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CITTA' METROPOLITANA DI GENOVA
COMUNE DI SANTA MARGHERITA LIGURE
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PROGETTO DEFINITIVO ESECUTIVO
NUOVA ELISUPERFICIE DA REALIZZARE ALLA RADICE DEL MOLO DI SOPRAFLUTTO PORTO DI SANTA MARGHERITA LIGURE.

IL RESPONSABILE DEL PROCEDIMENTO
Arch. Giuseppe Manca

IL TECNICO
Ing. Daniele Barbera

01_05 RELAZIONE_DI_CALCOLO_DELLE_STRUTTURE

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RELAZIONE DI CALCOLO STRUTTURALE

Premessa

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

Nella presente parte sono riportati i principali elementi di inquadramento del progetto esecutivo riguardante le strutture, in relazione agli strumenti urbanistici, al progetto architettonico, al progetto delle componenti tecnologiche in generale ed alle prestazioni attese dalla struttura.

Descrizione generale dell'opera

L'area individuata per la realizzazione dell'opera è ubicata presso la diga sopraflutto del Porto turistico di Santa Margherita Ligure, già interessata da un progetto di opere di ripristino e rinforzo in seguito ai danni causati dalla mareggiata del 29 Ottobre 2018.
La piastra è stata dimensionata in base ad un carico di riferimento pari a P=10000 kg, derivato dal peso massimo al decollo dell'elicottero più significativo attualmente impiegato. Negli elaborati di calcolo e verifica strutturale si terrà conto dello schema di carico verticale riportato nel manuale I.C.A-O. Doc. 9261 AN/903/2 delle elistazioni, che prevede i seguenti criteri:
- atterraggio dinamico coefficiente 1.5 P;
- Atterraggio di emergenza coefficiente 1,66 P;
- Carico totale verticale da assumere coefficiente 2,5 P;
- Sovraccarico di 400 kg/mq;

Descrizione generale dell'opera	
Fabbricato ad uso	ELISUPERFICIE
Ubicazione	Comune di SANTA MARGHERITA LIGURE (GE) (Regione LIGURIA)
	Località SANTA MARGHERITA LIGURE (GE)
	Longitudine 9.210, Latitudine 44.334

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
IV	100.0	2.0	200.0

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Fattore di struttura/comportamento
La costruzione, nuova, è caratterizzata da regolarità sia in pianta sia in altezza ed è progettata in classe di duttilità media (CD"B"). I valori dei fattori nelle direzioni x e y sono stati impostati manualmente dal progettista. **Fattori di comportamento utilizzati** Dissipativi q SLU x 1.000 q SLU y 1.000 q SLU z 1.500

Quadro normativo di riferimento adottato

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

Nel capitolo “normativa di riferimento” è comunque presente l’elenco completo delle normative disponibili.

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

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Azioni di progetto sulla costruzione

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

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:

$\mathbf{K} * \mathbf{u} = \mathbf{F}$ dove $\mathbf{K}$ = matrice di rigidezza
$\mathbf{u}$ = vettore spostamenti nodali
$\mathbf{F}$ = 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)

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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
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:

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2020-09-190)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	CS_ING_SRL
Codice Licenza:	Licenza dsi5422

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Modellazione della geometria e proprietà meccaniche:	
nodi	521
elementi D2 (per aste, travi, pilastri…)	0
elementi D3 (per pareti, platee, gusci…)	500
elementi solaio	0
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-1710.00
Xmax =	1890.00
Ymin =	-1890.00
Ymax =	1710.00
Zmin =	350.00
Zmax =	350.00
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

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Modellazione delle azioni

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

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 1
Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	SI
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI

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Principali risultati

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

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

deformate e sollecitazioni:

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

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

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

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

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

per il progetto-verifica degli elementi:

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

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

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.

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.

RELAZIONE SUI MATERIALI

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

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NORMATIVA DI RIFERIMENTO

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

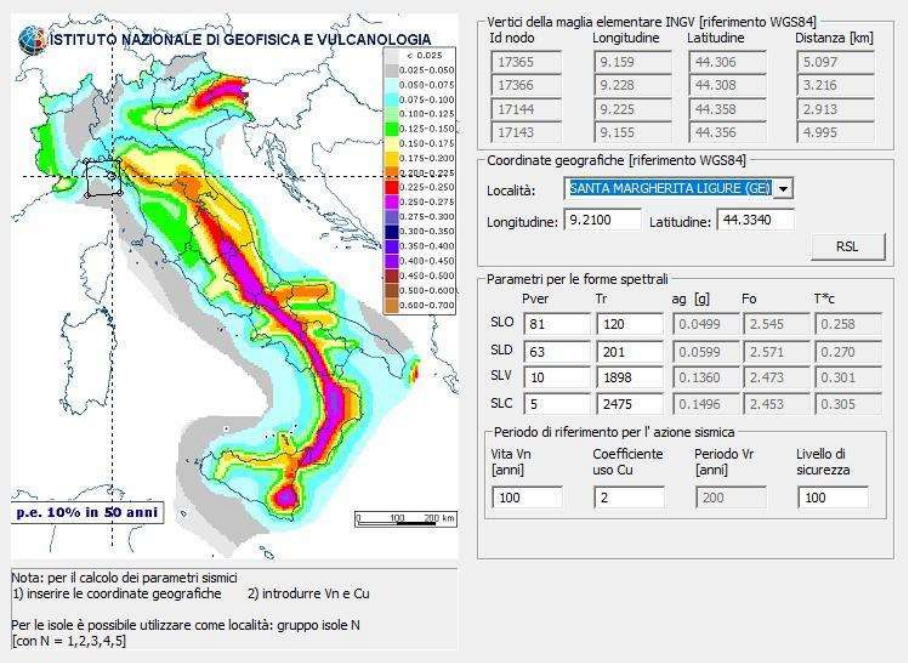
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23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: 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.

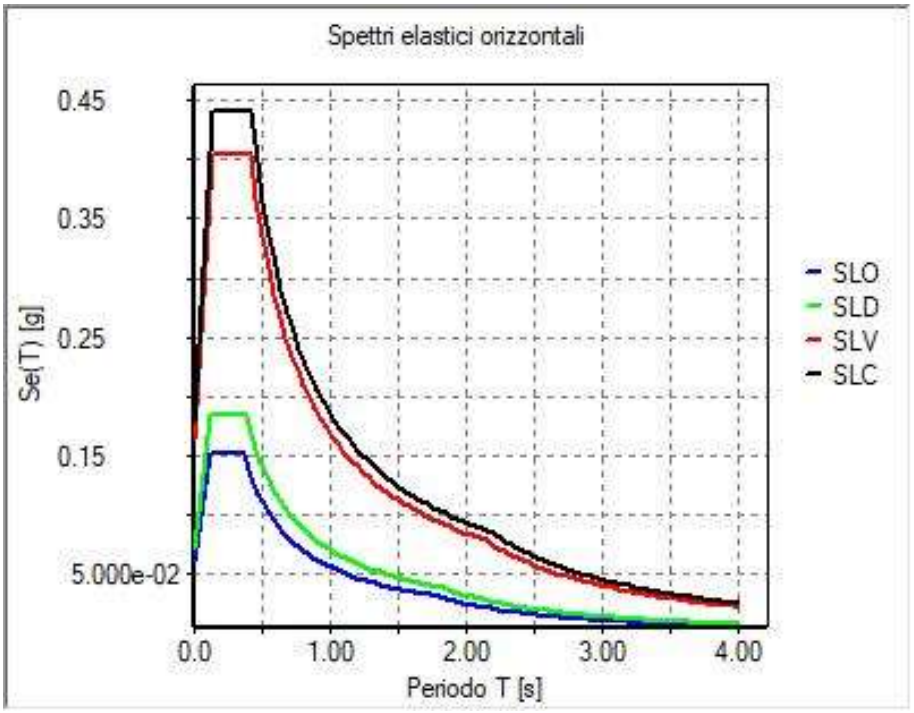
NOTA il capitolo "normativa di riferimento": riporta l' elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI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

- D.M. 26 ottobre 2007, n.238, Regolamento recante norme per la sicurezza antincendio negli eliporti ed elisuperfici
- D.M. 1 febbraio 2006 pubblicato sulla G.U. del 09.05.2006 ed in vigore dl 10.05.2006, contenente il regolamento di attuazione della legge Gex n° 518 del 02.04.68, che aggiorna il precedente D.M. 8 agosto 2003;
- D.M. 8 agosto 2003 pubblicato sulla G.U. DEL 23.12.2004 ed in vigore dal 20.06.2004, contenente il regolamento di attuazione della legge Gex n° 518 del 02.04.68
- D.M. 31 ottobre 1997 art.1 comma 3 e D.M. 10 marzo 1988;
- Enac: Norme operative per il servizio medico di emergenza con elicotteri;
- Atto di indirizzo 36T del 24.05.2002 del Ministro delle Infrastrutture e dei Trasporti (Relativa alle elisuperfici munite di segnaletica adibite a Trasporto Pubblico Passeggeri, elisoccorso, elisuperfici asservite a Comunità Isolate per le quali è richiesta l'applicazione della normativa ICAO, Annesso 14 – volume 2° - Eliporti);
- Atto di indirizzo 115T del 16.11.1999 del Ministro dei Trasporti e della Navigazione (equiparazione degli aeromobili adibiti al servizio pubblico di eliambulanza ai velivoli di stato;
- Circolare ENAC serie OPV n°18 a chiarimento del Regolamento HEMS di cui sopra
- Annesso 14 ICAO – Voll. I e II, Eliporti edizioni – III (luglio 1999) e II (luglio 1995)
- ICAO Doc. 9261 An/903: Eliport Manual
- FAA - Advisory Circular n° 91-32B del 6/2/97, n° 91/36C del 10/19/84

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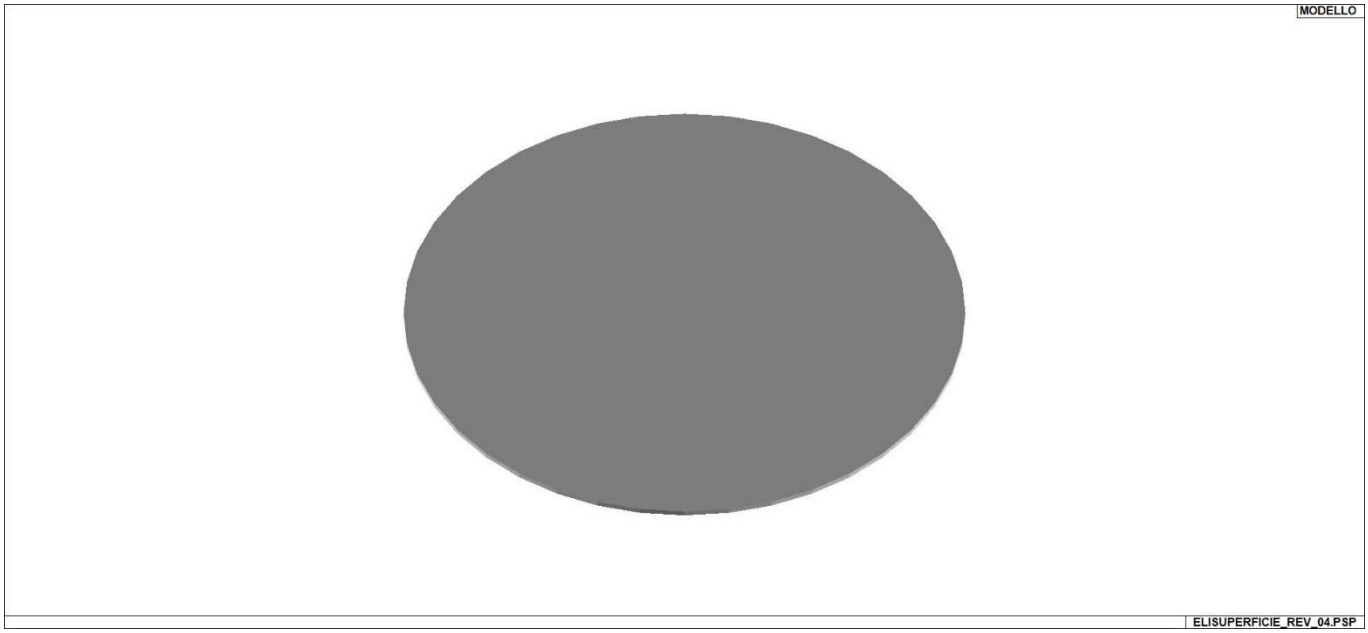


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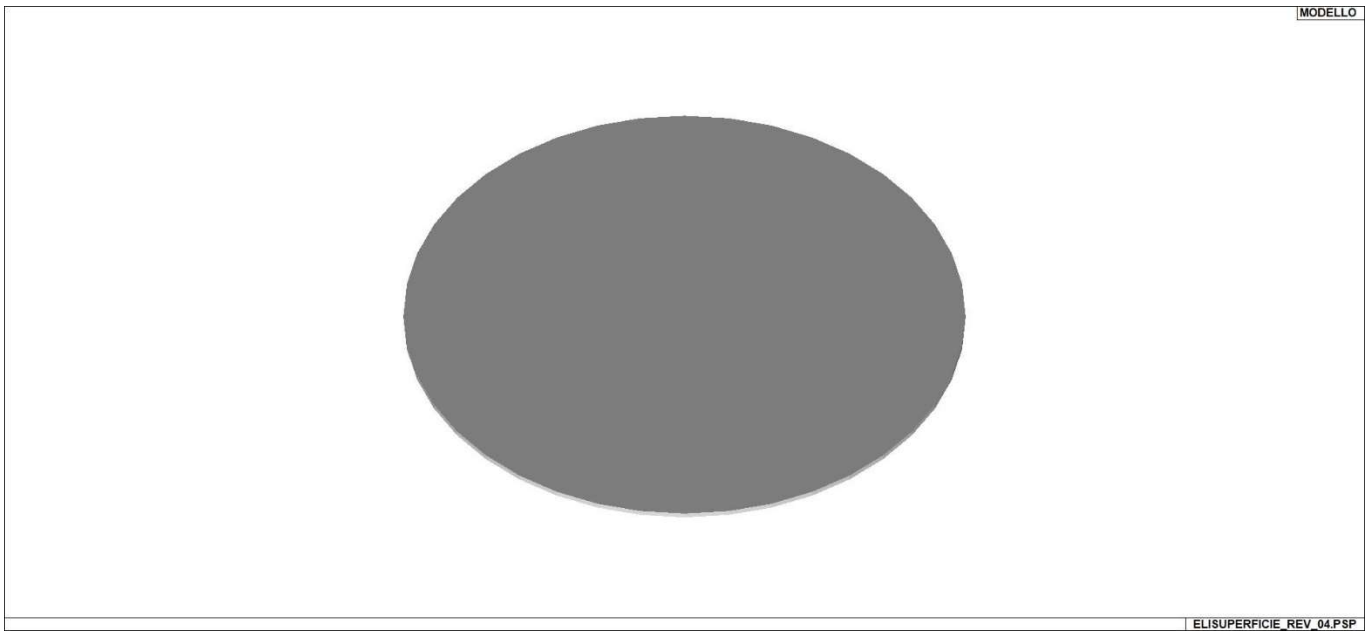


01_INT_SPETTRI_ELASTICI_O

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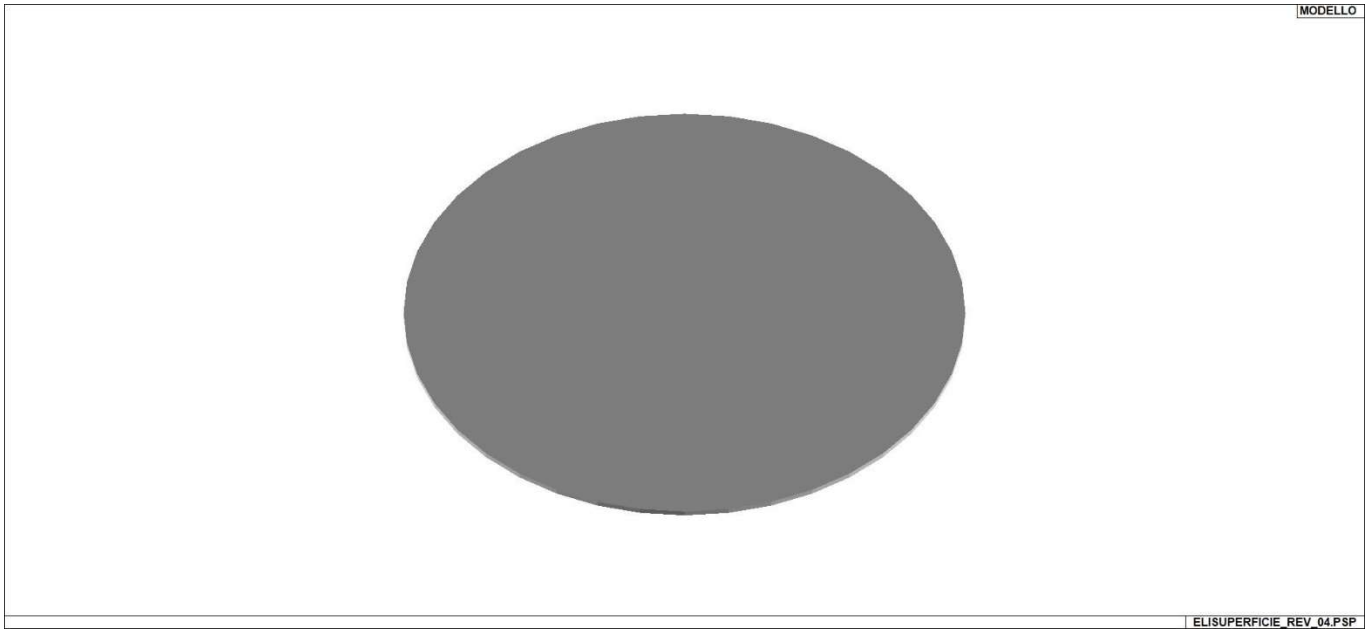


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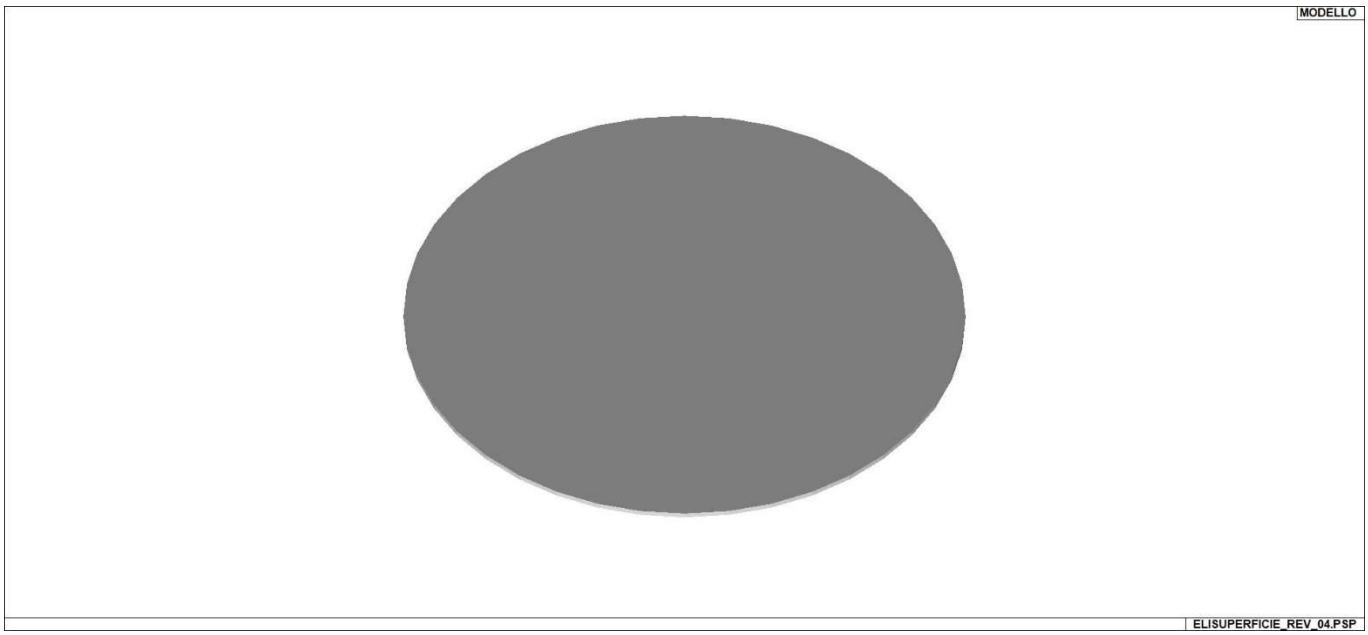


01_INT_VISTA_SOLIDA_002

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01_INT_VISTA_SOLIDA_003



01_INT_VISTA_SOLIDA_004

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CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

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

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

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

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

I dati 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:

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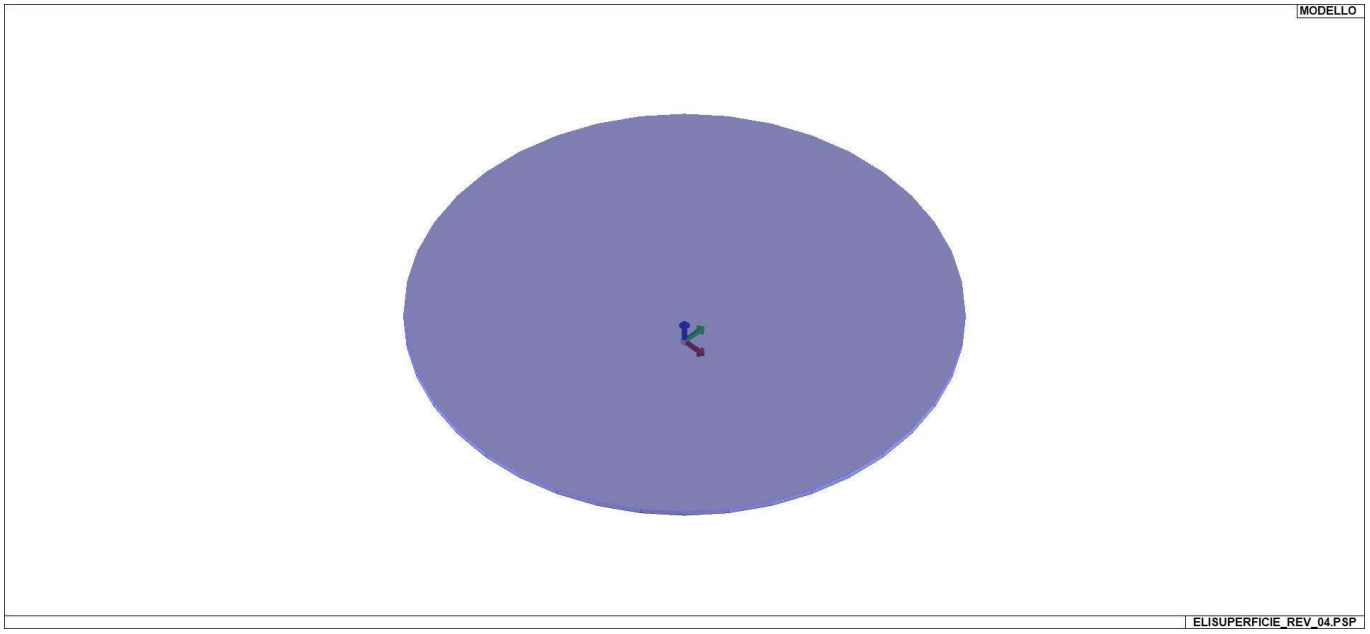
1	c.a.		
		Resistenza Rc	resistenza a cmpressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coeff. di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio		
		Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		
		Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
		Incremento resistenza	Incremento conseguito in termini di resistenza
		Incremento rigidezza	Incremento conseguito in termini di rigidezza
		Resistenza f	Valore della resistenza a compressione
		Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
		Resistenza fh	Valore della resistenza a compressione orizzontale
		Resistenza fb	Valore della resistenza a compressione dei blocchi
		Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
		Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
		Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
		Resistenza fvlim	Valore della massima resistenza a taglio
		Resistenza fbt	Valore della resistenza a trazione dei blocchi
		Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio (tipicamente 0.4)
		Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
		Coefficiente ksb	Coeff. 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)

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

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		N/mm2	N/mm2	N/mm2		N/mm2	N/mm3		
6	Calcestruzzo Classe C35/45			3.460e+04	0.20	1.442e+04	2.50e-05	1.00e-05	
	Resistenza Rc	45.0							
	Resistenza fctm		3.4						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05



11_MOD_MATERIALI_D3

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					

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Gusci c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Minima tesa	0.31					
Massima tesa	0.78					
Maglia unica centrale	NO					
Copriferro [cm]	5.00					
Maglia x						
diametro	16					
passo	10					
diametro aggiuntivi	12					
Maglia y						
diametro	16					
passo	10					
diametro aggiuntivi	12					
Stati limite ultimi						
Tensione fy [N/mm2]	450.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Applica SLU da DIN	SI					
Tensioni ammissibili						
Tensione amm. cls [N/mm2]	9.75					
Tensione amm. acciaio [N/mm2]	260.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Resistenza al fuoco						
3- intradosso	SI					
3+ estradosso	SI					
Tempo di esposizione R	120					

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MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

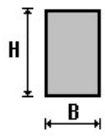
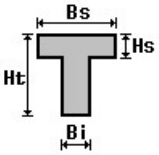
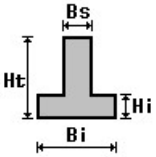
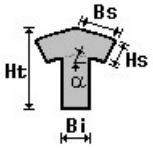
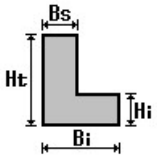
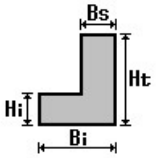
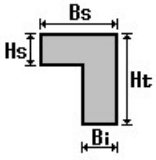
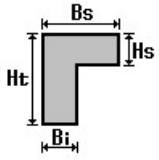
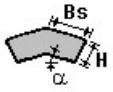
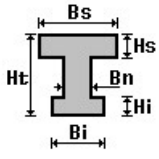
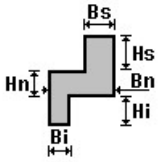
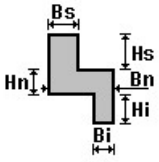
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

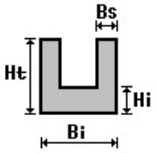
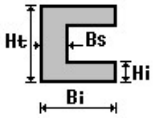
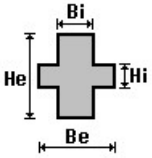
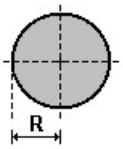
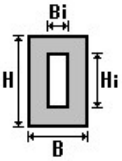
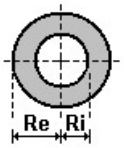
Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

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

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a U	a C	a croce	circolare	rettangolare cava	circolare cava

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

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

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3

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MODELLAZIONE STRUTTURA: NODI

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

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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	-360.0	-540.0	350.0	2	-270.0	-540.0	350.0	3	-270.0	-450.0	350.0
4	-360.0	-450.0	350.0	5	-270.0	-360.0	350.0	6	-360.0	-360.0	350.0
7	-270.0	-270.0	350.0	8	-360.0	-270.0	350.0	9	-270.0	-180.0	350.0
10	-360.0	-180.0	350.0	11	-270.0	-90.0	350.0	12	-360.0	-90.0	350.0
13	-270.0	0.0	350.0	14	-360.0	0.0	350.0	15	-270.0	90.0	350.0
16	-360.0	90.0	350.0	17	-270.0	180.0	350.0	18	-360.0	180.0	350.0
19	-270.0	270.0	350.0	20	-360.0	270.0	350.0	21	-270.0	360.0	350.0
22	-360.0	360.0	350.0	23	-180.0	-540.0	350.0	24	-180.0	-450.0	350.0
25	-180.0	-360.0	350.0	26	-180.0	-270.0	350.0	27	-180.0	-180.0	350.0
28	-180.0	-90.0	350.0	29	-180.0	0.0	350.0	30	-180.0	90.0	350.0
31	-180.0	180.0	350.0	32	-180.0	270.0	350.0	33	-180.0	360.0	350.0
34	-90.0	-540.0	350.0	35	-90.0	-450.0	350.0	36	-90.0	-360.0	350.0
37	-90.0	-270.0	350.0	38	-90.0	-180.0	350.0	39	-90.0	-90.0	350.0
40	-90.0	0.0	350.0	41	-90.0	90.0	350.0	42	-90.0	180.0	350.0
43	-90.0	270.0	350.0	44	-90.0	360.0	350.0	45	0.0	-540.0	350.0
46	0.0	-450.0	350.0	47	0.0	-360.0	350.0	48	0.0	-270.0	350.0
49	0.0	-180.0	350.0	50	0.0	-90.0	350.0	51	0.0	0.0	350.0
52	0.0	90.0	350.0	53	0.0	180.0	350.0	54	0.0	270.0	350.0
55	0.0	360.0	350.0	56	90.0	-540.0	350.0	57	90.0	-450.0	350.0
58	90.0	-360.0	350.0	59	90.0	-270.0	350.0	60	90.0	-180.0	350.0
61	90.0	-90.0	350.0	62	90.0	0.0	350.0	63	90.0	90.0	350.0
64	90.0	180.0	350.0	65	90.0	270.0	350.0	66	90.0	360.0	350.0
67	180.0	-540.0	350.0	68	180.0	-450.0	350.0	69	180.0	-360.0	350.0
70	180.0	-270.0	350.0	71	180.0	-180.0	350.0	72	180.0	-90.0	350.0
73	180.0	0.0	350.0	74	180.0	90.0	350.0	75	180.0	180.0	350.0
76	180.0	270.0	350.0	77	180.0	360.0	350.0	78	270.0	-540.0	350.0
79	270.0	-450.0	350.0	80	270.0	-360.0	350.0	81	270.0	-270.0	350.0
82	270.0	-180.0	350.0	83	270.0	-90.0	350.0	84	270.0	0.0	350.0
85	270.0	90.0	350.0	86	270.0	180.0	350.0	87	270.0	270.0	350.0
88	270.0	360.0	350.0	89	360.0	-540.0	350.0	90	360.0	-450.0	350.0
91	360.0	-360.0	350.0	92	360.0	-270.0	350.0	93	360.0	-180.0	350.0
94	360.0	-90.0	350.0	95	360.0	0.0	350.0	96	360.0	90.0	350.0
97	360.0	180.0	350.0	98	360.0	270.0	350.0	99	360.0	360.0	350.0
100	450.0	-540.0	350.0	101	450.0	-450.0	350.0	102	450.0	-360.0	350.0
103	450.0	-270.0	350.0	104	450.0	-180.0	350.0	105	450.0	-90.0	350.0
106	450.0	0.0	350.0	107	450.0	90.0	350.0	108	450.0	180.0	350.0

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109	450.0	270.0	350.0	110	450.0	360.0	350.0	111	540.0	-540.0	350.0
112	540.0	-450.0	350.0	113	540.0	-360.0	350.0	114	540.0	-270.0	350.0
115	540.0	-180.0	350.0	116	540.0	-90.0	350.0	117	540.0	0.0	350.0
118	540.0	90.0	350.0	119	540.0	180.0	350.0	120	540.0	270.0	350.0
121	540.0	360.0	350.0	122	675.0	-90.0	350.0	123	672.8	19.2	350.0
124	810.0	-90.0	350.0	125	805.6	38.3	350.0	126	945.0	-90.0	350.0
127	938.4	57.5	350.0	128	1080.0	-90.0	350.0	129	1071.1	76.6	350.0
130	1215.0	-90.0	350.0	131	1203.9	95.8	350.0	132	1350.0	-90.0	350.0
133	1336.7	114.9	350.0	134	1485.0	-90.0	350.0	135	1469.5	134.1	350.0
136	1620.0	-90.0	350.0	137	1602.3	153.3	350.0	138	1755.0	-90.0	350.0
139	1735.1	172.4	350.0	140	1890.0	-90.0	350.0	141	1867.8	191.6	350.0
142	666.2	127.6	350.0	143	792.4	165.2	350.0	144	918.6	202.9	350.0
145	1044.8	240.5	350.0	146	1171.0	278.1	350.0	147	1297.1	315.7	350.0
148	1423.3	353.4	350.0	149	1549.5	391.0	350.0	150	1675.7	428.6	350.0
151	1801.9	466.2	350.0	152	655.4	234.7	350.0	153	770.8	289.4	350.0
154	886.1	344.2	350.0	155	1001.5	398.9	350.0	156	1116.9	453.6	350.0
157	1232.3	508.3	350.0	158	1347.7	563.0	350.0	159	1463.0	617.7	350.0
160	1578.4	672.5	350.0	161	1693.8	727.2	350.0	162	640.6	339.8	350.0
163	741.2	409.6	350.0	164	841.9	479.4	350.0	165	942.5	549.2	350.0
166	1043.1	619.0	350.0	167	1143.7	688.8	350.0	168	1244.4	758.6	350.0
169	1345.0	828.4	350.0	170	1445.6	898.2	350.0	171	1546.2	968.0	350.0
172	622.3	442.3	350.0	173	704.6	524.6	350.0	174	786.8	606.8	350.0
175	869.1	689.1	350.0	176	951.4	771.4	350.0	177	1033.7	853.7	350.0
178	1116.0	936.0	350.0	179	1198.2	1018.2	350.0	180	1280.5	1100.5	350.0
181	1362.8	1182.8	350.0	182	519.8	460.6	350.0	183	589.6	561.2	350.0
184	659.4	661.9	350.0	185	729.2	762.5	350.0	186	799.0	863.1	350.0
187	868.8	963.7	350.0	188	938.6	1064.4	350.0	189	1008.4	1165.0	350.0
190	1078.2	1265.6	350.0	191	1148.0	1366.2	350.0	192	414.7	475.4	350.0
193	469.4	590.8	350.0	194	524.2	706.1	350.0	195	578.9	821.5	350.0
196	633.6	936.9	350.0	197	688.3	1052.3	350.0	198	743.0	1167.7	350.0
199	797.7	1283.0	350.0	200	852.5	1398.4	350.0	201	907.2	1513.8	350.0
202	307.6	486.2	350.0	203	345.2	612.4	350.0	204	382.9	738.6	350.0
205	420.5	864.8	350.0	206	458.1	991.0	350.0	207	495.7	1117.1	350.0
208	533.4	1243.3	350.0	209	571.0	1369.5	350.0	210	608.6	1495.7	350.0
211	646.2	1621.9	350.0	212	199.2	492.8	350.0	213	218.3	625.6	350.0
214	237.5	758.4	350.0	215	256.6	891.1	350.0	216	275.8	1023.9	350.0
217	294.9	1156.7	350.0	218	314.1	1289.5	350.0	219	333.3	1422.3	350.0
220	352.4	1555.1	350.0	221	371.6	1687.8	350.0	222	90.0	495.0	350.0
223	90.0	630.0	350.0	224	90.0	765.0	350.0	225	90.0	900.0	350.0
226	90.0	1035.0	350.0	227	90.0	1170.0	350.0	228	90.0	1305.0	350.0

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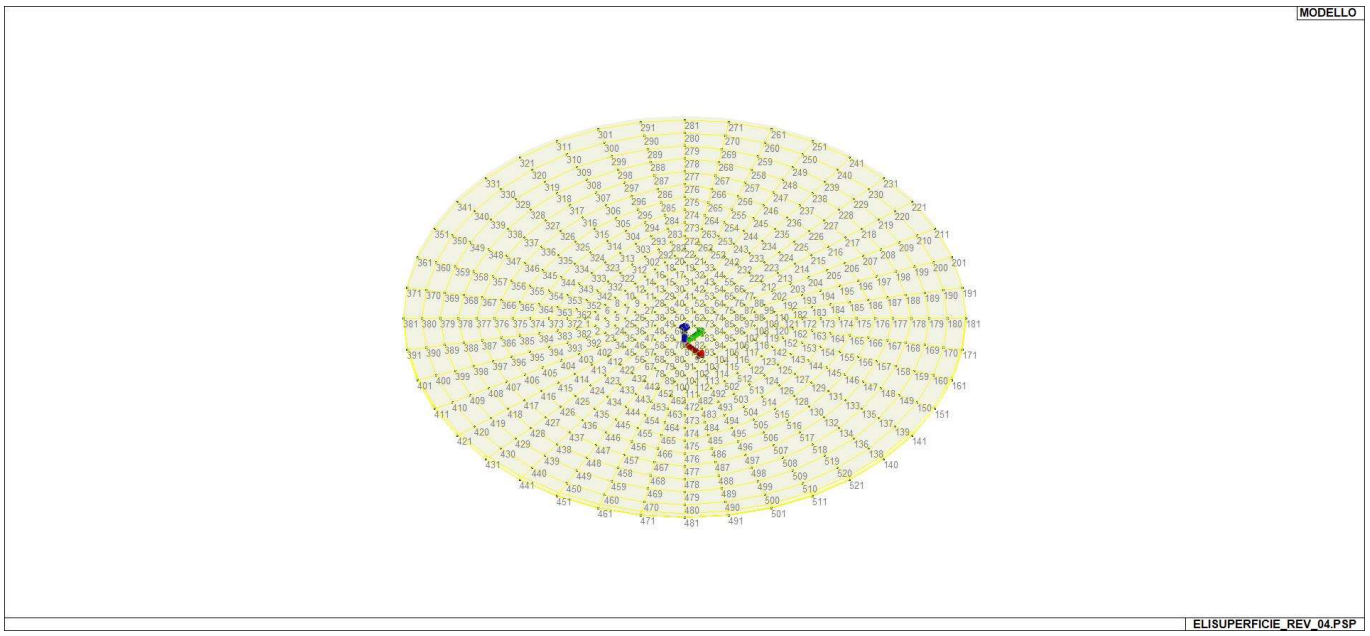
229	90.0	1440.0	350.0	230	90.0	1575.0	350.0	231	90.0	1710.0	350.0
232	-19.2	492.8	350.0	233	-38.3	625.6	350.0	234	-57.5	758.4	350.0
235	-76.6	891.1	350.0	236	-95.8	1023.9	350.0	237	-114.9	1156.7	350.0
238	-134.1	1289.5	350.0	239	-153.3	1422.3	350.0	240	-172.4	1555.1	350.0
241	-191.6	1687.8	350.0	242	-127.6	486.2	350.0	243	-165.2	612.4	350.0
244	-202.9	738.6	350.0	245	-240.5	864.8	350.0	246	-278.1	991.0	350.0
247	-315.7	1117.1	350.0	248	-353.4	1243.3	350.0	249	-391.0	1369.5	350.0
250	-428.6	1495.7	350.0	251	-466.2	1621.9	350.0	252	-234.7	475.4	350.0
253	-289.4	590.8	350.0	254	-344.2	706.1	350.0	255	-398.9	821.5	350.0
256	-453.6	936.9	350.0	257	-508.3	1052.3	350.0	258	-563.0	1167.7	350.0
259	-617.7	1283.0	350.0	260	-672.5	1398.4	350.0	261	-727.2	1513.8	350.0
262	-339.8	460.6	350.0	263	-409.6	561.2	350.0	264	-479.4	661.9	350.0
265	-549.2	762.5	350.0	266	-619.0	863.1	350.0	267	-688.8	963.7	350.0
268	-758.6	1064.4	350.0	269	-828.4	1165.0	350.0	270	-898.2	1265.6	350.0
271	-968.0	1366.2	350.0	272	-442.3	442.3	350.0	273	-524.6	524.6	350.0
274	-606.8	606.8	350.0	275	-689.1	689.1	350.0	276	-771.4	771.4	350.0
277	-853.7	853.7	350.0	278	-936.0	936.0	350.0	279	-1018.2	1018.2	350.0
280	-1100.5	1100.5	350.0	281	-1182.8	1182.8	350.0	282	-460.6	339.8	350.0
283	-561.2	409.6	350.0	284	-661.9	479.4	350.0	285	-762.5	549.2	350.0
286	-863.1	619.0	350.0	287	-963.7	688.8	350.0	288	-1064.4	758.6	350.0
289	-1165.0	828.4	350.0	290	-1265.6	898.2	350.0	291	-1366.2	968.0	350.0
292	-475.4	234.7	350.0	293	-590.8	289.4	350.0	294	-706.1	344.2	350.0
295	-821.5	398.9	350.0	296	-936.9	453.6	350.0	297	-1052.3	508.3	350.0
298	-1167.7	563.0	350.0	299	-1283.0	617.7	350.0	300	-1398.4	672.5	350.0
301	-1513.8	727.2	350.0	302	-486.2	127.6	350.0	303	-612.4	165.2	350.0
304	-738.6	202.9	350.0	305	-864.8	240.5	350.0	306	-991.0	278.1	350.0
307	-1117.1	315.7	350.0	308	-1243.3	353.4	350.0	309	-1369.5	391.0	350.0
310	-1495.7	428.6	350.0	311	-1621.9	466.2	350.0	312	-492.8	19.2	350.0
313	-625.6	38.3	350.0	314	-758.4	57.5	350.0	315	-891.1	76.6	350.0
316	-1023.9	95.8	350.0	317	-1156.7	114.9	350.0	318	-1289.5	134.1	350.0
319	-1422.3	153.3	350.0	320	-1555.1	172.4	350.0	321	-1687.8	191.6	350.0
322	-495.0	-90.0	350.0	323	-630.0	-90.0	350.0	324	-765.0	-90.0	350.0
325	-900.0	-90.0	350.0	326	-1035.0	-90.0	350.0	327	-1170.0	-90.0	350.0
328	-1305.0	-90.0	350.0	329	-1440.0	-90.0	350.0	330	-1575.0	-90.0	350.0
331	-1710.0	-90.0	350.0	332	-492.8	-199.2	350.0	333	-625.6	-218.3	350.0
334	-758.4	-237.5	350.0	335	-891.1	-256.6	350.0	336	-1023.9	-275.8	350.0
337	-1156.7	-294.9	350.0	338	-1289.5	-314.1	350.0	339	-1422.3	-333.3	350.0
340	-1555.1	-352.4	350.0	341	-1687.8	-371.6	350.0	342	-486.2	-307.6	350.0
343	-612.4	-345.2	350.0	344	-738.6	-382.9	350.0	345	-864.8	-420.5	350.0
346	-991.0	-458.1	350.0	347	-1117.1	-495.7	350.0	348	-1243.3	-533.4	350.0

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349	-1369.5	-571.0	350.0	350	-1495.7	-608.6	350.0	351	-1621.9	-646.2	350.0
352	-475.4	-414.7	350.0	353	-590.8	-469.4	350.0	354	-706.1	-524.2	350.0
355	-821.5	-578.9	350.0	356	-936.9	-633.6	350.0	357	-1052.3	-688.3	350.0
358	-1167.7	-743.0	350.0	359	-1283.0	-797.7	350.0	360	-1398.4	-852.5	350.0
361	-1513.8	-907.2	350.0	362	-460.6	-519.8	350.0	363	-561.2	-589.6	350.0
364	-661.9	-659.4	350.0	365	-762.5	-729.2	350.0	366	-863.1	-799.0	350.0
367	-963.7	-868.8	350.0	368	-1064.4	-938.6	350.0	369	-1165.0	-1008.4	350.0
370	-1265.6	-1078.2	350.0	371	-1366.2	-1148.0	350.0	372	-442.3	-622.3	350.0
373	-524.6	-704.6	350.0	374	-606.8	-786.8	350.0	375	-689.1	-869.1	350.0
376	-771.4	-951.4	350.0	377	-853.7	-1033.7	350.0	378	-936.0	-1116.0	350.0
379	-1018.2	-1198.2	350.0	380	-1100.5	-1280.5	350.0	381	-1182.8	-1362.8	350.0
382	-339.8	-640.6	350.0	383	-409.6	-741.2	350.0	384	-479.4	-841.9	350.0
385	-549.2	-942.5	350.0	386	-619.0	-1043.1	350.0	387	-688.8	-1143.7	350.0
388	-758.6	-1244.4	350.0	389	-828.4	-1345.0	350.0	390	-898.2	-1445.6	350.0
391	-968.0	-1546.2	350.0	392	-234.7	-655.4	350.0	393	-289.4	-770.8	350.0
394	-344.2	-886.1	350.0	395	-398.9	-1001.5	350.0	396	-453.6	-1116.9	350.0
397	-508.3	-1232.3	350.0	398	-563.0	-1347.7	350.0	399	-617.7	-1463.0	350.0
400	-672.5	-1578.4	350.0	401	-727.2	-1693.8	350.0	402	-127.6	-666.2	350.0
403	-165.2	-792.4	350.0	404	-202.9	-918.6	350.0	405	-240.5	-1044.8	350.0
406	-278.1	-1171.0	350.0	407	-315.7	-1297.1	350.0	408	-353.4	-1423.3	350.0
409	-391.0	-1549.5	350.0	410	-428.6	-1675.7	350.0	411	-466.2	-1801.9	350.0
412	-19.2	-672.8	350.0	413	-38.3	-805.6	350.0	414	-57.5	-938.4	350.0
415	-76.6	-1071.1	350.0	416	-95.8	-1203.9	350.0	417	-114.9	-1336.7	350.0
418	-134.1	-1469.5	350.0	419	-153.3	-1602.3	350.0	420	-172.4	-1735.1	350.0
421	-191.6	-1867.8	350.0	422	90.0	-675.0	350.0	423	90.0	-810.0	350.0
424	90.0	-945.0	350.0	425	90.0	-1080.0	350.0	426	90.0	-1215.0	350.0
427	90.0	-1350.0	350.0	428	90.0	-1485.0	350.0	429	90.0	-1620.0	350.0
430	90.0	-1755.0	350.0	431	90.0	-1890.0	350.0	432	199.2	-672.8	350.0
433	218.3	-805.6	350.0	434	237.5	-938.4	350.0	435	256.6	-1071.1	350.0
436	275.8	-1203.9	350.0	437	294.9	-1336.7	350.0	438	314.1	-1469.5	350.0
439	333.3	-1602.3	350.0	440	352.4	-1735.1	350.0	441	371.6	-1867.8	350.0
442	307.6	-666.2	350.0	443	345.2	-792.4	350.0	444	382.9	-918.6	350.0
445	420.5	-1044.8	350.0	446	458.1	-1171.0	350.0	447	495.7	-1297.1	350.0
448	533.4	-1423.3	350.0	449	571.0	-1549.5	350.0	450	608.6	-1675.7	350.0
451	646.2	-1801.9	350.0	452	414.7	-655.4	350.0	453	469.4	-770.8	350.0
454	524.2	-886.1	350.0	455	578.9	-1001.5	350.0	456	633.6	-1116.9	350.0
457	688.3	-1232.3	350.0	458	743.0	-1347.7	350.0	459	797.7	-1463.0	350.0
460	852.5	-1578.4	350.0	461	907.2	-1693.8	350.0	462	519.8	-640.6	350.0
463	589.6	-741.2	350.0	464	659.4	-841.9	350.0	465	729.2	-942.5	350.0
466	799.0	-1043.1	350.0	467	868.8	-1143.7	350.0	468	938.6	-1244.4	350.0

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469	1008.4	-1345.0	350.0	470	1078.2	-1445.6	350.0	471	1148.0	-1546.2	350.0
472	622.3	-622.3	350.0	473	704.6	-704.6	350.0	474	786.8	-786.8	350.0
475	869.1	-869.1	350.0	476	951.4	-951.4	350.0	477	1033.7	-1033.7	350.0
478	1116.0	-1116.0	350.0	479	1198.2	-1198.2	350.0	480	1280.5	-1280.5	350.0
481	1362.8	-1362.8	350.0	482	640.6	-519.8	350.0	483	741.2	-589.6	350.0
484	841.9	-659.4	350.0	485	942.5	-729.2	350.0	486	1043.1	-799.0	350.0
487	1143.7	-868.8	350.0	488	1244.4	-938.6	350.0	489	1345.0	-1008.4	350.0
490	1445.6	-1078.2	350.0	491	1546.2	-1148.0	350.0	492	655.4	-414.7	350.0
493	770.8	-469.4	350.0	494	886.1	-524.2	350.0	495	1001.5	-578.9	350.0
496	1116.9	-633.6	350.0	497	1232.3	-688.3	350.0	498	1347.7	-743.0	350.0
499	1463.0	-797.7	350.0	500	1578.4	-852.5	350.0	501	1693.8	-907.2	350.0
502	666.2	-307.6	350.0	503	792.4	-345.2	350.0	504	918.6	-382.9	350.0
505	1044.8	-420.5	350.0	506	1171.0	-458.1	350.0	507	1297.1	-495.7	350.0
508	1423.3	-533.4	350.0	509	1549.5	-571.0	350.0	510	1675.7	-608.6	350.0
511	1801.9	-646.2	350.0	512	672.8	-199.2	350.0	513	805.6	-218.3	350.0
514	938.4	-237.5	350.0	515	1071.1	-256.6	350.0	516	1203.9	-275.8	350.0
517	1336.7	-294.9	350.0	518	1469.5	-314.1	350.0	519	1602.3	-333.3	350.0
520	1735.1	-352.4	350.0	521	1867.8	-371.6	350.0				



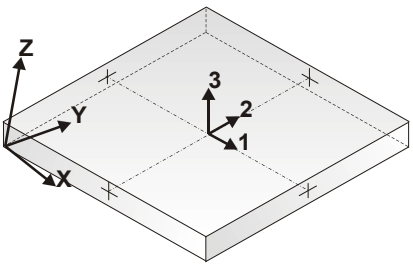
14_MOD_NUMERAZIONE_NODI

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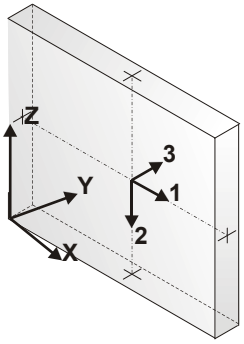
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

LEGENDA TABELLA DATI SHELL

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



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

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

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Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
								cm		daN/cm3	daN/cm3
1	Guscio fond.	1	2	3	4	6	2	35.0		0.50	0.25
2	Guscio fond.	4	3	5	6	6	2	35.0		0.50	0.25
3	Guscio fond.	6	5	7	8	6	2	35.0		0.50	0.25
4	Guscio fond.	8	7	9	10	6	2	35.0		0.50	0.25
5	Guscio fond.	10	9	11	12	6	2	35.0		0.50	0.25
6	Guscio fond.	12	11	13	14	6	2	35.0		0.50	0.25
7	Guscio fond.	14	13	15	16	6	2	35.0		0.50	0.25
8	Guscio fond.	16	15	17	18	6	2	35.0		0.50	0.25
9	Guscio fond.	18	17	19	20	6	2	35.0		0.50	0.25
10	Guscio fond.	20	19	21	22	6	2	35.0		0.50	0.25
11	Guscio fond.	2	23	24	3	6	2	35.0		0.50	0.25
12	Guscio fond.	3	24	25	5	6	2	35.0		0.50	0.25
13	Guscio fond.	5	25	26	7	6	2	35.0		0.50	0.25
14	Guscio fond.	7	26	27	9	6	2	35.0		0.50	0.25
15	Guscio fond.	9	27	28	11	6	2	35.0		0.50	0.25
16	Guscio fond.	11	28	29	13	6	2	35.0		0.50	0.25
17	Guscio fond.	13	29	30	15	6	2	35.0		0.50	0.25
18	Guscio fond.	15	30	31	17	6	2	35.0		0.50	0.25
19	Guscio fond.	17	31	32	19	6	2	35.0		0.50	0.25
20	Guscio fond.	19	32	33	21	6	2	35.0		0.50	0.25
21	Guscio fond.	23	34	35	24	6	2	35.0		0.50	0.25
22	Guscio fond.	24	35	36	25	6	2	35.0		0.50	0.25
23	Guscio fond.	25	36	37	26	6	2	35.0		0.50	0.25
24	Guscio fond.	26	37	38	27	6	2	35.0		0.50	0.25
25	Guscio fond.	27	38	39	28	6	2	35.0		0.50	0.25
26	Guscio fond.	28	39	40	29	6	2	35.0		0.50	0.25
27	Guscio fond.	29	40	41	30	6	2	35.0		0.50	0.25
28	Guscio fond.	30	41	42	31	6	2	35.0		0.50	0.25
29	Guscio fond.	31	42	43	32	6	2	35.0		0.50	0.25
30	Guscio fond.	32	43	44	33	6	2	35.0		0.50	0.25
31	Guscio fond.	34	45	46	35	6	2	35.0		0.50	0.25
32	Guscio fond.	35	46	47	36	6	2	35.0		0.50	0.25
33	Guscio fond.	36	47	48	37	6	2	35.0		0.50	0.25
34	Guscio fond.	37	48	49	38	6	2	35.0		0.50	0.25
35	Guscio fond.	38	49	50	39	6	2	35.0		0.50	0.25
36	Guscio fond.	39	50	51	40	6	2	35.0		0.50	0.25
37	Guscio fond.	40	51	52	41	6	2	35.0		0.50	0.25
38	Guscio fond.	41	52	53	42	6	2	35.0		0.50	0.25
39	Guscio fond.	42	53	54	43	6	2	35.0		0.50	0.25
40	Guscio fond.	43	54	55	44	6	2	35.0		0.50	0.25
41	Guscio fond.	45	56	57	46	6	2	35.0		0.50	0.25
42	Guscio fond.	46	57	58	47	6	2	35.0		0.50	0.25

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43Guscio fond.	47	58	59	48	6	2	35.0	0.50	0.25
44Guscio fond.	48	59	60	49	6	2	35.0	0.50	0.25
45Guscio fond.	49	60	61	50	6	2	35.0	0.50	0.25
46Guscio fond.	50	61	62	51	6	2	35.0	0.50	0.25
47Guscio fond.	51	62	63	52	6	2	35.0	0.50	0.25
48Guscio fond.	52	63	64	53	6	2	35.0	0.50	0.25
49Guscio fond.	53	64	65	54	6	2	35.0	0.50	0.25
50Guscio fond.	54	65	66	55	6	2	35.0	0.50	0.25
51Guscio fond.	56	67	68	57	6	2	35.0	0.50	0.25
52Guscio fond.	57	68	69	58	6	2	35.0	0.50	0.25
53Guscio fond.	58	69	70	59	6	2	35.0	0.50	0.25
54Guscio fond.	59	70	71	60	6	2	35.0	0.50	0.25
55Guscio fond.	60	71	72	61	6	2	35.0	0.50	0.25
56Guscio fond.	61	72	73	62	6	2	35.0	0.50	0.25
57Guscio fond.	62	73	74	63	6	2	35.0	0.50	0.25
58Guscio fond.	63	74	75	64	6	2	35.0	0.50	0.25
59Guscio fond.	64	75	76	65	6	2	35.0	0.50	0.25
60Guscio fond.	65	76	77	66	6	2	35.0	0.50	0.25
61Guscio fond.	67	78	79	68	6	2	35.0	0.50	0.25
62Guscio fond.	68	79	80	69	6	2	35.0	0.50	0.25
63Guscio fond.	69	80	81	70	6	2	35.0	0.50	0.25
64Guscio fond.	70	81	82	71	6	2	35.0	0.50	0.25
65Guscio fond.	71	82	83	72	6	2	35.0	0.50	0.25
66Guscio fond.	72	83	84	73	6	2	35.0	0.50	0.25
67Guscio fond.	73	84	85	74	6	2	35.0	0.50	0.25
68Guscio fond.	74	85	86	75	6	2	35.0	0.50	0.25
69Guscio fond.	75	86	87	76	6	2	35.0	0.50	0.25
70Guscio fond.	76	87	88	77	6	2	35.0	0.50	0.25
71Guscio fond.	78	89	90	79	6	2	35.0	0.50	0.25
72Guscio fond.	79	90	91	80	6	2	35.0	0.50	0.25
73Guscio fond.	80	91	92	81	6	2	35.0	0.50	0.25
74Guscio fond.	81	92	93	82	6	2	35.0	0.50	0.25
75Guscio fond.	82	93	94	83	6	2	35.0	0.50	0.25
76Guscio fond.	83	94	95	84	6	2	35.0	0.50	0.25
77Guscio fond.	84	95	96	85	6	2	35.0	0.50	0.25
78Guscio fond.	85	96	97	86	6	2	35.0	0.50	0.25
79Guscio fond.	86	97	98	87	6	2	35.0	0.50	0.25
80Guscio fond.	87	98	99	88	6	2	35.0	0.50	0.25
81Guscio fond.	89	100	101	90	6	2	35.0	0.50	0.25
82Guscio fond.	90	101	102	91	6	2	35.0	0.50	0.25
83Guscio fond.	91	102	103	92	6	2	35.0	0.50	0.25
84Guscio fond.	92	103	104	93	6	2	35.0	0.50	0.25
85Guscio fond.	93	104	105	94	6	2	35.0	0.50	0.25
86Guscio fond.	94	105	106	95	6	2	35.0	0.50	0.25

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87Guscio fond.	95	106	107	96	6	2	35.0	0.50	0.25
88Guscio fond.	96	107	108	97	6	2	35.0	0.50	0.25
89Guscio fond.	97	108	109	98	6	2	35.0	0.50	0.25
90Guscio fond.	98	109	110	99	6	2	35.0	0.50	0.25
91Guscio fond.	100	111	112	101	6	2	35.0	0.50	0.25
92Guscio fond.	101	112	113	102	6	2	35.0	0.50	0.25
93Guscio fond.	102	113	114	103	6	2	35.0	0.50	0.25
94Guscio fond.	103	114	115	104	6	2	35.0	0.50	0.25
95Guscio fond.	104	115	116	105	6	2	35.0	0.50	0.25
96Guscio fond.	105	116	117	106	6	2	35.0	0.50	0.25
97Guscio fond.	106	117	118	107	6	2	35.0	0.50	0.25
98Guscio fond.	107	118	119	108	6	2	35.0	0.50	0.25
99Guscio fond.	108	119	120	109	6	2	35.0	0.50	0.25
100Guscio fond.	109	120	121	110	6	2	35.0	0.50	0.25
101Guscio fond.	116	122	123	117	6	2	35.0	0.50	0.25
102Guscio fond.	122	124	125	123	6	2	35.0	0.50	0.25
103Guscio fond.	124	126	127	125	6	2	35.0	0.50	0.25
104Guscio fond.	126	128	129	127	6	2	35.0	0.50	0.25
105Guscio fond.	128	130	131	129	6	2	35.0	0.50	0.25
106Guscio fond.	130	132	133	131	6	2	35.0	0.50	0.25
107Guscio fond.	132	134	135	133	6	2	35.0	0.50	0.25
108Guscio fond.	134	136	137	135	6	2	35.0	0.50	0.25
109Guscio fond.	136	138	139	137	6	2	35.0	0.50	0.25
110Guscio fond.	138	140	141	139	6	2	35.0	0.50	0.25
111Guscio fond.	117	123	142	118	6	2	35.0	0.50	0.25
112Guscio fond.	123	125	143	142	6	2	35.0	0.50	0.25
113Guscio fond.	125	127	144	143	6	2	35.0	0.50	0.25
114Guscio fond.	127	129	145	144	6	2	35.0	0.50	0.25
115Guscio fond.	129	131	146	145	6	2	35.0	0.50	0.25
116Guscio fond.	131	133	147	146	6	2	35.0	0.50	0.25
117Guscio fond.	133	135	148	147	6	2	35.0	0.50	0.25
118Guscio fond.	135	137	149	148	6	2	35.0	0.50	0.25
119Guscio fond.	137	139	150	149	6	2	35.0	0.50	0.25
120Guscio fond.	139	141	151	150	6	2	35.0	0.50	0.25
121Guscio fond.	118	142	152	119	6	2	35.0	0.50	0.25
122Guscio fond.	142	143	153	152	6	2	35.0	0.50	0.25
123Guscio fond.	143	144	154	153	6	2	35.0	0.50	0.25
124Guscio fond.	144	145	155	154	6	2	35.0	0.50	0.25
125Guscio fond.	145	146	156	155	6	2	35.0	0.50	0.25
126Guscio fond.	146	147	157	156	6	2	35.0	0.50	0.25
127Guscio fond.	147	148	158	157	6	2	35.0	0.50	0.25
128Guscio fond.	148	149	159	158	6	2	35.0	0.50	0.25
129Guscio fond.	149	150	160	159	6	2	35.0	0.50	0.25
130Guscio fond.	150	151	161	160	6	2	35.0	0.50	0.25

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131Guscio fond.	119	152	162	120	6	2	35.0	0.50	0.25
132Guscio fond.	152	153	163	162	6	2	35.0	0.50	0.25
133Guscio fond.	153	154	164	163	6	2	35.0	0.50	0.25
134Guscio fond.	154	155	165	164	6	2	35.0	0.50	0.25
135Guscio fond.	155	156	166	165	6	2	35.0	0.50	0.25
136Guscio fond.	156	157	167	166	6	2	35.0	0.50	0.25
137Guscio fond.	157	158	168	167	6	2	35.0	0.50	0.25
138Guscio fond.	158	159	169	168	6	2	35.0	0.50	0.25
139Guscio fond.	159	160	170	169	6	2	35.0	0.50	0.25
140Guscio fond.	160	161	171	170	6	2	35.0	0.50	0.25
141Guscio fond.	120	162	172	121	6	2	35.0	0.50	0.25
142Guscio fond.	162	163	173	172	6	2	35.0	0.50	0.25
143Guscio fond.	163	164	174	173	6	2	35.0	0.50	0.25
144Guscio fond.	164	165	175	174	6	2	35.0	0.50	0.25
145Guscio fond.	165	166	176	175	6	2	35.0	0.50	0.25
146Guscio fond.	166	167	177	176	6	2	35.0	0.50	0.25
147Guscio fond.	167	168	178	177	6	2	35.0	0.50	0.25
148Guscio fond.	168	169	179	178	6	2	35.0	0.50	0.25
149Guscio fond.	169	170	180	179	6	2	35.0	0.50	0.25
150Guscio fond.	170	171	181	180	6	2	35.0	0.50	0.25
151Guscio fond.	110	121	172	182	6	2	35.0	0.50	0.25
152Guscio fond.	182	172	173	183	6	2	35.0	0.50	0.25
153Guscio fond.	183	173	174	184	6	2	35.0	0.50	0.25
154Guscio fond.	184	174	175	185	6	2	35.0	0.50	0.25
155Guscio fond.	185	175	176	186	6	2	35.0	0.50	0.25
156Guscio fond.	186	176	177	187	6	2	35.0	0.50	0.25
157Guscio fond.	187	177	178	188	6	2	35.0	0.50	0.25
158Guscio fond.	188	178	179	189	6	2	35.0	0.50	0.25
159Guscio fond.	189	179	180	190	6	2	35.0	0.50	0.25
160Guscio fond.	190	180	181	191	6	2	35.0	0.50	0.25
161Guscio fond.	99	110	182	192	6	2	35.0	0.50	0.25
162Guscio fond.	192	182	183	193	6	2	35.0	0.50	0.25
163Guscio fond.	193	183	184	194	6	2	35.0	0.50	0.25
164Guscio fond.	194	184	185	195	6	2	35.0	0.50	0.25
165Guscio fond.	195	185	186	196	6	2	35.0	0.50	0.25
166Guscio fond.	196	186	187	197	6	2	35.0	0.50	0.25
167Guscio fond.	197	187	188	198	6	2	35.0	0.50	0.25
168Guscio fond.	198	188	189	199	6	2	35.0	0.50	0.25
169Guscio fond.	199	189	190	200	6	2	35.0	0.50	0.25
170Guscio fond.	200	190	191	201	6	2	35.0	0.50	0.25
171Guscio fond.	88	99	192	202	6	2	35.0	0.50	0.25
172Guscio fond.	202	192	193	203	6	2	35.0	0.50	0.25
173Guscio fond.	203	193	194	204	6	2	35.0	0.50	0.25
174Guscio fond.	204	194	195	205	6	2	35.0	0.50	0.25

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175Guscio fond.	205	195	196	206	6	2	35.0	0.50	0.25
176Guscio fond.	206	196	197	207	6	2	35.0	0.50	0.25
177Guscio fond.	207	197	198	208	6	2	35.0	0.50	0.25
178Guscio fond.	208	198	199	209	6	2	35.0	0.50	0.25
179Guscio fond.	209	199	200	210	6	2	35.0	0.50	0.25
180Guscio fond.	210	200	201	211	6	2	35.0	0.50	0.25
181Guscio fond.	77	88	202	212	6	2	35.0	0.50	0.25
182Guscio fond.	212	202	203	213	6	2	35.0	0.50	0.25
183Guscio fond.	213	203	204	214	6	2	35.0	0.50	0.25
184Guscio fond.	214	204	205	215	6	2	35.0	0.50	0.25
185Guscio fond.	215	205	206	216	6	2	35.0	0.50	0.25
186Guscio fond.	216	206	207	217	6	2	35.0	0.50	0.25
187Guscio fond.	217	207	208	218	6	2	35.0	0.50	0.25
188Guscio fond.	218	208	209	219	6	2	35.0	0.50	0.25
189Guscio fond.	219	209	210	220	6	2	35.0	0.50	0.25
190Guscio fond.	220	210	211	221	6	2	35.0	0.50	0.25
191Guscio fond.	66	77	212	222	6	2	35.0	0.50	0.25
192Guscio fond.	222	212	213	223	6	2	35.0	0.50	0.25
193Guscio fond.	223	213	214	224	6	2	35.0	0.50	0.25
194Guscio fond.	224	214	215	225	6	2	35.0	0.50	0.25
195Guscio fond.	225	215	216	226	6	2	35.0	0.50	0.25
196Guscio fond.	226	216	217	227	6	2	35.0	0.50	0.25
197Guscio fond.	227	217	218	228	6	2	35.0	0.50	0.25
198Guscio fond.	228	218	219	229	6	2	35.0	0.50	0.25
199Guscio fond.	229	219	220	230	6	2	35.0	0.50	0.25
200Guscio fond.	230	220	221	231	6	2	35.0	0.50	0.25
201Guscio fond.	55	66	222	232	6	2	35.0	0.50	0.25
202Guscio fond.	232	222	223	233	6	2	35.0	0.50	0.25
203Guscio fond.	233	223	224	234	6	2	35.0	0.50	0.25
204Guscio fond.	234	224	225	235	6	2	35.0	0.50	0.25
205Guscio fond.	235	225	226	236	6	2	35.0	0.50	0.25
206Guscio fond.	236	226	227	237	6	2	35.0	0.50	0.25
207Guscio fond.	237	227	228	238	6	2	35.0	0.50	0.25
208Guscio fond.	238	228	229	239	6	2	35.0	0.50	0.25
209Guscio fond.	239	229	230	240	6	2	35.0	0.50	0.25
210Guscio fond.	240	230	231	241	6	2	35.0	0.50	0.25
211Guscio fond.	44	55	232	242	6	2	35.0	0.50	0.25
212Guscio fond.	242	232	233	243	6	2	35.0	0.50	0.25
213Guscio fond.	243	233	234	244	6	2	35.0	0.50	0.25
214Guscio fond.	244	234	235	245	6	2	35.0	0.50	0.25
215Guscio fond.	245	235	236	246	6	2	35.0	0.50	0.25
216Guscio fond.	246	236	237	247	6	2	35.0	0.50	0.25
217Guscio fond.	247	237	238	248	6	2	35.0	0.50	0.25
218Guscio fond.	248	238	239	249	6	2	35.0	0.50	0.25

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219Guscio fond.	249	239	240	250	6	2	35.0	0.50	0.25
220Guscio fond.	250	240	241	251	6	2	35.0	0.50	0.25
221Guscio fond.	33	44	242	252	6	2	35.0	0.50	0.25
222Guscio fond.	252	242	243	253	6	2	35.0	0.50	0.25
223Guscio fond.	253	243	244	254	6	2	35.0	0.50	0.25
224Guscio fond.	254	244	245	255	6	2	35.0	0.50	0.25
225Guscio fond.	255	245	246	256	6	2	35.0	0.50	0.25
226Guscio fond.	256	246	247	257	6	2	35.0	0.50	0.25
227Guscio fond.	257	247	248	258	6	2	35.0	0.50	0.25
228Guscio fond.	258	248	249	259	6	2	35.0	0.50	0.25
229Guscio fond.	259	249	250	260	6	2	35.0	0.50	0.25
230Guscio fond.	260	250	251	261	6	2	35.0	0.50	0.25
231Guscio fond.	21	33	252	262	6	2	35.0	0.50	0.25
232Guscio fond.	262	252	253	263	6	2	35.0	0.50	0.25
233Guscio fond.	263	253	254	264	6	2	35.0	0.50	0.25
234Guscio fond.	264	254	255	265	6	2	35.0	0.50	0.25
235Guscio fond.	265	255	256	266	6	2	35.0	0.50	0.25
236Guscio fond.	266	256	257	267	6	2	35.0	0.50	0.25
237Guscio fond.	267	257	258	268	6	2	35.0	0.50	0.25
238Guscio fond.	268	258	259	269	6	2	35.0	0.50	0.25
239Guscio fond.	269	259	260	270	6	2	35.0	0.50	0.25
240Guscio fond.	270	260	261	271	6	2	35.0	0.50	0.25
241Guscio fond.	22	21	262	272	6	2	35.0	0.50	0.25
242Guscio fond.	272	262	263	273	6	2	35.0	0.50	0.25
243Guscio fond.	273	263	264	274	6	2	35.0	0.50	0.25
244Guscio fond.	274	264	265	275	6	2	35.0	0.50	0.25
245Guscio fond.	275	265	266	276	6	2	35.0	0.50	0.25
246Guscio fond.	276	266	267	277	6	2	35.0	0.50	0.25
247Guscio fond.	277	267	268	278	6	2	35.0	0.50	0.25
248Guscio fond.	278	268	269	279	6	2	35.0	0.50	0.25
249Guscio fond.	279	269	270	280	6	2	35.0	0.50	0.25
250Guscio fond.	280	270	271	281	6	2	35.0	0.50	0.25
251Guscio fond.	282	20	22	272	6	2	35.0	0.50	0.25
252Guscio fond.	283	282	272	273	6	2	35.0	0.50	0.25
253Guscio fond.	284	283	273	274	6	2	35.0	0.50	0.25
254Guscio fond.	285	284	274	275	6	2	35.0	0.50	0.25
255Guscio fond.	286	285	275	276	6	2	35.0	0.50	0.25
256Guscio fond.	287	286	276	277	6	2	35.0	0.50	0.25
257Guscio fond.	288	287	277	278	6	2	35.0	0.50	0.25
258Guscio fond.	289	288	278	279	6	2	35.0	0.50	0.25
259Guscio fond.	290	289	279	280	6	2	35.0	0.50	0.25
260Guscio fond.	291	290	280	281	6	2	35.0	0.50	0.25
261Guscio fond.	292	18	20	282	6	2	35.0	0.50	0.25
262Guscio fond.	293	292	282	283	6	2	35.0	0.50	0.25

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263Guscio fond.	294	293	283	284	6	2	35.0	0.50	0.25
264Guscio fond.	295	294	284	285	6	2	35.0	0.50	0.25
265Guscio fond.	296	295	285	286	6	2	35.0	0.50	0.25
266Guscio fond.	297	296	286	287	6	2	35.0	0.50	0.25
267Guscio fond.	298	297	287	288	6	2	35.0	0.50	0.25
268Guscio fond.	299	298	288	289	6	2	35.0	0.50	0.25
269Guscio fond.	300	299	289	290	6	2	35.0	0.50	0.25
270Guscio fond.	301	300	290	291	6	2	35.0	0.50	0.25
271Guscio fond.	302	16	18	292	6	2	35.0	0.50	0.25
272Guscio fond.	303	302	292	293	6	2	35.0	0.50	0.25
273Guscio fond.	304	303	293	294	6	2	35.0	0.50	0.25
274Guscio fond.	305	304	294	295	6	2	35.0	0.50	0.25
275Guscio fond.	306	305	295	296	6	2	35.0	0.50	0.25
276Guscio fond.	307	306	296	297	6	2	35.0	0.50	0.25
277Guscio fond.	308	307	297	298	6	2	35.0	0.50	0.25
278Guscio fond.	309	308	298	299	6	2	35.0	0.50	0.25
279Guscio fond.	310	309	299	300	6	2	35.0	0.50	0.25
280Guscio fond.	311	310	300	301	6	2	35.0	0.50	0.25
281Guscio fond.	312	14	16	302	6	2	35.0	0.50	0.25
282Guscio fond.	313	312	302	303	6	2	35.0	0.50	0.25
283Guscio fond.	314	313	303	304	6	2	35.0	0.50	0.25
284Guscio fond.	315	314	304	305	6	2	35.0	0.50	0.25
285Guscio fond.	316	315	305	306	6	2	35.0	0.50	0.25
286Guscio fond.	317	316	306	307	6	2	35.0	0.50	0.25
287Guscio fond.	318	317	307	308	6	2	35.0	0.50	0.25
288Guscio fond.	319	318	308	309	6	2	35.0	0.50	0.25
289Guscio fond.	320	319	309	310	6	2	35.0	0.50	0.25
290Guscio fond.	321	320	310	311	6	2	35.0	0.50	0.25
291Guscio fond.	322	12	14	312	6	2	35.0	0.50	0.25
292Guscio fond.	323	322	312	313	6	2	35.0	0.50	0.25
293Guscio fond.	324	323	313	314	6	2	35.0	0.50	0.25
294Guscio fond.	325	324	314	315	6	2	35.0	0.50	0.25
295Guscio fond.	326	325	315	316	6	2	35.0	0.50	0.25
296Guscio fond.	327	326	316	317	6	2	35.0	0.50	0.25
297Guscio fond.	328	327	317	318	6	2	35.0	0.50	0.25
298Guscio fond.	329	328	318	319	6	2	35.0	0.50	0.25
299Guscio fond.	330	329	319	320	6	2	35.0	0.50	0.25
300Guscio fond.	331	330	320	321	6	2	35.0	0.50	0.25
301Guscio fond.	332	10	12	322	6	2	35.0	0.50	0.25
302Guscio fond.	333	332	322	323	6	2	35.0	0.50	0.25
303Guscio fond.	334	333	323	324	6	2	35.0	0.50	0.25
304Guscio fond.	335	334	324	325	6	2	35.0	0.50	0.25
305Guscio fond.	336	335	325	326	6	2	35.0	0.50	0.25
306Guscio fond.	337	336	326	327	6	2	35.0	0.50	0.25

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307Guscio fond.	338	337	327	328	6	2	35.0	0.50	0.25
308Guscio fond.	339	338	328	329	6	2	35.0	0.50	0.25
309Guscio fond.	340	339	329	330	6	2	35.0	0.50	0.25
310Guscio fond.	341	340	330	331	6	2	35.0	0.50	0.25
311Guscio fond.	342	8	10	332	6	2	35.0	0.50	0.25
312Guscio fond.	343	342	332	333	6	2	35.0	0.50	0.25
313Guscio fond.	344	343	333	334	6	2	35.0	0.50	0.25
314Guscio fond.	345	344	334	335	6	2	35.0	0.50	0.25
315Guscio fond.	346	345	335	336	6	2	35.0	0.50	0.25
316Guscio fond.	347	346	336	337	6	2	35.0	0.50	0.25
317Guscio fond.	348	347	337	338	6	2	35.0	0.50	0.25
318Guscio fond.	349	348	338	339	6	2	35.0	0.50	0.25
319Guscio fond.	350	349	339	340	6	2	35.0	0.50	0.25
320Guscio fond.	351	350	340	341	6	2	35.0	0.50	0.25
321Guscio fond.	352	6	8	342	6	2	35.0	0.50	0.25
322Guscio fond.	353	352	342	343	6	2	35.0	0.50	0.25
323Guscio fond.	354	353	343	344	6	2	35.0	0.50	0.25
324Guscio fond.	355	354	344	345	6	2	35.0	0.50	0.25
325Guscio fond.	356	355	345	346	6	2	35.0	0.50	0.25
326Guscio fond.	357	356	346	347	6	2	35.0	0.50	0.25
327Guscio fond.	358	357	347	348	6	2	35.0	0.50	0.25
328Guscio fond.	359	358	348	349	6	2	35.0	0.50	0.25
329Guscio fond.	360	359	349	350	6	2	35.0	0.50	0.25
330Guscio fond.	361	360	350	351	6	2	35.0	0.50	0.25
331Guscio fond.	362	4	6	352	6	2	35.0	0.50	0.25
332Guscio fond.	363	362	352	353	6	2	35.0	0.50	0.25
333Guscio fond.	364	363	353	354	6	2	35.0	0.50	0.25
334Guscio fond.	365	364	354	355	6	2	35.0	0.50	0.25
335Guscio fond.	366	365	355	356	6	2	35.0	0.50	0.25
336Guscio fond.	367	366	356	357	6	2	35.0	0.50	0.25
337Guscio fond.	368	367	357	358	6	2	35.0	0.50	0.25
338Guscio fond.	369	368	358	359	6	2	35.0	0.50	0.25
339Guscio fond.	370	369	359	360	6	2	35.0	0.50	0.25
340Guscio fond.	371	370	360	361	6	2	35.0	0.50	0.25
341Guscio fond.	372	1	4	362	6	2	35.0	0.50	0.25
342Guscio fond.	373	372	362	363	6	2	35.0	0.50	0.25
343Guscio fond.	374	373	363	364	6	2	35.0	0.50	0.25
344Guscio fond.	375	374	364	365	6	2	35.0	0.50	0.25
345Guscio fond.	376	375	365	366	6	2	35.0	0.50	0.25
346Guscio fond.	377	376	366	367	6	2	35.0	0.50	0.25
347Guscio fond.	378	377	367	368	6	2	35.0	0.50	0.25
348Guscio fond.	379	378	368	369	6	2	35.0	0.50	0.25
349Guscio fond.	380	379	369	370	6	2	35.0	0.50	0.25
350Guscio fond.	381	380	370	371	6	2	35.0	0.50	0.25

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351Guscio fond.	372	382	2	1	6	2	35.0	0.50	0.25
352Guscio fond.	373	383	382	372	6	2	35.0	0.50	0.25
353Guscio fond.	374	384	383	373	6	2	35.0	0.50	0.25
354Guscio fond.	375	385	384	374	6	2	35.0	0.50	0.25
355Guscio fond.	376	386	385	375	6	2	35.0	0.50	0.25
356Guscio fond.	377	387	386	376	6	2	35.0	0.50	0.25
357Guscio fond.	378	388	387	377	6	2	35.0	0.50	0.25
358Guscio fond.	379	389	388	378	6	2	35.0	0.50	0.25
359Guscio fond.	380	390	389	379	6	2	35.0	0.50	0.25
360Guscio fond.	381	391	390	380	6	2	35.0	0.50	0.25
361Guscio fond.	382	392	23	2	6	2	35.0	0.50	0.25
362Guscio fond.	383	393	392	382	6	2	35.0	0.50	0.25
363Guscio fond.	384	394	393	383	6	2	35.0	0.50	0.25
364Guscio fond.	385	395	394	384	6	2	35.0	0.50	0.25
365Guscio fond.	386	396	395	385	6	2	35.0	0.50	0.25
366Guscio fond.	387	397	396	386	6	2	35.0	0.50	0.25
367Guscio fond.	388	398	397	387	6	2	35.0	0.50	0.25
368Guscio fond.	389	399	398	388	6	2	35.0	0.50	0.25
369Guscio fond.	390	400	399	389	6	2	35.0	0.50	0.25
370Guscio fond.	391	401	400	390	6	2	35.0	0.50	0.25
371Guscio fond.	392	402	34	23	6	2	35.0	0.50	0.25
372Guscio fond.	393	403	402	392	6	2	35.0	0.50	0.25
373Guscio fond.	394	404	403	393	6	2	35.0	0.50	0.25
374Guscio fond.	395	405	404	394	6	2	35.0	0.50	0.25
375Guscio fond.	396	406	405	395	6	2	35.0	0.50	0.25
376Guscio fond.	397	407	406	396	6	2	35.0	0.50	0.25
377Guscio fond.	398	408	407	397	6	2	35.0	0.50	0.25
378Guscio fond.	399	409	408	398	6	2	35.0	0.50	0.25
379Guscio fond.	400	410	409	399	6	2	35.0	0.50	0.25
380Guscio fond.	401	411	410	400	6	2	35.0	0.50	0.25
381Guscio fond.	402	412	45	34	6	2	35.0	0.50	0.25
382Guscio fond.	403	413	412	402	6	2	35.0	0.50	0.25
383Guscio fond.	404	414	413	403	6	2	35.0	0.50	0.25
384Guscio fond.	405	415	414	404	6	2	35.0	0.50	0.25
385Guscio fond.	406	416	415	405	6	2	35.0	0.50	0.25
386Guscio fond.	407	417	416	406	6	2	35.0	0.50	0.25
387Guscio fond.	408	418	417	407	6	2	35.0	0.50	0.25
388Guscio fond.	409	419	418	408	6	2	35.0	0.50	0.25
389Guscio fond.	410	420	419	409	6	2	35.0	0.50	0.25
390Guscio fond.	411	421	420	410	6	2	35.0	0.50	0.25
391Guscio fond.	412	422	56	45	6	2	35.0	0.50	0.25
392Guscio fond.	413	423	422	412	6	2	35.0	0.50	0.25
393Guscio fond.	414	424	423	413	6	2	35.0	0.50	0.25
394Guscio fond.	415	425	424	414	6	2	35.0	0.50	0.25

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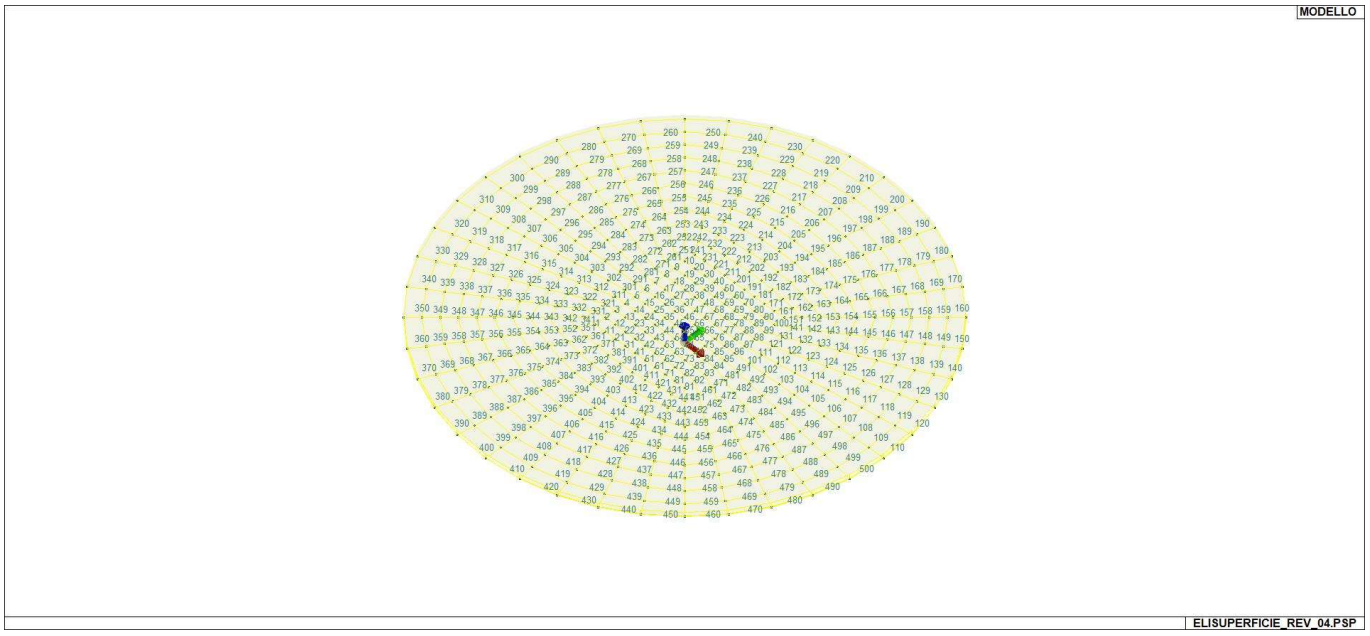
395Guscio fond.	416	426	425	415	6	2	35.0	0.50	0.25
396Guscio fond.	417	427	426	416	6	2	35.0	0.50	0.25
397Guscio fond.	418	428	427	417	6	2	35.0	0.50	0.25
398Guscio fond.	419	429	428	418	6	2	35.0	0.50	0.25
399Guscio fond.	420	430	429	419	6	2	35.0	0.50	0.25
400Guscio fond.	421	431	430	420	6	2	35.0	0.50	0.25
401Guscio fond.	422	432	67	56	6	2	35.0	0.50	0.25
402Guscio fond.	423	433	432	422	6	2	35.0	0.50	0.25
403Guscio fond.	424	434	433	423	6	2	35.0	0.50	0.25
404Guscio fond.	425	435	434	424	6	2	35.0	0.50	0.25
405Guscio fond.	426	436	435	425	6	2	35.0	0.50	0.25
406Guscio fond.	427	437	436	426	6	2	35.0	0.50	0.25
407Guscio fond.	428	438	437	427	6	2	35.0	0.50	0.25
408Guscio fond.	429	439	438	428	6	2	35.0	0.50	0.25
409Guscio fond.	430	440	439	429	6	2	35.0	0.50	0.25
410Guscio fond.	431	441	440	430	6	2	35.0	0.50	0.25
411Guscio fond.	432	442	78	67	6	2	35.0	0.50	0.25
412Guscio fond.	433	443	442	432	6	2	35.0	0.50	0.25
413Guscio fond.	434	444	443	433	6	2	35.0	0.50	0.25
414Guscio fond.	435	445	444	434	6	2	35.0	0.50	0.25
415Guscio fond.	436	446	445	435	6	2	35.0	0.50	0.25
416Guscio fond.	437	447	446	436	6	2	35.0	0.50	0.25
417Guscio fond.	438	448	447	437	6	2	35.0	0.50	0.25
418Guscio fond.	439	449	448	438	6	2	35.0	0.50	0.25
419Guscio fond.	440	450	449	439	6	2	35.0	0.50	0.25
420Guscio fond.	441	451	450	440	6	2	35.0	0.50	0.25
421Guscio fond.	442	452	89	78	6	2	35.0	0.50	0.25
422Guscio fond.	443	453	452	442	6	2	35.0	0.50	0.25
423Guscio fond.	444	454	453	443	6	2	35.0	0.50	0.25
424Guscio fond.	445	455	454	444	6	2	35.0	0.50	0.25
425Guscio fond.	446	456	455	445	6	2	35.0	0.50	0.25
426Guscio fond.	447	457	456	446	6	2	35.0	0.50	0.25
427Guscio fond.	448	458	457	447	6	2	35.0	0.50	0.25
428Guscio fond.	449	459	458	448	6	2	35.0	0.50	0.25
429Guscio fond.	450	460	459	449	6	2	35.0	0.50	0.25
430Guscio fond.	451	461	460	450	6	2	35.0	0.50	0.25
431Guscio fond.	452	462	100	89	6	2	35.0	0.50	0.25
432Guscio fond.	453	463	462	452	6	2	35.0	0.50	0.25
433Guscio fond.	454	464	463	453	6	2	35.0	0.50	0.25
434Guscio fond.	455	465	464	454	6	2	35.0	0.50	0.25
435Guscio fond.	456	466	465	455	6	2	35.0	0.50	0.25
436Guscio fond.	457	467	466	456	6	2	35.0	0.50	0.25
437Guscio fond.	458	468	467	457	6	2	35.0	0.50	0.25
438Guscio fond.	459	469	468	458	6	2	35.0	0.50	0.25

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439Guscio fond.	460	470	469	459	6	2	35.0	0.50	0.25
440Guscio fond.	461	471	470	460	6	2	35.0	0.50	0.25
441Guscio fond.	462	472	111	100	6	2	35.0	0.50	0.25
442Guscio fond.	463	473	472	462	6	2	35.0	0.50	0.25
443Guscio fond.	464	474	473	463	6	2	35.0	0.50	0.25
444Guscio fond.	465	475	474	464	6	2	35.0	0.50	0.25
445Guscio fond.	466	476	475	465	6	2	35.0	0.50	0.25
446Guscio fond.	467	477	476	466	6	2	35.0	0.50	0.25
447Guscio fond.	468	478	477	467	6	2	35.0	0.50	0.25
448Guscio fond.	469	479	478	468	6	2	35.0	0.50	0.25
449Guscio fond.	470	480	479	469	6	2	35.0	0.50	0.25
450Guscio fond.	471	481	480	470	6	2	35.0	0.50	0.25
451Guscio fond.	111	472	482	112	6	2	35.0	0.50	0.25
452Guscio fond.	472	473	483	482	6	2	35.0	0.50	0.25
453Guscio fond.	473	474	484	483	6	2	35.0	0.50	0.25
454Guscio fond.	474	475	485	484	6	2	35.0	0.50	0.25
455Guscio fond.	475	476	486	485	6	2	35.0	0.50	0.25
456Guscio fond.	476	477	487	486	6	2	35.0	0.50	0.25
457Guscio fond.	477	478	488	487	6	2	35.0	0.50	0.25
458Guscio fond.	478	479	489	488	6	2	35.0	0.50	0.25
459Guscio fond.	479	480	490	489	6	2	35.0	0.50	0.25
460Guscio fond.	480	481	491	490	6	2	35.0	0.50	0.25
461Guscio fond.	112	482	492	113	6	2	35.0	0.50	0.25
462Guscio fond.	482	483	493	492	6	2	35.0	0.50	0.25
463Guscio fond.	483	484	494	493	6	2	35.0	0.50	0.25
464Guscio fond.	484	485	495	494	6	2	35.0	0.50	0.25
465Guscio fond.	485	486	496	495	6	2	35.0	0.50	0.25
466Guscio fond.	486	487	497	496	6	2	35.0	0.50	0.25
467Guscio fond.	487	488	498	497	6	2	35.0	0.50	0.25
468Guscio fond.	488	489	499	498	6	2	35.0	0.50	0.25
469Guscio fond.	489	490	500	499	6	2	35.0	0.50	0.25
470Guscio fond.	490	491	501	500	6	2	35.0	0.50	0.25
471Guscio fond.	113	492	502	114	6	2	35.0	0.50	0.25
472Guscio fond.	492	493	503	502	6	2	35.0	0.50	0.25
473Guscio fond.	493	494	504	503	6	2	35.0	0.50	0.25
474Guscio fond.	494	495	505	504	6	2	35.0	0.50	0.25
475Guscio fond.	495	496	506	505	6	2	35.0	0.50	0.25
476Guscio fond.	496	497	507	506	6	2	35.0	0.50	0.25
477Guscio fond.	497	498	508	507	6	2	35.0	0.50	0.25
478Guscio fond.	498	499	509	508	6	2	35.0	0.50	0.25
479Guscio fond.	499	500	510	509	6	2	35.0	0.50	0.25
480Guscio fond.	500	501	511	510	6	2	35.0	0.50	0.25
481Guscio fond.	114	502	512	115	6	2	35.0	0.50	0.25
482Guscio fond.	502	503	513	512	6	2	35.0	0.50	0.25

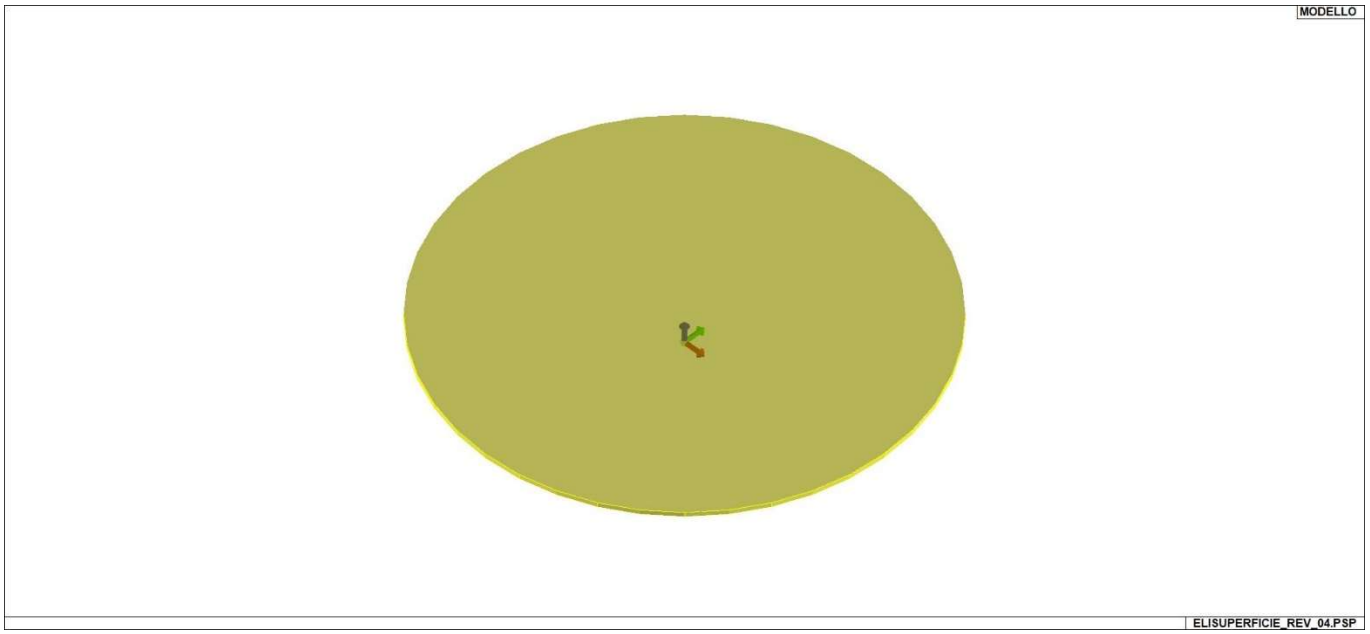
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483Guscio fond.	503	504	514	513	6	2	35.0	0.50	0.25
484Guscio fond.	504	505	515	514	6	2	35.0	0.50	0.25
485Guscio fond.	505	506	516	515	6	2	35.0	0.50	0.25
486Guscio fond.	506	507	517	516	6	2	35.0	0.50	0.25
487Guscio fond.	507	508	518	517	6	2	35.0	0.50	0.25
488Guscio fond.	508	509	519	518	6	2	35.0	0.50	0.25
489Guscio fond.	509	510	520	519	6	2	35.0	0.50	0.25
490Guscio fond.	510	511	521	520	6	2	35.0	0.50	0.25
491Guscio fond.	115	512	122	116	6	2	35.0	0.50	0.25
492Guscio fond.	512	513	124	122	6	2	35.0	0.50	0.25
493Guscio fond.	513	514	126	124	6	2	35.0	0.50	0.25
494Guscio fond.	514	515	128	126	6	2	35.0	0.50	0.25
495Guscio fond.	515	516	130	128	6	2	35.0	0.50	0.25
496Guscio fond.	516	517	132	130	6	2	35.0	0.50	0.25
497Guscio fond.	517	518	134	132	6	2	35.0	0.50	0.25
498Guscio fond.	518	519	136	134	6	2	35.0	0.50	0.25
499Guscio fond.	519	520	138	136	6	2	35.0	0.50	0.25
500Guscio fond.	520	521	140	138	6	2	35.0	0.50	0.25



16_MOD_NUMERAZIONE_D3

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16_MOD_SPESSORI_D3

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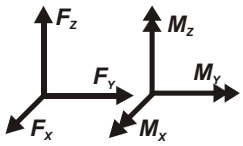
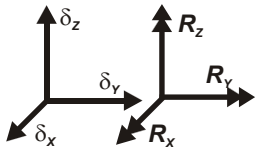
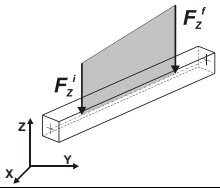
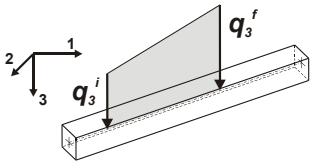
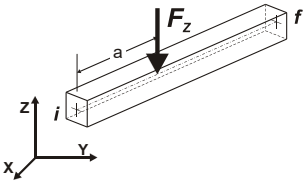
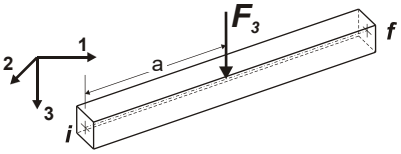
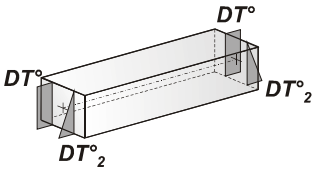
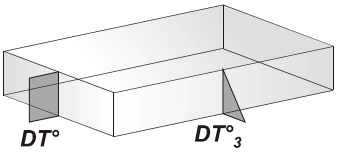
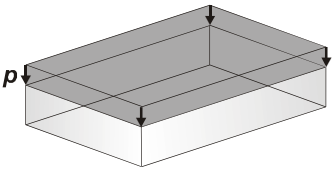
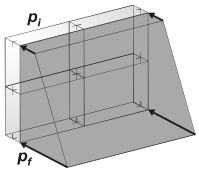
MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

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

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

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

Tipo	carico concentrato nodale

Id	Tipo	Fx	Fy	Fz	Mx	My	Mz
		kN	kN	kN	kN m	kN m	kN m
1	CONCENTRATO 2,5 P-CN:Fz=-3.000e+04	0.0	0.0	-300.00	0.0	0.0	0.0
3	ORIZZONTALE 0,5 P-CN:Fy=-6000.00	0.0	-60.00	0.0	0.0	0.0	0.0

Tipo	carico di pressione uniforme su piastra

Id	Tipo	pressione
		kN/ m2
2	PRESSIONE_UNIFORME-P3:p=-4.000e-02	-4.00
4	NEVE-P3:p=-8.100e-03	-0.81

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SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

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

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

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

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

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

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

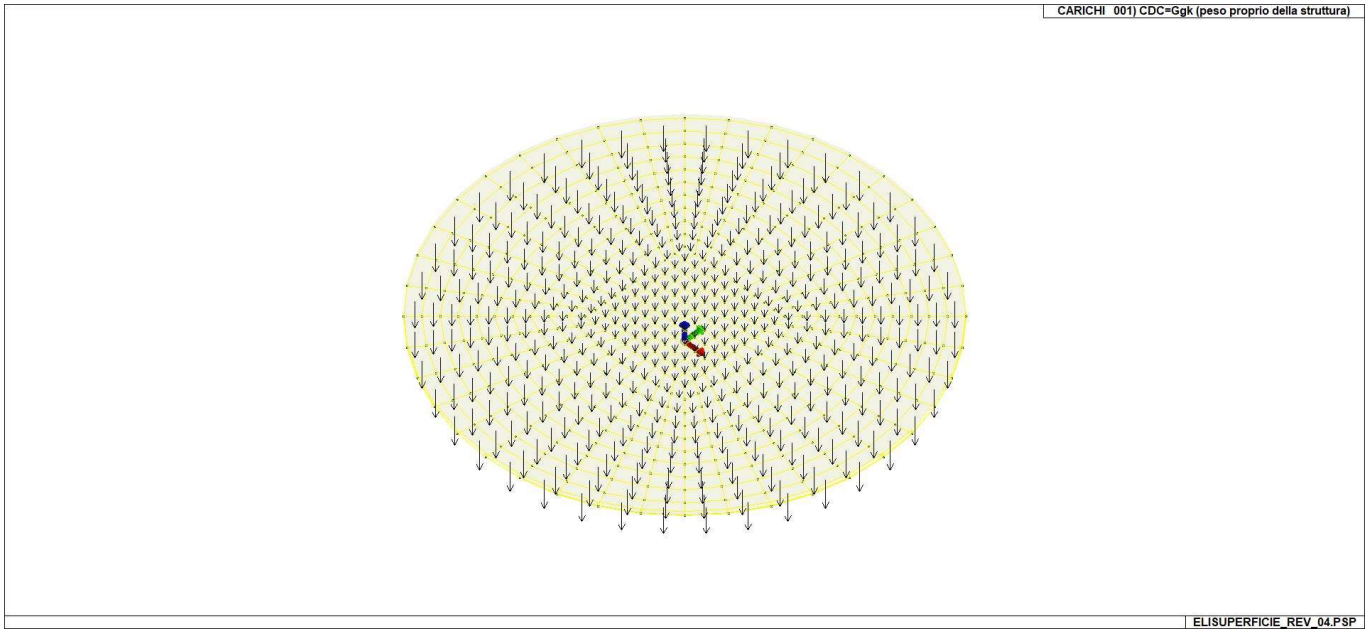
In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

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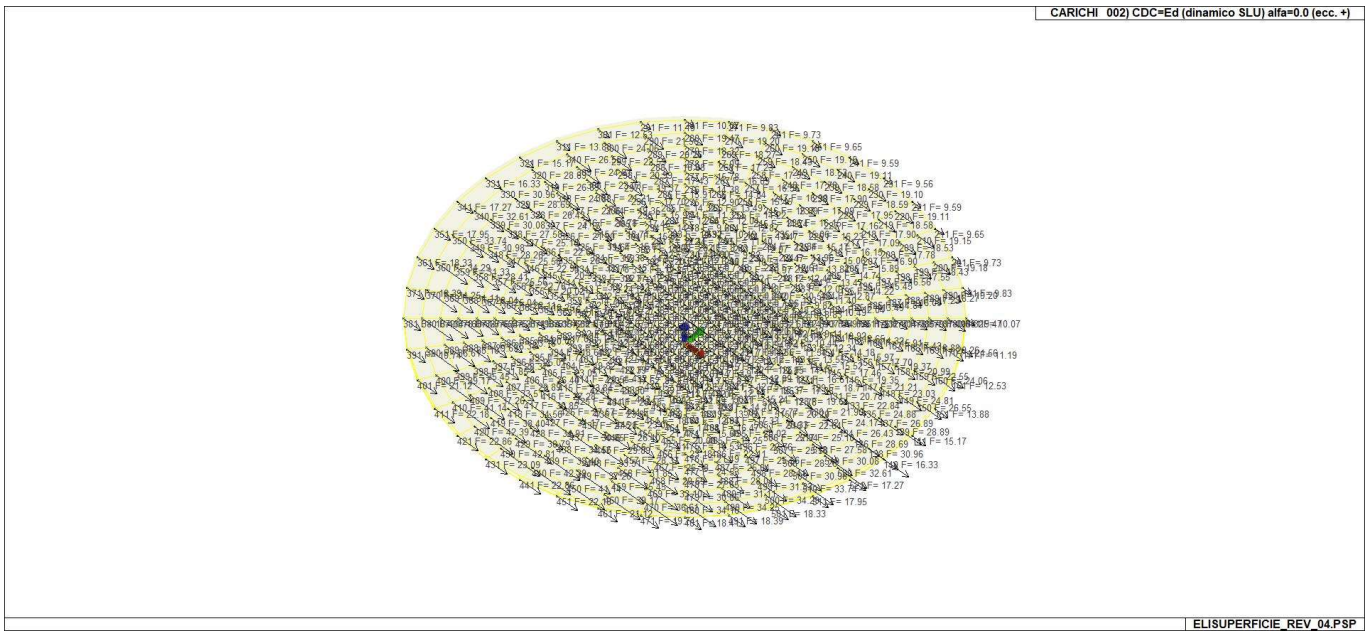
Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per il caso di carico 5-Qsk e 6-Qnk la partecipazione 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	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:0.80 per 10 CDC=Qk (variabile generico) CONCENTRATO_ELICOTTERO
			partecipazione:0.80 per 11 CDC=Qk (variabile generico) SOVRACCARICO
			partecipazione:0.80 per 12 CDC=Qk (variabile generico) ORIZZONTALE ELICOTTERO
			partecipazione:0.80 per 13 CDC=Qk (variabile generico) NEVE
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
10	Qk	CDC=Qk (variabile generico) CONCENTRATO_ELICOTTERO	Azioni applicate:
			Nodo: 61 Azione : CONCENTRATO 2,5 P-CN:Fz=-3.000e+04
11	Qk	CDC=Qk (variabile generico) SOVRACCARICO	Azioni applicate:
			D3 :da 1 a 500 Azione : PRESSIONE_UNIFORME-P3:p=-4.000e-02
12	Qk	CDC=Qk (variabile generico) ORIZZONTALE ELICOTTERO	Azioni applicate:
			Nodo: 50 Azione : ORIZZONTALE 0,5 P-CN:Fy=-6000.00
			Nodo: 72 Azione : ORIZZONTALE 0,5 P-CN:Fy=-6000.00
13	Qk	CDC=Qk (variabile generico) NEVE	Azioni applicate:
			D3 :da 1 a 500 Azione : NEVE-P3:p=-8.100e-03

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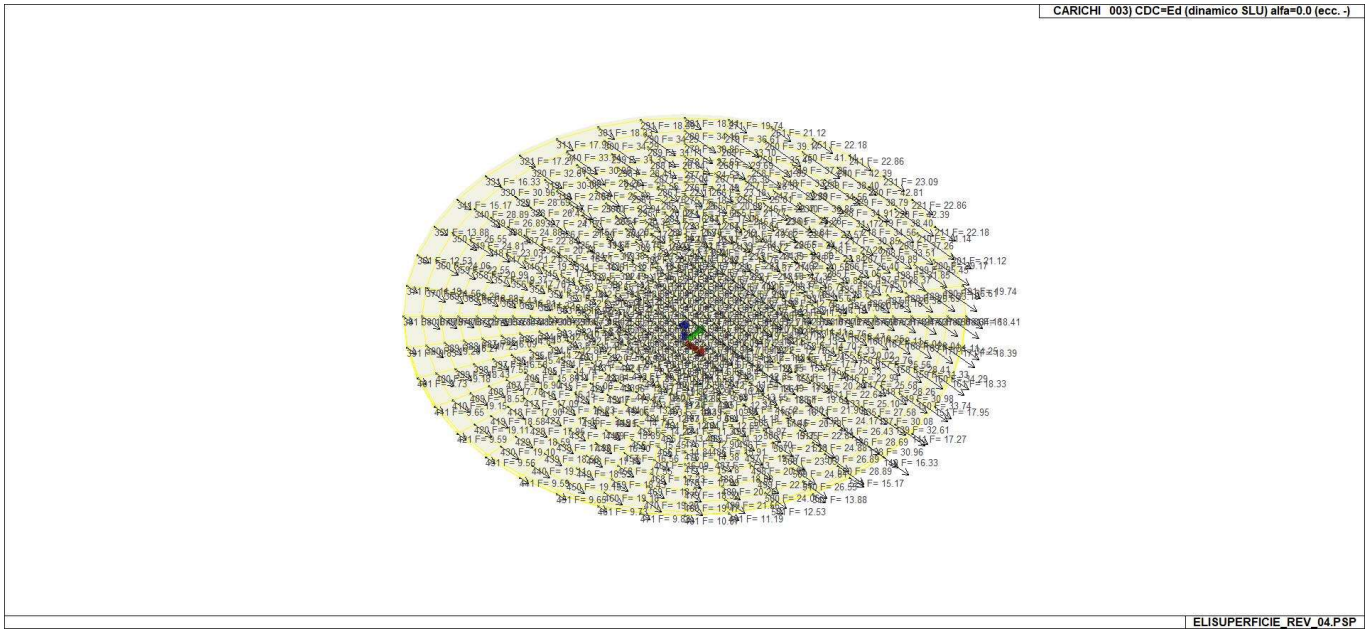


22_CDC_001_CDC=Ggk (peso proprio della struttura)

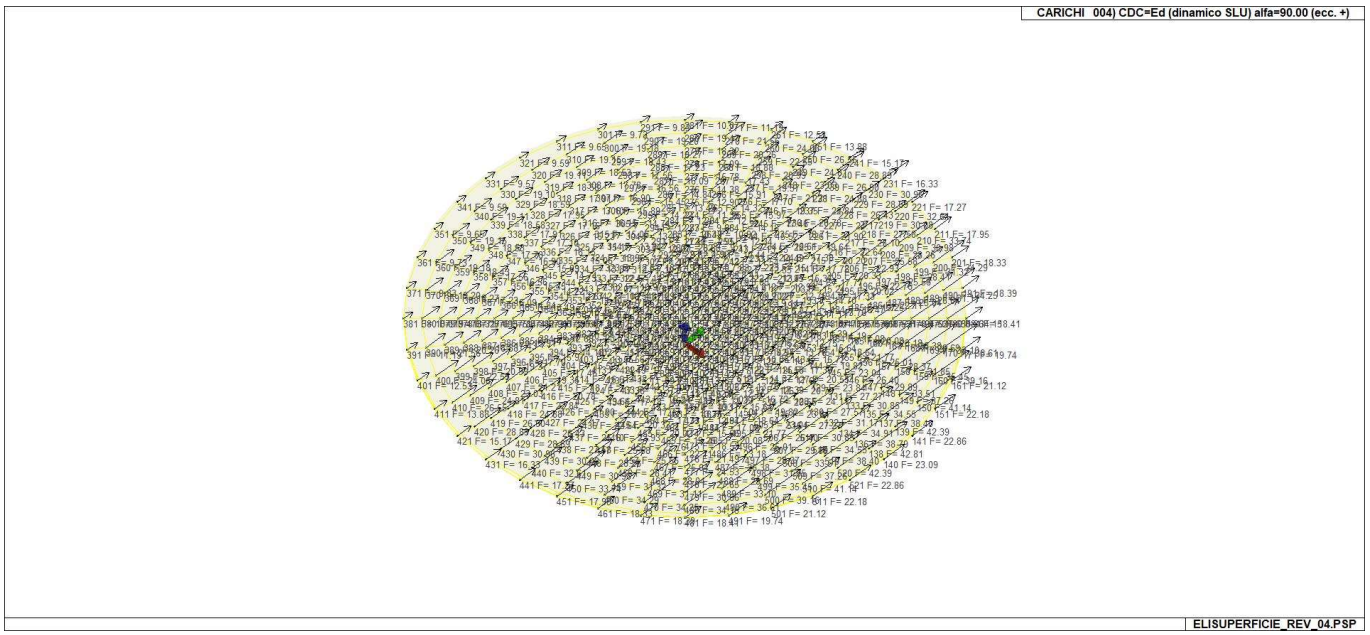


22_CDC_002_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)

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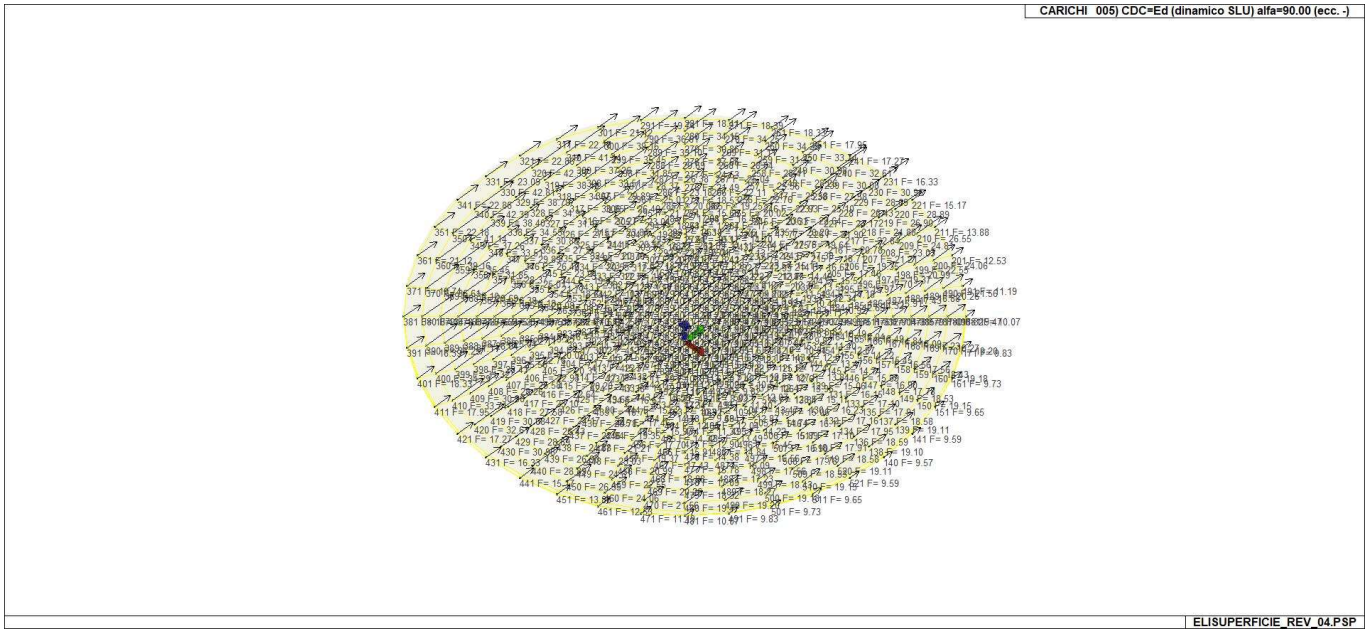


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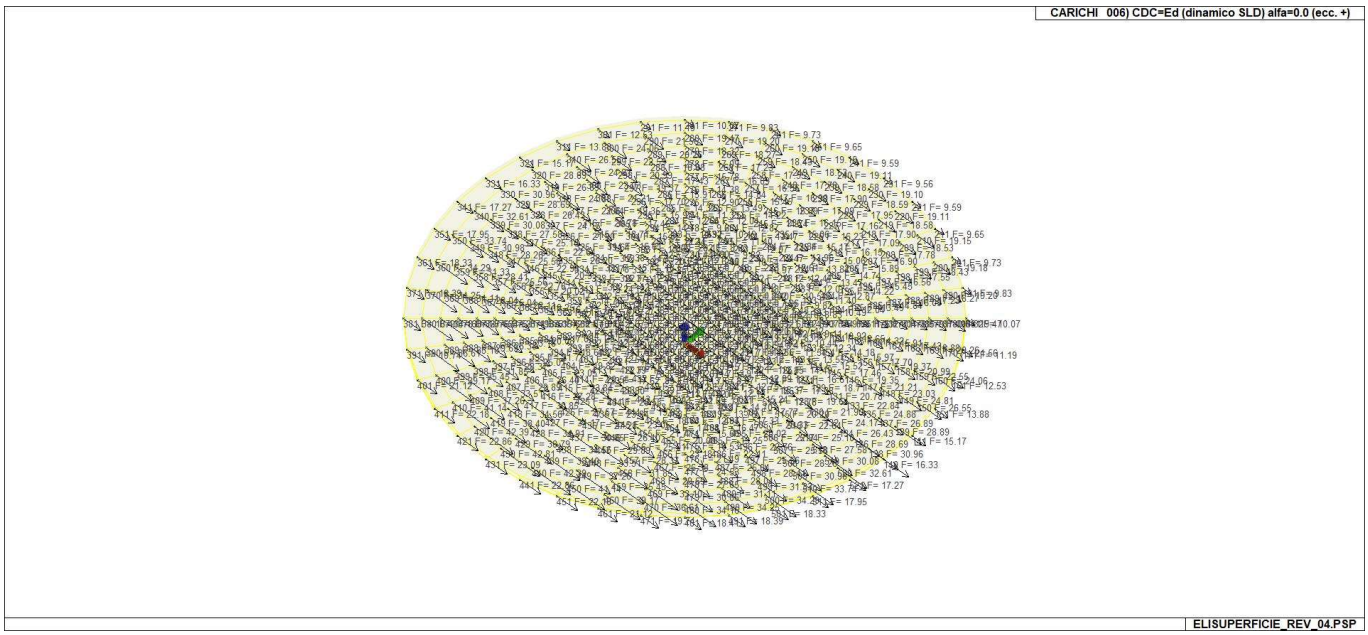


22_CDC_004_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)

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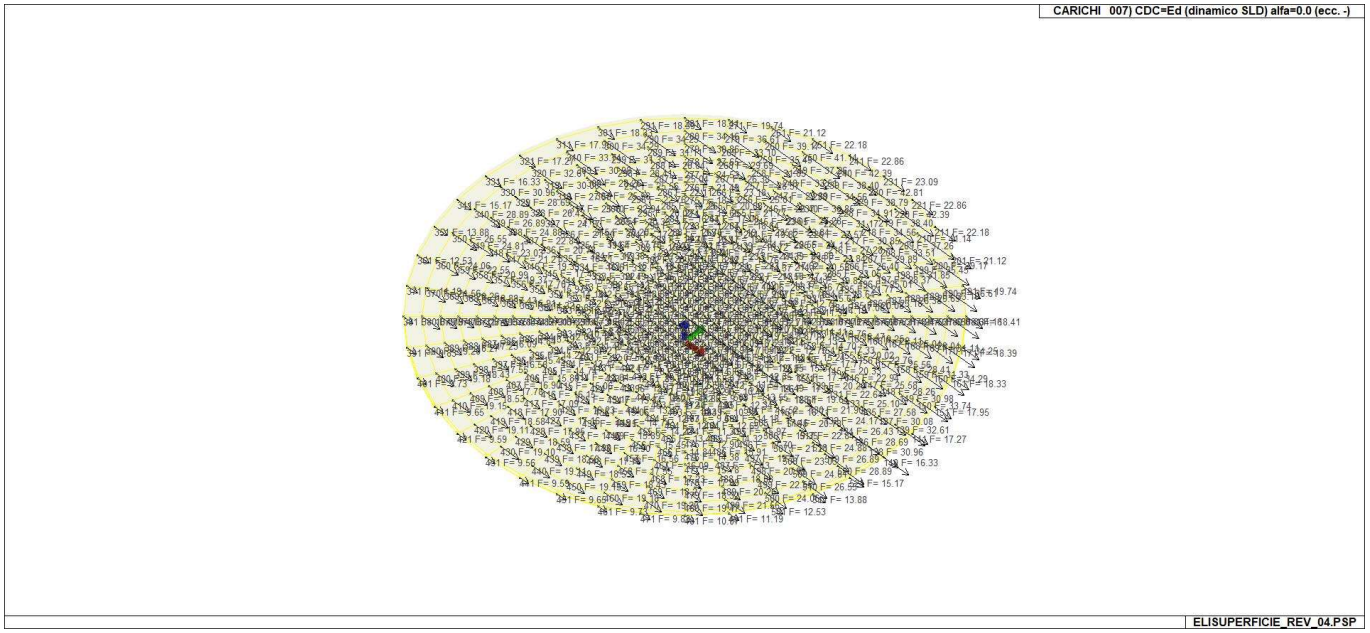


22_CDC_005_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)

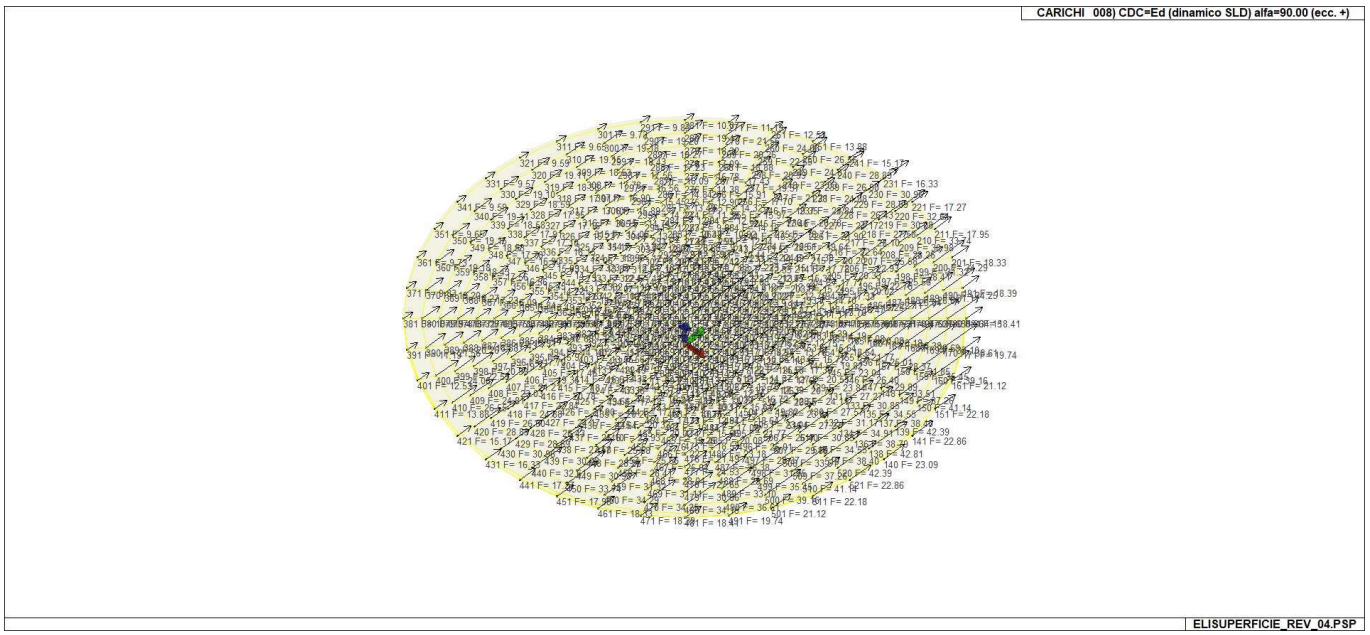


22_CDC_006_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)

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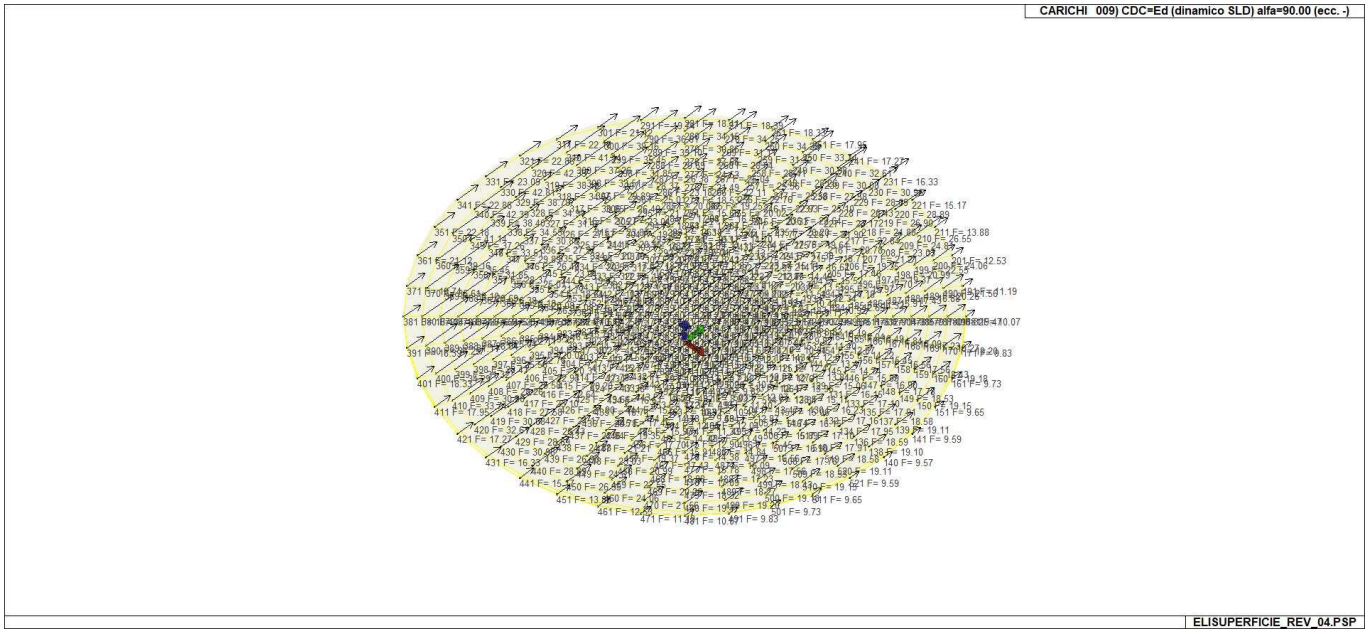


22_CDC_007_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)

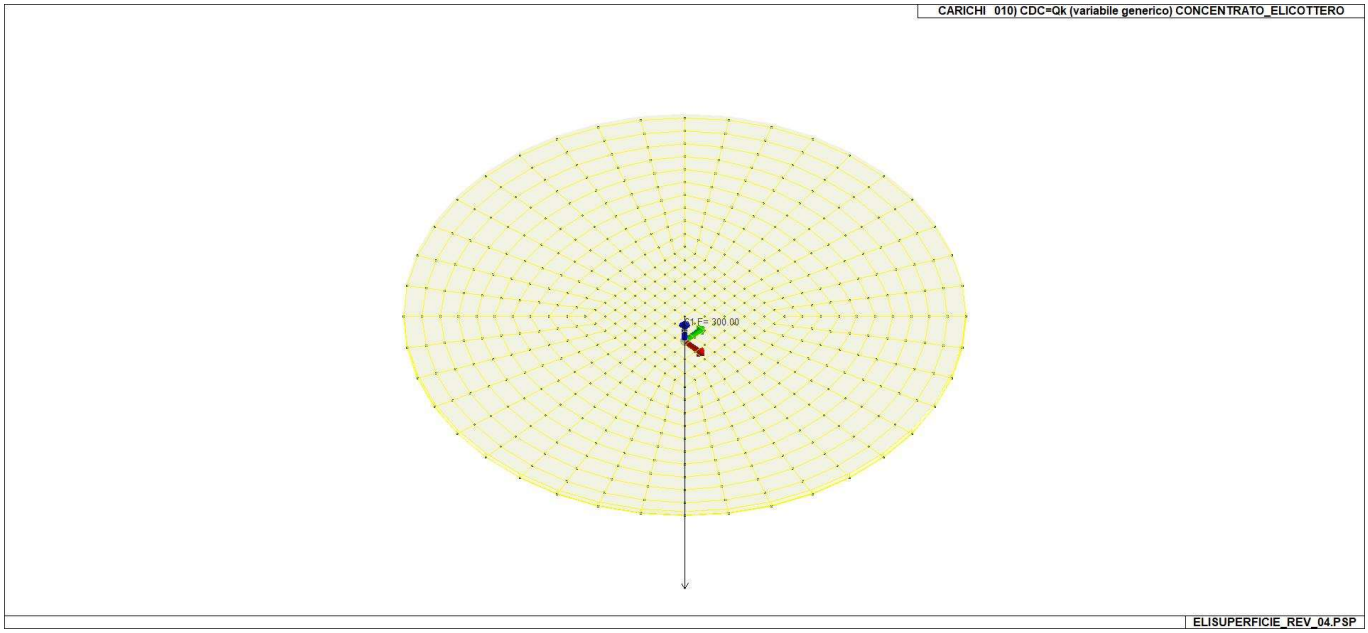


22_CDC_008_CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)

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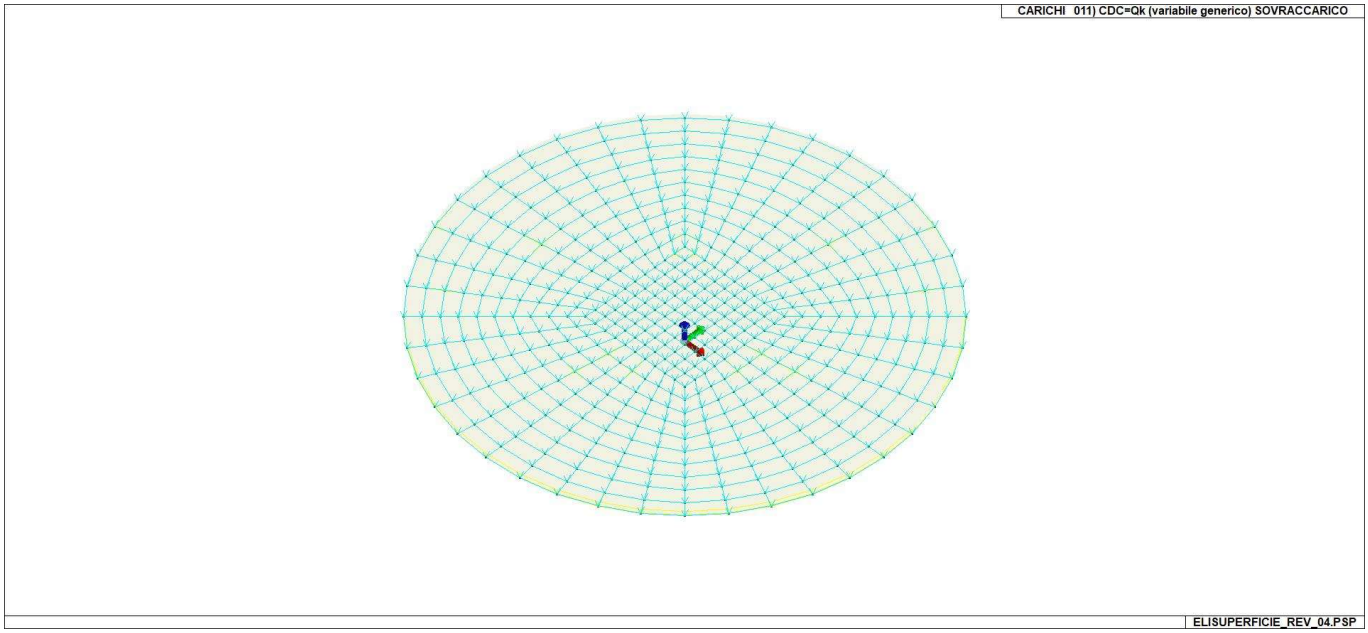


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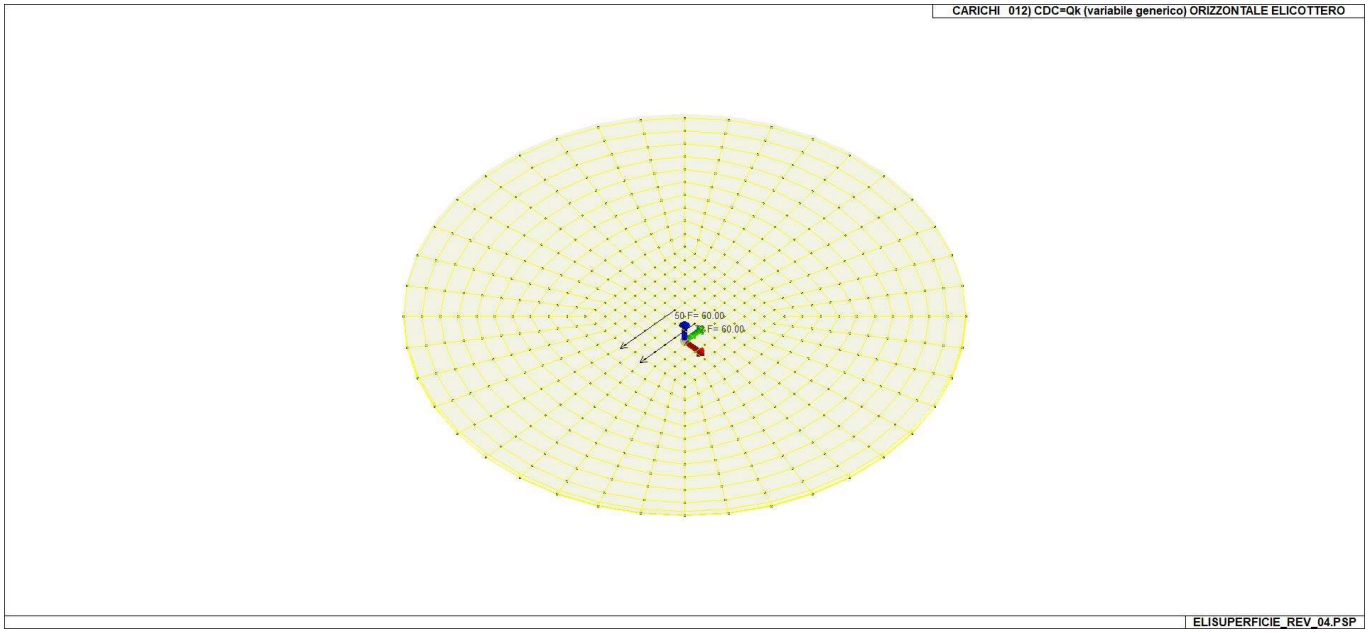


22_CDC_010_CDC=Qk (variabile generico) CONCENTRATO_ELICOTTERO

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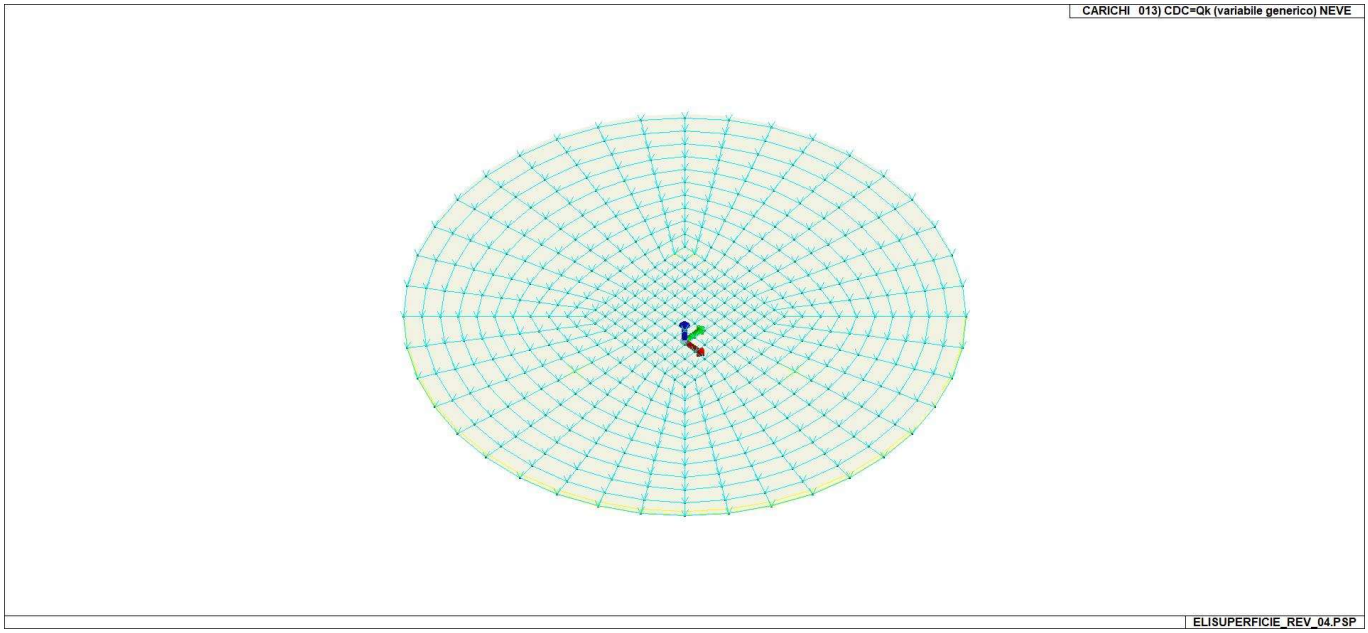


22_CDC_011_CDC=Qk (variabile generico) SOVRACCARICO



22_CDC_012_CDC=Qk (variabile generico) ORIZZONTALE ELICOTTERO

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22_CDC_013_CDC=Qk (variabile generico) NEVE

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DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

Combinazione fondamentale *SLU*

$gG1 \times G1 + gG2 \times G2 + gP \times P + gQ1 \times Qk1 + gQ2 \times y02 \times Qk2 + gQ3 \times y03 \times Qk3 + \ldots$

Combinazione caratteristica *(rara) SLE*

$G1 + G2 + P + Qk1 + y02 \times Qk2 + y03 \times Qk3 + \ldots$

Combinazione frequente *SLE*

$G1 + G2 + P + y11 \times Qk1 + y22 \times Qk2 + y23 \times Qk3 + \ldots$

Combinazione quasi permanente *SLE*

$G1 + G2 + P + y21 \times Qk1 + y22 \times Qk2 + y23 \times Qk3 + \ldots$

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

$E + G1 + G2 + P + y21 \times Qk1 + y22 \times Qk2 + \ldots$

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

$G1 + G2 + Ad + P + y21 \times Qk1 + y22 \times Qk2 + \ldots$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***y0***	***y1***	***y2***
Categoria A residenziali	*0,70*	*0,50*	*0,30*
Categoria B uffici	*0,70*	*0,50*	*0,30*
Categoria C ambienti suscettibili di affollamento	*0,70*	*0,70*	*0,60*
Categoria D ambienti ad uso commerciale	*0,70*	*0,70*	*0,60*
Categoria E biblioteche, archivi, magazzini,…	*1,00*	*0,90*	*0,80*
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	*0,70*	*0,70*	*0,60*
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*0,70*	*0,50*	*0,30*
Categoria H Coperture	*0,00*	*0,00*	*0,00*
Vento	*0,60*	*0,20*	*0,00*
Neve a quota <= 1000 m	*0,50*	*0,20*	*0,00*
Neve a quota > 1000 m	*0,70*	*0,50*	*0,20*
Variazioni Termiche	*0,60*	*0,50*	*0,00*

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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 gf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli*	*gG1*	*0,9*	*1,0*	*1,0*
	Sfavorevoli		*1,1*	*1,3*	*1,0*
Carichi permanenti non strutturali	*Favorevoli*	*gG2*	*0,8*	*0,8*	*0,8*
(Non compiutamente definiti)	*Sfavorevoli*		*1,5*	*1,5*	*1,3*
Carichi variabili	*Favorevoli*	*gQi*	*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 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU (Terr. A2)	Comb. SLU A2 9	
10	SLU (Terr. A2)	Comb. SLU A2 10	
11	SLU (Terr. A2)	Comb. SLU A2 11	
12	SLU (Terr. A2)	Comb. SLU A2 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	
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	

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Cmb	Tipo	Sigla Id	effetto P-delta
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	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV 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	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 77	
78	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 78	

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Cmb	Tipo	Sigla Id	effetto P-delta
79	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 79	
80	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 80	
81	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 81	
82	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 82	
83	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 83	
84	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 84	
85	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 85	
86	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 86	
87	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 87	
88	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 88	
89	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 89	
90	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 90	
91	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 91	
92	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 92	
93	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 93	
94	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 94	
95	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 95	
96	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 96	
97	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 97	
98	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 98	
99	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 99	
100	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 100	
101	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 101	
102	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 102	
103	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 103	
104	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 104	
105	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 105	
106	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 106	
107	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 107	
108	SLU (Terr. A2)	Comb. SLU A2 (SLV sism.) 108	
109	SLU(acc.)	Comb. SLU (Accid.) 109	
110	SLU(acc.)	Comb. SLU (Accid.) 110	
111	SLU(acc.)	Comb. SLU (Accid.) 111	
112	SLU(acc.)	Comb. SLU (Accid.) 112	
113	SLE(r)	Comb. SLE(rara) 113	
114	SLE(r)	Comb. SLE(rara) 114	
115	SLE(r)	Comb. SLE(rara) 115	
116	SLE(r)	Comb. SLE(rara) 116	
117	SLE(f)	Comb. SLE(freq.) 117	
118	SLE(f)	Comb. SLE(freq.) 118	
119	SLE(f)	Comb. SLE(freq.) 119	
120	SLE(f)	Comb. SLE(freq.) 120	
121	SLE(p)	Comb. SLE(perm.) 121	
122	SLE(p)	Comb. SLE(perm.) 122	
123	SLE(p)	Comb. SLE(perm.) 123	
124	SLE(p)	Comb. SLE(perm.) 124	

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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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	
2	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.0	1.50	
3	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.0	1.50	1.50	
4	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.50	1.50	1.50	
5	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	
6	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.0	1.50	
7	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.0	1.50	1.50	
8	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.50	1.50	1.50	
9	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	
10	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	1.30	
11	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	1.30	1.30	
12	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.30	1.30	1.30	
13	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
14	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
15	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
16	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
17	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
18	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
19	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
20	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
21	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
22	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
23	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
24	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
25	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
26	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
27	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
28	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
29	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
30	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
31	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
32	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
33	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
34	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
35	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
36	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
37	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
38	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
39	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
40	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
41	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
42	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
43	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
44	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
45	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00	1.00	1.00	1.00	
46	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	1.00	1.00	1.00	1.00	

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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...
47	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	1.00	1.00	1.00	1.00	
48	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	1.00	1.00	1.00	1.00	
49	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	1.00	1.00	1.00	1.00	
50	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	1.00	1.00	1.00	1.00	
51	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	1.00	1.00	1.00	1.00	
52	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	1.00	1.00	1.00	1.00	
53	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	1.00	1.00	1.00	1.00	
54	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	1.00	1.00	1.00	1.00	
55	1.00	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	1.00	1.00	1.00	1.00	
56	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	1.00	1.00	1.00	1.00	
57	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	1.00	1.00	1.00	1.00	
58	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	1.00	1.00	1.00	1.00	
59	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	1.00	1.00	1.00	1.00	
60	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	1.00	1.00	1.00	1.00	
61	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00	1.00	1.00	1.00	
62	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	1.00	1.00	1.00	1.00	
63	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	1.00	1.00	1.00	1.00	
64	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	1.00	1.00	1.00	1.00	
65	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	1.00	1.00	1.00	1.00	
66	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	1.00	1.00	1.00	1.00	
67	1.00	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	1.00	1.00	1.00	1.00	
68	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	1.00	1.00	1.00	1.00	
69	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	1.00	1.00	1.00	1.00	
70	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	1.00	1.00	1.00	1.00	
71	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	1.00	1.00	1.00	1.00	
72	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	1.00	1.00	1.00	1.00	
73	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	1.00	1.00	1.00	1.00	
74	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	1.00	1.00	1.00	1.00	
75	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	1.00	1.00	1.00	1.00	
76	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	1.00	1.00	1.00	1.00	
77	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
78	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
79	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
80	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
81	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
82	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
83	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
84	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
85	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
86	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
87	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
88	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
89	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
90	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
91	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
92	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	

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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...
93	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
94	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
95	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
96	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
97	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
98	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
99	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
100	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
101	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
102	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
103	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
104	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
105	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
106	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
107	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
108	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
109	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	
110	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	
111	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	1.00	
112	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
113	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	
114	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	
115	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	1.00	
116	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
117	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	
118	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	
119	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	1.00	
120	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	
121	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	
122	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	
123	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	1.00	
124	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	

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AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

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

L' azione sismica viene definita in relazione ad un periodo di riferimento Vr che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):

ag: accelerazione orizzontale massima del terreno;
Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
T*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
IV	100.0	2.0	200.0	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 = Ss*St (3.2.3)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

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Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, Se, è definito dalle seguenti espressioni:

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

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

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

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

Dove per sottosuolo di categoria **A** i coefficienti S_S e C_C valgono 1; mentre per le categorie di sottosuolo B, C, D, E i coefficienti S_S e C_C vengono calcolati mediante le espressioni riportane nella seguente Tabella

Categoria sottosuolo	S_S	C_C
A	1,00	1,00
B	$1,00 \le 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \le 1,20$	$1,10 \cdot (T_C^*)^{-0,20}$
C	$1,00 \le 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \le 1,50$	$1,05 \cdot (T_C^*)^{-0,33}$
D	$0,90 \le 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \le 1,80$	$1,25 \cdot (T_C^*)^{-0,50}$
E	$1,00 \le 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \le 1,60$	$1,15 \cdot (T_C^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico S_T riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

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

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

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

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

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

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

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

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	9.210	44.334	
17365	9.159	44.306	5.097
17366	9.228	44.308	3.216
17144	9.225	44.358	2.913
17143	9.155	44.356	4.995

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	120.0	0.050	2.545	0.258
SLD	63.0	201.0	0.060	2.571	0.270
SLV	10.0	1898.0	0.136	2.473	0.301
SLC	5.0	2475.0	0.150	2.453	0.305

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.050	1.200	2.545	0.767	0.124	0.372	1.800
SLD	0.060	1.200	2.571	0.849	0.129	0.386	1.840
SLV	0.136	1.200	2.473	1.231	0.140	0.421	2.144
SLC	0.150	1.200	2.453	1.281	0.142	0.425	2.198

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RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

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

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

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

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

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

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

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

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

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

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.
In particolare, la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elestomero
Vcr	Carico critico per instabilità

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Affinché la verifica sia positiva deve essere:

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

CDC	Tipo	Sigla Id	Note
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.404 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.129 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.50	9205.83	0.90	-0.90	0.0	-1.80	0.0	0.0	0.0	0.0	0.0
Risulta	9205.83									

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	kN		kN		kN			
1	7.776	0.129	0.384	5846.78	63.5	0.0	0.0	0.0	0.0	0.0	0.0
2	8.245	0.121	0.371	0.0	0.0	9205.62	100.0	0.0	0.0	0.0	0.0
3	8.996	0.111	0.354	3358.39	36.5	0.0	0.0	0.0	0.0	0.0	0.0
4	9.581	0.104	0.342	0.0	0.0	0.0	0.0	1398.64	15.2	0.0	0.0
5	11.910	0.084	0.307	0.0	0.0	0.0	0.0	7326.23	79.6	0.0	0.0
6	12.472	0.080	0.301	0.0	0.0	0.09	9.32e-04	4.49e-03	4.88e-05	0.0	0.0
7	12.568	0.080	0.300	0.40	4.30e-03	0.0	0.0	0.0	0.0	0.0	0.0
8	12.894	0.078	0.296	0.0	0.0	1.03e-06	0.0	459.97	5.0	0.0	0.0
9	16.672	0.060	0.266	0.0	0.0	0.05	5.74e-04	2.78e-04	3.01e-06	0.0	0.0
10	18.905	0.053	0.254	0.0	0.0	0.0	0.0	20.74	0.2	0.0	0.0
11	28.226	0.035	0.224	0.16	1.77e-03	0.0	0.0	0.0	0.0	0.0	0.0
12	36.016	0.028	0.211	0.0	0.0	0.06	6.07e-04	0.0	0.0	0.0	0.0
Risulta				9205.73		9205.81		9205.58			
In percentuale				100.00		100.00		100.00			

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CDC	Tipo	Sigla Id	Note
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.404 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.129 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.50	9205.83	0.90	-0.90	0.0	1.80	0.0	0.0	0.0	0.0	0.0
Risulta	9205.83									

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	kN		kN		kN			
1	7.776	0.129	0.384	5846.78	63.5	0.0	0.0	0.0	0.0	0.0	0.0
2	8.245	0.121	0.371	0.0	0.0	9205.62	100.0	0.0	0.0	0.0	0.0
3	8.996	0.111	0.354	3358.39	36.5	0.0	0.0	0.0	0.0	0.0	0.0
4	9.581	0.104	0.342	0.0	0.0	0.0	0.0	1398.64	15.2	0.0	0.0
5	11.910	0.084	0.307	0.0	0.0	0.0	0.0	7326.23	79.6	0.0	0.0
6	12.472	0.080	0.301	0.0	0.0	0.09	9.32e-04	4.49e-03	4.88e-05	0.0	0.0
7	12.568	0.080	0.300	0.40	4.30e-03	0.0	0.0	0.0	0.0	0.0	0.0
8	12.894	0.078	0.296	0.0	0.0	1.03e-06	0.0	459.97	5.0	0.0	0.0
9	16.672	0.060	0.266	0.0	0.0	0.05	5.74e-04	2.77e-04	3.01e-06	0.0	0.0
10	18.905	0.053	0.254	0.0	0.0	0.0	0.0	20.74	0.2	0.0	0.0
11	28.226	0.035	0.224	0.16	1.77e-03	0.0	0.0	0.0	0.0	0.0	0.0
12	36.016	0.028	0.211	0.0	0.0	0.06	6.07e-04	0.0	0.0	0.0	0.0
Risulta				9205.73		9205.81		9205.58			
In percentuale				100.00		100.00		100.00			

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CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.404 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.129 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.50	9205.83	0.90	-0.90	1.80	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	9205.83									

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	kN		kN		kN			
1	7.776	0.129	0.384	0.0	0.0	5846.97	63.5	0.0	0.0	0.0	0.0
2	8.245	0.121	0.371	9205.59	100.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8.996	0.111	0.354	0.0	0.0	3358.23	36.5	0.0	0.0	0.0	0.0
4	9.581	0.104	0.342	0.0	0.0	0.0	0.0	1398.64	15.2	0.0	0.0
5	11.910	0.084	0.307	0.0	0.0	0.0	0.0	7326.23	79.6	0.0	0.0
6	12.462	0.080	0.301	0.09	1.02e-03	0.0	0.0	4.38e-03	4.76e-05	0.0	0.0
7	12.546	0.080	0.300	0.0	0.0	0.38	4.15e-03	0.0	0.0	0.0	0.0
8	12.894	0.078	0.296	1.05e-06	0.0	0.0	0.0	459.97	5.0	0.0	0.0
9	16.618	0.060	0.267	0.06	6.68e-04	0.0	0.0	2.46e-04	2.68e-06	0.0	0.0
10	18.905	0.053	0.254	0.0	0.0	0.0	0.0	20.74	0.2	0.0	0.0
11	28.811	0.035	0.223	0.0	0.0	0.15	1.64e-03	0.0	0.0	0.0	0.0
12	34.281	0.029	0.213	0.06	6.90e-04	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				9205.81		9205.73		9205.58			
In percentuale				100.00		100.00		100.00			

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CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.404 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.129 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.50	9205.83	0.90	-0.90	-1.80	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	9205.83									

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	kN		kN		kN			
1	7.776	0.129	0.384	0.0	0.0	5846.97	63.5	0.0	0.0	0.0	0.0
2	8.245	0.121	0.371	9205.59	100.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8.996	0.111	0.354	0.0	0.0	3358.23	36.5	0.0	0.0	0.0	0.0
4	9.581	0.104	0.342	0.0	0.0	0.0	0.0	1398.64	15.2	0.0	0.0
5	11.910	0.084	0.307	0.0	0.0	0.0	0.0	7326.23	79.6	0.0	0.0
6	12.462	0.080	0.301	0.09	1.02e-03	0.0	0.0	4.38e-03	4.76e-05	0.0	0.0
7	12.546	0.080	0.300	0.0	0.0	0.38	4.15e-03	0.0	0.0	0.0	0.0
8	12.894	0.078	0.296	1.05e-06	0.0	0.0	0.0	459.97	5.0	0.0	0.0
9	16.618	0.060	0.267	0.06	6.68e-04	0.0	0.0	2.46e-04	2.67e-06	0.0	0.0
10	18.905	0.053	0.254	0.0	0.0	0.0	0.0	20.74	0.2	0.0	0.0
11	28.811	0.035	0.223	0.0	0.0	0.15	1.64e-03	0.0	0.0	0.0	0.0
12	34.281	0.029	0.213	0.06	6.90e-04	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				9205.81		9205.73		9205.58			
In percentuale				100.00		100.00		100.00			

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CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.185 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.129 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.50	9205.83	0.90	-0.90	0.0	-1.80	0.0	0.0	0.0	0.0	0.0
Risulta	9205.83									

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	kN		kN		kN			
1	7.776	0.129	0.184	5846.78	63.5	0.0	0.0	0.0	0.0	0.0	0.0
2	8.245	0.121	0.178	0.0	0.0	9205.62	100.0	0.0	0.0	0.0	0.0
3	8.996	0.111	0.169	3358.39	36.5	0.0	0.0	0.0	0.0	0.0	0.0
4	9.581	0.104	0.163	0.0	0.0	0.0	0.0	1398.64	15.2	0.0	0.0
5	11.910	0.084	0.145	0.0	0.0	0.0	0.0	7326.23	79.6	0.0	0.0
6	12.472	0.080	0.142	0.0	0.0	0.09	9.32e-04	4.49e-03	4.88e-05	0.0	0.0
7	12.568	0.080	0.142	0.40	4.30e-03	0.0	0.0	0.0	0.0	0.0	0.0
8	12.894	0.078	0.140	0.0	0.0	1.03e-06	0.0	459.97	5.0	0.0	0.0
9	16.672	0.060	0.124	0.0	0.0	0.05	5.74e-04	2.78e-04	3.01e-06	0.0	0.0
10	18.905	0.053	0.118	0.0	0.0	0.0	0.0	20.74	0.2	0.0	0.0
11	28.226	0.035	0.103	0.16	1.77e-03	0.0	0.0	0.0	0.0	0.0	0.0
12	36.016	0.028	0.096	0.0	0.0	0.06	6.07e-04	0.0	0.0	0.0	0.0
Risulta				9205.73		9205.81		9205.58			
In percentuale				100.00		100.00		100.00			

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CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.185 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.129 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.50	9205.83	0.90	-0.90	0.0	1.80	0.0	0.0	0.0	0.0	0.0
Risulta	9205.83									

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	kN		kN		kN			
1	7.776	0.129	0.184	5846.78	63.5	0.0	0.0	0.0	0.0	0.0	0.0
2	8.245	0.121	0.178	0.0	0.0	9205.62	100.0	0.0	0.0	0.0	0.0
3	8.996	0.111	0.169	3358.39	36.5	0.0	0.0	0.0	0.0	0.0	0.0
4	9.581	0.104	0.163	0.0	0.0	0.0	0.0	1398.64	15.2	0.0	0.0
5	11.910	0.084	0.145	0.0	0.0	0.0	0.0	7326.23	79.6	0.0	0.0
6	12.472	0.080	0.142	0.0	0.0	0.09	9.32e-04	4.49e-03	4.88e-05	0.0	0.0
7	12.568	0.080	0.142	0.40	4.30e-03	0.0	0.0	0.0	0.0	0.0	0.0
8	12.894	0.078	0.140	0.0	0.0	1.03e-06	0.0	459.97	5.0	0.0	0.0
9	16.672	0.060	0.124	0.0	0.0	0.05	5.74e-04	2.77e-04	3.01e-06	0.0	0.0
10	18.905	0.053	0.118	0.0	0.0	0.0	0.0	20.74	0.2	0.0	0.0
11	28.226	0.035	0.103	0.16	1.77e-03	0.0	0.0	0.0	0.0	0.0	0.0
12	36.016	0.028	0.096	0.0	0.0	0.06	6.07e-04	0.0	0.0	0.0	0.0
Risulta				9205.73		9205.81		9205.58			
In percentuale				100.00		100.00		100.00			

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CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.185 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.129 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.50	9205.83	0.90	-0.90	1.80	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	9205.83									

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	kN		kN		kN			
1	7.776	0.129	0.184	0.0	0.0	5846.97	63.5	0.0	0.0	0.0	0.0
2	8.245	0.121	0.178	9205.59	100.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8.996	0.111	0.169	0.0	0.0	3358.23	36.5	0.0	0.0	0.0	0.0
4	9.581	0.104	0.163	0.0	0.0	0.0	0.0	1398.64	15.2	0.0	0.0
5	11.910	0.084	0.145	0.0	0.0	0.0	0.0	7326.23	79.6	0.0	0.0
6	12.462	0.080	0.142	0.09	1.02e-03	0.0	0.0	4.38e-03	4.76e-05	0.0	0.0
7	12.546	0.080	0.142	0.0	0.0	0.38	4.15e-03	0.0	0.0	0.0	0.0
8	12.894	0.078	0.140	1.05e-06	0.0	0.0	0.0	459.97	5.0	0.0	0.0
9	16.618	0.060	0.125	0.06	6.68e-04	0.0	0.0	2.46e-04	2.68e-06	0.0	0.0
10	18.905	0.053	0.118	0.0	0.0	0.0	0.0	20.74	0.2	0.0	0.0
11	28.811	0.035	0.102	0.0	0.0	0.15	1.64e-03	0.0	0.0	0.0	0.0
12	34.281	0.029	0.097	0.06	6.90e-04	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				9205.81		9205.73		9205.58			
In percentuale				100.00		100.00		100.00			

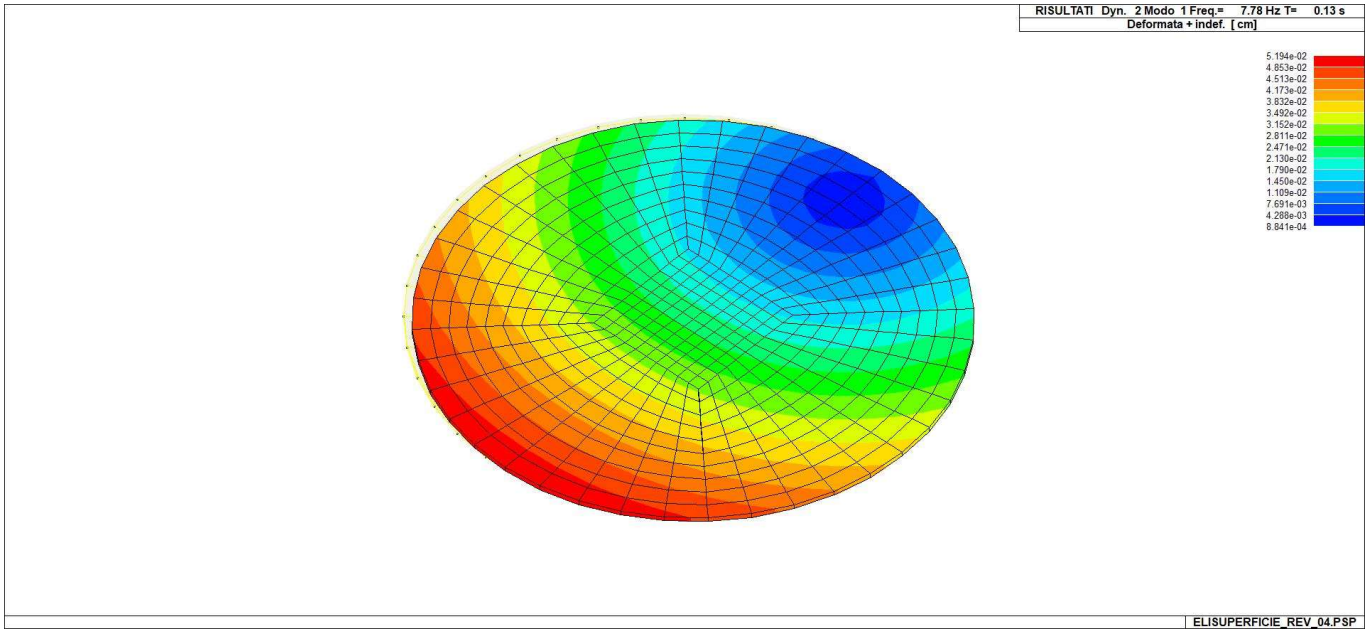
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CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.185 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.129 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

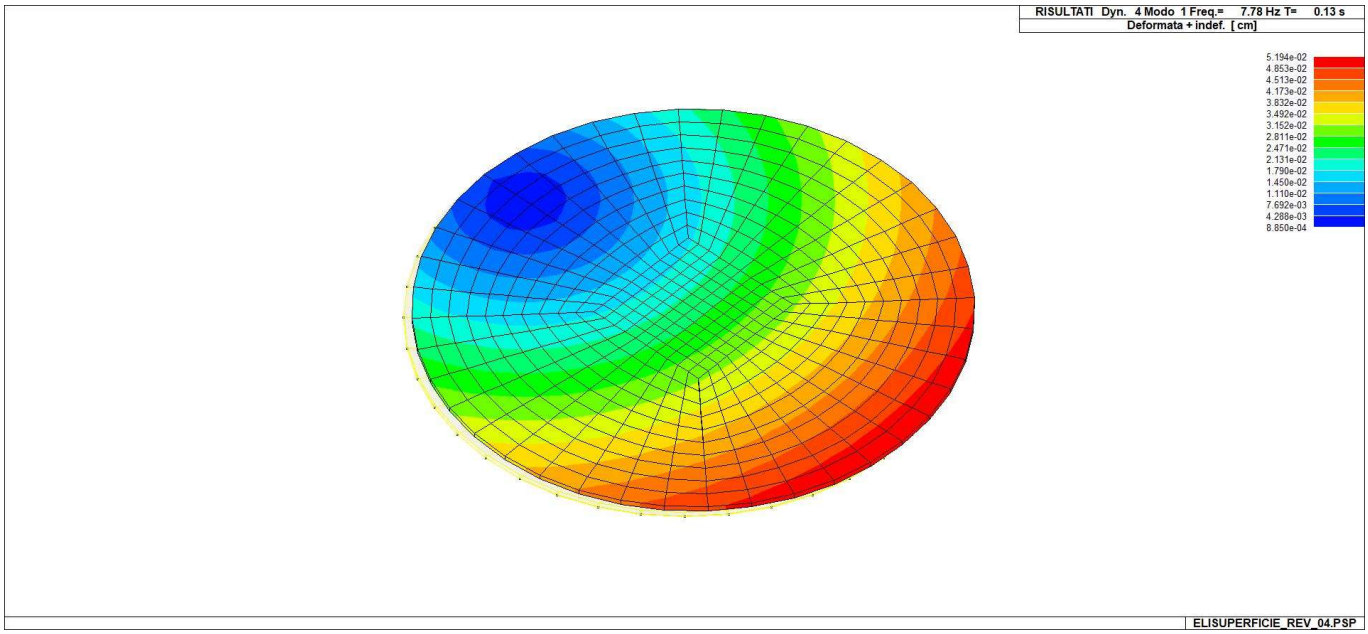
Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.50	9205.83	0.90	-0.90	-1.80	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	9205.83									

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	kN		kN		kN			
1	7.776	0.129	0.184	0.0	0.0	5846.97	63.5	0.0	0.0	0.0	0.0
2	8.245	0.121	0.178	9205.59	100.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8.996	0.111	0.169	0.0	0.0	3358.23	36.5	0.0	0.0	0.0	0.0
4	9.581	0.104	0.163	0.0	0.0	0.0	0.0	1398.64	15.2	0.0	0.0
5	11.910	0.084	0.145	0.0	0.0	0.0	0.0	7326.23	79.6	0.0	0.0
6	12.462	0.080	0.142	0.09	1.02e-03	0.0	0.0	4.38e-03	4.76e-05	0.0	0.0
7	12.546	0.080	0.142	0.0	0.0	0.38	4.15e-03	0.0	0.0	0.0	0.0
8	12.894	0.078	0.140	1.05e-06	0.0	0.0	0.0	459.97	5.0	0.0	0.0
9	16.618	0.060	0.125	0.06	6.68e-04	0.0	0.0	2.46e-04	2.67e-06	0.0	0.0
10	18.905	0.053	0.118	0.0	0.0	0.0	0.0	20.74	0.2	0.0	0.0
11	28.811	0.035	0.102	0.0	0.0	0.15	1.64e-03	0.0	0.0	0.0	0.0
12	34.281	0.029	0.097	0.06	6.90e-04	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				9205.81		9205.73		9205.58			
In percentuale				100.00		100.00		100.00			

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31_RIS_MODOX_001_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)



31_RIS_MODOY_001_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)

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RISULTATI NODALI

LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	4	-1.73e-03	-8.99e-03	-0.39	-9.56e-05	9.42e-05	0.0
1	12	-1.50e-03	-7.79e-03	-0.32	-8.28e-05	8.17e-05	0.0
1	19	-0.14	0.06	-0.28	-6.13e-05	6.28e-05	0.0
1	21	0.11	0.05	-0.29	-6.62e-05	6.41e-05	0.0
1	38	0.07	-0.14	-0.28	-6.36e-05	6.05e-05	0.0
1	51	-0.07	0.03	-0.28	-6.26e-05	6.28e-05	0.0
1	53	0.05	0.02	-0.29	-6.49e-05	6.34e-05	0.0
1	70	0.03	-0.07	-0.28	-6.36e-05	6.17e-05	0.0
1	83	-0.14	0.06	-0.28	-6.13e-05	6.28e-05	0.0
1	102	0.07	-0.14	-0.28	-6.36e-05	6.05e-05	0.0
1	112	-1.15e-03	-5.99e-03	-0.29	-6.37e-05	6.28e-05	0.0
1	116	-1.15e-03	-5.99e-03	-0.29	-6.37e-05	6.28e-05	0.0
1	120	-1.15e-03	-5.99e-03	-0.29	-6.37e-05	6.28e-05	0.0
1	124	-1.15e-03	-5.99e-03	-0.29	-6.37e-05	6.28e-05	0.0
2	4	-1.95e-03	-9.74e-03	-0.40	-1.35e-04	1.07e-04	0.0
2	12	-1.69e-03	-8.44e-03	-0.33	-1.17e-04	9.25e-05	0.0
2	19	-0.14	0.05	-0.29	-8.77e-05	7.17e-05	0.0
2	33	0.06	0.11	-0.29	-9.21e-05	7.38e-05	0.0
2	38	0.07	-0.14	-0.29	-8.96e-05	6.84e-05	0.0
2	51	-0.07	0.02	-0.29	-8.90e-05	7.14e-05	0.0
2	65	0.03	0.05	-0.29	-9.11e-05	7.24e-05	0.0
2	70	0.03	-0.07	-0.29	-8.99e-05	6.99e-05	0.0
2	83	-0.14	0.05	-0.29	-8.77e-05	7.17e-05	0.0
2	102	0.07	-0.14	-0.29	-8.96e-05	6.84e-05	0.0
2	112	-1.30e-03	-6.49e-03	-0.29	-9.02e-05	7.12e-05	0.0
2	116	-1.30e-03	-6.49e-03	-0.29	-9.02e-05	7.12e-05	0.0
2	120	-1.30e-03	-6.49e-03	-0.29	-9.02e-05	7.12e-05	0.0
2	124	-1.30e-03	-6.49e-03	-0.29	-9.02e-05	7.12e-05	0.0
3	4	-2.81e-03	-0.01	-0.41	-1.58e-04	1.56e-04	0.0
3	12	-2.43e-03	-8.82e-03	-0.34	-1.37e-04	1.35e-04	0.0
3	19	-0.13	0.05	-0.30	-1.02e-04	1.04e-04	0.0
3	21	0.11	0.05	-0.30	-1.09e-04	1.05e-04	0.0
3	38	0.06	-0.14	-0.30	-1.06e-04	1.01e-04	0.0
3	51	-0.07	0.02	-0.30	-1.04e-04	1.04e-04	0.0
3	53	0.05	0.02	-0.30	-1.07e-04	1.05e-04	0.0

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3	70	0.03	-0.07	-0.30	-1.06e-04	1.02e-04	0.0
3	83	-0.13	0.05	-0.30	-1.02e-04	1.04e-04	0.0
3	102	0.06	-0.14	-0.30	-1.06e-04	1.01e-04	0.0
3	112	-1.87e-03	-6.78e-03	-0.30	-1.06e-04	1.04e-04	0.0
3	116	-1.87e-03	-6.78e-03	-0.30	-1.06e-04	1.04e-04	0.0
3	120	-1.87e-03	-6.78e-03	-0.30	-1.06e-04	1.04e-04	0.0
3	124	-1.87e-03	-6.78e-03	-0.30	-1.06e-04	1.04e-04	0.0
4	4	-2.43e-03	-9.25e-03	-0.40	-1.09e-04	1.34e-04	0.0
4	12	-2.10e-03	-8.01e-03	-0.33	-9.46e-05	1.16e-04	0.0
4	19	-0.13	0.06	-0.29	-6.99e-05	8.90e-05	0.0
4	21	0.11	0.05	-0.29	-7.55e-05	9.13e-05	0.0
4	38	0.06	-0.14	-0.29	-7.33e-05	8.70e-05	0.0
4	51	-0.07	0.03	-0.29	-7.14e-05	8.92e-05	0.0
4	53	0.05	0.02	-0.29	-7.41e-05	9.03e-05	0.0
4	70	0.03	-0.07	-0.29	-7.30e-05	8.83e-05	0.0
4	83	-0.13	0.06	-0.29	-6.99e-05	8.90e-05	0.0
4	102	0.06	-0.14	-0.29	-7.33e-05	8.70e-05	0.0
4	112	-1.62e-03	-6.16e-03	-0.29	-7.28e-05	8.94e-05	0.0
4	116	-1.62e-03	-6.16e-03	-0.29	-7.28e-05	8.94e-05	0.0
4	120	-1.62e-03	-6.16e-03	-0.29	-7.28e-05	8.94e-05	0.0
4	124	-1.62e-03	-6.16e-03	-0.29	-7.28e-05	8.94e-05	0.0
5	4	-3.84e-03	-0.01	-0.43	-1.65e-04	2.15e-04	0.0
5	12	-3.33e-03	-8.94e-03	-0.35	-1.43e-04	1.86e-04	0.0
5	19	-0.13	0.05	-0.31	-1.06e-04	1.43e-04	0.0
5	21	0.11	0.05	-0.31	-1.13e-04	1.45e-04	0.0
5	38	0.05	-0.14	-0.31	-1.12e-04	1.40e-04	0.0
5	51	-0.06	0.02	-0.31	-1.08e-04	1.43e-04	0.0
5	53	0.05	0.02	-0.31	-1.11e-04	1.44e-04	0.0
5	70	0.02	-0.07	-0.31	-1.11e-04	1.42e-04	0.0
5	83	-0.13	0.05	-0.31	-1.06e-04	1.43e-04	0.0
5	102	0.05	-0.14	-0.31	-1.12e-04	1.40e-04	0.0
5	112	-2.56e-03	-6.87e-03	-0.31	-1.10e-04	1.43e-04	0.0
5	116	-2.56e-03	-6.87e-03	-0.31	-1.10e-04	1.43e-04	0.0
5	120	-2.56e-03	-6.87e-03	-0.31	-1.10e-04	1.43e-04	0.0
5	124	-2.56e-03	-6.87e-03	-0.31	-1.10e-04	1.43e-04	0.0
6	4	-3.21e-03	-9.28e-03	-0.41	-1.10e-04	1.80e-04	0.0
6	12	-2.79e-03	-8.05e-03	-0.33	-9.57e-05	1.56e-04	0.0
6	19	-0.13	0.06	-0.30	-7.04e-05	1.19e-04	0.0
6	21	0.11	0.05	-0.30	-7.57e-05	1.22e-04	0.0
6	38	0.05	-0.14	-0.30	-7.56e-05	1.18e-04	0.0
6	51	-0.06	0.03	-0.30	-7.21e-05	1.19e-04	0.0
6	53	0.05	0.02	-0.30	-7.46e-05	1.21e-04	0.0
6	70	0.02	-0.07	-0.30	-7.46e-05	1.19e-04	0.0
6	83	-0.13	0.06	-0.30	-7.04e-05	1.19e-04	0.0
6	102	0.05	-0.14	-0.30	-7.56e-05	1.18e-04	0.0
6	112	-2.14e-03	-6.19e-03	-0.30	-7.36e-05	1.20e-04	0.0
6	116	-2.14e-03	-6.19e-03	-0.30	-7.36e-05	1.20e-04	0.0
6	120	-2.14e-03	-6.19e-03	-0.30	-7.36e-05	1.20e-04	0.0
6	124	-2.14e-03	-6.19e-03	-0.30	-7.36e-05	1.20e-04	0.0
7	4	-4.91e-03	-9.96e-03	-0.44	-1.44e-04	2.77e-04	0.0
7	12	-4.26e-03	-8.63e-03	-0.36	-1.25e-04	2.40e-04	0.0
7	19	-0.13	0.05	-0.32	-9.17e-05	1.84e-04	0.0
7	21	0.11	0.05	-0.32	-9.78e-05	1.88e-04	0.0
7	38	0.04	-0.14	-0.32	-9.98e-05	1.82e-04	0.0
7	51	-0.06	0.02	-0.32	-9.39e-05	1.84e-04	0.0
7	53	0.05	0.02	-0.32	-9.68e-05	1.86e-04	0.0
7	70	0.02	-0.07	-0.32	-9.78e-05	1.84e-04	0.0
7	83	-0.13	0.05	-0.32	-9.17e-05	1.84e-04	0.0
7	102	0.04	-0.14	-0.32	-9.98e-05	1.82e-04	0.0
7	112	-3.28e-03	-6.64e-03	-0.32	-9.59e-05	1.85e-04	0.0
7	116	-3.28e-03	-6.64e-03	-0.32	-9.59e-05	1.85e-04	0.0
7	120	-3.28e-03	-6.64e-03	-0.32	-9.59e-05	1.85e-04	0.0
7	124	-3.28e-03	-6.64e-03	-0.32	-9.59e-05	1.85e-04	0.0
8	4	-3.98e-03	-9.00e-03	-0.42	-9.34e-05	2.25e-04	0.0
8	12	-3.45e-03	-7.80e-03	-0.34	-8.09e-05	1.95e-04	0.0

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8	19	-0.13	0.06	-0.30	-5.91e-05	1.48e-04	0.0
8	21	0.11	0.05	-0.31	-6.35e-05	1.53e-04	0.0
8	38	0.04	-0.14	-0.30	-6.52e-05	1.48e-04	0.0
8	51	-0.06	0.03	-0.30	-6.07e-05	1.49e-04	0.0
8	53	0.05	0.02	-0.31	-6.29e-05	1.51e-04	0.0
8	70	0.02	-0.07	-0.30	-6.37e-05	1.49e-04	0.0
8	83	-0.13	0.06	-0.30	-5.91e-05	1.48e-04	0.0
8	102	0.04	-0.14	-0.30	-6.52e-05	1.48e-04	0.0
8	112	-2.66e-03	-6.00e-03	-0.30	-6.22e-05	1.50e-04	0.0
8	116	-2.66e-03	-6.00e-03	-0.30	-6.22e-05	1.50e-04	0.0
8	120	-2.66e-03	-6.00e-03	-0.30	-6.22e-05	1.50e-04	0.0
8	124	-2.66e-03	-6.00e-03	-0.30	-6.22e-05	1.50e-04	0.0
9	4	-5.78e-03	-9.01e-03	-0.45	-8.88e-05	3.29e-04	0.0
9	12	-5.01e-03	-7.81e-03	-0.37	-7.69e-05	2.85e-04	0.0
9	19	-0.12	0.05	-0.32	-5.58e-05	2.17e-04	0.0
9	21	0.11	0.05	-0.33	-5.95e-05	2.22e-04	0.0
9	38	0.04	-0.14	-0.33	-6.44e-05	2.18e-04	0.0
9	51	-0.06	0.02	-0.33	-5.76e-05	2.18e-04	0.0
9	53	0.05	0.02	-0.33	-5.93e-05	2.21e-04	0.0
9	70	0.02	-0.07	-0.33	-6.17e-05	2.19e-04	0.0
9	83	-0.12	0.05	-0.32	-5.58e-05	2.17e-04	0.0
9	102	0.04	-0.14	-0.33	-6.44e-05	2.18e-04	0.0
9	112	-3.86e-03	-6.01e-03	-0.33	-5.92e-05	2.19e-04	0.0
9	116	-3.86e-03	-6.01e-03	-0.33	-5.92e-05	2.19e-04	0.0
9	120	-3.86e-03	-6.01e-03	-0.33	-5.92e-05	2.19e-04	0.0
9	124	-3.86e-03	-6.01e-03	-0.33	-5.92e-05	2.19e-04	0.0
10	4	-4.56e-03	-8.35e-03	-0.43	-5.62e-05	2.59e-04	0.0
10	12	-3.96e-03	-7.24e-03	-0.35	-4.87e-05	2.25e-04	0.0
10	19	-0.12	0.06	-0.31	-3.50e-05	1.70e-04	0.0
10	21	0.11	0.05	-0.31	-3.75e-05	1.76e-04	0.0
10	38	0.04	-0.14	-0.31	-4.10e-05	1.73e-04	0.0
10	51	-0.06	0.03	-0.31	-3.63e-05	1.72e-04	0.0
10	53	0.05	0.02	-0.31	-3.75e-05	1.75e-04	0.0
10	70	0.02	-0.07	-0.31	-3.92e-05	1.73e-04	0.0
10	83	-0.12	0.06	-0.31	-3.50e-05	1.70e-04	0.0
10	102	0.04	-0.14	-0.31	-4.10e-05	1.73e-04	0.0
10	112	-3.04e-03	-5.57e-03	-0.31	-3.74e-05	1.73e-04	0.0
10	116	-3.04e-03	-5.57e-03	-0.31	-3.74e-05	1.73e-04	0.0
10	120	-3.04e-03	-5.57e-03	-0.31	-3.74e-05	1.73e-04	0.0
10	124	-3.04e-03	-5.57e-03	-0.31	-3.74e-05	1.73e-04	0.0
11	4	-6.14e-03	-7.59e-03	-0.46	-7.43e-06	3.51e-04	0.0
11	12	-5.32e-03	-6.58e-03	-0.38	-6.44e-06	3.04e-04	0.0
11	22	0.11	-0.01	-0.33	-6.40e-06	2.37e-04	0.0
11	23	-0.12	4.09e-03	-0.33	-3.51e-06	2.31e-04	0.0
11	44	-0.04	-0.14	-0.33	-1.02e-05	2.33e-04	0.0
11	54	0.05	-9.43e-03	-0.33	-5.65e-06	2.36e-04	0.0
11	55	-0.06	-6.90e-04	-0.33	-4.26e-06	2.33e-04	0.0
11	76	-0.02	-0.07	-0.33	-7.48e-06	2.34e-04	0.0
11	87	-0.12	4.09e-03	-0.33	-3.51e-06	2.31e-04	0.0
11	108	-0.04	-0.14	-0.33	-1.02e-05	2.33e-04	0.0
11	112	-4.09e-03	-5.06e-03	-0.33	-4.95e-06	2.34e-04	0.0
11	116	-4.09e-03	-5.06e-03	-0.33	-4.95e-06	2.34e-04	0.0
11	120	-4.09e-03	-5.06e-03	-0.33	-4.95e-06	2.34e-04	0.0
11	124	-4.09e-03	-5.06e-03	-0.33	-4.95e-06	2.34e-04	0.0
12	4	-4.79e-03	-7.45e-03	-0.43	-4.60e-06	2.74e-04	0.0
12	12	-4.15e-03	-6.46e-03	-0.35	-3.98e-06	2.37e-04	0.0
12	22	0.11	-8.06e-03	-0.31	-3.98e-06	1.86e-04	0.0
12	23	-0.12	-1.87e-03	-0.31	-2.15e-06	1.79e-04	0.0
12	44	-0.04	-0.14	-0.31	-6.63e-06	1.82e-04	0.0
12	54	0.05	-6.43e-03	-0.31	-3.50e-06	1.84e-04	0.0
12	55	-0.06	-3.50e-03	-0.31	-2.63e-06	1.81e-04	0.0
12	76	-0.02	-0.07	-0.31	-4.77e-06	1.82e-04	0.0
12	87	-0.12	-1.87e-03	-0.31	-2.15e-06	1.79e-04	0.0
12	108	-0.04	-0.14	-0.31	-6.63e-06	1.82e-04	0.0
12	112	-3.19e-03	-4.97e-03	-0.31	-3.06e-06	1.83e-04	0.0

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12	116	-3.19e-03	-4.97e-03	-0.31	-3.06e-06	1.83e-04	0.0
12	120	-3.19e-03	-4.97e-03	-0.31	-3.06e-06	1.83e-04	0.0
12	124	-3.19e-03	-4.97e-03	-0.31	-3.06e-06	1.83e-04	0.0
13	4	-5.81e-03	-6.12e-03	-0.46	7.68e-05	3.35e-04	0.0
13	7	-5.81e-03	-6.12e-03	-0.28	7.68e-05	3.35e-04	0.0
13	12	-5.03e-03	-5.30e-03	-0.37	6.65e-05	2.90e-04	0.0
13	14	0.11	-0.06	-0.33	5.14e-05	2.26e-04	0.0
13	28	-0.12	-0.06	-0.33	4.78e-05	2.21e-04	0.0
13	44	-0.04	-0.14	-0.33	4.60e-05	2.24e-04	0.0
13	46	0.05	-0.03	-0.33	5.13e-05	2.25e-04	0.0
13	60	-0.06	-0.03	-0.33	4.95e-05	2.22e-04	0.0
13	76	-0.02	-0.07	-0.33	4.87e-05	2.24e-04	0.0
13	92	-0.12	-0.06	-0.33	4.78e-05	2.21e-04	0.0
13	108	-0.04	-0.14	-0.33	4.60e-05	2.24e-04	0.0
13	111	-3.87e-03	-4.08e-03	-0.25	5.12e-05	2.23e-04	0.0
13	112	-3.87e-03	-4.08e-03	-0.33	5.12e-05	2.23e-04	0.0
13	115	-3.87e-03	-4.08e-03	-0.25	5.12e-05	2.23e-04	0.0
13	116	-3.87e-03	-4.08e-03	-0.33	5.12e-05	2.23e-04	0.0
13	119	-3.87e-03	-4.08e-03	-0.25	5.12e-05	2.23e-04	0.0
13	120	-3.87e-03	-4.08e-03	-0.33	5.12e-05	2.23e-04	0.0
13	123	-3.87e-03	-4.08e-03	-0.25	5.12e-05	2.23e-04	0.0
13	124	-3.87e-03	-4.08e-03	-0.33	5.12e-05	2.23e-04	0.0
14	4	-4.57e-03	-6.52e-03	-0.43	4.84e-05	2.63e-04	0.0
14	7	-4.57e-03	-6.52e-03	-0.26	4.84e-05	2.63e-04	0.0
14	12	-3.96e-03	-5.65e-03	-0.35	4.19e-05	2.28e-04	0.0
14	14	0.11	-0.06	-0.31	3.23e-05	1.79e-04	0.0
14	28	-0.12	-0.07	-0.31	2.98e-05	1.73e-04	0.0
14	44	-0.04	-0.14	-0.31	2.87e-05	1.76e-04	0.0
14	46	0.05	-0.03	-0.31	3.23e-05	1.77e-04	0.0
14	60	-0.06	-0.04	-0.31	3.11e-05	1.74e-04	0.0
14	76	-0.02	-0.07	-0.31	3.05e-05	1.76e-04	0.0
14	92	-0.12	-0.07	-0.31	2.98e-05	1.73e-04	0.0
14	108	-0.04	-0.14	-0.31	2.87e-05	1.76e-04	0.0
14	111	-3.04e-03	-4.35e-03	-0.23	3.22e-05	1.76e-04	0.0
14	112	-3.04e-03	-4.35e-03	-0.31	3.22e-05	1.76e-04	0.0
14	115	-3.04e-03	-4.35e-03	-0.23	3.22e-05	1.76e-04	0.0
14	116	-3.04e-03	-4.35e-03	-0.31	3.22e-05	1.76e-04	0.0
14	119	-3.04e-03	-4.35e-03	-0.23	3.22e-05	1.76e-04	0.0
14	120	-3.04e-03	-4.35e-03	-0.31	3.22e-05	1.76e-04	0.0
14	123	-3.04e-03	-4.35e-03	-0.23	3.22e-05	1.76e-04	0.0
14	124	-3.04e-03	-4.35e-03	-0.31	3.22e-05	1.76e-04	0.0
15	4	-4.94e-03	-5.04e-03	-0.45	1.38e-04	2.87e-04	0.0
15	7	-4.94e-03	-5.04e-03	-0.27	1.38e-04	2.87e-04	0.0
15	12	-4.28e-03	-4.37e-03	-0.36	1.19e-04	2.48e-04	0.0
15	14	0.11	-0.06	-0.32	9.37e-05	1.94e-04	0.0
15	28	-0.13	-0.06	-0.32	8.76e-05	1.90e-04	0.0
15	44	-0.05	-0.14	-0.32	8.78e-05	1.94e-04	0.0
15	46	0.05	-0.03	-0.32	9.27e-05	1.92e-04	0.0
15	60	-0.06	-0.03	-0.32	8.98e-05	1.91e-04	0.0
15	76	-0.03	-0.07	-0.32	8.99e-05	1.92e-04	0.0
15	92	-0.13	-0.06	-0.32	8.76e-05	1.90e-04	0.0
15	108	-0.05	-0.14	-0.32	8.78e-05	1.94e-04	0.0
15	111	-3.29e-03	-3.36e-03	-0.24	9.18e-05	1.91e-04	0.0
15	112	-3.29e-03	-3.36e-03	-0.32	9.18e-05	1.91e-04	0.0
15	115	-3.29e-03	-3.36e-03	-0.24	9.18e-05	1.91e-04	0.0
15	116	-3.29e-03	-3.36e-03	-0.32	9.18e-05	1.91e-04	0.0
15	119	-3.29e-03	-3.36e-03	-0.24	9.18e-05	1.91e-04	0.0
15	120	-3.29e-03	-3.36e-03	-0.32	9.18e-05	1.91e-04	0.0
15	123	-3.29e-03	-3.36e-03	-0.24	9.18e-05	1.91e-04	0.0
15	124	-3.29e-03	-3.36e-03	-0.32	9.18e-05	1.91e-04	0.0
16	4	-3.98e-03	-5.81e-03	-0.42	8.89e-05	2.31e-04	0.0
16	7	-3.98e-03	-5.81e-03	-0.25	8.89e-05	2.31e-04	0.0
16	12	-3.45e-03	-5.04e-03	-0.34	7.70e-05	2.00e-04	0.0
16	14	0.11	-0.06	-0.31	6.05e-05	1.57e-04	0.0
16	28	-0.13	-0.07	-0.30	5.61e-05	1.52e-04	0.0

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16	44	-0.05	-0.14	-0.31	5.63e-05	1.56e-04	0.0
16	46	0.05	-0.03	-0.31	5.99e-05	1.56e-04	0.0
16	60	-0.06	-0.04	-0.30	5.77e-05	1.53e-04	0.0
16	76	-0.03	-0.07	-0.31	5.78e-05	1.55e-04	0.0
16	92	-0.13	-0.07	-0.30	5.61e-05	1.52e-04	0.0
16	108	-0.05	-0.14	-0.31	5.63e-05	1.56e-04	0.0
16	111	-2.65e-03	-3.88e-03	-0.22	5.92e-05	1.54e-04	0.0
16	112	-2.65e-03	-3.88e-03	-0.31	5.92e-05	1.54e-04	0.0
16	115	-2.65e-03	-3.88e-03	-0.22	5.92e-05	1.54e-04	0.0
16	116	-2.65e-03	-3.88e-03	-0.31	5.92e-05	1.54e-04	0.0
16	119	-2.65e-03	-3.88e-03	-0.22	5.92e-05	1.54e-04	0.0
16	120	-2.65e-03	-3.88e-03	-0.31	5.92e-05	1.54e-04	0.0
16	123	-2.65e-03	-3.88e-03	-0.22	5.92e-05	1.54e-04	0.0
16	124	-2.65e-03	-3.88e-03	-0.31	5.92e-05	1.54e-04	0.0
17	4	-3.84e-03	-4.56e-03	-0.43	1.64e-04	2.24e-04	0.0
17	7	-3.84e-03	-4.56e-03	-0.26	1.64e-04	2.24e-04	0.0
17	12	-3.33e-03	-3.95e-03	-0.35	1.42e-04	1.95e-04	0.0
17	14	0.11	-0.06	-0.31	1.12e-04	1.52e-04	0.0
17	28	-0.13	-0.06	-0.31	1.05e-04	1.50e-04	0.0
17	44	-0.06	-0.14	-0.31	1.07e-04	1.53e-04	0.0
17	46	0.05	-0.03	-0.31	1.11e-04	1.51e-04	0.0
17	60	-0.06	-0.03	-0.31	1.08e-04	1.50e-04	0.0
17	76	-0.03	-0.07	-0.31	1.08e-04	1.51e-04	0.0
17	92	-0.13	-0.06	-0.31	1.05e-04	1.50e-04	0.0
17	108	-0.06	-0.14	-0.31	1.07e-04	1.53e-04	0.0
17	111	-2.56e-03	-3.04e-03	-0.23	1.10e-04	1.50e-04	0.0
17	112	-2.56e-03	-3.04e-03	-0.31	1.10e-04	1.50e-04	0.0
17	115	-2.56e-03	-3.04e-03	-0.23	1.10e-04	1.50e-04	0.0
17	116	-2.56e-03	-3.04e-03	-0.31	1.10e-04	1.50e-04	0.0
17	119	-2.56e-03	-3.04e-03	-0.23	1.10e-04	1.50e-04	0.0
17	120	-2.56e-03	-3.04e-03	-0.31	1.10e-04	1.50e-04	0.0
17	123	-2.56e-03	-3.04e-03	-0.23	1.10e-04	1.50e-04	0.0
17	124	-2.56e-03	-3.04e-03	-0.31	1.10e-04	1.50e-04	0.0
18	4	-3.19e-03	-5.45e-03	-0.41	1.09e-04	1.87e-04	0.0
18	7	-3.19e-03	-5.45e-03	-0.24	1.09e-04	1.87e-04	0.0
18	12	-2.76e-03	-4.72e-03	-0.34	9.48e-05	1.62e-04	0.0
18	14	0.11	-0.06	-0.30	7.50e-05	1.27e-04	0.0
18	28	-0.13	-0.07	-0.30	6.97e-05	1.24e-04	0.0
18	44	-0.06	-0.14	-0.30	7.10e-05	1.27e-04	0.0
18	46	0.05	-0.03	-0.30	7.40e-05	1.26e-04	0.0
18	60	-0.06	-0.04	-0.30	7.14e-05	1.24e-04	0.0
18	76	-0.03	-0.07	-0.30	7.20e-05	1.26e-04	0.0
18	92	-0.13	-0.07	-0.30	6.97e-05	1.24e-04	0.0
18	108	-0.06	-0.14	-0.30	7.10e-05	1.27e-04	0.0
18	111	-2.12e-03	-3.63e-03	-0.22	7.29e-05	1.25e-04	0.0
18	112	-2.12e-03	-3.63e-03	-0.30	7.29e-05	1.25e-04	0.0
18	115	-2.12e-03	-3.63e-03	-0.22	7.29e-05	1.25e-04	0.0
18	116	-2.12e-03	-3.63e-03	-0.30	7.29e-05	1.25e-04	0.0
18	119	-2.12e-03	-3.63e-03	-0.22	7.29e-05	1.25e-04	0.0
18	120	-2.12e-03	-3.63e-03	-0.30	7.29e-05	1.25e-04	0.0
18	123	-2.12e-03	-3.63e-03	-0.22	7.29e-05	1.25e-04	0.0
18	124	-2.12e-03	-3.63e-03	-0.30	7.29e-05	1.25e-04	0.0
19	4	-2.78e-03	-4.59e-03	-0.42	1.61e-04	1.64e-04	0.0
19	7	-2.78e-03	-4.59e-03	-0.24	1.61e-04	1.64e-04	0.0
19	12	-2.41e-03	-3.98e-03	-0.34	1.40e-04	1.42e-04	0.0
19	14	0.11	-0.06	-0.30	1.11e-04	1.11e-04	0.0
19	28	-0.13	-0.06	-0.30	1.04e-04	1.10e-04	0.0
19	44	-0.06	-0.14	-0.30	1.07e-04	1.13e-04	0.0
19	46	0.05	-0.03	-0.30	1.09e-04	1.10e-04	0.0
19	60	-0.07	-0.03	-0.30	1.06e-04	1.10e-04	0.0
19	76	-0.03	-0.07	-0.30	1.07e-04	1.11e-04	0.0
19	92	-0.13	-0.06	-0.30	1.04e-04	1.10e-04	0.0
19	108	-0.06	-0.14	-0.30	1.07e-04	1.13e-04	0.0
19	111	-1.85e-03	-3.06e-03	-0.22	1.08e-04	1.09e-04	0.0
19	112	-1.85e-03	-3.06e-03	-0.30	1.08e-04	1.09e-04	0.0

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19	115	-1.85e-03	-3.06e-03	-0.22	1.08e-04	1.09e-04	0.0
19	116	-1.85e-03	-3.06e-03	-0.30	1.08e-04	1.09e-04	0.0
19	119	-1.85e-03	-3.06e-03	-0.22	1.08e-04	1.09e-04	0.0
19	120	-1.85e-03	-3.06e-03	-0.30	1.08e-04	1.09e-04	0.0
19	123	-1.85e-03	-3.06e-03	-0.22	1.08e-04	1.09e-04	0.0
19	124	-1.85e-03	-3.06e-03	-0.30	1.08e-04	1.09e-04	0.0
20	4	-2.37e-03	-5.41e-03	-0.40	1.11e-04	1.41e-04	0.0
20	7	-2.37e-03	-5.41e-03	-0.23	1.11e-04	1.41e-04	0.0
20	12	-2.06e-03	-4.69e-03	-0.33	9.60e-05	1.22e-04	0.0
20	14	0.11	-0.06	-0.29	7.66e-05	9.58e-05	0.0
20	28	-0.13	-0.07	-0.29	7.10e-05	9.35e-05	0.0
20	44	-0.06	-0.14	-0.29	7.33e-05	9.64e-05	0.0
20	46	0.05	-0.03	-0.29	7.52e-05	9.48e-05	0.0
20	60	-0.06	-0.04	-0.29	7.25e-05	9.37e-05	0.0
20	76	-0.03	-0.07	-0.29	7.36e-05	9.51e-05	0.0
20	92	-0.13	-0.07	-0.29	7.10e-05	9.35e-05	0.0
20	108	-0.06	-0.14	-0.29	7.33e-05	9.64e-05	0.0
20	111	-1.58e-03	-3.61e-03	-0.21	7.38e-05	9.39e-05	0.0
20	112	-1.58e-03	-3.61e-03	-0.29	7.38e-05	9.39e-05	0.0
20	115	-1.58e-03	-3.61e-03	-0.21	7.38e-05	9.39e-05	0.0
20	116	-1.58e-03	-3.61e-03	-0.29	7.38e-05	9.39e-05	0.0
20	119	-1.58e-03	-3.61e-03	-0.21	7.38e-05	9.39e-05	0.0
20	120	-1.58e-03	-3.61e-03	-0.29	7.38e-05	9.39e-05	0.0
20	123	-1.58e-03	-3.61e-03	-0.21	7.38e-05	9.39e-05	0.0
20	124	-1.58e-03	-3.61e-03	-0.29	7.38e-05	9.39e-05	0.0
21	4	-1.89e-03	-4.94e-03	-0.40	1.40e-04	1.13e-04	0.0
21	7	-1.89e-03	-4.94e-03	-0.23	1.40e-04	1.13e-04	0.0
21	12	-1.64e-03	-4.28e-03	-0.33	1.21e-04	9.81e-05	0.0
21	28	-0.14	-0.06	-0.29	9.08e-05	7.60e-05	0.0
21	30	0.06	-0.12	-0.29	9.51e-05	7.81e-05	0.0
21	44	-0.07	-0.14	-0.29	9.38e-05	7.82e-05	0.0
21	60	-0.07	-0.03	-0.29	9.20e-05	7.57e-05	0.0
21	62	0.03	-0.06	-0.29	9.41e-05	7.67e-05	0.0
21	76	-0.03	-0.07	-0.29	9.35e-05	7.68e-05	0.0
21	92	-0.14	-0.06	-0.29	9.08e-05	7.60e-05	0.0
21	108	-0.07	-0.14	-0.29	9.38e-05	7.82e-05	0.0
21	111	-1.26e-03	-3.29e-03	-0.21	9.32e-05	7.55e-05	0.0
21	112	-1.26e-03	-3.29e-03	-0.29	9.32e-05	7.55e-05	0.0
21	115	-1.26e-03	-3.29e-03	-0.21	9.32e-05	7.55e-05	0.0
21	116	-1.26e-03	-3.29e-03	-0.29	9.32e-05	7.55e-05	0.0
21	119	-1.26e-03	-3.29e-03	-0.21	9.32e-05	7.55e-05	0.0
21	120	-1.26e-03	-3.29e-03	-0.29	9.32e-05	7.55e-05	0.0
21	123	-1.26e-03	-3.29e-03	-0.21	9.32e-05	7.55e-05	0.0
21	124	-1.26e-03	-3.29e-03	-0.29	9.32e-05	7.55e-05	0.0
22	4	-1.65e-03	-5.60e-03	-0.39	9.85e-05	9.98e-05	0.0
22	7	-1.65e-03	-5.60e-03	-0.22	9.85e-05	9.98e-05	0.0
22	12	-1.43e-03	-4.86e-03	-0.32	8.54e-05	8.65e-05	0.0
22	14	0.11	-0.06	-0.29	6.82e-05	6.78e-05	0.0
22	28	-0.14	-0.07	-0.29	6.33e-05	6.65e-05	0.0
22	44	-0.07	-0.14	-0.29	6.58e-05	6.89e-05	0.0
22	46	0.05	-0.03	-0.29	6.69e-05	6.71e-05	0.0
22	60	-0.07	-0.04	-0.29	6.45e-05	6.65e-05	0.0
22	76	-0.03	-0.07	-0.29	6.57e-05	6.77e-05	0.0
22	92	-0.14	-0.07	-0.29	6.33e-05	6.65e-05	0.0
22	108	-0.07	-0.14	-0.29	6.58e-05	6.89e-05	0.0
22	111	-1.10e-03	-3.74e-03	-0.21	6.57e-05	6.66e-05	0.0
22	112	-1.10e-03	-3.74e-03	-0.29	6.57e-05	6.66e-05	0.0
22	115	-1.10e-03	-3.74e-03	-0.21	6.57e-05	6.66e-05	0.0
22	116	-1.10e-03	-3.74e-03	-0.29	6.57e-05	6.66e-05	0.0
22	119	-1.10e-03	-3.74e-03	-0.21	6.57e-05	6.66e-05	0.0
22	120	-1.10e-03	-3.74e-03	-0.29	6.57e-05	6.66e-05	0.0
22	123	-1.10e-03	-3.74e-03	-0.21	6.57e-05	6.66e-05	0.0
22	124	-1.10e-03	-3.74e-03	-0.29	6.57e-05	6.66e-05	0.0
23	4	-1.94e-03	-0.01	-0.41	-1.80e-04	1.07e-04	0.0
23	12	-1.68e-03	-9.16e-03	-0.33	-1.56e-04	9.24e-05	0.0

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23	19	-0.14	0.05	-0.30	-1.18e-04	7.31e-05	0.0
23	33	0.06	0.10	-0.30	-1.23e-04	7.31e-05	0.0
23	38	0.07	-0.13	-0.30	-1.19e-04	6.80e-05	0.0
23	51	-0.07	0.02	-0.30	-1.19e-04	7.20e-05	0.0
23	65	0.03	0.05	-0.30	-1.21e-04	7.20e-05	0.0
23	70	0.03	-0.07	-0.30	-1.19e-04	6.96e-05	0.0
23	83	-0.14	0.05	-0.30	-1.18e-04	7.31e-05	0.0
23	102	0.07	-0.13	-0.30	-1.19e-04	6.80e-05	0.0
23	112	-1.29e-03	-7.05e-03	-0.30	-1.20e-04	7.11e-05	0.0
23	116	-1.29e-03	-7.05e-03	-0.30	-1.20e-04	7.11e-05	0.0
23	120	-1.29e-03	-7.05e-03	-0.30	-1.20e-04	7.11e-05	0.0
23	124	-1.29e-03	-7.05e-03	-0.30	-1.20e-04	7.11e-05	0.0
24	4	-2.88e-03	-0.01	-0.43	-2.17e-04	1.60e-04	0.0
24	12	-2.49e-03	-9.77e-03	-0.35	-1.88e-04	1.39e-04	0.0
24	19	-0.13	0.05	-0.31	-1.42e-04	1.09e-04	0.0
24	33	0.05	0.10	-0.31	-1.47e-04	1.10e-04	0.0
24	38	0.06	-0.13	-0.31	-1.45e-04	1.03e-04	0.0
24	51	-0.07	0.02	-0.31	-1.43e-04	1.08e-04	0.0
24	65	0.02	0.05	-0.31	-1.46e-04	1.08e-04	0.0
24	70	0.03	-0.07	-0.31	-1.45e-04	1.05e-04	0.0
24	83	-0.13	0.05	-0.31	-1.42e-04	1.09e-04	0.0
24	102	0.06	-0.13	-0.31	-1.45e-04	1.03e-04	0.0
24	112	-1.92e-03	-7.51e-03	-0.31	-1.45e-04	1.07e-04	0.0
24	116	-1.92e-03	-7.51e-03	-0.31	-1.45e-04	1.07e-04	0.0
24	120	-1.92e-03	-7.51e-03	-0.31	-1.45e-04	1.07e-04	0.0
24	124	-1.92e-03	-7.51e-03	-0.31	-1.45e-04	1.07e-04	0.0
25	4	-4.10e-03	-0.01	-0.45	-2.35e-04	2.30e-04	0.0
25	12	-3.55e-03	-0.01	-0.37	-2.04e-04	1.99e-04	0.0
25	19	-0.13	0.05	-0.32	-1.53e-04	1.56e-04	0.0
25	21	0.11	0.04	-0.33	-1.60e-04	1.53e-04	0.0
25	38	0.05	-0.13	-0.32	-1.57e-04	1.49e-04	0.0
25	51	-0.06	0.02	-0.32	-1.55e-04	1.54e-04	0.0
25	53	0.05	0.02	-0.32	-1.58e-04	1.53e-04	0.0
25	70	0.02	-0.07	-0.32	-1.57e-04	1.51e-04	0.0
25	83	-0.13	0.05	-0.32	-1.53e-04	1.56e-04	0.0
25	102	0.05	-0.13	-0.32	-1.57e-04	1.49e-04	0.0
25	112	-2.73e-03	-7.75e-03	-0.32	-1.57e-04	1.53e-04	0.0
25	116	-2.73e-03	-7.75e-03	-0.32	-1.57e-04	1.53e-04	0.0
25	120	-2.73e-03	-7.75e-03	-0.32	-1.57e-04	1.53e-04	0.0
25	124	-2.73e-03	-7.75e-03	-0.32	-1.57e-04	1.53e-04	0.0
26	4	-5.50e-03	-0.01	-0.47	-2.14e-04	3.10e-04	0.0
26	12	-4.77e-03	-9.79e-03	-0.39	-1.86e-04	2.69e-04	0.0
26	19	-0.13	0.05	-0.34	-1.37e-04	2.07e-04	0.0
26	21	0.11	0.04	-0.34	-1.46e-04	2.09e-04	0.0
26	38	0.04	-0.13	-0.34	-1.48e-04	2.03e-04	0.0
26	51	-0.06	0.02	-0.34	-1.40e-04	2.07e-04	0.0
26	53	0.05	0.02	-0.34	-1.44e-04	2.08e-04	0.0
26	70	0.02	-0.07	-0.34	-1.45e-04	2.05e-04	0.0
26	83	-0.13	0.05	-0.34	-1.37e-04	2.07e-04	0.0
26	102	0.04	-0.13	-0.34	-1.48e-04	2.03e-04	0.0
26	112	-3.67e-03	-7.53e-03	-0.34	-1.43e-04	2.07e-04	0.0
26	116	-3.67e-03	-7.53e-03	-0.34	-1.43e-04	2.07e-04	0.0
26	120	-3.67e-03	-7.53e-03	-0.34	-1.43e-04	2.07e-04	0.0
26	124	-3.67e-03	-7.53e-03	-0.34	-1.43e-04	2.07e-04	0.0
27	4	-6.76e-03	-9.99e-03	-0.49	-1.38e-04	3.83e-04	0.0
27	12	-5.86e-03	-8.66e-03	-0.40	-1.20e-04	3.32e-04	0.0
27	19	-0.12	0.05	-0.35	-8.73e-05	2.55e-04	0.0
27	21	0.11	0.04	-0.35	-9.25e-05	2.58e-04	0.0
27	38	0.04	-0.13	-0.35	-9.94e-05	2.53e-04	0.0
27	51	-0.06	0.02	-0.35	-8.98e-05	2.55e-04	0.0
27	53	0.05	0.02	-0.35	-9.23e-05	2.57e-04	0.0
27	70	0.01	-0.07	-0.35	-9.56e-05	2.55e-04	0.0
27	83	-0.12	0.05	-0.35	-8.73e-05	2.55e-04	0.0
27	102	0.04	-0.13	-0.35	-9.94e-05	2.53e-04	0.0
27	112	-4.50e-03	-6.66e-03	-0.35	-9.20e-05	2.56e-04	0.0

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27	116	-4.50e-03	-6.66e-03	-0.35	-9.20e-05	2.56e-04	0.0
27	120	-4.50e-03	-6.66e-03	-0.35	-9.20e-05	2.56e-04	0.0
27	124	-4.50e-03	-6.66e-03	-0.35	-9.20e-05	2.56e-04	0.0
28	4	-7.31e-03	-7.80e-03	-0.49	-1.23e-05	4.18e-04	0.0
28	12	-6.34e-03	-6.76e-03	-0.41	-1.06e-05	3.62e-04	0.0
28	22	0.11	-0.02	-0.36	-1.04e-05	2.81e-04	0.0
28	28	-0.12	-0.06	-0.35	-1.07e-05	2.77e-04	0.0
28	44	-0.04	-0.13	-0.35	-1.60e-05	2.78e-04	0.0
28	54	0.05	-0.01	-0.35	-9.25e-06	2.80e-04	0.0
28	60	-0.06	-0.03	-0.35	-9.38e-06	2.78e-04	0.0
28	76	-0.02	-0.07	-0.35	-1.19e-05	2.79e-04	0.0
28	92	-0.12	-0.06	-0.35	-1.07e-05	2.77e-04	0.0
28	108	-0.04	-0.13	-0.35	-1.60e-05	2.78e-04	0.0
28	112	-4.87e-03	-5.20e-03	-0.35	-8.19e-06	2.79e-04	0.0
28	116	-4.87e-03	-5.20e-03	-0.35	-8.19e-06	2.79e-04	0.0
28	120	-4.87e-03	-5.20e-03	-0.35	-8.19e-06	2.79e-04	0.0
28	124	-4.87e-03	-5.20e-03	-0.35	-8.19e-06	2.79e-04	0.0
29	4	-6.81e-03	-5.48e-03	-0.49	1.20e-04	3.93e-04	0.0
29	7	-6.81e-03	-5.48e-03	-0.32	1.20e-04	3.93e-04	0.0
29	12	-5.90e-03	-4.75e-03	-0.40	1.04e-04	3.40e-04	0.0
29	14	0.11	-0.05	-0.35	8.07e-05	2.64e-04	0.0
29	28	-0.12	-0.06	-0.35	7.55e-05	2.61e-04	0.0
29	44	-0.05	-0.13	-0.35	7.28e-05	2.64e-04	0.0
29	46	0.05	-0.03	-0.35	8.05e-05	2.63e-04	0.0
29	60	-0.06	-0.03	-0.35	7.79e-05	2.61e-04	0.0
29	76	-0.02	-0.06	-0.35	7.67e-05	2.63e-04	0.0
29	92	-0.12	-0.06	-0.35	7.55e-05	2.61e-04	0.0
29	108	-0.05	-0.13	-0.35	7.28e-05	2.64e-04	0.0
29	111	-4.54e-03	-3.65e-03	-0.27	8.02e-05	2.62e-04	0.0
29	112	-4.54e-03	-3.65e-03	-0.35	8.02e-05	2.62e-04	0.0
29	115	-4.54e-03	-3.65e-03	-0.27	8.02e-05	2.62e-04	0.0
29	116	-4.54e-03	-3.65e-03	-0.35	8.02e-05	2.62e-04	0.0
29	119	-4.54e-03	-3.65e-03	-0.27	8.02e-05	2.62e-04	0.0
29	120	-4.54e-03	-3.65e-03	-0.35	8.02e-05	2.62e-04	0.0
29	123	-4.54e-03	-3.65e-03	-0.27	8.02e-05	2.62e-04	0.0
29	124	-4.54e-03	-3.65e-03	-0.35	8.02e-05	2.62e-04	0.0
30	4	-5.55e-03	-3.94e-03	-0.47	2.07e-04	3.22e-04	0.0
30	7	-5.55e-03	-3.94e-03	-0.30	2.07e-04	3.22e-04	0.0
30	12	-4.81e-03	-3.41e-03	-0.39	1.80e-04	2.79e-04	0.0
30	14	0.11	-0.05	-0.34	1.41e-04	2.17e-04	0.0
30	28	-0.13	-0.06	-0.34	1.33e-04	2.15e-04	0.0
30	44	-0.05	-0.13	-0.34	1.33e-04	2.19e-04	0.0
30	46	0.05	-0.03	-0.34	1.39e-04	2.16e-04	0.0
30	60	-0.06	-0.03	-0.34	1.35e-04	2.15e-04	0.0
30	76	-0.03	-0.06	-0.34	1.36e-04	2.17e-04	0.0
30	92	-0.13	-0.06	-0.34	1.33e-04	2.15e-04	0.0
30	108	-0.05	-0.13	-0.34	1.33e-04	2.19e-04	0.0
30	111	-3.70e-03	-2.62e-03	-0.26	1.38e-04	2.15e-04	0.0
30	112	-3.70e-03	-2.62e-03	-0.34	1.38e-04	2.15e-04	0.0
30	115	-3.70e-03	-2.62e-03	-0.26	1.38e-04	2.15e-04	0.0
30	116	-3.70e-03	-2.62e-03	-0.34	1.38e-04	2.15e-04	0.0
30	119	-3.70e-03	-2.62e-03	-0.26	1.38e-04	2.15e-04	0.0
30	120	-3.70e-03	-2.62e-03	-0.34	1.38e-04	2.15e-04	0.0
30	123	-3.70e-03	-2.62e-03	-0.26	1.38e-04	2.15e-04	0.0
30	124	-3.70e-03	-2.62e-03	-0.34	1.38e-04	2.15e-04	0.0
31	4	-4.13e-03	-3.40e-03	-0.45	2.36e-04	2.41e-04	0.0
31	7	-4.13e-03	-3.40e-03	-0.28	2.36e-04	2.41e-04	0.0
31	12	-3.58e-03	-2.95e-03	-0.37	2.04e-04	2.09e-04	0.0
31	14	0.11	-0.05	-0.33	1.61e-04	1.60e-04	0.0
31	28	-0.13	-0.06	-0.32	1.53e-04	1.63e-04	0.0
31	44	-0.06	-0.13	-0.33	1.57e-04	1.65e-04	0.0
31	46	0.05	-0.03	-0.33	1.59e-04	1.60e-04	0.0
31	60	-0.06	-0.03	-0.33	1.55e-04	1.62e-04	0.0
31	76	-0.03	-0.06	-0.33	1.57e-04	1.63e-04	0.0
31	92	-0.13	-0.06	-0.32	1.53e-04	1.63e-04	0.0

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31	108	-0.06	-0.13	-0.33	1.57e-04	1.65e-04	0.0
31	111	-2.75e-03	-2.27e-03	-0.25	1.57e-04	1.61e-04	0.0
31	112	-2.75e-03	-2.27e-03	-0.33	1.57e-04	1.61e-04	0.0
31	115	-2.75e-03	-2.27e-03	-0.25	1.57e-04	1.61e-04	0.0
31	116	-2.75e-03	-2.27e-03	-0.33	1.57e-04	1.61e-04	0.0
31	119	-2.75e-03	-2.27e-03	-0.25	1.57e-04	1.61e-04	0.0
31	120	-2.75e-03	-2.27e-03	-0.33	1.57e-04	1.61e-04	0.0
31	123	-2.75e-03	-2.27e-03	-0.25	1.57e-04	1.61e-04	0.0
31	124	-2.75e-03	-2.27e-03	-0.33	1.57e-04	1.61e-04	0.0
32	4	-2.87e-03	-3.59e-03	-0.43	2.22e-04	1.69e-04	0.0
32	7	-2.87e-03	-3.59e-03	-0.26	2.22e-04	1.69e-04	0.0
32	12	-2.49e-03	-3.11e-03	-0.35	1.93e-04	1.46e-04	0.0
32	28	-0.13	-0.06	-0.31	1.45e-04	1.15e-04	0.0
32	30	0.05	-0.11	-0.31	1.50e-04	1.15e-04	0.0
32	44	-0.06	-0.13	-0.31	1.48e-04	1.17e-04	0.0
32	60	-0.07	-0.03	-0.31	1.47e-04	1.14e-04	0.0
32	62	0.02	-0.06	-0.31	1.49e-04	1.14e-04	0.0
32	76	-0.03	-0.06	-0.31	1.48e-04	1.15e-04	0.0
32	92	-0.13	-0.06	-0.31	1.45e-04	1.15e-04	0.0
32	108	-0.06	-0.13	-0.31	1.48e-04	1.17e-04	0.0
32	111	-1.92e-03	-2.40e-03	-0.23	1.48e-04	1.13e-04	0.0
32	112	-1.92e-03	-2.40e-03	-0.31	1.48e-04	1.13e-04	0.0
32	115	-1.92e-03	-2.40e-03	-0.23	1.48e-04	1.13e-04	0.0
32	116	-1.92e-03	-2.40e-03	-0.31	1.48e-04	1.13e-04	0.0
32	119	-1.92e-03	-2.40e-03	-0.23	1.48e-04	1.13e-04	0.0
32	120	-1.92e-03	-2.40e-03	-0.31	1.48e-04	1.13e-04	0.0
32	123	-1.92e-03	-2.40e-03	-0.23	1.48e-04	1.13e-04	0.0
32	124	-1.92e-03	-2.40e-03	-0.31	1.48e-04	1.13e-04	0.0
33	4	-1.90e-03	-4.17e-03	-0.41	1.87e-04	1.13e-04	0.0
33	7	-1.90e-03	-4.17e-03	-0.24	1.87e-04	1.13e-04	0.0
33	12	-1.65e-03	-3.62e-03	-0.34	1.62e-04	9.81e-05	0.0
33	28	-0.14	-0.06	-0.30	1.22e-04	7.74e-05	0.0
33	30	0.06	-0.11	-0.30	1.27e-04	7.74e-05	0.0
33	44	-0.07	-0.13	-0.30	1.26e-04	7.86e-05	0.0
33	60	-0.07	-0.03	-0.30	1.23e-04	7.64e-05	0.0
33	62	0.03	-0.06	-0.30	1.26e-04	7.64e-05	0.0
33	76	-0.03	-0.06	-0.30	1.25e-04	7.70e-05	0.0
33	92	-0.14	-0.06	-0.30	1.22e-04	7.74e-05	0.0
33	108	-0.07	-0.13	-0.30	1.26e-04	7.86e-05	0.0
33	111	-1.27e-03	-2.78e-03	-0.22	1.24e-04	7.55e-05	0.0
33	112	-1.27e-03	-2.78e-03	-0.30	1.24e-04	7.55e-05	0.0
33	115	-1.27e-03	-2.78e-03	-0.22	1.24e-04	7.55e-05	0.0
33	116	-1.27e-03	-2.78e-03	-0.30	1.24e-04	7.55e-05	0.0
33	119	-1.27e-03	-2.78e-03	-0.22	1.24e-04	7.55e-05	0.0
33	120	-1.27e-03	-2.78e-03	-0.30	1.24e-04	7.55e-05	0.0
33	123	-1.27e-03	-2.78e-03	-0.22	1.24e-04	7.55e-05	0.0
33	124	-1.27e-03	-2.78e-03	-0.30	1.24e-04	7.55e-05	0.0
34	4	-1.60e-03	-0.01	-0.42	-2.24e-04	8.84e-05	0.0
34	12	-1.39e-03	-9.86e-03	-0.34	-1.94e-04	7.66e-05	0.0
34	19	-0.14	0.04	-0.30	-1.48e-04	6.18e-05	0.0
34	33	0.06	0.10	-0.31	-1.52e-04	6.01e-05	0.0
34	38	0.07	-0.13	-0.30	-1.47e-04	5.59e-05	0.0
34	51	-0.07	0.01	-0.30	-1.48e-04	6.03e-05	0.0
34	65	0.03	0.05	-0.30	-1.51e-04	5.95e-05	0.0
34	70	0.03	-0.07	-0.30	-1.48e-04	5.75e-05	0.0
34	83	-0.14	0.04	-0.30	-1.48e-04	6.18e-05	0.0
34	102	0.07	-0.13	-0.30	-1.47e-04	5.59e-05	0.0
34	112	-1.07e-03	-7.59e-03	-0.30	-1.49e-04	5.89e-05	0.0
34	116	-1.07e-03	-7.59e-03	-0.30	-1.49e-04	5.89e-05	0.0
34	120	-1.07e-03	-7.59e-03	-0.30	-1.49e-04	5.89e-05	0.0
34	124	-1.07e-03	-7.59e-03	-0.30	-1.49e-04	5.89e-05	0.0
35	4	-2.45e-03	-0.01	-0.44	-2.78e-04	1.37e-04	0.0
35	12	-2.13e-03	-0.01	-0.36	-2.41e-04	1.19e-04	0.0
35	19	-0.13	0.04	-0.32	-1.83e-04	9.52e-05	0.0
35	33	0.05	0.10	-0.32	-1.88e-04	9.30e-05	0.0

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35	38	0.06	-0.13	-0.32	-1.84e-04	8.73e-05	0.0
35	51	-0.07	0.01	-0.32	-1.84e-04	9.32e-05	0.0
35	65	0.02	0.05	-0.32	-1.87e-04	9.21e-05	0.0
35	70	0.03	-0.07	-0.32	-1.85e-04	8.94e-05	0.0
35	83	-0.13	0.04	-0.32	-1.83e-04	9.52e-05	0.0
35	102	0.06	-0.13	-0.32	-1.84e-04	8.73e-05	0.0
35	112	-1.64e-03	-8.27e-03	-0.32	-1.85e-04	9.13e-05	0.0
35	116	-1.64e-03	-8.27e-03	-0.32	-1.85e-04	9.13e-05	0.0
35	120	-1.64e-03	-8.27e-03	-0.32	-1.85e-04	9.13e-05	0.0
35	124	-1.64e-03	-8.27e-03	-0.32	-1.85e-04	9.13e-05	0.0
36	4	-3.66e-03	-0.01	-0.47	-3.15e-04	2.06e-04	0.0
36	12	-3.17e-03	-0.01	-0.39	-2.73e-04	1.78e-04	0.0
36	19	-0.13	0.04	-0.34	-2.06e-04	1.42e-04	0.0
36	33	0.05	0.10	-0.34	-2.12e-04	1.40e-04	0.0
36	38	0.05	-0.13	-0.34	-2.10e-04	1.32e-04	0.0
36	51	-0.06	0.01	-0.34	-2.08e-04	1.39e-04	0.0
36	65	0.02	0.05	-0.34	-2.11e-04	1.38e-04	0.0
36	70	0.02	-0.07	-0.34	-2.10e-04	1.35e-04	0.0
36	83	-0.13	0.04	-0.34	-2.06e-04	1.42e-04	0.0
36	102	0.05	-0.13	-0.34	-2.10e-04	1.32e-04	0.0
36	112	-2.44e-03	-8.74e-03	-0.34	-2.10e-04	1.37e-04	0.0
36	116	-2.44e-03	-8.74e-03	-0.34	-2.10e-04	1.37e-04	0.0
36	120	-2.44e-03	-8.74e-03	-0.34	-2.10e-04	1.37e-04	0.0
36	124	-2.44e-03	-8.74e-03	-0.34	-2.10e-04	1.37e-04	0.0
37	4	-5.25e-03	-0.01	-0.50	-3.05e-04	2.96e-04	0.0
37	12	-4.55e-03	-0.01	-0.41	-2.65e-04	2.56e-04	0.0
37	19	-0.13	0.04	-0.35	-1.97e-04	2.03e-04	0.0
37	33	0.04	0.10	-0.36	-2.01e-04	2.01e-04	0.0
37	38	0.04	-0.13	-0.35	-2.09e-04	1.91e-04	0.0
37	51	-0.06	0.01	-0.36	-2.00e-04	2.00e-04	0.0
37	65	0.02	0.05	-0.36	-2.02e-04	1.99e-04	0.0
37	70	0.02	-0.07	-0.36	-2.06e-04	1.94e-04	0.0
37	83	-0.13	0.04	-0.35	-1.97e-04	2.03e-04	0.0
37	102	0.04	-0.13	-0.35	-2.09e-04	1.91e-04	0.0
37	112	-3.50e-03	-8.68e-03	-0.36	-2.04e-04	1.97e-04	0.0
37	116	-3.50e-03	-8.68e-03	-0.36	-2.04e-04	1.97e-04	0.0
37	120	-3.50e-03	-8.68e-03	-0.36	-2.04e-04	1.97e-04	0.0
37	124	-3.50e-03	-8.68e-03	-0.36	-2.04e-04	1.97e-04	0.0
38	4	-6.96e-03	-0.01	-0.52	-2.12e-04	3.94e-04	0.0
38	7	-6.96e-03	-0.01	-0.35	-2.12e-04	3.94e-04	0.0
38	12	-6.03e-03	-9.93e-03	-0.43	-1.84e-04	3.41e-04	0.0
38	19	-0.12	0.04	-0.37	-1.34e-04	2.66e-04	0.0
38	21	0.11	0.04	-0.37	-1.43e-04	2.61e-04	0.0
38	38	0.04	-0.13	-0.37	-1.52e-04	2.57e-04	0.0
38	51	-0.06	0.01	-0.37	-1.38e-04	2.64e-04	0.0
38	53	0.05	0.01	-0.37	-1.42e-04	2.62e-04	0.0
38	70	0.01	-0.07	-0.37	-1.46e-04	2.60e-04	0.0
38	83	-0.12	0.04	-0.37	-1.34e-04	2.66e-04	0.0
38	102	0.04	-0.13	-0.37	-1.52e-04	2.57e-04	0.0
38	111	-4.64e-03	-7.64e-03	-0.29	-1.41e-04	2.62e-04	0.0
38	112	-4.64e-03	-7.64e-03	-0.37	-1.41e-04	2.62e-04	0.0
38	115	-4.64e-03	-7.64e-03	-0.29	-1.41e-04	2.62e-04	0.0
38	116	-4.64e-03	-7.64e-03	-0.37	-1.41e-04	2.62e-04	0.0
38	119	-4.64e-03	-7.64e-03	-0.29	-1.41e-04	2.62e-04	0.0
38	120	-4.64e-03	-7.64e-03	-0.37	-1.41e-04	2.62e-04	0.0
38	123	-4.64e-03	-7.64e-03	-0.29	-1.41e-04	2.62e-04	0.0
38	124	-4.64e-03	-7.64e-03	-0.37	-1.41e-04	2.62e-04	0.0
39	4	-7.83e-03	-8.22e-03	-0.53	-2.38e-05	4.48e-04	0.0
39	7	-7.83e-03	-8.22e-03	-0.36	-2.38e-05	4.48e-04	0.0
39	12	-6.78e-03	-7.13e-03	-0.44	-2.06e-05	3.88e-04	0.0
39	22	0.11	-0.03	-0.38	-1.93e-05	2.96e-04	0.0
39	28	-0.12	-0.05	-0.38	-1.95e-05	3.01e-04	0.0
39	44	-0.04	-0.13	-0.38	-2.77e-05	2.99e-04	0.0
39	54	0.05	-0.02	-0.38	-1.75e-05	2.97e-04	0.0
39	60	-0.06	-0.03	-0.38	-1.76e-05	3.00e-04	0.0

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39	76	-0.02	-0.06	-0.38	-2.15e-05	2.99e-04	0.0
39	92	-0.12	-0.05	-0.38	-1.95e-05	3.01e-04	0.0
39	108	-0.04	-0.13	-0.38	-2.77e-05	2.99e-04	0.0
39	111	-5.22e-03	-5.48e-03	-0.30	-1.58e-05	2.98e-04	0.0
39	112	-5.22e-03	-5.48e-03	-0.38	-1.58e-05	2.98e-04	0.0
39	115	-5.22e-03	-5.48e-03	-0.30	-1.58e-05	2.98e-04	0.0
39	116	-5.22e-03	-5.48e-03	-0.38	-1.58e-05	2.98e-04	0.0
39	119	-5.22e-03	-5.48e-03	-0.30	-1.58e-05	2.98e-04	0.0
39	120	-5.22e-03	-5.48e-03	-0.38	-1.58e-05	2.98e-04	0.0
39	123	-5.22e-03	-5.48e-03	-0.30	-1.58e-05	2.98e-04	0.0
39	124	-5.22e-03	-5.48e-03	-0.38	-1.58e-05	2.98e-04	0.0
40	4	-7.02e-03	-4.47e-03	-0.53	1.88e-04	4.06e-04	0.0
40	7	-7.02e-03	-4.47e-03	-0.35	1.88e-04	4.06e-04	0.0
40	12	-6.09e-03	-3.88e-03	-0.43	1.63e-04	3.52e-04	0.0
40	14	0.11	-0.05	-0.38	1.27e-04	2.69e-04	0.0
40	28	-0.12	-0.05	-0.37	1.18e-04	2.75e-04	0.0
40	44	-0.05	-0.13	-0.37	1.15e-04	2.76e-04	0.0
40	46	0.05	-0.02	-0.38	1.26e-04	2.70e-04	0.0
40	60	-0.06	-0.03	-0.37	1.22e-04	2.73e-04	0.0
40	76	-0.02	-0.06	-0.37	1.20e-04	2.73e-04	0.0
40	92	-0.12	-0.05	-0.37	1.18e-04	2.75e-04	0.0
40	108	-0.05	-0.13	-0.37	1.15e-04	2.76e-04	0.0
40	111	-4.68e-03	-2.98e-03	-0.29	1.25e-04	2.71e-04	0.0
40	112	-4.68e-03	-2.98e-03	-0.37	1.25e-04	2.71e-04	0.0
40	115	-4.68e-03	-2.98e-03	-0.29	1.25e-04	2.71e-04	0.0
40	116	-4.68e-03	-2.98e-03	-0.37	1.25e-04	2.71e-04	0.0
40	119	-4.68e-03	-2.98e-03	-0.29	1.25e-04	2.71e-04	0.0
40	120	-4.68e-03	-2.98e-03	-0.37	1.25e-04	2.71e-04	0.0
40	123	-4.68e-03	-2.98e-03	-0.29	1.25e-04	2.71e-04	0.0
40	124	-4.68e-03	-2.98e-03	-0.37	1.25e-04	2.71e-04	0.0
41	4	-5.32e-03	-2.45e-03	-0.50	2.99e-04	3.08e-04	0.0
41	7	-5.32e-03	-2.45e-03	-0.33	2.99e-04	3.08e-04	0.0
41	12	-4.61e-03	-2.12e-03	-0.41	2.59e-04	2.67e-04	0.0
41	28	-0.13	-0.05	-0.36	1.93e-04	2.12e-04	0.0
41	30	0.04	-0.11	-0.36	1.97e-04	2.09e-04	0.0
41	44	-0.05	-0.12	-0.36	1.94e-04	2.12e-04	0.0
41	60	-0.06	-0.02	-0.36	1.96e-04	2.08e-04	0.0
41	62	0.02	-0.06	-0.36	1.98e-04	2.07e-04	0.0
41	76	-0.03	-0.06	-0.36	1.97e-04	2.09e-04	0.0
41	92	-0.13	-0.05	-0.36	1.93e-04	2.12e-04	0.0
41	108	-0.05	-0.12	-0.36	1.94e-04	2.12e-04	0.0
41	111	-3.54e-03	-1.63e-03	-0.28	1.99e-04	2.06e-04	0.0
41	112	-3.54e-03	-1.63e-03	-0.36	1.99e-04	2.06e-04	0.0
41	115	-3.54e-03	-1.63e-03	-0.28	1.99e-04	2.06e-04	0.0
41	116	-3.54e-03	-1.63e-03	-0.36	1.99e-04	2.06e-04	0.0
41	119	-3.54e-03	-1.63e-03	-0.28	1.99e-04	2.06e-04	0.0
41	120	-3.54e-03	-1.63e-03	-0.36	1.99e-04	2.06e-04	0.0
41	123	-3.54e-03	-1.63e-03	-0.28	1.99e-04	2.06e-04	0.0
41	124	-3.54e-03	-1.63e-03	-0.36	1.99e-04	2.06e-04	0.0
42	4	-3.70e-03	-2.05e-03	-0.47	3.18e-04	2.16e-04	0.0
42	7	-3.70e-03	-2.05e-03	-0.30	3.18e-04	2.16e-04	0.0
42	12	-3.21e-03	-1.78e-03	-0.39	2.75e-04	1.87e-04	0.0
42	28	-0.13	-0.05	-0.34	2.08e-04	1.49e-04	0.0
42	30	0.05	-0.11	-0.34	2.14e-04	1.46e-04	0.0
42	44	-0.06	-0.12	-0.34	2.12e-04	1.49e-04	0.0
42	60	-0.06	-0.02	-0.34	2.10e-04	1.46e-04	0.0
42	62	0.02	-0.06	-0.34	2.13e-04	1.45e-04	0.0
42	76	-0.03	-0.06	-0.34	2.12e-04	1.46e-04	0.0
42	92	-0.13	-0.05	-0.34	2.08e-04	1.49e-04	0.0
42	108	-0.06	-0.12	-0.34	2.12e-04	1.49e-04	0.0
42	111	-2.47e-03	-1.37e-03	-0.26	2.12e-04	1.44e-04	0.0
42	112	-2.47e-03	-1.37e-03	-0.34	2.12e-04	1.44e-04	0.0
42	115	-2.47e-03	-1.37e-03	-0.26	2.12e-04	1.44e-04	0.0
42	116	-2.47e-03	-1.37e-03	-0.34	2.12e-04	1.44e-04	0.0
42	119	-2.47e-03	-1.37e-03	-0.26	2.12e-04	1.44e-04	0.0

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42	120	-2.47e-03	-1.37e-03	-0.34	2.12e-04	1.44e-04	0.0
42	123	-2.47e-03	-1.37e-03	-0.26	2.12e-04	1.44e-04	0.0
42	124	-2.47e-03	-1.37e-03	-0.34	2.12e-04	1.44e-04	0.0
43	4	-2.46e-03	-2.55e-03	-0.45	2.86e-04	1.45e-04	0.0
43	7	-2.46e-03	-2.55e-03	-0.27	2.86e-04	1.45e-04	0.0
43	12	-2.13e-03	-2.21e-03	-0.37	2.48e-04	1.25e-04	0.0
43	28	-0.13	-0.05	-0.32	1.88e-04	1.00e-04	0.0
43	30	0.05	-0.11	-0.32	1.93e-04	9.81e-05	0.0
43	44	-0.06	-0.12	-0.32	1.92e-04	1.00e-04	0.0
43	60	-0.07	-0.02	-0.32	1.89e-04	9.83e-05	0.0
43	62	0.02	-0.06	-0.32	1.92e-04	9.72e-05	0.0
43	76	-0.03	-0.06	-0.32	1.91e-04	9.83e-05	0.0
43	92	-0.13	-0.05	-0.32	1.88e-04	1.00e-04	0.0
43	108	-0.06	-0.12	-0.32	1.92e-04	1.00e-04	0.0
43	111	-1.64e-03	-1.70e-03	-0.24	1.90e-04	9.64e-05	0.0
43	112	-1.64e-03	-1.70e-03	-0.32	1.90e-04	9.64e-05	0.0
43	115	-1.64e-03	-1.70e-03	-0.24	1.90e-04	9.64e-05	0.0
43	116	-1.64e-03	-1.70e-03	-0.32	1.90e-04	9.64e-05	0.0
43	119	-1.64e-03	-1.70e-03	-0.24	1.90e-04	9.64e-05	0.0
43	120	-1.64e-03	-1.70e-03	-0.32	1.90e-04	9.64e-05	0.0
43	123	-1.64e-03	-1.70e-03	-0.24	1.90e-04	9.64e-05	0.0
43	124	-1.64e-03	-1.70e-03	-0.32	1.90e-04	9.64e-05	0.0
44	4	-1.58e-03	-3.42e-03	-0.42	2.32e-04	9.38e-05	0.0
44	7	-1.58e-03	-3.42e-03	-0.25	2.32e-04	9.38e-05	0.0
44	12	-1.37e-03	-2.97e-03	-0.34	2.01e-04	8.13e-05	0.0
44	28	-0.14	-0.05	-0.31	1.53e-04	6.55e-05	0.0
44	30	0.06	-0.11	-0.31	1.58e-04	6.37e-05	0.0
44	44	-0.07	-0.12	-0.31	1.57e-04	6.56e-05	0.0
44	60	-0.07	-0.02	-0.31	1.54e-04	6.40e-05	0.0
44	62	0.03	-0.06	-0.31	1.56e-04	6.31e-05	0.0
44	76	-0.03	-0.06	-0.31	1.56e-04	6.40e-05	0.0
44	92	-0.14	-0.05	-0.31	1.53e-04	6.55e-05	0.0
44	108	-0.07	-0.12	-0.31	1.57e-04	6.56e-05	0.0
44	111	-1.05e-03	-2.28e-03	-0.23	1.55e-04	6.26e-05	0.0
44	112	-1.05e-03	-2.28e-03	-0.31	1.55e-04	6.26e-05	0.0
44	115	-1.05e-03	-2.28e-03	-0.23	1.55e-04	6.26e-05	0.0
44	116	-1.05e-03	-2.28e-03	-0.31	1.55e-04	6.26e-05	0.0
44	119	-1.05e-03	-2.28e-03	-0.23	1.55e-04	6.26e-05	0.0
44	120	-1.05e-03	-2.28e-03	-0.31	1.55e-04	6.26e-05	0.0
44	123	-1.05e-03	-2.28e-03	-0.23	1.55e-04	6.26e-05	0.0
44	124	-1.05e-03	-2.28e-03	-0.31	1.55e-04	6.26e-05	0.0
45	4	-9.15e-04	-0.01	-0.43	-2.56e-04	5.07e-05	0.0
45	12	-7.93e-04	-0.01	-0.35	-2.22e-04	4.39e-05	0.0
45	19	-0.14	0.03	-0.31	-1.71e-04	3.73e-05	0.0
45	33	0.06	0.10	-0.31	-1.74e-04	3.38e-05	0.0
45	38	0.07	-0.13	-0.31	-1.68e-04	3.15e-05	0.0
45	51	-0.07	0.01	-0.31	-1.71e-04	3.55e-05	0.0
45	65	0.03	0.05	-0.31	-1.73e-04	3.38e-05	0.0
45	70	0.03	-0.06	-0.31	-1.69e-04	3.27e-05	0.0
45	83	-0.14	0.03	-0.31	-1.71e-04	3.73e-05	0.0
45	102	0.07	-0.13	-0.31	-1.68e-04	3.15e-05	0.0
45	112	-6.10e-04	-7.99e-03	-0.31	-1.71e-04	3.38e-05	0.0
45	116	-6.10e-04	-7.99e-03	-0.31	-1.71e-04	3.38e-05	0.0
45	120	-6.10e-04	-7.99e-03	-0.31	-1.71e-04	3.38e-05	0.0
45	124	-6.10e-04	-7.99e-03	-0.31	-1.71e-04	3.38e-05	0.0
46	4	-1.44e-03	-0.01	-0.45	-3.27e-04	8.05e-05	0.0
46	12	-1.25e-03	-0.01	-0.37	-2.83e-04	6.98e-05	0.0
46	19	-0.13	0.03	-0.33	-2.17e-04	5.87e-05	0.0
46	33	0.05	0.10	-0.33	-2.21e-04	5.38e-05	0.0
46	38	0.06	-0.13	-0.32	-2.16e-04	5.05e-05	0.0
46	51	-0.06	0.01	-0.33	-2.18e-04	5.61e-05	0.0
46	65	0.02	0.05	-0.33	-2.19e-04	5.37e-05	0.0
46	70	0.03	-0.07	-0.32	-2.17e-04	5.21e-05	0.0
46	83	-0.13	0.03	-0.33	-2.17e-04	5.87e-05	0.0
46	102	0.06	-0.13	-0.32	-2.16e-04	5.05e-05	0.0

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46	112	-9.61e-04	-8.86e-03	-0.33	-2.18e-04	5.37e-05	0.0
46	116	-9.61e-04	-8.86e-03	-0.33	-2.18e-04	5.37e-05	0.0
46	120	-9.61e-04	-8.86e-03	-0.33	-2.18e-04	5.37e-05	0.0
46	124	-9.61e-04	-8.86e-03	-0.33	-2.18e-04	5.37e-05	0.0
47	4	-2.24e-03	-0.01	-0.49	-3.85e-04	1.26e-04	0.0
47	12	-1.94e-03	-0.01	-0.40	-3.34e-04	1.09e-04	0.0
47	19	-0.13	0.03	-0.35	-2.55e-04	9.12e-05	0.0
47	33	0.05	0.10	-0.35	-2.59e-04	8.44e-05	0.0
47	38	0.05	-0.13	-0.35	-2.56e-04	7.97e-05	0.0
47	51	-0.06	9.82e-03	-0.35	-2.56e-04	8.75e-05	0.0
47	65	0.02	0.04	-0.35	-2.58e-04	8.42e-05	0.0
47	70	0.02	-0.07	-0.35	-2.57e-04	8.20e-05	0.0
47	83	-0.13	0.03	-0.35	-2.55e-04	9.12e-05	0.0
47	102	0.05	-0.13	-0.35	-2.56e-04	7.97e-05	0.0
47	112	-1.50e-03	-9.60e-03	-0.35	-2.57e-04	8.41e-05	0.0
47	116	-1.50e-03	-9.60e-03	-0.35	-2.57e-04	8.41e-05	0.0
47	120	-1.50e-03	-9.60e-03	-0.35	-2.57e-04	8.41e-05	0.0
47	124	-1.50e-03	-9.60e-03	-0.35	-2.57e-04	8.41e-05	0.0
48	4	-3.47e-03	-0.01	-0.52	-4.02e-04	1.96e-04	0.0
48	7	-3.47e-03	-0.01	-0.35	-4.02e-04	1.96e-04	0.0
48	12	-3.01e-03	-0.01	-0.43	-3.48e-04	1.70e-04	0.0
48	19	-0.13	0.03	-0.37	-2.64e-04	1.41e-04	0.0
48	33	0.04	0.10	-0.37	-2.67e-04	1.32e-04	0.0
48	38	0.04	-0.13	-0.37	-2.71e-04	1.25e-04	0.0
48	51	-0.06	9.57e-03	-0.37	-2.66e-04	1.36e-04	0.0
48	65	0.02	0.04	-0.37	-2.68e-04	1.31e-04	0.0
48	70	0.02	-0.07	-0.37	-2.70e-04	1.28e-04	0.0
48	83	-0.13	0.03	-0.37	-2.64e-04	1.41e-04	0.0
48	102	0.04	-0.13	-0.37	-2.71e-04	1.25e-04	0.0
48	111	-2.32e-03	-9.87e-03	-0.29	-2.68e-04	1.31e-04	0.0
48	112	-2.32e-03	-9.87e-03	-0.37	-2.68e-04	1.31e-04	0.0
48	115	-2.32e-03	-9.87e-03	-0.29	-2.68e-04	1.31e-04	0.0
48	116	-2.32e-03	-9.87e-03	-0.37	-2.68e-04	1.31e-04	0.0
48	119	-2.32e-03	-9.87e-03	-0.29	-2.68e-04	1.31e-04	0.0
48	120	-2.32e-03	-9.87e-03	-0.37	-2.68e-04	1.31e-04	0.0
48	123	-2.32e-03	-9.87e-03	-0.29	-2.68e-04	1.31e-04	0.0
48	124	-2.32e-03	-9.87e-03	-0.37	-2.68e-04	1.31e-04	0.0
49	4	-5.32e-03	-0.01	-0.56	-3.20e-04	3.02e-04	0.0
49	7	-5.32e-03	-0.01	-0.38	-3.20e-04	3.02e-04	0.0
49	12	-4.61e-03	-0.01	-0.46	-2.77e-04	2.62e-04	0.0
49	19	-0.12	0.03	-0.39	-2.04e-04	2.15e-04	0.0
49	38	0.04	-0.13	-0.39	-2.26e-04	1.92e-04	0.0
49	41	0.02	0.11	-0.40	-2.04e-04	2.03e-04	0.0
49	51	-0.06	0.01	-0.39	-2.09e-04	2.08e-04	0.0
49	70	0.02	-0.07	-0.39	-2.19e-04	1.97e-04	0.0
49	73	9.80e-03	0.05	-0.40	-2.09e-04	2.02e-04	0.0
49	83	-0.12	0.03	-0.39	-2.04e-04	2.15e-04	0.0
49	102	0.04	-0.13	-0.39	-2.26e-04	1.92e-04	0.0
49	111	-3.54e-03	-9.04e-03	-0.31	-2.13e-04	2.01e-04	0.0
49	112	-3.54e-03	-9.04e-03	-0.39	-2.13e-04	2.01e-04	0.0
49	115	-3.54e-03	-9.04e-03	-0.31	-2.13e-04	2.01e-04	0.0
49	116	-3.54e-03	-9.04e-03	-0.39	-2.13e-04	2.01e-04	0.0
49	119	-3.54e-03	-9.04e-03	-0.31	-2.13e-04	2.01e-04	0.0
49	120	-3.54e-03	-9.04e-03	-0.39	-2.13e-04	2.01e-04	0.0
49	123	-3.54e-03	-9.04e-03	-0.31	-2.13e-04	2.01e-04	0.0
49	124	-3.54e-03	-9.04e-03	-0.39	-2.13e-04	2.01e-04	0.0
50	4	-6.54e-03	-9.81e-03	-0.57	-7.28e-05	3.74e-04	0.0
50	7	-6.54e-03	-9.81e-03	-0.40	-7.28e-05	3.74e-04	0.0
50	12	-5.67e-03	-8.50e-03	-0.47	-6.31e-05	3.24e-04	0.0
50	22	0.11	-0.03	-0.41	-5.40e-05	2.41e-04	0.0
50	28	-0.12	-0.05	-0.40	-5.46e-05	2.58e-04	0.0
50	44	-0.04	-0.13	-0.41	-6.80e-05	2.52e-04	0.0
50	54	0.05	-0.02	-0.41	-5.12e-05	2.45e-04	0.0
50	60	-0.06	-0.03	-0.41	-5.15e-05	2.54e-04	0.0
50	76	-0.02	-0.06	-0.41	-5.79e-05	2.51e-04	0.0

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50	92	-0.12	-0.05	-0.40	-5.46e-05	2.58e-04	0.0
50	108	-0.04	-0.13	-0.41	-6.80e-05	2.52e-04	0.0
50	111	-4.36e-03	-6.54e-03	-0.33	-4.86e-05	2.50e-04	0.0
50	112	-4.36e-03	-6.54e-03	-0.41	-4.86e-05	2.50e-04	0.0
50	115	-4.36e-03	-6.54e-03	-0.33	-4.86e-05	2.50e-04	0.0
50	116	-4.36e-03	-6.54e-03	-0.41	-4.86e-05	2.50e-04	0.0
50	119	-4.36e-03	-6.54e-03	-0.33	-4.86e-05	2.50e-04	0.0
50	120	-4.36e-03	-6.54e-03	-0.41	-4.86e-05	2.50e-04	0.0
50	123	-4.36e-03	-6.54e-03	-0.33	-4.86e-05	2.50e-04	0.0
50	124	-4.36e-03	-6.54e-03	-0.41	-4.86e-05	2.50e-04	0.0
51	4	-5.36e-03	-2.88e-03	-0.56	2.90e-04	3.08e-04	0.0
51	7	-5.36e-03	-2.88e-03	-0.39	2.90e-04	3.08e-04	0.0
51	12	-4.64e-03	-2.50e-03	-0.46	2.52e-04	2.67e-04	0.0
51	28	-0.12	-0.04	-0.40	1.85e-04	2.19e-04	0.0
51	38	0.02	-0.12	-0.40	1.84e-04	2.08e-04	0.0
51	44	-0.04	-0.12	-0.40	1.81e-04	2.15e-04	0.0
51	60	-0.06	-0.02	-0.40	1.89e-04	2.12e-04	0.0
51	70	9.77e-03	-0.06	-0.40	1.89e-04	2.07e-04	0.0
51	76	-0.02	-0.06	-0.40	1.88e-04	2.10e-04	0.0
51	92	-0.12	-0.04	-0.40	1.85e-04	2.19e-04	0.0
51	108	-0.04	-0.12	-0.40	1.81e-04	2.15e-04	0.0
51	111	-3.57e-03	-1.92e-03	-0.32	1.94e-04	2.06e-04	0.0
51	112	-3.57e-03	-1.92e-03	-0.40	1.94e-04	2.06e-04	0.0
51	115	-3.57e-03	-1.92e-03	-0.32	1.94e-04	2.06e-04	0.0
51	116	-3.57e-03	-1.92e-03	-0.40	1.94e-04	2.06e-04	0.0
51	119	-3.57e-03	-1.92e-03	-0.32	1.94e-04	2.06e-04	0.0
51	120	-3.57e-03	-1.92e-03	-0.40	1.94e-04	2.06e-04	0.0
51	123	-3.57e-03	-1.92e-03	-0.32	1.94e-04	2.06e-04	0.0
51	124	-3.57e-03	-1.92e-03	-0.40	1.94e-04	2.06e-04	0.0
52	4	-3.52e-03	-8.33e-04	-0.53	3.98e-04	2.04e-04	0.0
52	12	-3.05e-03	-7.22e-04	-0.43	3.45e-04	1.77e-04	0.0
52	28	-0.13	-0.04	-0.37	2.61e-04	1.46e-04	0.0
52	30	0.04	-0.11	-0.38	2.64e-04	1.37e-04	0.0
52	44	-0.05	-0.12	-0.38	2.62e-04	1.42e-04	0.0
52	60	-0.06	-0.02	-0.37	2.63e-04	1.41e-04	0.0
52	62	0.02	-0.05	-0.38	2.65e-04	1.36e-04	0.0
52	76	-0.02	-0.06	-0.38	2.64e-04	1.39e-04	0.0
52	92	-0.13	-0.04	-0.37	2.61e-04	1.46e-04	0.0
52	108	-0.05	-0.12	-0.38	2.62e-04	1.42e-04	0.0
52	112	-2.34e-03	-5.56e-04	-0.37	2.65e-04	1.36e-04	0.0
52	116	-2.34e-03	-5.56e-04	-0.37	2.65e-04	1.36e-04	0.0
52	120	-2.34e-03	-5.56e-04	-0.37	2.65e-04	1.36e-04	0.0
52	124	-2.34e-03	-5.56e-04	-0.37	2.65e-04	1.36e-04	0.0
53	4	-2.27e-03	-8.42e-04	-0.49	3.91e-04	1.32e-04	0.0
53	7	-2.27e-03	-8.42e-04	-0.32	3.91e-04	1.32e-04	0.0
53	12	-1.97e-03	-7.30e-04	-0.40	3.39e-04	1.15e-04	0.0
53	28	-0.13	-0.04	-0.35	2.58e-04	9.53e-05	0.0
53	30	0.05	-0.11	-0.35	2.63e-04	8.85e-05	0.0
53	44	-0.06	-0.12	-0.35	2.61e-04	9.26e-05	0.0
53	60	-0.06	-0.02	-0.35	2.59e-04	9.16e-05	0.0
53	62	0.02	-0.05	-0.35	2.61e-04	8.83e-05	0.0
53	76	-0.03	-0.06	-0.35	2.61e-04	9.03e-05	0.0
53	92	-0.13	-0.04	-0.35	2.58e-04	9.53e-05	0.0
53	108	-0.06	-0.12	-0.35	2.61e-04	9.26e-05	0.0
53	111	-1.51e-03	-5.61e-04	-0.27	2.60e-04	8.82e-05	0.0
53	112	-1.51e-03	-5.61e-04	-0.35	2.60e-04	8.82e-05	0.0
53	115	-1.51e-03	-5.61e-04	-0.27	2.60e-04	8.82e-05	0.0
53	116	-1.51e-03	-5.61e-04	-0.35	2.60e-04	8.82e-05	0.0
53	119	-1.51e-03	-5.61e-04	-0.27	2.60e-04	8.82e-05	0.0
53	120	-1.51e-03	-5.61e-04	-0.35	2.60e-04	8.82e-05	0.0
53	123	-1.51e-03	-5.61e-04	-0.27	2.60e-04	8.82e-05	0.0
53	124	-1.51e-03	-5.61e-04	-0.35	2.60e-04	8.82e-05	0.0
54	4	-1.45e-03	-1.70e-03	-0.46	3.36e-04	8.50e-05	0.0
54	7	-1.45e-03	-1.70e-03	-0.28	3.36e-04	8.50e-05	0.0
54	12	-1.26e-03	-1.48e-03	-0.37	2.92e-04	7.37e-05	0.0

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54	28	-0.13	-0.04	-0.33	2.23e-04	6.17e-05	0.0
54	30	0.05	-0.11	-0.33	2.27e-04	5.68e-05	0.0
54	44	-0.06	-0.12	-0.33	2.26e-04	5.99e-05	0.0
54	60	-0.06	-0.02	-0.33	2.24e-04	5.91e-05	0.0
54	62	0.02	-0.06	-0.33	2.26e-04	5.68e-05	0.0
54	76	-0.03	-0.06	-0.33	2.25e-04	5.82e-05	0.0
54	92	-0.13	-0.04	-0.33	2.23e-04	6.17e-05	0.0
54	108	-0.06	-0.12	-0.33	2.26e-04	5.99e-05	0.0
54	111	-9.67e-04	-1.14e-03	-0.25	2.24e-04	5.67e-05	0.0
54	112	-9.67e-04	-1.14e-03	-0.33	2.24e-04	5.67e-05	0.0
54	115	-9.67e-04	-1.14e-03	-0.25	2.24e-04	5.67e-05	0.0
54	116	-9.67e-04	-1.14e-03	-0.33	2.24e-04	5.67e-05	0.0
54	119	-9.67e-04	-1.14e-03	-0.25	2.24e-04	5.67e-05	0.0
54	120	-9.67e-04	-1.14e-03	-0.33	2.24e-04	5.67e-05	0.0
54	123	-9.67e-04	-1.14e-03	-0.25	2.24e-04	5.67e-05	0.0
54	124	-9.67e-04	-1.14e-03	-0.33	2.24e-04	5.67e-05	0.0
55	4	-9.10e-04	-2.86e-03	-0.43	2.67e-04	5.38e-05	0.0
55	7	-9.10e-04	-2.86e-03	-0.26	2.67e-04	5.38e-05	0.0
55	12	-7.88e-04	-2.47e-03	-0.35	2.31e-04	4.67e-05	0.0
55	28	-0.14	-0.04	-0.31	1.77e-04	3.94e-05	0.0
55	30	0.06	-0.11	-0.31	1.81e-04	3.59e-05	0.0
55	44	-0.07	-0.12	-0.31	1.81e-04	3.82e-05	0.0
55	60	-0.07	-0.02	-0.31	1.78e-04	3.76e-05	0.0
55	62	0.03	-0.06	-0.31	1.79e-04	3.59e-05	0.0
55	76	-0.03	-0.06	-0.31	1.79e-04	3.70e-05	0.0
55	92	-0.14	-0.04	-0.31	1.77e-04	3.94e-05	0.0
55	108	-0.07	-0.12	-0.31	1.81e-04	3.82e-05	0.0
55	111	-6.06e-04	-1.90e-03	-0.23	1.78e-04	3.59e-05	0.0
55	112	-6.06e-04	-1.90e-03	-0.31	1.78e-04	3.59e-05	0.0
55	115	-6.06e-04	-1.90e-03	-0.23	1.78e-04	3.59e-05	0.0
55	116	-6.06e-04	-1.90e-03	-0.31	1.78e-04	3.59e-05	0.0
55	119	-6.06e-04	-1.90e-03	-0.23	1.78e-04	3.59e-05	0.0
55	120	-6.06e-04	-1.90e-03	-0.31	1.78e-04	3.59e-05	0.0
55	123	-6.06e-04	-1.90e-03	-0.23	1.78e-04	3.59e-05	0.0
55	124	-6.06e-04	-1.90e-03	-0.31	1.78e-04	3.59e-05	0.0
56	4	0.0	-0.01	-0.43	-2.69e-04	0.0	0.0
56	12	0.0	-0.01	-0.35	-2.33e-04	0.0	0.0
56	18	0.14	-0.04	-0.31	-1.78e-04	-3.47e-06	0.0
56	41	3.09e-03	0.11	-0.31	-1.82e-04	0.0	0.0
56	44	-3.09e-03	-0.12	-0.31	-1.76e-04	0.0	0.0
56	50	0.07	-0.02	-0.31	-1.79e-04	-1.66e-06	0.0
56	73	1.46e-03	0.05	-0.31	-1.81e-04	0.0	0.0
56	76	-1.46e-03	-0.06	-0.31	-1.77e-04	0.0	0.0
56	82	0.14	-0.04	-0.31	-1.78e-04	-3.47e-06	0.0
56	108	-3.09e-03	-0.12	-0.31	-1.76e-04	0.0	0.0
56	112	0.0	-8.14e-03	-0.31	-1.79e-04	0.0	0.0
56	116	0.0	-8.14e-03	-0.31	-1.79e-04	0.0	0.0
56	120	0.0	-8.14e-03	-0.31	-1.79e-04	0.0	0.0
56	124	0.0	-8.14e-03	-0.31	-1.79e-04	0.0	0.0
57	4	0.0	-0.01	-0.46	-3.46e-04	0.0	0.0
57	7	0.0	-0.01	-0.28	-3.46e-04	0.0	0.0
57	12	0.0	-0.01	-0.37	-3.00e-04	0.0	0.0
57	19	-0.13	0.02	-0.33	-2.32e-04	5.14e-06	0.0
57	41	9.15e-03	0.10	-0.33	-2.34e-04	-1.42e-06	0.0
57	44	-9.15e-03	-0.12	-0.33	-2.28e-04	1.42e-06	0.0
57	51	-0.06	7.24e-03	-0.33	-2.31e-04	2.46e-06	0.0
57	73	4.37e-03	0.05	-0.33	-2.32e-04	0.0	0.0
57	76	-4.37e-03	-0.06	-0.33	-2.29e-04	0.0	0.0
57	83	-0.13	0.02	-0.33	-2.32e-04	5.14e-06	0.0
57	108	-9.15e-03	-0.12	-0.33	-2.28e-04	1.42e-06	0.0
57	111	0.0	-9.10e-03	-0.25	-2.31e-04	0.0	0.0
57	112	0.0	-9.10e-03	-0.33	-2.31e-04	0.0	0.0
57	115	0.0	-9.10e-03	-0.25	-2.31e-04	0.0	0.0
57	116	0.0	-9.10e-03	-0.33	-2.31e-04	0.0	0.0
57	119	0.0	-9.10e-03	-0.25	-2.31e-04	0.0	0.0

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57	120	0.0	-9.10e-03	-0.33	-2.31e-04	0.0	0.0
57	123	0.0	-9.10e-03	-0.25	-2.31e-04	0.0	0.0
57	124	0.0	-9.10e-03	-0.33	-2.31e-04	0.0	0.0
58	4	0.0	-0.01	-0.49	-4.15e-04	0.0	0.0
58	7	0.0	-0.01	-0.32	-4.15e-04	0.0	0.0
58	12	0.0	-0.01	-0.40	-3.60e-04	0.0	0.0
58	19	-0.13	0.02	-0.35	-2.77e-04	7.31e-06	0.0
58	38	0.05	-0.12	-0.35	-2.75e-04	-2.34e-06	0.0
58	41	0.02	0.10	-0.35	-2.79e-04	-2.09e-06	0.0
58	51	-0.06	6.38e-03	-0.35	-2.77e-04	3.50e-06	0.0
58	70	0.03	-0.06	-0.35	-2.76e-04	-1.12e-06	0.0
58	73	7.32e-03	0.04	-0.35	-2.78e-04	-1.00e-06	0.0
58	83	-0.13	0.02	-0.35	-2.77e-04	7.31e-06	0.0
58	102	0.05	-0.12	-0.35	-2.75e-04	-2.34e-06	0.0
58	111	0.0	-9.97e-03	-0.27	-2.77e-04	0.0	0.0
58	112	0.0	-9.97e-03	-0.35	-2.77e-04	0.0	0.0
58	115	0.0	-9.97e-03	-0.27	-2.77e-04	0.0	0.0
58	116	0.0	-9.97e-03	-0.35	-2.77e-04	0.0	0.0
58	119	0.0	-9.97e-03	-0.27	-2.77e-04	0.0	0.0
58	120	0.0	-9.97e-03	-0.35	-2.77e-04	0.0	0.0
58	123	0.0	-9.97e-03	-0.27	-2.77e-04	0.0	0.0
58	124	0.0	-9.97e-03	-0.35	-2.77e-04	0.0	0.0
59	4	0.0	-0.02	-0.53	-4.50e-04	0.0	0.0
59	7	0.0	-0.02	-0.36	-4.50e-04	0.0	0.0
59	12	0.0	-0.01	-0.44	-3.90e-04	0.0	0.0
59	19	-0.12	0.02	-0.38	-2.99e-04	1.14e-05	0.0
59	38	0.05	-0.12	-0.38	-3.02e-04	-3.32e-06	0.0
59	41	0.02	0.10	-0.38	-2.98e-04	-3.61e-06	0.0
59	51	-0.06	5.91e-03	-0.38	-3.00e-04	5.48e-06	0.0
59	70	0.02	-0.07	-0.38	-3.01e-04	-1.59e-06	0.0
59	73	0.01	0.04	-0.38	-2.99e-04	-1.73e-06	0.0
59	83	-0.12	0.02	-0.38	-2.99e-04	1.14e-05	0.0
59	102	0.05	-0.12	-0.38	-3.02e-04	-3.32e-06	0.0
59	111	0.0	-0.01	-0.30	-3.00e-04	0.0	0.0
59	112	0.0	-0.01	-0.38	-3.00e-04	0.0	0.0
59	115	0.0	-0.01	-0.30	-3.00e-04	0.0	0.0
59	116	0.0	-0.01	-0.38	-3.00e-04	0.0	0.0
59	119	0.0	-0.01	-0.30	-3.00e-04	0.0	0.0
59	120	0.0	-0.01	-0.38	-3.00e-04	0.0	0.0
59	123	0.0	-0.01	-0.30	-3.00e-04	0.0	0.0
59	124	0.0	-0.01	-0.38	-3.00e-04	0.0	0.0
60	4	0.0	-0.01	-0.57	-3.90e-04	0.0	0.0
60	7	0.0	-0.01	-0.40	-3.90e-04	0.0	0.0
60	12	0.0	-0.01	-0.47	-3.38e-04	0.0	0.0
60	19	-0.12	0.02	-0.41	-2.58e-04	1.46e-05	0.0
60	38	0.04	-0.12	-0.40	-2.65e-04	-4.27e-06	0.0
60	41	0.03	0.10	-0.41	-2.55e-04	-4.54e-06	0.0
60	51	-0.06	6.55e-03	-0.40	-2.59e-04	7.00e-06	0.0
60	70	0.02	-0.06	-0.40	-2.62e-04	-2.05e-06	0.0
60	73	0.01	0.04	-0.41	-2.57e-04	-2.18e-06	0.0
60	83	-0.12	0.02	-0.41	-2.58e-04	1.46e-05	0.0
60	102	0.04	-0.12	-0.40	-2.65e-04	-4.27e-06	0.0
60	111	0.0	-9.85e-03	-0.32	-2.60e-04	0.0	0.0
60	112	0.0	-9.85e-03	-0.40	-2.60e-04	0.0	0.0
60	115	0.0	-9.85e-03	-0.32	-2.60e-04	0.0	0.0
60	116	0.0	-9.85e-03	-0.40	-2.60e-04	0.0	0.0
60	119	0.0	-9.85e-03	-0.32	-2.60e-04	0.0	0.0
60	120	0.0	-9.85e-03	-0.40	-2.60e-04	0.0	0.0
60	123	0.0	-9.85e-03	-0.32	-2.60e-04	0.0	0.0
60	124	0.0	-9.85e-03	-0.40	-2.60e-04	0.0	0.0
61	4	0.0	-8.70e-03	-0.60	-3.68e-05	0.0	0.0
61	7	0.0	-8.70e-03	-0.43	-3.68e-05	0.0	0.0
61	12	0.0	-7.54e-03	-0.50	-3.19e-05	0.0	0.0
61	18	0.11	-0.04	-0.42	-3.63e-05	-3.58e-05	0.0
61	25	0.11	0.03	-0.42	-1.28e-05	-3.58e-05	0.0

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61	44	-0.03	-0.12	-0.42	-6.36e-05	1.07e-05	0.0
61	50	0.06	-0.02	-0.42	-3.02e-05	-1.72e-05	0.0
61	57	0.06	0.01	-0.42	-1.89e-05	-1.72e-05	0.0
61	76	-0.02	-0.06	-0.42	-4.33e-05	5.15e-06	0.0
61	89	0.11	0.03	-0.42	-1.28e-05	-3.58e-05	0.0
61	108	-0.03	-0.12	-0.42	-6.36e-05	1.07e-05	0.0
61	111	0.0	-5.80e-03	-0.34	-2.46e-05	0.0	0.0
61	112	0.0	-5.80e-03	-0.42	-2.46e-05	0.0	0.0
61	115	0.0	-5.80e-03	-0.34	-2.46e-05	0.0	0.0
61	116	0.0	-5.80e-03	-0.42	-2.46e-05	0.0	0.0
61	119	0.0	-5.80e-03	-0.34	-2.46e-05	0.0	0.0
61	120	0.0	-5.80e-03	-0.42	-2.46e-05	0.0	0.0
61	123	0.0	-5.80e-03	-0.34	-2.46e-05	0.0	0.0
61	124	0.0	-5.80e-03	-0.42	-2.46e-05	0.0	0.0
62	4	0.0	-1.69e-03	-0.58	3.59e-04	0.0	0.0
62	7	0.0	-1.69e-03	-0.40	3.59e-04	0.0	0.0
62	12	0.0	-1.47e-03	-0.48	3.11e-04	0.0	0.0
62	25	0.12	0.03	-0.41	2.41e-04	-1.46e-05	0.0
62	38	0.03	-0.12	-0.41	2.34e-04	-4.54e-06	0.0
62	44	-0.04	-0.12	-0.41	2.34e-04	4.27e-06	0.0
62	57	0.06	0.02	-0.41	2.40e-04	-7.00e-06	0.0
62	70	0.01	-0.06	-0.41	2.37e-04	-2.18e-06	0.0
62	76	-0.02	-0.06	-0.41	2.37e-04	2.05e-06	0.0
62	89	0.12	0.03	-0.41	2.41e-04	-1.46e-05	0.0
62	108	-0.04	-0.12	-0.41	2.34e-04	4.27e-06	0.0
62	111	0.0	-1.13e-03	-0.33	2.39e-04	0.0	0.0
62	112	0.0	-1.13e-03	-0.41	2.39e-04	0.0	0.0
62	115	0.0	-1.13e-03	-0.33	2.39e-04	0.0	0.0
62	116	0.0	-1.13e-03	-0.41	2.39e-04	0.0	0.0
62	119	0.0	-1.13e-03	-0.33	2.39e-04	0.0	0.0
62	120	0.0	-1.13e-03	-0.41	2.39e-04	0.0	0.0
62	123	0.0	-1.13e-03	-0.33	2.39e-04	0.0	0.0
62	124	0.0	-1.13e-03	-0.41	2.39e-04	0.0	0.0
63	4	0.0	-2.89e-05	-0.54	4.45e-04	0.0	0.0
63	7	0.0	-2.89e-05	-0.36	4.45e-04	0.0	0.0
63	12	0.0	-2.51e-05	-0.44	3.86e-04	0.0	0.0
63	25	0.12	0.03	-0.38	2.98e-04	-1.14e-05	0.0
63	38	0.02	-0.11	-0.38	2.95e-04	-3.61e-06	0.0
63	44	-0.05	-0.11	-0.38	2.95e-04	3.32e-06	0.0
63	57	0.06	0.02	-0.38	2.97e-04	-5.48e-06	0.0
63	70	0.01	-0.05	-0.38	2.96e-04	-1.73e-06	0.0
63	76	-0.02	-0.05	-0.38	2.96e-04	1.59e-06	0.0
63	89	0.12	0.03	-0.38	2.98e-04	-1.14e-05	0.0
63	108	-0.05	-0.11	-0.38	2.95e-04	3.32e-06	0.0
63	111	0.0	-1.93e-05	-0.30	2.97e-04	0.0	0.0
63	112	0.0	-1.93e-05	-0.38	2.97e-04	0.0	0.0
63	115	0.0	-1.93e-05	-0.30	2.97e-04	0.0	0.0
63	116	0.0	-1.93e-05	-0.38	2.97e-04	0.0	0.0
63	119	0.0	-1.93e-05	-0.30	2.97e-04	0.0	0.0
63	120	0.0	-1.93e-05	-0.38	2.97e-04	0.0	0.0
63	123	0.0	-1.93e-05	-0.30	2.97e-04	0.0	0.0
63	124	0.0	-1.93e-05	-0.38	2.97e-04	0.0	0.0
64	4	0.0	-3.30e-04	-0.50	4.21e-04	0.0	0.0
64	7	0.0	-3.30e-04	-0.32	4.21e-04	0.0	0.0
64	12	0.0	-2.86e-04	-0.41	3.65e-04	0.0	0.0
64	25	0.13	0.03	-0.35	2.80e-04	-7.31e-06	0.0
64	38	0.02	-0.11	-0.36	2.83e-04	-2.09e-06	0.0
64	44	-0.05	-0.11	-0.36	2.83e-04	2.34e-06	0.0
64	57	0.06	0.02	-0.35	2.81e-04	-3.50e-06	0.0
64	70	7.32e-03	-0.05	-0.36	2.82e-04	-1.00e-06	0.0
64	76	-0.03	-0.05	-0.36	2.82e-04	1.12e-06	0.0
64	89	0.13	0.03	-0.35	2.80e-04	-7.31e-06	0.0
64	108	-0.05	-0.11	-0.36	2.83e-04	2.34e-06	0.0
64	111	0.0	-2.20e-04	-0.27	2.81e-04	0.0	0.0
64	112	0.0	-2.20e-04	-0.35	2.81e-04	0.0	0.0

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64	115	0.0	-2.20e-04	-0.27	2.81e-04	0.0	0.0
64	116	0.0	-2.20e-04	-0.35	2.81e-04	0.0	0.0
64	119	0.0	-2.20e-04	-0.27	2.81e-04	0.0	0.0
64	120	0.0	-2.20e-04	-0.35	2.81e-04	0.0	0.0
64	123	0.0	-2.20e-04	-0.27	2.81e-04	0.0	0.0
64	124	0.0	-2.20e-04	-0.35	2.81e-04	0.0	0.0
65	4	0.0	-1.37e-03	-0.46	3.56e-04	0.0	0.0
65	7	0.0	-1.37e-03	-0.29	3.56e-04	0.0	0.0
65	12	0.0	-1.19e-03	-0.38	3.09e-04	0.0	0.0
65	25	0.13	0.03	-0.33	2.37e-04	-5.14e-06	0.0
65	38	9.15e-03	-0.11	-0.33	2.41e-04	-1.42e-06	0.0
65	57	0.06	0.02	-0.33	2.37e-04	-2.46e-06	0.0
65	70	4.37e-03	-0.06	-0.33	2.39e-04	0.0	0.0
65	89	0.13	0.03	-0.33	2.37e-04	-5.14e-06	0.0
65	102	9.15e-03	-0.11	-0.33	2.41e-04	-1.42e-06	0.0
65	111	0.0	-9.16e-04	-0.25	2.38e-04	0.0	0.0
65	112	0.0	-9.16e-04	-0.33	2.38e-04	0.0	0.0
65	115	0.0	-9.16e-04	-0.25	2.38e-04	0.0	0.0
65	116	0.0	-9.16e-04	-0.33	2.38e-04	0.0	0.0
65	119	0.0	-9.16e-04	-0.25	2.38e-04	0.0	0.0
65	120	0.0	-9.16e-04	-0.33	2.38e-04	0.0	0.0
65	123	0.0	-9.16e-04	-0.25	2.38e-04	0.0	0.0
65	124	0.0	-9.16e-04	-0.33	2.38e-04	0.0	0.0
66	4	0.0	-2.64e-03	-0.43	2.80e-04	0.0	0.0
66	7	0.0	-2.64e-03	-0.26	2.80e-04	0.0	0.0
66	12	0.0	-2.29e-03	-0.35	2.42e-04	0.0	0.0
66	28	-0.14	-0.04	-0.31	1.87e-04	3.47e-06	0.0
66	38	3.09e-03	-0.12	-0.31	1.90e-04	0.0	0.0
66	60	-0.07	-0.02	-0.31	1.87e-04	1.66e-06	0.0
66	70	1.46e-03	-0.06	-0.31	1.88e-04	0.0	0.0
66	92	-0.14	-0.04	-0.31	1.87e-04	3.47e-06	0.0
66	102	3.09e-03	-0.12	-0.31	1.90e-04	0.0	0.0
66	111	0.0	-1.76e-03	-0.23	1.86e-04	0.0	0.0
66	112	0.0	-1.76e-03	-0.31	1.86e-04	0.0	0.0
66	115	0.0	-1.76e-03	-0.23	1.86e-04	0.0	0.0
66	116	0.0	-1.76e-03	-0.31	1.86e-04	0.0	0.0
66	119	0.0	-1.76e-03	-0.23	1.86e-04	0.0	0.0
66	120	0.0	-1.76e-03	-0.31	1.86e-04	0.0	0.0
66	123	0.0	-1.76e-03	-0.23	1.86e-04	0.0	0.0
66	124	0.0	-1.76e-03	-0.31	1.86e-04	0.0	0.0
67	4	9.15e-04	-0.01	-0.43	-2.56e-04	-5.07e-05	0.0
67	12	7.93e-04	-0.01	-0.35	-2.22e-04	-4.39e-05	0.0
67	13	0.14	0.03	-0.31	-1.71e-04	-3.73e-05	0.0
67	32	-0.07	-0.13	-0.31	-1.68e-04	-3.15e-05	0.0
67	43	-0.06	0.10	-0.31	-1.74e-04	-3.38e-05	0.0
67	45	0.07	0.01	-0.31	-1.71e-04	-3.55e-05	0.0
67	64	-0.03	-0.06	-0.31	-1.69e-04	-3.27e-05	0.0
67	75	-0.03	0.05	-0.31	-1.73e-04	-3.38e-05	0.0
67	77	0.14	0.03	-0.31	-1.71e-04	-3.73e-05	0.0
67	96	-0.07	-0.13	-0.31	-1.68e-04	-3.15e-05	0.0
67	112	6.10e-04	-7.99e-03	-0.31	-1.71e-04	-3.38e-05	0.0
67	116	6.10e-04	-7.99e-03	-0.31	-1.71e-04	-3.38e-05	0.0
67	120	6.10e-04	-7.99e-03	-0.31	-1.71e-04	-3.38e-05	0.0
67	124	6.10e-04	-7.99e-03	-0.31	-1.71e-04	-3.38e-05	0.0
68	4	1.44e-03	-0.01	-0.45	-3.27e-04	-8.05e-05	0.0
68	12	1.25e-03	-0.01	-0.37	-2.83e-04	-6.98e-05	0.0
68	13	0.13	0.03	-0.33	-2.17e-04	-5.87e-05	0.0
68	32	-0.06	-0.13	-0.32	-2.16e-04	-5.05e-05	0.0
68	43	-0.05	0.10	-0.33	-2.21e-04	-5.38e-05	0.0
68	45	0.06	0.01	-0.33	-2.18e-04	-5.61e-05	0.0
68	64	-0.03	-0.07	-0.32	-2.17e-04	-5.21e-05	0.0
68	75	-0.02	0.05	-0.33	-2.19e-04	-5.37e-05	0.0
68	77	0.13	0.03	-0.33	-2.17e-04	-5.87e-05	0.0
68	96	-0.06	-0.13	-0.32	-2.16e-04	-5.05e-05	0.0
68	112	9.61e-04	-8.86e-03	-0.33	-2.18e-04	-5.37e-05	0.0

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68	116	9.61e-04	-8.86e-03	-0.33	-2.18e-04	-5.37e-05	0.0
68	120	9.61e-04	-8.86e-03	-0.33	-2.18e-04	-5.37e-05	0.0
68	124	9.61e-04	-8.86e-03	-0.33	-2.18e-04	-5.37e-05	0.0
69	4	2.24e-03	-0.01	-0.49	-3.85e-04	-1.26e-04	0.0
69	12	1.94e-03	-0.01	-0.40	-3.34e-04	-1.09e-04	0.0
69	13	0.13	0.03	-0.35	-2.55e-04	-9.12e-05	0.0
69	32	-0.05	-0.13	-0.35	-2.56e-04	-7.97e-05	0.0
69	43	-0.05	0.10	-0.35	-2.59e-04	-8.44e-05	0.0
69	45	0.06	9.82e-03	-0.35	-2.56e-04	-8.75e-05	0.0
69	64	-0.02	-0.07	-0.35	-2.57e-04	-8.20e-05	0.0
69	75	-0.02	0.04	-0.35	-2.58e-04	-8.42e-05	0.0
69	77	0.13	0.03	-0.35	-2.55e-04	-9.12e-05	0.0
69	96	-0.05	-0.13	-0.35	-2.56e-04	-7.97e-05	0.0
69	112	1.50e-03	-9.60e-03	-0.35	-2.57e-04	-8.41e-05	0.0
69	116	1.50e-03	-9.60e-03	-0.35	-2.57e-04	-8.41e-05	0.0
69	120	1.50e-03	-9.60e-03	-0.35	-2.57e-04	-8.41e-05	0.0
69	124	1.50e-03	-9.60e-03	-0.35	-2.57e-04	-8.41e-05	0.0
70	4	3.47e-03	-0.01	-0.52	-4.02e-04	-1.96e-04	0.0
70	7	3.47e-03	-0.01	-0.35	-4.02e-04	-1.96e-04	0.0
70	12	3.01e-03	-0.01	-0.43	-3.48e-04	-1.70e-04	0.0
70	13	0.13	0.03	-0.37	-2.64e-04	-1.41e-04	0.0
70	32	-0.04	-0.13	-0.37	-2.71e-04	-1.25e-04	0.0
70	43	-0.04	0.10	-0.37	-2.67e-04	-1.32e-04	0.0
70	45	0.06	9.57e-03	-0.37	-2.66e-04	-1.36e-04	0.0
70	64	-0.02	-0.07	-0.37	-2.70e-04	-1.28e-04	0.0
70	75	-0.02	0.04	-0.37	-2.68e-04	-1.31e-04	0.0
70	77	0.13	0.03	-0.37	-2.64e-04	-1.41e-04	0.0
70	96	-0.04	-0.13	-0.37	-2.71e-04	-1.25e-04	0.0
70	111	2.32e-03	-9.87e-03	-0.29	-2.68e-04	-1.31e-04	0.0
70	112	2.32e-03	-9.87e-03	-0.37	-2.68e-04	-1.31e-04	0.0
70	115	2.32e-03	-9.87e-03	-0.29	-2.68e-04	-1.31e-04	0.0
70	116	2.32e-03	-9.87e-03	-0.37	-2.68e-04	-1.31e-04	0.0
70	119	2.32e-03	-9.87e-03	-0.29	-2.68e-04	-1.31e-04	0.0
70	120	2.32e-03	-9.87e-03	-0.37	-2.68e-04	-1.31e-04	0.0
70	123	2.32e-03	-9.87e-03	-0.29	-2.68e-04	-1.31e-04	0.0
70	124	2.32e-03	-9.87e-03	-0.37	-2.68e-04	-1.31e-04	0.0
71	4	5.32e-03	-0.01	-0.56	-3.20e-04	-3.02e-04	0.0
71	7	5.32e-03	-0.01	-0.38	-3.20e-04	-3.02e-04	0.0
71	12	4.61e-03	-0.01	-0.46	-2.77e-04	-2.62e-04	0.0
71	13	0.12	0.03	-0.39	-2.04e-04	-2.15e-04	0.0
71	32	-0.04	-0.13	-0.39	-2.26e-04	-1.92e-04	0.0
71	35	-0.02	0.11	-0.40	-2.04e-04	-2.03e-04	0.0
71	45	0.06	0.01	-0.39	-2.09e-04	-2.08e-04	0.0
71	64	-0.02	-0.07	-0.39	-2.19e-04	-1.97e-04	0.0
71	67	-9.80e-03	0.05	-0.40	-2.09e-04	-2.02e-04	0.0
71	77	0.12	0.03	-0.39	-2.04e-04	-2.15e-04	0.0
71	96	-0.04	-0.13	-0.39	-2.26e-04	-1.92e-04	0.0
71	111	3.54e-03	-9.04e-03	-0.31	-2.13e-04	-2.01e-04	0.0
71	112	3.54e-03	-9.04e-03	-0.39	-2.13e-04	-2.01e-04	0.0
71	115	3.54e-03	-9.04e-03	-0.31	-2.13e-04	-2.01e-04	0.0
71	116	3.54e-03	-9.04e-03	-0.39	-2.13e-04	-2.01e-04	0.0
71	119	3.54e-03	-9.04e-03	-0.31	-2.13e-04	-2.01e-04	0.0
71	120	3.54e-03	-9.04e-03	-0.39	-2.13e-04	-2.01e-04	0.0
71	123	3.54e-03	-9.04e-03	-0.31	-2.13e-04	-2.01e-04	0.0
71	124	3.54e-03	-9.04e-03	-0.39	-2.13e-04	-2.01e-04	0.0
72	4	6.54e-03	-9.81e-03	-0.57	-7.28e-05	-3.74e-04	0.0
72	7	6.54e-03	-9.81e-03	-0.40	-7.28e-05	-3.74e-04	0.0
72	12	5.67e-03	-8.50e-03	-0.47	-6.31e-05	-3.24e-04	0.0
72	22	0.12	-0.05	-0.40	-5.46e-05	-2.58e-04	0.0
72	28	-0.11	-0.03	-0.41	-5.40e-05	-2.41e-04	0.0
72	34	0.04	-0.13	-0.41	-6.80e-05	-2.52e-04	0.0
72	54	0.06	-0.03	-0.41	-5.15e-05	-2.54e-04	0.0
72	60	-0.05	-0.02	-0.41	-5.12e-05	-2.45e-04	0.0
72	66	0.02	-0.06	-0.41	-5.79e-05	-2.51e-04	0.0
72	86	0.12	-0.05	-0.40	-5.46e-05	-2.58e-04	0.0

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72	98	0.04	-0.13	-0.41	-6.80e-05	-2.52e-04	0.0
72	111	4.36e-03	-6.54e-03	-0.33	-4.86e-05	-2.50e-04	0.0
72	112	4.36e-03	-6.54e-03	-0.41	-4.86e-05	-2.50e-04	0.0
72	115	4.36e-03	-6.54e-03	-0.33	-4.86e-05	-2.50e-04	0.0
72	116	4.36e-03	-6.54e-03	-0.41	-4.86e-05	-2.50e-04	0.0
72	119	4.36e-03	-6.54e-03	-0.33	-4.86e-05	-2.50e-04	0.0
72	120	4.36e-03	-6.54e-03	-0.41	-4.86e-05	-2.50e-04	0.0
72	123	4.36e-03	-6.54e-03	-0.33	-4.86e-05	-2.50e-04	0.0
72	124	4.36e-03	-6.54e-03	-0.41	-4.86e-05	-2.50e-04	0.0
73	4	5.36e-03	-2.88e-03	-0.56	2.90e-04	-3.08e-04	0.0
73	7	5.36e-03	-2.88e-03	-0.39	2.90e-04	-3.08e-04	0.0
73	12	4.64e-03	-2.50e-03	-0.46	2.52e-04	-2.67e-04	0.0
73	22	0.12	-0.04	-0.40	1.85e-04	-2.19e-04	0.0
73	32	-0.02	-0.12	-0.40	1.84e-04	-2.08e-04	0.0
73	34	0.04	-0.12	-0.40	1.81e-04	-2.15e-04	0.0
73	54	0.06	-0.02	-0.40	1.89e-04	-2.12e-04	0.0
73	64	-9.77e-03	-0.06	-0.40	1.89e-04	-2.07e-04	0.0
73	66	0.02	-0.06	-0.40	1.88e-04	-2.10e-04	0.0
73	86	0.12	-0.04	-0.40	1.85e-04	-2.19e-04	0.0
73	98	0.04	-0.12	-0.40	1.81e-04	-2.15e-04	0.0
73	111	3.57e-03	-1.92e-03	-0.32	1.94e-04	-2.06e-04	0.0
73	112	3.57e-03	-1.92e-03	-0.40	1.94e-04	-2.06e-04	0.0
73	115	3.57e-03	-1.92e-03	-0.32	1.94e-04	-2.06e-04	0.0
73	116	3.57e-03	-1.92e-03	-0.40	1.94e-04	-2.06e-04	0.0
73	119	3.57e-03	-1.92e-03	-0.32	1.94e-04	-2.06e-04	0.0
73	120	3.57e-03	-1.92e-03	-0.40	1.94e-04	-2.06e-04	0.0
73	123	3.57e-03	-1.92e-03	-0.32	1.94e-04	-2.06e-04	0.0
73	124	3.57e-03	-1.92e-03	-0.40	1.94e-04	-2.06e-04	0.0
74	4	3.52e-03	-8.33e-04	-0.53	3.98e-04	-2.04e-04	0.0
74	12	3.05e-03	-7.22e-04	-0.43	3.45e-04	-1.77e-04	0.0
74	22	0.13	-0.04	-0.37	2.61e-04	-1.46e-04	0.0
74	34	0.05	-0.12	-0.38	2.62e-04	-1.42e-04	0.0
74	40	-0.04	-0.11	-0.38	2.64e-04	-1.37e-04	0.0
74	54	0.06	-0.02	-0.37	2.63e-04	-1.41e-04	0.0
74	66	0.02	-0.06	-0.38	2.64e-04	-1.39e-04	0.0
74	72	-0.02	-0.05	-0.38	2.65e-04	-1.36e-04	0.0
74	86	0.13	-0.04	-0.37	2.61e-04	-1.46e-04	0.0
74	98	0.05	-0.12	-0.38	2.62e-04	-1.42e-04	0.0
74	112	2.34e-03	-5.56e-04	-0.37	2.65e-04	-1.36e-04	0.0
74	116	2.34e-03	-5.56e-04	-0.37	2.65e-04	-1.36e-04	0.0
74	120	2.34e-03	-5.56e-04	-0.37	2.65e-04	-1.36e-04	0.0
74	124	2.34e-03	-5.56e-04	-0.37	2.65e-04	-1.36e-04	0.0
75	4	2.27e-03	-8.42e-04	-0.49	3.91e-04	-1.32e-04	0.0
75	7	2.27e-03	-8.42e-04	-0.32	3.91e-04	-1.32e-04	0.0
75	12	1.97e-03	-7.30e-04	-0.40	3.39e-04	-1.15e-04	0.0
75	22	0.13	-0.04	-0.35	2.58e-04	-9.53e-05	0.0
75	34	0.06	-0.12	-0.35	2.61e-04	-9.26e-05	0.0
75	40	-0.05	-0.11	-0.35	2.63e-04	-8.85e-05	0.0
75	54	0.06	-0.02	-0.35	2.59e-04	-9.16e-05	0.0
75	66	0.03	-0.06	-0.35	2.61e-04	-9.03e-05	0.0
75	72	-0.02	-0.05	-0.35	2.61e-04	-8.83e-05	0.0
75	86	0.13	-0.04	-0.35	2.58e-04	-9.53e-05	0.0
75	98	0.06	-0.12	-0.35	2.61e-04	-9.26e-05	0.0
75	111	1.51e-03	-5.61e-04	-0.27	2.60e-04	-8.82e-05	0.0
75	112	1.51e-03	-5.61e-04	-0.35	2.60e-04	-8.82e-05	0.0
75	115	1.51e-03	-5.61e-04	-0.27	2.60e-04	-8.82e-05	0.0
75	116	1.51e-03	-5.61e-04	-0.35	2.60e-04	-8.82e-05	0.0
75	119	1.51e-03	-5.61e-04	-0.27	2.60e-04	-8.82e-05	0.0
75	120	1.51e-03	-5.61e-04	-0.35	2.60e-04	-8.82e-05	0.0
75	123	1.51e-03	-5.61e-04	-0.27	2.60e-04	-8.82e-05	0.0
75	124	1.51e-03	-5.61e-04	-0.35	2.60e-04	-8.82e-05	0.0
76	4	1.45e-03	-1.70e-03	-0.46	3.36e-04	-8.50e-05	0.0
76	7	1.45e-03	-1.70e-03	-0.28	3.36e-04	-8.50e-05	0.0
76	12	1.26e-03	-1.48e-03	-0.37	2.92e-04	-7.37e-05	0.0
76	22	0.13	-0.04	-0.33	2.23e-04	-6.17e-05	0.0

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76	34	0.06	-0.12	-0.33	2.26e-04	-5.99e-05	0.0
76	40	-0.05	-0.11	-0.33	2.27e-04	-5.68e-05	0.0
76	54	0.06	-0.02	-0.33	2.24e-04	-5.91e-05	0.0
76	66	0.03	-0.06	-0.33	2.25e-04	-5.82e-05	0.0
76	72	-0.02	-0.06	-0.33	2.26e-04	-5.68e-05	0.0
76	86	0.13	-0.04	-0.33	2.23e-04	-6.17e-05	0.0
76	98	0.06	-0.12	-0.33	2.26e-04	-5.99e-05	0.0
76	111	9.67e-04	-1.14e-03	-0.25	2.24e-04	-5.67e-05	0.0
76	112	9.67e-04	-1.14e-03	-0.33	2.24e-04	-5.67e-05	0.0
76	115	9.67e-04	-1.14e-03	-0.25	2.24e-04	-5.67e-05	0.0
76	116	9.67e-04	-1.14e-03	-0.33	2.24e-04	-5.67e-05	0.0
76	119	9.67e-04	-1.14e-03	-0.25	2.24e-04	-5.67e-05	0.0
76	120	9.67e-04	-1.14e-03	-0.33	2.24e-04	-5.67e-05	0.0
76	123	9.67e-04	-1.14e-03	-0.25	2.24e-04	-5.67e-05	0.0
76	124	9.67e-04	-1.14e-03	-0.33	2.24e-04	-5.67e-05	0.0
77	4	9.10e-04	-2.86e-03	-0.43	2.67e-04	-5.38e-05	0.0
77	7	9.10e-04	-2.86e-03	-0.26	2.67e-04	-5.38e-05	0.0
77	12	7.88e-04	-2.47e-03	-0.35	2.31e-04	-4.67e-05	0.0
77	22	0.14	-0.04	-0.31	1.77e-04	-3.94e-05	0.0
77	34	0.07	-0.12	-0.31	1.81e-04	-3.82e-05	0.0
77	40	-0.06	-0.11	-0.31	1.81e-04	-3.59e-05	0.0
77	54	0.07	-0.02	-0.31	1.78e-04	-3.76e-05	0.0
77	66	0.03	-0.06	-0.31	1.79e-04	-3.70e-05	0.0
77	72	-0.03	-0.06	-0.31	1.79e-04	-3.59e-05	0.0
77	86	0.14	-0.04	-0.31	1.77e-04	-3.94e-05	0.0
77	98	0.07	-0.12	-0.31	1.81e-04	-3.82e-05	0.0
77	111	6.06e-04	-1.90e-03	-0.23	1.78e-04	-3.59e-05	0.0
77	112	6.06e-04	-1.90e-03	-0.31	1.78e-04	-3.59e-05	0.0
77	115	6.06e-04	-1.90e-03	-0.23	1.78e-04	-3.59e-05	0.0
77	116	6.06e-04	-1.90e-03	-0.31	1.78e-04	-3.59e-05	0.0
77	119	6.06e-04	-1.90e-03	-0.23	1.78e-04	-3.59e-05	0.0
77	120	6.06e-04	-1.90e-03	-0.31	1.78e-04	-3.59e-05	0.0
77	123	6.06e-04	-1.90e-03	-0.23	1.78e-04	-3.59e-05	0.0
77	124	6.06e-04	-1.90e-03	-0.31	1.78e-04	-3.59e-05	0.0
78	4	1.60e-03	-0.01	-0.42	-2.24e-04	-8.84e-05	0.0
78	12	1.39e-03	-9.86e-03	-0.34	-1.94e-04	-7.66e-05	0.0
78	13	0.14	0.04	-0.30	-1.48e-04	-6.18e-05	0.0
78	32	-0.07	-0.13	-0.30	-1.47e-04	-5.59e-05	0.0
78	43	-0.06	0.10	-0.31	-1.52e-04	-6.01e-05	0.0
78	45	0.07	0.01	-0.30	-1.48e-04	-6.03e-05	0.0
78	64	-0.03	-0.07	-0.30	-1.48e-04	-5.75e-05	0.0
78	75	-0.03	0.05	-0.30	-1.51e-04	-5.95e-05	0.0
78	77	0.14	0.04	-0.30	-1.48e-04	-6.18e-05	0.0
78	96	-0.07	-0.13	-0.30	-1.47e-04	-5.59e-05	0.0
78	112	1.07e-03	-7.59e-03	-0.30	-1.49e-04	-5.89e-05	0.0
78	116	1.07e-03	-7.59e-03	-0.30	-1.49e-04	-5.89e-05	0.0
78	120	1.07e-03	-7.59e-03	-0.30	-1.49e-04	-5.89e-05	0.0
78	124	1.07e-03	-7.59e-03	-0.30	-1.49e-04	-5.89e-05	0.0
79	4	2.45e-03	-0.01	-0.44	-2.78e-04	-1.37e-04	0.0
79	12	2.13e-03	-0.01	-0.36	-2.41e-04	-1.19e-04	0.0
79	13	0.13	0.04	-0.32	-1.83e-04	-9.52e-05	0.0
79	32	-0.06	-0.13	-0.32	-1.84e-04	-8.73e-05	0.0
79	43	-0.05	0.10	-0.32	-1.88e-04	-9.30e-05	0.0
79	45	0.07	0.01	-0.32	-1.84e-04	-9.32e-05	0.0
79	64	-0.03	-0.07	-0.32	-1.85e-04	-8.94e-05	0.0
79	75	-0.02	0.05	-0.32	-1.87e-04	-9.21e-05	0.0
79	77	0.13	0.04	-0.32	-1.83e-04	-9.52e-05	0.0
79	96	-0.06	-0.13	-0.32	-1.84e-04	-8.73e-05	0.0
79	112	1.64e-03	-8.27e-03	-0.32	-1.85e-04	-9.13e-05	0.0
79	116	1.64e-03	-8.27e-03	-0.32	-1.85e-04	-9.13e-05	0.0
79	120	1.64e-03	-8.27e-03	-0.32	-1.85e-04	-9.13e-05	0.0
79	124	1.64e-03	-8.27e-03	-0.32	-1.85e-04	-9.13e-05	0.0
80	4	3.66e-03	-0.01	-0.47	-3.15e-04	-2.06e-04	0.0
80	12	3.17e-03	-0.01	-0.39	-2.73e-04	-1.78e-04	0.0
80	13	0.13	0.04	-0.34	-2.06e-04	-1.42e-04	0.0

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80	32	-0.05	-0.13	-0.34	-2.10e-04	-1.32e-04	0.0
80	43	-0.05	0.10	-0.34	-2.12e-04	-1.40e-04	0.0
80	45	0.06	0.01	-0.34	-2.08e-04	-1.39e-04	0.0
80	64	-0.02	-0.07	-0.34	-2.10e-04	-1.35e-04	0.0
80	75	-0.02	0.05	-0.34	-2.11e-04	-1.38e-04	0.0
80	77	0.13	0.04	-0.34	-2.06e-04	-1.42e-04	0.0
80	96	-0.05	-0.13	-0.34	-2.10e-04	-1.32e-04	0.0
80	112	2.44e-03	-8.74e-03	-0.34	-2.10e-04	-1.37e-04	0.0
80	116	2.44e-03	-8.74e-03	-0.34	-2.10e-04	-1.37e-04	0.0
80	120	2.44e-03	-8.74e-03	-0.34	-2.10e-04	-1.37e-04	0.0
80	124	2.44e-03	-8.74e-03	-0.34	-2.10e-04	-1.37e-04	0.0
81	4	5.25e-03	-0.01	-0.50	-3.05e-04	-2.96e-04	0.0
81	12	4.55e-03	-0.01	-0.41	-2.65e-04	-2.56e-04	0.0
81	13	0.13	0.04	-0.35	-1.97e-04	-2.03e-04	0.0
81	32	-0.04	-0.13	-0.35	-2.09e-04	-1.91e-04	0.0
81	43	-0.04	0.10	-0.36	-2.01e-04	-2.01e-04	0.0
81	45	0.06	0.01	-0.36	-2.00e-04	-2.00e-04	0.0
81	64	-0.02	-0.07	-0.36	-2.06e-04	-1.94e-04	0.0
81	75	-0.02	0.05	-0.36	-2.02e-04	-1.99e-04	0.0
81	77	0.13	0.04	-0.35	-1.97e-04	-2.03e-04	0.0
81	96	-0.04	-0.13	-0.35	-2.09e-04	-1.91e-04	0.0
81	112	3.50e-03	-8.68e-03	-0.36	-2.04e-04	-1.97e-04	0.0
81	116	3.50e-03	-8.68e-03	-0.36	-2.04e-04	-1.97e-04	0.0
81	120	3.50e-03	-8.68e-03	-0.36	-2.04e-04	-1.97e-04	0.0
81	124	3.50e-03	-8.68e-03	-0.36	-2.04e-04	-1.97e-04	0.0
82	4	6.96e-03	-0.01	-0.52	-2.12e-04	-3.94e-04	0.0
82	7	6.96e-03	-0.01	-0.35	-2.12e-04	-3.94e-04	0.0
82	12	6.03e-03	-9.93e-03	-0.43	-1.84e-04	-3.41e-04	0.0
82	13	0.12	0.04	-0.37	-1.34e-04	-2.66e-04	0.0
82	27	-0.11	0.04	-0.37	-1.43e-04	-2.61e-04	0.0
82	32	-0.04	-0.13	-0.37	-1.52e-04	-2.57e-04	0.0
82	45	0.06	0.01	-0.37	-1.38e-04	-2.64e-04	0.0
82	59	-0.05	0.01	-0.37	-1.42e-04	-2.62e-04	0.0
82	64	-0.01	-0.07	-0.37	-1.46e-04	-2.60e-04	0.0
82	77	0.12	0.04	-0.37	-1.34e-04	-2.66e-04	0.0
82	96	-0.04	-0.13	-0.37	-1.52e-04	-2.57e-04	0.0
82	111	4.64e-03	-7.64e-03	-0.29	-1.41e-04	-2.62e-04	0.0
82	112	4.64e-03	-7.64e-03	-0.37	-1.41e-04	-2.62e-04	0.0
82	115	4.64e-03	-7.64e-03	-0.29	-1.41e-04	-2.62e-04	0.0
82	116	4.64e-03	-7.64e-03	-0.37	-1.41e-04	-2.62e-04	0.0
82	119	4.64e-03	-7.64e-03	-0.29	-1.41e-04	-2.62e-04	0.0
82	120	4.64e-03	-7.64e-03	-0.37	-1.41e-04	-2.62e-04	0.0
82	123	4.64e-03	-7.64e-03	-0.29	-1.41e-04	-2.62e-04	0.0
82	124	4.64e-03	-7.64e-03	-0.37	-1.41e-04	-2.62e-04	0.0
83	4	7.83e-03	-8.22e-03	-0.53	-2.38e-05	-4.48e-04	0.0
83	7	7.83e-03	-8.22e-03	-0.36	-2.38e-05	-4.48e-04	0.0
83	12	6.78e-03	-7.13e-03	-0.44	-2.06e-05	-3.88e-04	0.0
83	22	0.12	-0.05	-0.38	-1.95e-05	-3.01e-04	0.0
83	28	-0.11	-0.03	-0.38	-1.93e-05	-2.96e-04	0.0
83	34	0.04	-0.13	-0.38	-2.77e-05	-2.99e-04	0.0
83	54	0.06	-0.03	-0.38	-1.76e-05	-3.00e-04	0.0
83	60	-0.05	-0.02	-0.38	-1.75e-05	-2.97e-04	0.0
83	66	0.02	-0.06	-0.38	-2.15e-05	-2.99e-04	0.0
83	86	0.12	-0.05	-0.38	-1.95e-05	-3.01e-04	0.0
83	98	0.04	-0.13	-0.38	-2.77e-05	-2.99e-04	0.0
83	111	5.22e-03	-5.48e-03	-0.30	-1.58e-05	-2.98e-04	0.0
83	112	5.22e-03	-5.48e-03	-0.38	-1.58e-05	-2.98e-04	0.0
83	115	5.22e-03	-5.48e-03	-0.30	-1.58e-05	-2.98e-04	0.0
83	116	5.22e-03	-5.48e-03	-0.38	-1.58e-05	-2.98e-04	0.0
83	119	5.22e-03	-5.48e-03	-0.30	-1.58e-05	-2.98e-04	0.0
83	120	5.22e-03	-5.48e-03	-0.38	-1.58e-05	-2.98e-04	0.0
83	123	5.22e-03	-5.48e-03	-0.30	-1.58e-05	-2.98e-04	0.0
83	124	5.22e-03	-5.48e-03	-0.38	-1.58e-05	-2.98e-04	0.0
84	4	7.02e-03	-4.47e-03	-0.53	1.88e-04	-4.06e-04	0.0
84	7	7.02e-03	-4.47e-03	-0.35	1.88e-04	-4.06e-04	0.0

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84	12	6.09e-03	-3.88e-03	-0.43	1.63e-04	-3.52e-04	0.0
84	20	-0.11	-0.05	-0.38	1.27e-04	-2.69e-04	0.0
84	22	0.12	-0.05	-0.37	1.18e-04	-2.75e-04	0.0
84	34	0.05	-0.13	-0.37	1.15e-04	-2.76e-04	0.0
84	52	-0.05	-0.02	-0.38	1.26e-04	-2.70e-04	0.0
84	54	0.06	-0.03	-0.37	1.22e-04	-2.73e-04	0.0
84	66	0.02	-0.06	-0.37	1.20e-04	-2.73e-04	0.0
84	86	0.12	-0.05	-0.37	1.18e-04	-2.75e-04	0.0
84	98	0.05	-0.13	-0.37	1.15e-04	-2.76e-04	0.0
84	111	4.68e-03	-2.98e-03	-0.29	1.25e-04	-2.71e-04	0.0
84	112	4.68e-03	-2.98e-03	-0.37	1.25e-04	-2.71e-04	0.0
84	115	4.68e-03	-2.98e-03	-0.29	1.25e-04	-2.71e-04	0.0
84	116	4.68e-03	-2.98e-03	-0.37	1.25e-04	-2.71e-04	0.0
84	119	4.68e-03	-2.98e-03	-0.29	1.25e-04	-2.71e-04	0.0
84	120	4.68e-03	-2.98e-03	-0.37	1.25e-04	-2.71e-04	0.0
84	123	4.68e-03	-2.98e-03	-0.29	1.25e-04	-2.71e-04	0.0
84	124	4.68e-03	-2.98e-03	-0.37	1.25e-04	-2.71e-04	0.0
85	4	5.32e-03	-2.45e-03	-0.50	2.99e-04	-3.08e-04	0.0
85	7	5.32e-03	-2.45e-03	-0.33	2.99e-04	-3.08e-04	0.0
85	12	4.61e-03	-2.12e-03	-0.41	2.59e-04	-2.67e-04	0.0
85	22	0.13	-0.05	-0.36	1.93e-04	-2.12e-04	0.0
85	34	0.05	-0.12	-0.36	1.94e-04	-2.12e-04	0.0
85	40	-0.04	-0.11	-0.36	1.97e-04	-2.09e-04	0.0
85	54	0.06	-0.02	-0.36	1.96e-04	-2.08e-04	0.0
85	66	0.03	-0.06	-0.36	1.97e-04	-2.09e-04	0.0
85	72	-0.02	-0.06	-0.36	1.98e-04	-2.07e-04	0.0
85	86	0.13	-0.05	-0.36	1.93e-04	-2.12e-04	0.0
85	98	0.05	-0.12	-0.36	1.94e-04	-2.12e-04	0.0
85	111	3.54e-03	-1.63e-03	-0.28	1.99e-04	-2.06e-04	0.0
85	112	3.54e-03	-1.63e-03	-0.36	1.99e-04	-2.06e-04	0.0
85	115	3.54e-03	-1.63e-03	-0.28	1.99e-04	-2.06e-04	0.0
85	116	3.54e-03	-1.63e-03	-0.36	1.99e-04	-2.06e-04	0.0
85	119	3.54e-03	-1.63e-03	-0.28	1.99e-04	-2.06e-04	0.0
85	120	3.54e-03	-1.63e-03	-0.36	1.99e-04	-2.06e-04	0.0
85	123	3.54e-03	-1.63e-03	-0.28	1.99e-04	-2.06e-04	0.0
85	124	3.54e-03	-1.63e-03	-0.36	1.99e-04	-2.06e-04	0.0
86	4	3.70e-03	-2.05e-03	-0.47	3.18e-04	-2.16e-04	0.0
86	7	3.70e-03	-2.05e-03	-0.30	3.18e-04	-2.16e-04	0.0
86	12	3.21e-03	-1.78e-03	-0.39	2.75e-04	-1.87e-04	0.0
86	22	0.13	-0.05	-0.34	2.08e-04	-1.49e-04	0.0
86	34	0.06	-0.12	-0.34	2.12e-04	-1.49e-04	0.0
86	40	-0.05	-0.11	-0.34	2.14e-04	-1.46e-04	0.0
86	54	0.06	-0.02	-0.34	2.10e-04	-1.46e-04	0.0
86	66	0.03	-0.06	-0.34	2.12e-04	-1.46e-04	0.0
86	72	-0.02	-0.06	-0.34	2.13e-04	-1.45e-04	0.0
86	86	0.13	-0.05	-0.34	2.08e-04	-1.49e-04	0.0
86	98	0.06	-0.12	-0.34	2.12e-04	-1.49e-04	0.0
86	111	2.47e-03	-1.37e-03	-0.26	2.12e-04	-1.44e-04	0.0
86	112	2.47e-03	-1.37e-03	-0.34	2.12e-04	-1.44e-04	0.0
86	115	2.47e-03	-1.37e-03	-0.26	2.12e-04	-1.44e-04	0.0
86	116	2.47e-03	-1.37e-03	-0.34	2.12e-04	-1.44e-04	0.0
86	119	2.47e-03	-1.37e-03	-0.26	2.12e-04	-1.44e-04	0.0
86	120	2.47e-03	-1.37e-03	-0.34	2.12e-04	-1.44e-04	0.0
86	123	2.47e-03	-1.37e-03	-0.26	2.12e-04	-1.44e-04	0.0
86	124	2.47e-03	-1.37e-03	-0.34	2.12e-04	-1.44e-04	0.0
87	4	2.46e-03	-2.55e-03	-0.45	2.86e-04	-1.45e-04	0.0
87	7	2.46e-03	-2.55e-03	-0.27	2.86e-04	-1.45e-04	0.0
87	12	2.13e-03	-2.21e-03	-0.37	2.48e-04	-1.25e-04	0.0
87	22	0.13	-0.05	-0.32	1.88e-04	-1.00e-04	0.0
87	34	0.06	-0.12	-0.32	1.92e-04	-1.00e-04	0.0
87	40	-0.05	-0.11	-0.32	1.93e-04	-9.81e-05	0.0
87	54	0.07	-0.02	-0.32	1.89e-04	-9.83e-05	0.0
87	66	0.03	-0.06	-0.32	1.91e-04	-9.83e-05	0.0
87	72	-0.02	-0.06	-0.32	1.92e-04	-9.72e-05	0.0
87	86	0.13	-0.05	-0.32	1.88e-04	-1.00e-04	0.0

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87	98	0.06	-0.12	-0.32	1.92e-04	-1.00e-04	0.0
87	111	1.64e-03	-1.70e-03	-0.24	1.90e-04	-9.64e-05	0.0
87	112	1.64e-03	-1.70e-03	-0.32	1.90e-04	-9.64e-05	0.0
87	115	1.64e-03	-1.70e-03	-0.24	1.90e-04	-9.64e-05	0.0
87	116	1.64e-03	-1.70e-03	-0.32	1.90e-04	-9.64e-05	0.0
87	119	1.64e-03	-1.70e-03	-0.24	1.90e-04	-9.64e-05	0.0
87	120	1.64e-03	-1.70e-03	-0.32	1.90e-04	-9.64e-05	0.0
87	123	1.64e-03	-1.70e-03	-0.24	1.90e-04	-9.64e-05	0.0
87	124	1.64e-03	-1.70e-03	-0.32	1.90e-04	-9.64e-05	0.0
88	4	1.58e-03	-3.42e-03	-0.42	2.32e-04	-9.38e-05	0.0
88	7	1.58e-03	-3.42e-03	-0.25	2.32e-04	-9.38e-05	0.0
88	12	1.37e-03	-2.97e-03	-0.34	2.01e-04	-8.13e-05	0.0
88	22	0.14	-0.05	-0.31	1.53e-04	-6.55e-05	0.0
88	34	0.07	-0.12	-0.31	1.57e-04	-6.56e-05	0.0
88	40	-0.06	-0.11	-0.31	1.58e-04	-6.37e-05	0.0
88	54	0.07	-0.02	-0.31	1.54e-04	-6.40e-05	0.0
88	66	0.03	-0.06	-0.31	1.56e-04	-6.40e-05	0.0
88	72	-0.03	-0.06	-0.31	1.56e-04	-6.31e-05	0.0
88	86	0.14	-0.05	-0.31	1.53e-04	-6.55e-05	0.0
88	98	0.07	-0.12	-0.31	1.57e-04	-6.56e-05	0.0
88	111	1.05e-03	-2.28e-03	-0.23	1.55e-04	-6.26e-05	0.0
88	112	1.05e-03	-2.28e-03	-0.31	1.55e-04	-6.26e-05	0.0
88	115	1.05e-03	-2.28e-03	-0.23	1.55e-04	-6.26e-05	0.0
88	116	1.05e-03	-2.28e-03	-0.31	1.55e-04	-6.26e-05	0.0
88	119	1.05e-03	-2.28e-03	-0.23	1.55e-04	-6.26e-05	0.0
88	120	1.05e-03	-2.28e-03	-0.31	1.55e-04	-6.26e-05	0.0
88	123	1.05e-03	-2.28e-03	-0.23	1.55e-04	-6.26e-05	0.0
88	124	1.05e-03	-2.28e-03	-0.31	1.55e-04	-6.26e-05	0.0
89	4	1.94e-03	-0.01	-0.41	-1.80e-04	-1.07e-04	0.0
89	12	1.68e-03	-9.16e-03	-0.33	-1.56e-04	-9.25e-05	0.0
89	13	0.14	0.05	-0.30	-1.18e-04	-7.31e-05	0.0
89	32	-0.07	-0.13	-0.30	-1.19e-04	-6.80e-05	0.0
89	43	-0.06	0.10	-0.30	-1.23e-04	-7.31e-05	0.0
89	45	0.07	0.02	-0.30	-1.19e-04	-7.20e-05	0.0
89	64	-0.03	-0.07	-0.30	-1.19e-04	-6.96e-05	0.0
89	75	-0.03	0.05	-0.30	-1.21e-04	-7.20e-05	0.0
89	77	0.14	0.05	-0.30	-1.18e-04	-7.31e-05	0.0
89	96	-0.07	-0.13	-0.30	-1.19e-04	-6.80e-05	0.0
89	112	1.29e-03	-7.05e-03	-0.30	-1.20e-04	-7.11e-05	0.0
89	116	1.29e-03	-7.05e-03	-0.30	-1.20e-04	-7.11e-05	0.0
89	120	1.29e-03	-7.05e-03	-0.30	-1.20e-04	-7.11e-05	0.0
89	124	1.29e-03	-7.05e-03	-0.30	-1.20e-04	-7.11e-05	0.0
90	4	2.88e-03	-0.01	-0.43	-2.17e-04	-1.60e-04	0.0
90	12	2.49e-03	-9.77e-03	-0.35	-1.88e-04	-1.39e-04	0.0
90	13	0.13	0.05	-0.31	-1.42e-04	-1.09e-04	0.0
90	32	-0.06	-0.13	-0.31	-1.45e-04	-1.03e-04	0.0
90	43	-0.05	0.10	-0.31	-1.47e-04	-1.10e-04	0.0
90	45	0.07	0.02	-0.31	-1.43e-04	-1.08e-04	0.0
90	64	-0.03	-0.07	-0.31	-1.45e-04	-1.05e-04	0.0
90	75	-0.02	0.05	-0.31	-1.46e-04	-1.08e-04	0.0
90	77	0.13	0.05	-0.31	-1.42e-04	-1.09e-04	0.0
90	96	-0.06	-0.13	-0.31	-1.45e-04	-1.03e-04	0.0
90	112	1.92e-03	-7.51e-03	-0.31	-1.45e-04	-1.07e-04	0.0
90	116	1.92e-03	-7.51e-03	-0.31	-1.45e-04	-1.07e-04	0.0
90	120	1.92e-03	-7.51e-03	-0.31	-1.45e-04	-1.07e-04	0.0
90	124	1.92e-03	-7.51e-03	-0.31	-1.45e-04	-1.07e-04	0.0
91	4	4.10e-03	-0.01	-0.45	-2.35e-04	-2.30e-04	0.0
91	12	3.55e-03	-0.01	-0.37	-2.04e-04	-1.99e-04	0.0
91	13	0.13	0.05	-0.32	-1.53e-04	-1.56e-04	0.0
91	27	-0.11	0.04	-0.33	-1.60e-04	-1.53e-04	0.0
91	32	-0.05	-0.13	-0.32	-1.57e-04	-1.49e-04	0.0
91	45	0.06	0.02	-0.32	-1.55e-04	-1.54e-04	0.0
91	59	-0.05	0.02	-0.32	-1.58e-04	-1.53e-04	0.0
91	64	-0.02	-0.07	-0.32	-1.57e-04	-1.51e-04	0.0
91	77	0.13	0.05	-0.32	-1.53e-04	-1.56e-04	0.0

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91	96	-0.05	-0.13	-0.32	-1.57e-04	-1.49e-04	0.0
91	112	2.73e-03	-7.75e-03	-0.32	-1.57e-04	-1.53e-04	0.0
91	116	2.73e-03	-7.75e-03	-0.32	-1.57e-04	-1.53e-04	0.0
91	120	2.73e-03	-7.75e-03	-0.32	-1.57e-04	-1.53e-04	0.0
91	124	2.73e-03	-7.75e-03	-0.32	-1.57e-04	-1.53e-04	0.0
92	4	5.50e-03	-0.01	-0.47	-2.14e-04	-3.10e-04	0.0
92	12	4.77e-03	-9.79e-03	-0.39	-1.86e-04	-2.69e-04	0.0
92	13	0.13	0.05	-0.34	-1.37e-04	-2.07e-04	0.0
92	27	-0.11	0.04	-0.34	-1.46e-04	-2.09e-04	0.0
92	32	-0.04	-0.13	-0.34	-1.48e-04	-2.03e-04	0.0
92	45	0.06	0.02	-0.34	-1.40e-04	-2.07e-04	0.0
92	59	-0.05	0.02	-0.34	-1.44e-04	-2.08e-04	0.0
92	64	-0.02	-0.07	-0.34	-1.45e-04	-2.05e-04	0.0
92	77	0.13	0.05	-0.34	-1.37e-04	-2.07e-04	0.0
92	96	-0.04	-0.13	-0.34	-1.48e-04	-2.03e-04	0.0
92	112	3.67e-03	-7.53e-03	-0.34	-1.43e-04	-2.07e-04	0.0
92	116	3.67e-03	-7.53e-03	-0.34	-1.43e-04	-2.07e-04	0.0
92	120	3.67e-03	-7.53e-03	-0.34	-1.43e-04	-2.07e-04	0.0
92	124	3.67e-03	-7.53e-03	-0.34	-1.43e-04	-2.07e-04	0.0
93	4	6.76e-03	-9.99e-03	-0.49	-1.38e-04	-3.83e-04	0.0
93	12	5.86e-03	-8.66e-03	-0.40	-1.20e-04	-3.32e-04	0.0
93	13	0.12	0.05	-0.35	-8.73e-05	-2.55e-04	0.0
93	27	-0.11	0.04	-0.35	-9.25e-05	-2.58e-04	0.0
93	32	-0.04	-0.13	-0.35	-9.94e-05	-2.53e-04	0.0
93	45	0.06	0.02	-0.35	-8.98e-05	-2.55e-04	0.0
93	59	-0.05	0.02	-0.35	-9.23e-05	-2.57e-04	0.0
93	64	-0.01	-0.07	-0.35	-9.56e-05	-2.55e-04	0.0
93	77	0.12	0.05	-0.35	-8.73e-05	-2.55e-04	0.0
93	96	-0.04	-0.13	-0.35	-9.94e-05	-2.53e-04	0.0
93	112	4.50e-03	-6.66e-03	-0.35	-9.20e-05	-2.56e-04	0.0
93	116	4.50e-03	-6.66e-03	-0.35	-9.20e-05	-2.56e-04	0.0
93	120	4.50e-03	-6.66e-03	-0.35	-9.20e-05	-2.56e-04	0.0
93	124	4.50e-03	-6.66e-03	-0.35	-9.20e-05	-2.56e-04	0.0
94	4	7.31e-03	-7.80e-03	-0.49	-1.23e-05	-4.18e-04	0.0
94	7	7.31e-03	-7.80e-03	-0.32	-1.23e-05	-4.18e-04	0.0
94	12	6.34e-03	-6.76e-03	-0.41	-1.06e-05	-3.62e-04	0.0
94	22	0.12	-0.06	-0.35	-1.07e-05	-2.77e-04	0.0
94	28	-0.11	-0.02	-0.36	-1.04e-05	-2.81e-04	0.0
94	34	0.04	-0.13	-0.35	-1.60e-05	-2.78e-04	0.0
94	54	0.06	-0.03	-0.35	-9.38e-06	-2.78e-04	0.0
94	60	-0.05	-0.01	-0.35	-9.25e-06	-2.80e-04	0.0
94	66	0.02	-0.07	-0.35	-1.19e-05	-2.79e-04	0.0
94	86	0.12	-0.06	-0.35	-1.07e-05	-2.77e-04	0.0
94	98	0.04	-0.13	-0.35	-1.60e-05	-2.78e-04	0.0
94	111	4.87e-03	-5.20e-03	-0.27	-8.19e-06	-2.79e-04	0.0
94	112	4.87e-03	-5.20e-03	-0.35	-8.19e-06	-2.79e-04	0.0
94	115	4.87e-03	-5.20e-03	-0.27	-8.19e-06	-2.79e-04	0.0
94	116	4.87e-03	-5.20e-03	-0.35	-8.19e-06	-2.79e-04	0.0
94	119	4.87e-03	-5.20e-03	-0.27	-8.19e-06	-2.79e-04	0.0
94	120	4.87e-03	-5.20e-03	-0.35	-8.19e-06	-2.79e-04	0.0
94	123	4.87e-03	-5.20e-03	-0.27	-8.19e-06	-2.79e-04	0.0
94	124	4.87e-03	-5.20e-03	-0.35	-8.19e-06	-2.79e-04	0.0
95	4	6.81e-03	-5.48e-03	-0.49	1.20e-04	-3.93e-04	0.0
95	7	6.81e-03	-5.48e-03	-0.32	1.20e-04	-3.93e-04	0.0
95	12	5.90e-03	-4.75e-03	-0.40	1.04e-04	-3.40e-04	0.0
95	20	-0.11	-0.05	-0.35	8.07e-05	-2.64e-04	0.0
95	22	0.12	-0.06	-0.35	7.55e-05	-2.61e-04	0.0
95	34	0.05	-0.13	-0.35	7.28e-05	-2.64e-04	0.0
95	52	-0.05	-0.03	-0.35	8.05e-05	-2.63e-04	0.0
95	54	0.06	-0.03	-0.35	7.79e-05	-2.61e-04	0.0
95	66	0.02	-0.06	-0.35	7.67e-05	-2.63e-04	0.0
95	86	0.12	-0.06	-0.35	7.55e-05	-2.61e-04	0.0
95	98	0.05	-0.13	-0.35	7.28e-05	-2.64e-04	0.0
95	111	4.54e-03	-3.65e-03	-0.27	8.02e-05	-2.62e-04	0.0
95	112	4.54e-03	-3.65e-03	-0.35	8.02e-05	-2.62e-04	0.0

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95	115	4.54e-03	-3.65e-03	-0.27	8.02e-05	-2.62e-04	0.0
95	116	4.54e-03	-3.65e-03	-0.35	8.02e-05	-2.62e-04	0.0
95	119	4.54e-03	-3.65e-03	-0.27	8.02e-05	-2.62e-04	0.0
95	120	4.54e-03	-3.65e-03	-0.35	8.02e-05	-2.62e-04	0.0
95	123	4.54e-03	-3.65e-03	-0.27	8.02e-05	-2.62e-04	0.0
95	124	4.54e-03	-3.65e-03	-0.35	8.02e-05	-2.62e-04	0.0
96	4	5.55e-03	-3.94e-03	-0.47	2.07e-04	-3.22e-04	0.0
96	7	5.55e-03	-3.94e-03	-0.30	2.07e-04	-3.22e-04	0.0
96	12	4.81e-03	-3.41e-03	-0.39	1.80e-04	-2.79e-04	0.0
96	20	-0.11	-0.05	-0.34	1.41e-04	-2.17e-04	0.0
96	22	0.13	-0.06	-0.34	1.33e-04	-2.15e-04	0.0
96	34	0.05	-0.13	-0.34	1.33e-04	-2.19e-04	0.0
96	52	-0.05	-0.03	-0.34	1.39e-04	-2.16e-04	0.0
96	54	0.06	-0.03	-0.34	1.35e-04	-2.15e-04	0.0
96	66	0.03	-0.06	-0.34	1.36e-04	-2.17e-04	0.0
96	86	0.13	-0.06	-0.34	1.33e-04	-2.15e-04	0.0
96	98	0.05	-0.13	-0.34	1.33e-04	-2.19e-04	0.0
96	111	3.70e-03	-2.62e-03	-0.26	1.38e-04	-2.15e-04	0.0
96	112	3.70e-03	-2.62e-03	-0.34	1.38e-04	-2.15e-04	0.0
96	115	3.70e-03	-2.62e-03	-0.26	1.38e-04	-2.15e-04	0.0
96	116	3.70e-03	-2.62e-03	-0.34	1.38e-04	-2.15e-04	0.0
96	119	3.70e-03	-2.62e-03	-0.26	1.38e-04	-2.15e-04	0.0
96	120	3.70e-03	-2.62e-03	-0.34	1.38e-04	-2.15e-04	0.0
96	123	3.70e-03	-2.62e-03	-0.26	1.38e-04	-2.15e-04	0.0
96	124	3.70e-03	-2.62e-03	-0.34	1.38e-04	-2.15e-04	0.0
97	4	4.13e-03	-3.40e-03	-0.45	2.36e-04	-2.41e-04	0.0
97	7	4.13e-03	-3.40e-03	-0.28	2.36e-04	-2.41e-04	0.0
97	12	3.58e-03	-2.95e-03	-0.37	2.04e-04	-2.09e-04	0.0
97	20	-0.11	-0.05	-0.33	1.61e-04	-1.60e-04	0.0
97	22	0.13	-0.06	-0.32	1.53e-04	-1.63e-04	0.0
97	34	0.06	-0.13	-0.33	1.57e-04	-1.65e-04	0.0
97	52	-0.05	-0.03	-0.33	1.59e-04	-1.60e-04	0.0
97	54	0.06	-0.03	-0.33	1.55e-04	-1.62e-04	0.0
97	66	0.03	-0.06	-0.33	1.57e-04	-1.63e-04	0.0
97	86	0.13	-0.06	-0.32	1.53e-04	-1.63e-04	0.0
97	98	0.06	-0.13	-0.33	1.57e-04	-1.65e-04	0.0
97	111	2.75e-03	-2.27e-03	-0.25	1.57e-04	-1.61e-04	0.0
97	112	2.75e-03	-2.27e-03	-0.33	1.57e-04	-1.61e-04	0.0
97	115	2.75e-03	-2.27e-03	-0.25	1.57e-04	-1.61e-04	0.0
97	116	2.75e-03	-2.27e-03	-0.33	1.57e-04	-1.61e-04	0.0
97	119	2.75e-03	-2.27e-03	-0.25	1.57e-04	-1.61e-04	0.0
97	120	2.75e-03	-2.27e-03	-0.33	1.57e-04	-1.61e-04	0.0
97	123	2.75e-03	-2.27e-03	-0.25	1.57e-04	-1.61e-04	0.0
97	124	2.75e-03	-2.27e-03	-0.33	1.57e-04	-1.61e-04	0.0
98	4	2.87e-03	-3.59e-03	-0.43	2.22e-04	-1.69e-04	0.0
98	7	2.87e-03	-3.59e-03	-0.26	2.22e-04	-1.69e-04	0.0
98	12	2.49e-03	-3.11e-03	-0.35	1.93e-04	-1.46e-04	0.0
98	22	0.13	-0.06	-0.31	1.45e-04	-1.15e-04	0.0
98	34	0.06	-0.13	-0.31	1.48e-04	-1.17e-04	0.0
98	40	-0.05	-0.11	-0.31	1.50e-04	-1.15e-04	0.0
98	54	0.07	-0.03	-0.31	1.47e-04	-1.14e-04	0.0
98	66	0.03	-0.06	-0.31	1.48e-04	-1.15e-04	0.0
98	72	-0.02	-0.06	-0.31	1.49e-04	-1.14e-04	0.0
98	86	0.13	-0.06	-0.31	1.45e-04	-1.15e-04	0.0
98	98	0.06	-0.13	-0.31	1.48e-04	-1.17e-04	0.0
98	111	1.92e-03	-2.40e-03	-0.23	1.48e-04	-1.13e-04	0.0
98	112	1.92e-03	-2.40e-03	-0.31	1.48e-04	-1.13e-04	0.0
98	115	1.92e-03	-2.40e-03	-0.23	1.48e-04	-1.13e-04	0.0
98	116	1.92e-03	-2.40e-03	-0.31	1.48e-04	-1.13e-04	0.0
98	119	1.92e-03	-2.40e-03	-0.23	1.48e-04	-1.13e-04	0.0
98	120	1.92e-03	-2.40e-03	-0.31	1.48e-04	-1.13e-04	0.0
98	123	1.92e-03	-2.40e-03	-0.23	1.48e-04	-1.13e-04	0.0
98	124	1.92e-03	-2.40e-03	-0.31	1.48e-04	-1.13e-04	0.0
99	4	1.90e-03	-4.17e-03	-0.41	1.87e-04	-1.13e-04	0.0
99	7	1.90e-03	-4.17e-03	-0.24	1.87e-04	-1.13e-04	0.0

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99	12	1.65e-03	-3.62e-03	-0.34	1.62e-04	-9.81e-05	0.0
99	22	0.14	-0.06	-0.30	1.22e-04	-7.74e-05	0.0
99	34	0.07	-0.13	-0.30	1.26e-04	-7.86e-05	0.0
99	40	-0.06	-0.11	-0.30	1.27e-04	-7.74e-05	0.0
99	54	0.07	-0.03	-0.30	1.23e-04	-7.64e-05	0.0
99	66	0.03	-0.06	-0.30	1.25e-04	-7.70e-05	0.0
99	72	-0.03	-0.06	-0.30	1.26e-04	-7.64e-05	0.0
99	86	0.14	-0.06	-0.30	1.22e-04	-7.74e-05	0.0
99	98	0.07	-0.13	-0.30	1.26e-04	-7.86e-05	0.0
99	111	1.27e-03	-2.78e-03	-0.22	1.24e-04	-7.55e-05	0.0
99	112	1.27e-03	-2.78e-03	-0.30	1.24e-04	-7.55e-05	0.0
99	115	1.27e-03	-2.78e-03	-0.22	1.24e-04	-7.55e-05	0.0
99	116	1.27e-03	-2.78e-03	-0.30	1.24e-04	-7.55e-05	0.0
99	119	1.27e-03	-2.78e-03	-0.22	1.24e-04	-7.55e-05	0.0
99	120	1.27e-03	-2.78e-03	-0.30	1.24e-04	-7.55e-05	0.0
99	123	1.27e-03	-2.78e-03	-0.22	1.24e-04	-7.55e-05	0.0
99	124	1.27e-03	-2.78e-03	-0.30	1.24e-04	-7.55e-05	0.0
100	4	1.95e-03	-9.74e-03	-0.40	-1.35e-04	-1.07e-04	0.0
100	12	1.69e-03	-8.44e-03	-0.33	-1.17e-04	-9.25e-05	0.0
100	13	0.14	0.05	-0.29	-8.77e-05	-7.17e-05	0.0
100	32	-0.07	-0.14	-0.29	-8.96e-05	-6.84e-05	0.0
100	43	-0.06	0.11	-0.29	-9.21e-05	-7.38e-05	0.0
100	45	0.07	0.02	-0.29	-8.90e-05	-7.14e-05	0.0
100	64	-0.03	-0.07	-0.29	-8.99e-05	-6.99e-05	0.0
100	75	-0.03	0.05	-0.29	-9.11e-05	-7.24e-05	0.0
100	77	0.14	0.05	-0.29	-8.77e-05	-7.17e-05	0.0
100	96	-0.07	-0.14	-0.29	-8.96e-05	-6.84e-05	0.0
100	112	1.30e-03	-6.49e-03	-0.29	-9.02e-05	-7.12e-05	0.0
100	116	1.30e-03	-6.49e-03	-0.29	-9.02e-05	-7.12e-05	0.0
100	120	1.30e-03	-6.49e-03	-0.29	-9.02e-05	-7.12e-05	0.0
100	124	1.30e-03	-6.49e-03	-0.29	-9.02e-05	-7.12e-05	0.0
101	4	2.81e-03	-0.01	-0.41	-1.58e-04	-1.56e-04	0.0
101	12	2.43e-03	-8.82e-03	-0.34	-1.37e-04	-1.35e-04	0.0
101	13	0.13	0.05	-0.30	-1.02e-04	-1.04e-04	0.0
101	27	-0.11	0.05	-0.30	-1.09e-04	-1.05e-04	0.0
101	32	-0.06	-0.14	-0.30	-1.06e-04	-1.01e-04	0.0
101	45	0.07	0.02	-0.30	-1.04e-04	-1.04e-04	0.0
101	59	-0.05	0.02	-0.30	-1.07e-04	-1.05e-04	0.0
101	64	-0.03	-0.07	-0.30	-1.06e-04	-1.02e-04	0.0
101	77	0.13	0.05	-0.30	-1.02e-04	-1.04e-04	0.0
101	96	-0.06	-0.14	-0.30	-1.06e-04	-1.01e-04	0.0
101	112	1.87e-03	-6.78e-03	-0.30	-1.06e-04	-1.04e-04	0.0
101	116	1.87e-03	-6.78e-03	-0.30	-1.06e-04	-1.04e-04	0.0
101	120	1.87e-03	-6.78e-03	-0.30	-1.06e-04	-1.04e-04	0.0
101	124	1.87e-03	-6.78e-03	-0.30	-1.06e-04	-1.04e-04	0.0
102	4	3.84e-03	-0.01	-0.43	-1.65e-04	-2.15e-04	0.0
102	12	3.33e-03	-8.94e-03	-0.35	-1.43e-04	-1.86e-04	0.0
102	13	0.13	0.05	-0.31	-1.06e-04	-1.43e-04	0.0
102	27	-0.11	0.05	-0.31	-1.13e-04	-1.45e-04	0.0
102	32	-0.05	-0.14	-0.31	-1.12e-04	-1.40e-04	0.0
102	45	0.06	0.02	-0.31	-1.08e-04	-1.43e-04	0.0
102	59	-0.05	0.02	-0.31	-1.11e-04	-1.44e-04	0.0
102	64	-0.02	-0.07	-0.31	-1.11e-04	-1.42e-04	0.0
102	77	0.13	0.05	-0.31	-1.06e-04	-1.43e-04	0.0
102	96	-0.05	-0.14	-0.31	-1.12e-04	-1.40e-04	0.0
102	112	2.56e-03	-6.87e-03	-0.31	-1.10e-04	-1.43e-04	0.0
102	116	2.56e-03	-6.87e-03	-0.31	-1.10e-04	-1.43e-04	0.0
102	120	2.56e-03	-6.87e-03	-0.31	-1.10e-04	-1.43e-04	0.0
102	124	2.56e-03	-6.87e-03	-0.31	-1.10e-04	-1.43e-04	0.0
103	4	4.91e-03	-9.96e-03	-0.44	-1.44e-04	-2.77e-04	0.0
103	12	4.26e-03	-8.63e-03	-0.36	-1.25e-04	-2.40e-04	0.0
103	13	0.13	0.05	-0.32	-9.17e-05	-1.84e-04	0.0
103	27	-0.11	0.05	-0.32	-9.78e-05	-1.88e-04	0.0
103	32	-0.04	-0.14	-0.32	-9.98e-05	-1.82e-04	0.0
103	45	0.06	0.02	-0.32	-9.39e-05	-1.84e-04	0.0

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103	59	-0.05	0.02	-0.32	-9.68e-05	-1.86e-04	0.0
103	64	-0.02	-0.07	-0.32	-9.78e-05	-1.84e-04	0.0
103	77	0.13	0.05	-0.32	-9.17e-05	-1.84e-04	0.0
103	96	-0.04	-0.14	-0.32	-9.98e-05	-1.82e-04	0.0
103	112	3.28e-03	-6.64e-03	-0.32	-9.59e-05	-1.85e-04	0.0
103	116	3.28e-03	-6.64e-03	-0.32	-9.59e-05	-1.85e-04	0.0
103	120	3.28e-03	-6.64e-03	-0.32	-9.59e-05	-1.85e-04	0.0
103	124	3.28e-03	-6.64e-03	-0.32	-9.59e-05	-1.85e-04	0.0
104	4	5.78e-03	-9.01e-03	-0.45	-8.88e-05	-3.29e-04	0.0
104	12	5.01e-03	-7.81e-03	-0.37	-7.69e-05	-2.85e-04	0.0
104	13	0.12	0.05	-0.32	-5.58e-05	-2.17e-04	0.0
104	27	-0.11	0.05	-0.33	-5.95e-05	-2.22e-04	0.0
104	32	-0.04	-0.14	-0.33	-6.44e-05	-2.18e-04	0.0
104	45	0.06	0.02	-0.33	-5.76e-05	-2.18e-04	0.0
104	59	-0.05	0.02	-0.33	-5.93e-05	-2.21e-04	0.0
104	64	-0.02	-0.07	-0.33	-6.17e-05	-2.19e-04	0.0
104	77	0.12	0.05	-0.32	-5.58e-05	-2.17e-04	0.0
104	96	-0.04	-0.14	-0.33	-6.44e-05	-2.18e-04	0.0
104	112	3.86e-03	-6.01e-03	-0.33	-5.92e-05	-2.19e-04	0.0
104	116	3.86e-03	-6.01e-03	-0.33	-5.92e-05	-2.19e-04	0.0
104	120	3.86e-03	-6.01e-03	-0.33	-5.92e-05	-2.19e-04	0.0
104	124	3.86e-03	-6.01e-03	-0.33	-5.92e-05	-2.19e-04	0.0
105	4	6.14e-03	-7.59e-03	-0.46	-7.43e-06	-3.51e-04	0.0
105	7	6.14e-03	-7.59e-03	-0.29	-7.43e-06	-3.51e-04	0.0
105	12	5.32e-03	-6.58e-03	-0.38	-6.44e-06	-3.04e-04	0.0
105	25	0.12	4.09e-03	-0.33	-3.51e-06	-2.31e-04	0.0
105	28	-0.11	-0.01	-0.33	-6.40e-06	-2.37e-04	0.0
105	34	0.04	-0.14	-0.33	-1.02e-05	-2.33e-04	0.0
105	57	0.06	-6.90e-04	-0.33	-4.26e-06	-2.33e-04	0.0
105	60	-0.05	-9.43e-03	-0.33	-5.65e-06	-2.36e-04	0.0
105	66	0.02	-0.07	-0.33	-7.48e-06	-2.34e-04	0.0
105	89	0.12	4.09e-03	-0.33	-3.51e-06	-2.31e-04	0.0
105	98	0.04	-0.14	-0.33	-1.02e-05	-2.33e-04	0.0
105	111	4.09e-03	-5.06e-03	-0.25	-4.95e-06	-2.34e-04	0.0
105	112	4.09e-03	-5.06e-03	-0.33	-4.95e-06	-2.34e-04	0.0
105	115	4.09e-03	-5.06e-03	-0.25	-4.95e-06	-2.34e-04	0.0
105	116	4.09e-03	-5.06e-03	-0.33	-4.95e-06	-2.34e-04	0.0
105	119	4.09e-03	-5.06e-03	-0.25	-4.95e-06	-2.34e-04	0.0
105	120	4.09e-03	-5.06e-03	-0.33	-4.95e-06	-2.34e-04	0.0
105	123	4.09e-03	-5.06e-03	-0.25	-4.95e-06	-2.34e-04	0.0
105	124	4.09e-03	-5.06e-03	-0.33	-4.95e-06	-2.34e-04	0.0
106	4	5.81e-03	-6.12e-03	-0.46	7.68e-05	-3.35e-04	0.0
106	7	5.81e-03	-6.12e-03	-0.28	7.68e-05	-3.35e-04	0.0
106	12	5.03e-03	-5.30e-03	-0.37	6.65e-05	-2.90e-04	0.0
106	20	-0.11	-0.06	-0.33	5.14e-05	-2.26e-04	0.0
106	22	0.12	-0.06	-0.33	4.78e-05	-2.21e-04	0.0
106	34	0.04	-0.14	-0.33	4.60e-05	-2.24e-04	0.0
106	52	-0.05	-0.03	-0.33	5.13e-05	-2.25e-04	0.0
106	54	0.06	-0.03	-0.33	4.95e-05	-2.22e-04	0.0
106	66	0.02	-0.07	-0.33	4.87e-05	-2.24e-04	0.0
106	86	0.12	-0.06	-0.33	4.78e-05	-2.21e-04	0.0
106	98	0.04	-0.14	-0.33	4.60e-05	-2.24e-04	0.0
106	111	3.87e-03	-4.08e-03	-0.25	5.12e-05	-2.23e-04	0.0
106	112	3.87e-03	-4.08e-03	-0.33	5.12e-05	-2.23e-04	0.0
106	115	3.87e-03	-4.08e-03	-0.25	5.12e-05	-2.23e-04	0.0
106	116	3.87e-03	-4.08e-03	-0.33	5.12e-05	-2.23e-04	0.0
106	119	3.87e-03	-4.08e-03	-0.25	5.12e-05	-2.23e-04	0.0
106	120	3.87e-03	-4.08e-03	-0.33	5.12e-05	-2.23e-04	0.0
106	123	3.87e-03	-4.08e-03	-0.25	5.12e-05	-2.23e-04	0.0
106	124	3.87e-03	-4.08e-03	-0.33	5.12e-05	-2.23e-04	0.0
107	4	4.94e-03	-5.04e-03	-0.45	1.38e-04	-2.87e-04	0.0
107	7	4.94e-03	-5.04e-03	-0.27	1.38e-04	-2.87e-04	0.0
107	12	4.28e-03	-4.37e-03	-0.36	1.19e-04	-2.48e-04	0.0
107	20	-0.11	-0.06	-0.32	9.37e-05	-1.94e-04	0.0
107	22	0.13	-0.06	-0.32	8.76e-05	-1.90e-04	0.0

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107	34	0.05	-0.14	-0.32	8.78e-05	-1.94e-04	0.0
107	52	-0.05	-0.03	-0.32	9.27e-05	-1.92e-04	0.0
107	54	0.06	-0.03	-0.32	8.98e-05	-1.91e-04	0.0
107	66	0.03	-0.07	-0.32	8.99e-05	-1.92e-04	0.0
107	86	0.13	-0.06	-0.32	8.76e-05	-1.90e-04	0.0
107	98	0.05	-0.14	-0.32	8.78e-05	-1.94e-04	0.0
107	111	3.29e-03	-3.36e-03	-0.24	9.18e-05	-1.91e-04	0.0
107	112	3.29e-03	-3.36e-03	-0.32	9.18e-05	-1.91e-04	0.0
107	115	3.29e-03	-3.36e-03	-0.24	9.18e-05	-1.91e-04	0.0
107	116	3.29e-03	-3.36e-03	-0.32	9.18e-05	-1.91e-04	0.0
107	119	3.29e-03	-3.36e-03	-0.24	9.18e-05	-1.91e-04	0.0
107	120	3.29e-03	-3.36e-03	-0.32	9.18e-05	-1.91e-04	0.0
107	123	3.29e-03	-3.36e-03	-0.24	9.18e-05	-1.91e-04	0.0
107	124	3.29e-03	-3.36e-03	-0.32	9.18e-05	-1.91e-04	0.0
108	4	3.84e-03	-4.56e-03	-0.43	1.64e-04	-2.24e-04	0.0
108	7	3.84e-03	-4.56e-03	-0.26	1.64e-04	-2.24e-04	0.0
108	12	3.33e-03	-3.95e-03	-0.35	1.42e-04	-1.95e-04	0.0
108	20	-0.11	-0.06	-0.31	1.12e-04	-1.52e-04	0.0
108	22	0.13	-0.06	-0.31	1.05e-04	-1.50e-04	0.0
108	34	0.06	-0.14	-0.31	1.07e-04	-1.53e-04	0.0
108	52	-0.05	-0.03	-0.31	1.11e-04	-1.51e-04	0.0
108	54	0.06	-0.03	-0.31	1.08e-04	-1.50e-04	0.0
108	66	0.03	-0.07	-0.31	1.08e-04	-1.51e-04	0.0
108	86	0.13	-0.06	-0.31	1.05e-04	-1.50e-04	0.0
108	98	0.06	-0.14	-0.31	1.07e-04	-1.53e-04	0.0
108	111	2.56e-03	-3.04e-03	-0.23	1.10e-04	-1.50e-04	0.0
108	112	2.56e-03	-3.04e-03	-0.31	1.10e-04	-1.50e-04	0.0
108	115	2.56e-03	-3.04e-03	-0.23	1.10e-04	-1.50e-04	0.0
108	116	2.56e-03	-3.04e-03	-0.31	1.10e-04	-1.50e-04	0.0
108	119	2.56e-03	-3.04e-03	-0.23	1.10e-04	-1.50e-04	0.0
108	120	2.56e-03	-3.04e-03	-0.31	1.10e-04	-1.50e-04	0.0
108	123	2.56e-03	-3.04e-03	-0.23	1.10e-04	-1.50e-04	0.0
108	124	2.56e-03	-3.04e-03	-0.31	1.10e-04	-1.50e-04	0.0
109	4	2.78e-03	-4.59e-03	-0.42	1.61e-04	-1.64e-04	0.0
109	7	2.78e-03	-4.59e-03	-0.24	1.61e-04	-1.64e-04	0.0
109	12	2.41e-03	-3.98e-03	-0.34	1.40e-04	-1.42e-04	0.0
109	20	-0.11	-0.06	-0.30	1.11e-04	-1.11e-04	0.0
109	22	0.13	-0.06	-0.30	1.04e-04	-1.10e-04	0.0
109	34	0.06	-0.14	-0.30	1.07e-04	-1.13e-04	0.0
109	52	-0.05	-0.03	-0.30	1.09e-04	-1.10e-04	0.0
109	54	0.07	-0.03	-0.30	1.06e-04	-1.10e-04	0.0
109	66	0.03	-0.07	-0.30	1.07e-04	-1.11e-04	0.0
109	86	0.13	-0.06	-0.30	1.04e-04	-1.10e-04	0.0
109	98	0.06	-0.14	-0.30	1.07e-04	-1.13e-04	0.0
109	111	1.85e-03	-3.06e-03	-0.22	1.08e-04	-1.09e-04	0.0
109	112	1.85e-03	-3.06e-03	-0.30	1.08e-04	-1.09e-04	0.0
109	115	1.85e-03	-3.06e-03	-0.22	1.08e-04	-1.09e-04	0.0
109	116	1.85e-03	-3.06e-03	-0.30	1.08e-04	-1.09e-04	0.0
109	119	1.85e-03	-3.06e-03	-0.22	1.08e-04	-1.09e-04	0.0
109	120	1.85e-03	-3.06e-03	-0.30	1.08e-04	-1.09e-04	0.0
109	123	1.85e-03	-3.06e-03	-0.22	1.08e-04	-1.09e-04	0.0
109	124	1.85e-03	-3.06e-03	-0.30	1.08e-04	-1.09e-04	0.0
110	4	1.89e-03	-4.94e-03	-0.40	1.40e-04	-1.13e-04	0.0
110	7	1.89e-03	-4.94e-03	-0.23	1.40e-04	-1.13e-04	0.0
110	12	1.64e-03	-4.28e-03	-0.33	1.21e-04	-9.81e-05	0.0
110	22	0.14	-0.06	-0.29	9.08e-05	-7.60e-05	0.0
110	34	0.07	-0.14	-0.29	9.38e-05	-7.82e-05	0.0
110	40	-0.06	-0.12	-0.29	9.51e-05	-7.81e-05	0.0
110	54	0.07	-0.03	-0.29	9.20e-05	-7.57e-05	0.0
110	66	0.03	-0.07	-0.29	9.35e-05	-7.68e-05	0.0
110	72	-0.03	-0.06	-0.29	9.41e-05	-7.67e-05	0.0
110	86	0.14	-0.06	-0.29	9.08e-05	-7.60e-05	0.0
110	98	0.07	-0.14	-0.29	9.38e-05	-7.82e-05	0.0
110	111	1.26e-03	-3.29e-03	-0.21	9.32e-05	-7.55e-05	0.0
110	112	1.26e-03	-3.29e-03	-0.29	9.32e-05	-7.55e-05	0.0

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110	115	1.26e-03	-3.29e-03	-0.21	9.32e-05	-7.55e-05	0.0
110	116	1.26e-03	-3.29e-03	-0.29	9.32e-05	-7.55e-05	0.0
110	119	1.26e-03	-3.29e-03	-0.21	9.32e-05	-7.55e-05	0.0
110	120	1.26e-03	-3.29e-03	-0.29	9.32e-05	-7.55e-05	0.0
110	123	1.26e-03	-3.29e-03	-0.21	9.32e-05	-7.55e-05	0.0
110	124	1.26e-03	-3.29e-03	-0.29	9.32e-05	-7.55e-05	0.0
111	4	1.73e-03	-8.99e-03	-0.39	-9.55e-05	-9.43e-05	0.0
111	12	1.50e-03	-7.79e-03	-0.32	-8.28e-05	-8.17e-05	0.0
111	13	0.14	0.06	-0.28	-6.13e-05	-6.28e-05	0.0
111	27	-0.11	0.05	-0.29	-6.62e-05	-6.41e-05	0.0
111	32	-0.07	-0.14	-0.28	-6.36e-05	-6.05e-05	0.0
111	45	0.07	0.03	-0.28	-6.26e-05	-6.28e-05	0.0
111	59	-0.05	0.02	-0.29	-6.49e-05	-6.34e-05	0.0
111	64	-0.03	-0.07	-0.28	-6.36e-05	-6.17e-05	0.0
111	77	0.14	0.06	-0.28	-6.13e-05	-6.28e-05	0.0
111	96	-0.07	-0.14	-0.28	-6.36e-05	-6.05e-05	0.0
111	112	1.16e-03	-5.99e-03	-0.29	-6.37e-05	-6.28e-05	0.0
111	116	1.16e-03	-5.99e-03	-0.29	-6.37e-05	-6.28e-05	0.0
111	120	1.16e-03	-5.99e-03	-0.29	-6.37e-05	-6.28e-05	0.0
111	124	1.16e-03	-5.99e-03	-0.29	-6.37e-05	-6.28e-05	0.0
112	4	2.43e-03	-9.25e-03	-0.40	-1.09e-04	-1.34e-04	0.0
112	12	2.10e-03	-8.01e-03	-0.33	-9.46e-05	-1.16e-04	0.0
112	13	0.13	0.06	-0.29	-6.99e-05	-8.90e-05	0.0
112	27	-0.11	0.05	-0.29	-7.55e-05	-9.13e-05	0.0
112	32	-0.06	-0.14	-0.29	-7.33e-05	-8.70e-05	0.0
112	45	0.07	0.03	-0.29	-7.14e-05	-8.92e-05	0.0
112	59	-0.05	0.02	-0.29	-7.41e-05	-9.03e-05	0.0
112	64	-0.03	-0.07	-0.29	-7.30e-05	-8.83e-05	0.0
112	77	0.13	0.06	-0.29	-6.99e-05	-8.90e-05	0.0
112	96	-0.06	-0.14	-0.29	-7.33e-05	-8.70e-05	0.0
112	112	1.62e-03	-6.16e-03	-0.29	-7.28e-05	-8.94e-05	0.0
112	116	1.62e-03	-6.16e-03	-0.29	-7.28e-05	-8.94e-05	0.0
112	120	1.62e-03	-6.16e-03	-0.29	-7.28e-05	-8.94e-05	0.0
112	124	1.62e-03	-6.16e-03	-0.29	-7.28e-05	-8.94e-05	0.0
113	4	3.21e-03	-9.28e-03	-0.41	-1.10e-04	-1.80e-04	0.0
113	12	2.79e-03	-8.05e-03	-0.33	-9.57e-05	-1.56e-04	0.0
113	13	0.13	0.06	-0.30	-7.04e-05	-1.19e-04	0.0
113	27	-0.11	0.05	-0.30	-7.57e-05	-1.22e-04	0.0
113	32	-0.05	-0.14	-0.30	-7.56e-05	-1.18e-04	0.0
113	45	0.06	0.03	-0.30	-7.21e-05	-1.19e-04	0.0
113	59	-0.05	0.02	-0.30	-7.46e-05	-1.21e-04	0.0
113	64	-0.02	-0.07	-0.30	-7.46e-05	-1.19e-04	0.0
113	77	0.13	0.06	-0.30	-7.04e-05	-1.19e-04	0.0
113	96	-0.05	-0.14	-0.30	-7.56e-05	-1.18e-04	0.0
113	112	2.14e-03	-6.19e-03	-0.30	-7.36e-05	-1.20e-04	0.0
113	116	2.14e-03	-6.19e-03	-0.30	-7.36e-05	-1.20e-04	0.0
113	120	2.14e-03	-6.19e-03	-0.30	-7.36e-05	-1.20e-04	0.0
113	124	2.14e-03	-6.19e-03	-0.30	-7.36e-05	-1.20e-04	0.0
114	4	3.98e-03	-9.00e-03	-0.42	-9.34e-05	-2.25e-04	0.0
114	12	3.45e-03	-7.80e-03	-0.34	-8.09e-05	-1.95e-04	0.0
114	13	0.13	0.06	-0.30	-5.91e-05	-1.48e-04	0.0
114	27	-0.11	0.05	-0.31	-6.35e-05	-1.53e-04	0.0
114	32	-0.04	-0.14	-0.30	-6.52e-05	-1.48e-04	0.0
114	45	0.06	0.03	-0.30	-6.07e-05	-1.49e-04	0.0
114	59	-0.05	0.02	-0.31	-6.29e-05	-1.51e-04	0.0
114	64	-0.02	-0.07	-0.30	-6.37e-05	-1.49e-04	0.0
114	77	0.13	0.06	-0.30	-5.91e-05	-1.48e-04	0.0
114	96	-0.04	-0.14	-0.30	-6.52e-05	-1.48e-04	0.0
114	112	2.66e-03	-6.00e-03	-0.30	-6.22e-05	-1.50e-04	0.0
114	116	2.66e-03	-6.00e-03	-0.30	-6.22e-05	-1.50e-04	0.0
114	120	2.66e-03	-6.00e-03	-0.30	-6.22e-05	-1.50e-04	0.0
114	124	2.66e-03	-6.00e-03	-0.30	-6.22e-05	-1.50e-04	0.0
115	4	4.56e-03	-8.35e-03	-0.43	-5.62e-05	-2.59e-04	0.0
115	12	3.96e-03	-7.24e-03	-0.35	-4.87e-05	-2.25e-04	0.0
115	13	0.12	0.06	-0.31	-3.50e-05	-1.70e-04	0.0

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115	27	-0.11	0.05	-0.31	-3.75e-05	-1.76e-04	0.0
115	32	-0.04	-0.14	-0.31	-4.10e-05	-1.73e-04	0.0
115	45	0.06	0.03	-0.31	-3.63e-05	-1.72e-04	0.0
115	59	-0.05	0.02	-0.31	-3.75e-05	-1.75e-04	0.0
115	64	-0.02	-0.07	-0.31	-3.92e-05	-1.73e-04	0.0
115	77	0.12	0.06	-0.31	-3.50e-05	-1.70e-04	0.0
115	96	-0.04	-0.14	-0.31	-4.10e-05	-1.73e-04	0.0
115	112	3.04e-03	-5.57e-03	-0.31	-3.74e-05	-1.73e-04	0.0
115	116	3.04e-03	-5.57e-03	-0.31	-3.74e-05	-1.73e-04	0.0
115	120	3.04e-03	-5.57e-03	-0.31	-3.74e-05	-1.73e-04	0.0
115	124	3.04e-03	-5.57e-03	-0.31	-3.74e-05	-1.73e-04	0.0
116	4	4.79e-03	-7.45e-03	-0.43	-4.60e-06	-2.74e-04	0.0
116	7	4.79e-03	-7.45e-03	-0.26	-4.60e-06	-2.74e-04	0.0
116	12	4.15e-03	-6.46e-03	-0.35	-3.98e-06	-2.37e-04	0.0
116	25	0.12	-1.87e-03	-0.31	-2.15e-06	-1.79e-04	0.0
116	28	-0.11	-8.06e-03	-0.31	-3.98e-06	-1.86e-04	0.0
116	34	0.04	-0.14	-0.31	-6.63e-06	-1.82e-04	0.0
116	57	0.06	-3.50e-03	-0.31	-2.63e-06	-1.81e-04	0.0
116	60	-0.05	-6.43e-03	-0.31	-3.50e-06	-1.84e-04	0.0
116	66	0.02	-0.07	-0.31	-4.77e-06	-1.82e-04	0.0
116	89	0.12	-1.87e-03	-0.31	-2.15e-06	-1.79e-04	0.0
116	98	0.04	-0.14	-0.31	-6.63e-06	-1.82e-04	0.0
116	111	3.19e-03	-4.97e-03	-0.23	-3.06e-06	-1.83e-04	0.0
116	112	3.19e-03	-4.97e-03	-0.31	-3.06e-06	-1.83e-04	0.0
116	115	3.19e-03	-4.97e-03	-0.23	-3.06e-06	-1.83e-04	0.0
116	116	3.19e-03	-4.97e-03	-0.31	-3.06e-06	-1.83e-04	0.0
116	119	3.19e-03	-4.97e-03	-0.23	-3.06e-06	-1.83e-04	0.0
116	120	3.19e-03	-4.97e-03	-0.31	-3.06e-06	-1.83e-04	0.0
116	123	3.19e-03	-4.97e-03	-0.23	-3.06e-06	-1.83e-04	0.0
116	124	3.19e-03	-4.97e-03	-0.31	-3.06e-06	-1.83e-04	0.0
117	4	4.57e-03	-6.52e-03	-0.43	4.84e-05	-2.63e-04	0.0
117	7	4.57e-03	-6.52e-03	-0.26	4.84e-05	-2.63e-04	0.0
117	12	3.96e-03	-5.65e-03	-0.35	4.19e-05	-2.28e-04	0.0
117	20	-0.11	-0.06	-0.31	3.23e-05	-1.79e-04	0.0
117	22	0.12	-0.07	-0.31	2.98e-05	-1.73e-04	0.0
117	34	0.04	-0.14	-0.31	2.87e-05	-1.76e-04	0.0
117	52	-0.05	-0.03	-0.31	3.23e-05	-1.77e-04	0.0
117	54	0.06	-0.04	-0.31	3.11e-05	-1.74e-04	0.0
117	66	0.02	-0.07	-0.31	3.05e-05	-1.76e-04	0.0
117	86	0.12	-0.07	-0.31	2.98e-05	-1.73e-04	0.0
117	98	0.04	-0.14	-0.31	2.87e-05	-1.76e-04	0.0
117	111	3.04e-03	-4.35e-03	-0.23	3.22e-05	-1.76e-04	0.0
117	112	3.04e-03	-4.35e-03	-0.31	3.22e-05	-1.76e-04	0.0
117	115	3.04e-03	-4.35e-03	-0.23	3.22e-05	-1.76e-04	0.0
117	116	3.04e-03	-4.35e-03	-0.31	3.22e-05	-1.76e-04	0.0
117	119	3.04e-03	-4.35e-03	-0.23	3.22e-05	-1.76e-04	0.0
117	120	3.04e-03	-4.35e-03	-0.31	3.22e-05	-1.76e-04	0.0
117	123	3.04e-03	-4.35e-03	-0.23	3.22e-05	-1.76e-04	0.0
117	124	3.04e-03	-4.35e-03	-0.31	3.22e-05	-1.76e-04	0.0
118	4	3.98e-03	-5.81e-03	-0.42	8.89e-05	-2.31e-04	0.0
118	7	3.98e-03	-5.81e-03	-0.25	8.89e-05	-2.31e-04	0.0
118	12	3.45e-03	-5.04e-03	-0.34	7.70e-05	-2.00e-04	0.0
118	20	-0.11	-0.06	-0.31	6.05e-05	-1.57e-04	0.0
118	22	0.13	-0.07	-0.30	5.61e-05	-1.52e-04	0.0
118	34	0.05	-0.14	-0.31	5.63e-05	-1.56e-04	0.0
118	52	-0.05	-0.03	-0.31	5.99e-05	-1.56e-04	0.0
118	54	0.06	-0.04	-0.30	5.77e-05	-1.53e-04	0.0
118	66	0.03	-0.07	-0.31	5.78e-05	-1.55e-04	0.0
118	86	0.13	-0.07	-0.30	5.61e-05	-1.52e-04	0.0
118	98	0.05	-0.14	-0.31	5.63e-05	-1.56e-04	0.0
118	111	2.65e-03	-3.88e-03	-0.22	5.92e-05	-1.54e-04	0.0
118	112	2.65e-03	-3.88e-03	-0.31	5.92e-05	-1.54e-04	0.0
118	115	2.65e-03	-3.88e-03	-0.22	5.92e-05	-1.54e-04	0.0
118	116	2.65e-03	-3.88e-03	-0.31	5.92e-05	-1.54e-04	0.0
118	119	2.65e-03	-3.88e-03	-0.22	5.92e-05	-1.54e-04	0.0

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118	120	2.65e-03	-3.88e-03	-0.31	5.92e-05	-1.54e-04	0.0
118	123	2.65e-03	-3.88e-03	-0.22	5.92e-05	-1.54e-04	0.0
118	124	2.65e-03	-3.88e-03	-0.31	5.92e-05	-1.54e-04	0.0
119	4	3.19e-03	-5.45e-03	-0.41	1.09e-04	-1.87e-04	0.0
119	7	3.19e-03	-5.45e-03	-0.24	1.09e-04	-1.87e-04	0.0
119	12	2.76e-03	-4.72e-03	-0.34	9.48e-05	-1.62e-04	0.0
119	20	-0.11	-0.06	-0.30	7.50e-05	-1.27e-04	0.0
119	22	0.13	-0.07	-0.30	6.97e-05	-1.24e-04	0.0
119	34	0.06	-0.14	-0.30	7.10e-05	-1.27e-04	0.0
119	52	-0.05	-0.03	-0.30	7.40e-05	-1.26e-04	0.0
119	54	0.06	-0.04	-0.30	7.14e-05	-1.24e-04	0.0
119	66	0.03	-0.07	-0.30	7.20e-05	-1.26e-04	0.0
119	86	0.13	-0.07	-0.30	6.97e-05	-1.24e-04	0.0
119	98	0.06	-0.14	-0.30	7.10e-05	-1.27e-04	0.0
119	111	2.12e-03	-3.63e-03	-0.22	7.29e-05	-1.25e-04	0.0
119	112	2.12e-03	-3.63e-03	-0.30	7.29e-05	-1.25e-04	0.0
119	115	2.12e-03	-3.63e-03	-0.22	7.29e-05	-1.25e-04	0.0
119	116	2.12e-03	-3.63e-03	-0.30	7.29e-05	-1.25e-04	0.0
119	119	2.12e-03	-3.63e-03	-0.22	7.29e-05	-1.25e-04	0.0
119	120	2.12e-03	-3.63e-03	-0.30	7.29e-05	-1.25e-04	0.0
119	123	2.12e-03	-3.63e-03	-0.22	7.29e-05	-1.25e-04	0.0
119	124	2.12e-03	-3.63e-03	-0.30	7.29e-05	-1.25e-04	0.0
120	4	2.37e-03	-5.41e-03	-0.40	1.11e-04	-1.41e-04	0.0
120	7	2.37e-03	-5.41e-03	-0.23	1.11e-04	-1.41e-04	0.0
120	12	2.06e-03	-4.69e-03	-0.33	9.60e-05	-1.22e-04	0.0
120	20	-0.11	-0.06	-0.29	7.66e-05	-9.58e-05	0.0
120	22	0.13	-0.07	-0.29	7.10e-05	-9.35e-05	0.0
120	34	0.06	-0.14	-0.29	7.33e-05	-9.64e-05	0.0
120	52	-0.05	-0.03	-0.29	7.52e-05	-9.48e-05	0.0
120	54	0.06	-0.04	-0.29	7.25e-05	-9.37e-05	0.0
120	66	0.03	-0.07	-0.29	7.36e-05	-9.51e-05	0.0
120	86	0.13	-0.07	-0.29	7.10e-05	-9.35e-05	0.0
120	98	0.06	-0.14	-0.29	7.33e-05	-9.64e-05	0.0
120	111	1.58e-03	-3.61e-03	-0.21	7.38e-05	-9.39e-05	0.0
120	112	1.58e-03	-3.61e-03	-0.29	7.38e-05	-9.39e-05	0.0
120	115	1.58e-03	-3.61e-03	-0.21	7.38e-05	-9.39e-05	0.0
120	116	1.58e-03	-3.61e-03	-0.29	7.38e-05	-9.39e-05	0.0
120	119	1.58e-03	-3.61e-03	-0.21	7.38e-05	-9.39e-05	0.0
120	120	1.58e-03	-3.61e-03	-0.29	7.38e-05	-9.39e-05	0.0
120	123	1.58e-03	-3.61e-03	-0.21	7.38e-05	-9.39e-05	0.0
120	124	1.58e-03	-3.61e-03	-0.29	7.38e-05	-9.39e-05	0.0
121	4	1.65e-03	-5.60e-03	-0.39	9.85e-05	-9.98e-05	0.0
121	7	1.65e-03	-5.60e-03	-0.22	9.85e-05	-9.98e-05	0.0
121	12	1.43e-03	-4.86e-03	-0.32	8.54e-05	-8.65e-05	0.0
121	20	-0.11	-0.06	-0.29	6.82e-05	-6.78e-05	0.0
121	22	0.14	-0.07	-0.29	6.33e-05	-6.65e-05	0.0
121	34	0.07	-0.14	-0.29	6.58e-05	-6.89e-05	0.0
121	52	-0.05	-0.03	-0.29	6.69e-05	-6.71e-05	0.0
121	54	0.07	-0.04	-0.29	6.45e-05	-6.65e-05	0.0
121	66	0.03	-0.07	-0.29	6.57e-05	-6.77e-05	0.0
121	86	0.14	-0.07	-0.29	6.33e-05	-6.65e-05	0.0
121	98	0.07	-0.14	-0.29	6.58e-05	-6.89e-05	0.0
121	111	1.10e-03	-3.74e-03	-0.21	6.57e-05	-6.65e-05	0.0
121	112	1.10e-03	-3.74e-03	-0.29	6.57e-05	-6.65e-05	0.0
121	115	1.10e-03	-3.74e-03	-0.21	6.57e-05	-6.65e-05	0.0
121	116	1.10e-03	-3.74e-03	-0.29	6.57e-05	-6.65e-05	0.0
121	119	1.10e-03	-3.74e-03	-0.21	6.57e-05	-6.65e-05	0.0
121	120	1.10e-03	-3.74e-03	-0.29	6.57e-05	-6.65e-05	0.0
121	123	1.10e-03	-3.74e-03	-0.21	6.57e-05	-6.65e-05	0.0
121	124	1.10e-03	-3.74e-03	-0.29	6.57e-05	-6.65e-05	0.0
122	4	2.97e-03	-7.30e-03	-0.40	-2.15e-06	-1.70e-04	0.0
122	12	2.57e-03	-6.33e-03	-0.33	-1.86e-06	-1.48e-04	0.0
122	25	0.12	-0.01	-0.29	-1.02e-06	-1.10e-04	0.0
122	28	-0.11	9.47e-04	-0.29	-1.85e-06	-1.17e-04	0.0
122	34	0.04	-0.15	-0.29	-3.39e-06	-1.13e-04	0.0

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122	57	0.06	-7.69e-03	-0.29	-1.23e-06	-1.12e-04	0.0
122	60	-0.05	-2.05e-03	-0.29	-1.63e-06	-1.15e-04	0.0
122	66	0.02	-0.07	-0.29	-2.37e-06	-1.13e-04	0.0
122	89	0.12	-0.01	-0.29	-1.02e-06	-1.10e-04	0.0
122	98	0.04	-0.15	-0.29	-3.39e-06	-1.13e-04	0.0
122	112	1.98e-03	-4.87e-03	-0.29	-1.43e-06	-1.14e-04	0.0
122	116	1.98e-03	-4.87e-03	-0.29	-1.43e-06	-1.14e-04	0.0
122	120	1.98e-03	-4.87e-03	-0.29	-1.43e-06	-1.14e-04	0.0
122	124	1.98e-03	-4.87e-03	-0.29	-1.43e-06	-1.14e-04	0.0
123	4	2.82e-03	-6.77e-03	-0.40	2.86e-05	-1.63e-04	0.0
123	7	2.82e-03	-6.77e-03	-0.23	2.86e-05	-1.63e-04	0.0
123	12	2.44e-03	-5.87e-03	-0.32	2.48e-05	-1.42e-04	0.0
123	20	-0.11	-0.07	-0.29	1.91e-05	-1.12e-04	0.0
123	22	0.12	-0.08	-0.29	1.73e-05	-1.06e-04	0.0
123	34	0.04	-0.15	-0.29	1.71e-05	-1.09e-04	0.0
123	52	-0.05	-0.04	-0.29	1.91e-05	-1.11e-04	0.0
123	54	0.06	-0.04	-0.29	1.82e-05	-1.08e-04	0.0
123	66	0.02	-0.07	-0.29	1.81e-05	-1.09e-04	0.0
123	86	0.12	-0.08	-0.29	1.73e-05	-1.06e-04	0.0
123	98	0.04	-0.15	-0.29	1.71e-05	-1.09e-04	0.0
123	111	1.88e-03	-4.51e-03	-0.21	1.91e-05	-1.09e-04	0.0
123	112	1.88e-03	-4.51e-03	-0.29	1.91e-05	-1.09e-04	0.0
123	115	1.88e-03	-4.51e-03	-0.21	1.91e-05	-1.09e-04	0.0
123	116	1.88e-03	-4.51e-03	-0.29	1.91e-05	-1.09e-04	0.0
123	119	1.88e-03	-4.51e-03	-0.21	1.91e-05	-1.09e-04	0.0
123	120	1.88e-03	-4.51e-03	-0.29	1.91e-05	-1.09e-04	0.0
123	123	1.88e-03	-4.51e-03	-0.21	1.91e-05	-1.09e-04	0.0
123	124	1.88e-03	-4.51e-03	-0.29	1.91e-05	-1.09e-04	0.0
124	4	1.61e-03	-7.20e-03	-0.38	0.0	-9.27e-05	0.0
124	7	1.61e-03	-7.20e-03	-0.21	0.0	-9.27e-05	0.0
124	12	1.40e-03	-6.24e-03	-0.31	0.0	-8.03e-05	0.0
124	25	0.11	-0.02	-0.28	0.0	-5.90e-05	0.0
124	28	-0.11	9.72e-03	-0.28	0.0	-6.46e-05	0.0
124	34	0.04	-0.16	-0.28	-1.57e-06	-6.10e-05	0.0
124	57	0.06	-0.01	-0.28	0.0	-6.05e-05	0.0
124	60	-0.05	2.20e-03	-0.28	0.0	-6.31e-05	0.0
124	66	0.02	-0.08	-0.28	-1.06e-06	-6.14e-05	0.0
124	89	0.11	-0.02	-0.28	0.0	-5.90e-05	0.0
124	98	0.04	-0.16	-0.28	-1.57e-06	-6.10e-05	0.0
124	111	1.08e-03	-4.80e-03	-0.20	0.0	-6.18e-05	0.0
124	112	1.08e-03	-4.80e-03	-0.28	0.0	-6.18e-05	0.0
124	115	1.08e-03	-4.80e-03	-0.20	0.0	-6.18e-05	0.0
124	116	1.08e-03	-4.80e-03	-0.28	0.0	-6.18e-05	0.0
124	119	1.08e-03	-4.80e-03	-0.20	0.0	-6.18e-05	0.0
124	120	1.08e-03	-4.80e-03	-0.28	0.0	-6.18e-05	0.0
124	123	1.08e-03	-4.80e-03	-0.20	0.0	-6.18e-05	0.0
124	124	1.08e-03	-4.80e-03	-0.28	0.0	-6.18e-05	0.0
125	4	1.51e-03	-6.93e-03	-0.38	1.51e-05	-8.88e-05	0.0
125	7	1.51e-03	-6.93e-03	-0.21	1.51e-05	-8.88e-05	0.0
125	12	1.31e-03	-6.00e-03	-0.31	1.31e-05	-7.70e-05	0.0
125	20	-0.11	-0.08	-0.28	1.00e-05	-6.20e-05	0.0
125	22	0.12	-0.09	-0.28	8.85e-06	-5.68e-05	0.0
125	34	0.04	-0.16	-0.28	9.03e-06	-5.91e-05	0.0
125	52	-0.05	-0.04	-0.28	1.01e-05	-6.05e-05	0.0
125	54	0.06	-0.05	-0.28	9.49e-06	-5.80e-05	0.0
125	66	0.02	-0.08	-0.28	9.57e-06	-5.91e-05	0.0
125	86	0.12	-0.09	-0.28	8.85e-06	-5.68e-05	0.0
125	98	0.04	-0.16	-0.28	9.03e-06	-5.91e-05	0.0
125	111	1.01e-03	-4.62e-03	-0.20	1.01e-05	-5.92e-05	0.0
125	112	1.01e-03	-4.62e-03	-0.28	1.01e-05	-5.92e-05	0.0
125	115	1.01e-03	-4.62e-03	-0.20	1.01e-05	-5.92e-05	0.0
125	116	1.01e-03	-4.62e-03	-0.28	1.01e-05	-5.92e-05	0.0
125	119	1.01e-03	-4.62e-03	-0.20	1.01e-05	-5.92e-05	0.0
125	120	1.01e-03	-4.62e-03	-0.28	1.01e-05	-5.92e-05	0.0
125	123	1.01e-03	-4.62e-03	-0.20	1.01e-05	-5.92e-05	0.0

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125	124	1.01e-03	-4.62e-03	-0.28	1.01e-05	-5.92e-05	0.0
126	4	7.32e-04	-7.13e-03	-0.37	0.0	-4.23e-05	0.0
126	12	6.35e-04	-6.18e-03	-0.30	0.0	-3.66e-05	0.0
126	25	0.11	-0.03	-0.27	0.0	-2.61e-05	0.0
126	27	-0.11	0.08	-0.27	0.0	-3.03e-05	0.0
126	34	0.03	-0.17	-0.27	0.0	-2.75e-05	0.0
126	57	0.05	-0.02	-0.27	0.0	-2.72e-05	0.0
126	59	-0.05	0.04	-0.27	0.0	-2.92e-05	0.0
126	66	0.02	-0.08	-0.27	0.0	-2.79e-05	0.0
126	89	0.11	-0.03	-0.27	0.0	-2.61e-05	0.0
126	98	0.03	-0.17	-0.27	0.0	-2.75e-05	0.0
126	112	4.88e-04	-4.75e-03	-0.27	0.0	-2.82e-05	0.0
126	116	4.88e-04	-4.75e-03	-0.27	0.0	-2.82e-05	0.0
126	120	4.88e-04	-4.75e-03	-0.27	0.0	-2.82e-05	0.0
126	124	4.88e-04	-4.75e-03	-0.27	0.0	-2.82e-05	0.0
127	4	6.67e-04	-7.01e-03	-0.37	6.80e-06	-4.04e-05	0.0
127	7	6.67e-04	-7.01e-03	-0.20	6.80e-06	-4.04e-05	0.0
127	12	5.78e-04	-6.07e-03	-0.30	5.90e-06	-3.50e-05	0.0
127	20	-0.11	-0.09	-0.27	4.47e-06	-2.91e-05	0.0
127	22	0.12	-0.10	-0.27	3.69e-06	-2.51e-05	0.0
127	34	0.04	-0.17	-0.27	4.04e-06	-2.68e-05	0.0
127	52	-0.05	-0.04	-0.27	4.51e-06	-2.80e-05	0.0
127	54	0.06	-0.05	-0.27	4.13e-06	-2.60e-05	0.0
127	66	0.02	-0.08	-0.27	4.30e-06	-2.68e-05	0.0
127	86	0.12	-0.10	-0.27	3.69e-06	-2.51e-05	0.0
127	98	0.04	-0.17	-0.27	4.04e-06	-2.68e-05	0.0
127	111	4.45e-04	-4.67e-03	-0.19	4.54e-06	-2.69e-05	0.0
127	112	4.45e-04	-4.67e-03	-0.27	4.54e-06	-2.69e-05	0.0
127	115	4.45e-04	-4.67e-03	-0.19	4.54e-06	-2.69e-05	0.0
127	116	4.45e-04	-4.67e-03	-0.27	4.54e-06	-2.69e-05	0.0
127	119	4.45e-04	-4.67e-03	-0.19	4.54e-06	-2.69e-05	0.0
127	120	4.45e-04	-4.67e-03	-0.27	4.54e-06	-2.69e-05	0.0
127	123	4.45e-04	-4.67e-03	-0.19	4.54e-06	-2.69e-05	0.0
127	124	4.45e-04	-4.67e-03	-0.27	4.54e-06	-2.69e-05	0.0
128	2	0.0	0.0	-0.37	0.0	0.0	0.0
128	7	2.30e-04	-7.07e-03	-0.20	0.0	-1.35e-05	0.0
128	10	0.0	0.0	-0.30	0.0	0.0	0.0
128	25	0.11	-0.04	-0.27	0.0	-7.48e-06	0.0
128	27	-0.11	0.09	-0.27	0.0	-1.05e-05	0.0
128	34	0.03	-0.18	-0.27	0.0	-8.55e-06	0.0
128	57	0.05	-0.02	-0.27	0.0	-8.28e-06	0.0
128	59	-0.05	0.04	-0.27	0.0	-9.74e-06	0.0
128	66	0.02	-0.09	-0.27	0.0	-8.79e-06	0.0
128	89	0.11	-0.04	-0.27	0.0	-7.48e-06	0.0
128	98	0.03	-0.18	-0.27	0.0	-8.55e-06	0.0
128	110	0.0	0.0	-0.27	0.0	0.0	0.0
128	111	1.53e-04	-4.71e-03	-0.19	0.0	-9.01e-06	0.0
128	114	0.0	0.0	-0.27	0.0	0.0	0.0
128	115	1.53e-04	-4.71e-03	-0.19	0.0	-9.01e-06	0.0
128	118	0.0	0.0	-0.27	0.0	0.0	0.0
128	119	1.53e-04	-4.71e-03	-0.19	0.0	-9.01e-06	0.0
128	122	0.0	0.0	-0.27	0.0	0.0	0.0
128	123	1.53e-04	-4.71e-03	-0.19	0.0	-9.01e-06	0.0
129	2	0.0	0.0	-0.37	0.0	0.0	0.0
129	7	1.84e-04	-7.03e-03	-0.20	2.25e-06	-1.28e-05	0.0
129	10	0.0	0.0	-0.30	0.0	0.0	0.0
129	20	-0.11	-0.10	-0.27	1.19e-06	-1.03e-05	0.0
129	22	0.12	-0.11	-0.27	1.04e-06	-7.27e-06	0.0
129	34	0.05	-0.17	-0.27	1.50e-06	-8.32e-06	0.0
129	52	-0.05	-0.05	-0.27	1.35e-06	-9.37e-06	0.0
129	54	0.06	-0.06	-0.27	1.28e-06	-7.92e-06	0.0
129	66	0.02	-0.09	-0.27	1.50e-06	-8.42e-06	0.0
129	86	0.12	-0.11	-0.27	1.04e-06	-7.27e-06	0.0
129	98	0.05	-0.17	-0.27	1.50e-06	-8.32e-06	0.0
129	110	0.0	0.0	-0.27	0.0	0.0	0.0

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129	111	1.23e-04	-4.69e-03	-0.19	1.50e-06	-8.52e-06	0.0
129	114	0.0	0.0	-0.27	0.0	0.0	0.0
129	115	1.23e-04	-4.69e-03	-0.19	1.50e-06	-8.52e-06	0.0
129	118	0.0	0.0	-0.27	0.0	0.0	0.0
129	119	1.23e-04	-4.69e-03	-0.19	1.50e-06	-8.52e-06	0.0
129	122	0.0	0.0	-0.27	0.0	0.0	0.0
129	123	1.23e-04	-4.69e-03	-0.19	1.50e-06	-8.52e-06	0.0
130	2	0.0	0.0	-0.37	0.0	0.0	0.0
130	4	-1.49e-05	-7.02e-03	-0.37	0.0	0.0	0.0
130	7	-1.49e-05	-7.02e-03	-0.20	0.0	0.0	0.0
130	10	0.0	0.0	-0.30	0.0	0.0	0.0
130	27	-0.11	0.10	-0.27	0.0	0.0	0.0
130	28	-0.11	0.03	-0.27	0.0	0.0	0.0
130	34	0.03	-0.18	-0.27	0.0	0.0	0.0
130	59	-0.05	0.04	-0.27	0.0	0.0	0.0
130	60	-0.05	0.01	-0.27	0.0	0.0	0.0
130	66	0.02	-0.09	-0.27	0.0	0.0	0.0
130	92	-0.11	0.03	-0.27	0.0	0.0	0.0
130	98	0.03	-0.18	-0.27	0.0	0.0	0.0
130	110	0.0	0.0	-0.27	0.0	0.0	0.0
130	111	-9.94e-06	-4.68e-03	-0.19	0.0	0.0	0.0
130	112	-9.94e-06	-4.68e-03	-0.27	0.0	0.0	0.0
130	114	0.0	0.0	-0.27	0.0	0.0	0.0
130	115	-9.94e-06	-4.68e-03	-0.19	0.0	0.0	0.0
130	116	-9.94e-06	-4.68e-03	-0.27	0.0	0.0	0.0
130	118	0.0	0.0	-0.27	0.0	0.0	0.0
130	119	-9.94e-06	-4.68e-03	-0.19	0.0	0.0	0.0
130	120	-9.94e-06	-4.68e-03	-0.27	0.0	0.0	0.0
130	122	0.0	0.0	-0.27	0.0	0.0	0.0
130	123	-9.94e-06	-4.68e-03	-0.19	0.0	0.0	0.0
130	124	-9.94e-06	-4.68e-03	-0.27	0.0	0.0	0.0
131	2	0.0	0.0	-0.37	0.0	0.0	0.0
131	4	-5.21e-05	-7.03e-03	-0.37	0.0	0.0	0.0
131	7	-5.21e-05	-7.03e-03	-0.20	0.0	0.0	0.0
131	10	0.0	0.0	-0.30	0.0	0.0	0.0
131	15	-0.11	-0.03	-0.27	0.0	0.0	0.0
131	23	-0.12	0.11	-0.27	0.0	0.0	0.0
131	34	0.05	-0.18	-0.27	0.0	0.0	0.0
131	47	-0.05	-0.02	-0.27	0.0	0.0	0.0
131	55	-0.06	0.05	-0.27	0.0	0.0	0.0
131	66	0.02	-0.09	-0.27	0.0	0.0	0.0
131	87	-0.12	0.11	-0.27	0.0	0.0	0.0
131	98	0.05	-0.18	-0.27	0.0	0.0	0.0
131	110	0.0	0.0	-0.27	0.0	0.0	0.0
131	111	-3.47e-05	-4.68e-03	-0.19	0.0	0.0	0.0
131	112	-3.47e-05	-4.68e-03	-0.27	0.0	0.0	0.0
131	114	0.0	0.0	-0.27	0.0	0.0	0.0
131	115	-3.47e-05	-4.68e-03	-0.19	0.0	0.0	0.0
131	116	-3.47e-05	-4.68e-03	-0.27	0.0	0.0	0.0
131	118	0.0	0.0	-0.27	0.0	0.0	0.0
131	119	-3.47e-05	-4.68e-03	-0.19	0.0	0.0	0.0
131	120	-3.47e-05	-4.68e-03	-0.27	0.0	0.0	0.0
131	122	0.0	0.0	-0.27	0.0	0.0	0.0
131	123	-3.47e-05	-4.68e-03	-0.19	0.0	0.0	0.0
131	124	-3.47e-05	-4.68e-03	-0.27	0.0	0.0	0.0
132	2	0.0	0.0	-0.37	0.0	0.0	0.0
132	4	-1.08e-04	-6.98e-03	-0.37	0.0	5.89e-06	0.0
132	7	-1.08e-04	-6.98e-03	-0.20	0.0	5.89e-06	0.0
132	10	0.0	0.0	-0.30	0.0	0.0	0.0
132	23	-0.11	0.12	-0.27	0.0	2.88e-06	0.0
132	25	0.11	-0.05	-0.27	0.0	4.97e-06	0.0
132	34	0.03	-0.19	-0.27	0.0	4.24e-06	0.0
132	55	-0.05	0.06	-0.27	0.0	3.42e-06	0.0
132	57	0.05	-0.03	-0.27	0.0	4.42e-06	0.0
132	66	0.02	-0.10	-0.27	0.0	4.07e-06	0.0

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132	87	-0.11	0.12	-0.27	0.0	2.88e-06	0.0
132	98	0.03	-0.19	-0.27	0.0	4.24e-06	0.0
132	110	0.0	0.0	-0.27	0.0	0.0	0.0
132	111	-7.20e-05	-4.65e-03	-0.19	0.0	3.92e-06	0.0
132	112	-7.20e-05	-4.65e-03	-0.27	0.0	3.92e-06	0.0
132	114	0.0	0.0	-0.27	0.0	0.0	0.0
132	115	-7.20e-05	-4.65e-03	-0.19	0.0	3.92e-06	0.0
132	116	-7.20e-05	-4.65e-03	-0.27	0.0	3.92e-06	0.0
132	118	0.0	0.0	-0.27	0.0	0.0	0.0
132	119	-7.20e-05	-4.65e-03	-0.19	0.0	3.92e-06	0.0
132	120	-7.20e-05	-4.65e-03	-0.27	0.0	3.92e-06	0.0
132	122	0.0	0.0	-0.27	0.0	0.0	0.0
132	123	-7.20e-05	-4.65e-03	-0.19	0.0	3.92e-06	0.0
132	124	-7.20e-05	-4.65e-03	-0.27	0.0	3.92e-06	0.0
133	2	0.0	0.0	-0.37	0.0	0.0	0.0
133	4	-1.42e-04	-7.00e-03	-0.37	0.0	5.82e-06	0.0
133	7	-1.42e-04	-7.00e-03	-0.20	0.0	5.82e-06	0.0
133	10	0.0	0.0	-0.30	0.0	0.0	0.0
133	23	-0.12	0.12	-0.27	0.0	4.46e-06	0.0
133	25	0.12	-0.05	-0.27	0.0	3.39e-06	0.0
133	34	0.05	-0.19	-0.27	0.0	4.09e-06	0.0
133	55	-0.06	0.06	-0.27	0.0	4.16e-06	0.0
133	57	0.06	-0.03	-0.27	0.0	3.65e-06	0.0
133	66	0.02	-0.09	-0.27	0.0	3.98e-06	0.0
133	87	-0.12	0.12	-0.27	0.0	4.46e-06	0.0
133	98	0.05	-0.19	-0.27	0.0	4.09e-06	0.0
133	110	0.0	0.0	-0.27	0.0	0.0	0.0
133	111	-9.50e-05	-4.67e-03	-0.19	0.0	3.88e-06	0.0
133	112	-9.50e-05	-4.67e-03	-0.27	0.0	3.88e-06	0.0
133	114	0.0	0.0	-0.27	0.0	0.0	0.0
133	115	-9.50e-05	-4.67e-03	-0.19	0.0	3.88e-06	0.0
133	116	-9.50e-05	-4.67e-03	-0.27	0.0	3.88e-06	0.0
133	118	0.0	0.0	-0.27	0.0	0.0	0.0
133	119	-9.50e-05	-4.67e-03	-0.19	0.0	3.88e-06	0.0
133	120	-9.50e-05	-4.67e-03	-0.27	0.0	3.88e-06	0.0
133	122	0.0	0.0	-0.27	0.0	0.0	0.0
133	123	-9.50e-05	-4.67e-03	-0.19	0.0	3.88e-06	0.0
133	124	-9.50e-05	-4.67e-03	-0.27	0.0	3.88e-06	0.0
134	2	0.0	0.0	-0.37	0.0	0.0	0.0
134	4	-1.26e-04	-6.94e-03	-0.37	0.0	6.93e-06	0.0
134	7	-1.26e-04	-6.94e-03	-0.20	0.0	6.93e-06	0.0
134	10	0.0	0.0	-0.30	0.0	0.0	0.0
134	17	0.11	0.11	-0.27	0.0	5.96e-06	0.0
134	23	-0.11	0.13	-0.27	0.0	3.28e-06	0.0
134	34	0.03	-0.20	-0.27	0.0	5.02e-06	0.0
134	49	0.05	0.05	-0.27	0.0	5.26e-06	0.0
134	55	-0.05	0.06	-0.27	0.0	3.98e-06	0.0
134	66	0.02	-0.10	-0.27	0.0	4.81e-06	0.0
134	87	-0.11	0.13	-0.27	0.0	3.28e-06	0.0
134	98	0.03	-0.20	-0.27	0.0	5.02e-06	0.0
134	110	0.0	0.0	-0.27	0.0	0.0	0.0
134	111	-8.40e-05	-4.63e-03	-0.19	0.0	4.62e-06	0.0
134	112	-8.40e-05	-4.63e-03	-0.27	0.0	4.62e-06	0.0
134	114	0.0	0.0	-0.27	0.0	0.0	0.0
134	115	-8.40e-05	-4.63e-03	-0.19	0.0	4.62e-06	0.0
134	116	-8.40e-05	-4.63e-03	-0.27	0.0	4.62e-06	0.0
134	118	0.0	0.0	-0.27	0.0	0.0	0.0
134	119	-8.40e-05	-4.63e-03	-0.19	0.0	4.62e-06	0.0
134	120	-8.40e-05	-4.63e-03	-0.27	0.0	4.62e-06	0.0
134	122	0.0	0.0	-0.27	0.0	0.0	0.0
134	123	-8.40e-05	-4.63e-03	-0.19	0.0	4.62e-06	0.0
134	124	-8.40e-05	-4.63e-03	-0.27	0.0	4.62e-06	0.0
135	2	0.0	0.0	-0.37	0.0	0.0	0.0
135	4	-1.61e-04	-6.97e-03	-0.37	0.0	6.79e-06	0.0
135	7	-1.61e-04	-6.97e-03	-0.20	0.0	6.79e-06	0.0

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135	10	0.0	0.0	-0.30	0.0	0.0	0.0
135	17	0.11	0.11	-0.27	-1.64e-06	6.56e-06	0.0
135	23	-0.12	0.13	-0.27	0.0	5.41e-06	0.0
135	34	0.05	-0.20	-0.27	-1.06e-06	4.92e-06	0.0
135	49	0.05	0.05	-0.27	-1.03e-06	5.50e-06	0.0
135	55	-0.06	0.06	-0.27	0.0	4.95e-06	0.0
135	66	0.02	-0.10	-0.27	0.0	4.72e-06	0.0
135	87	-0.12	0.13	-0.27	0.0	5.41e-06	0.0
135	98	0.05	-0.20	-0.27	-1.06e-06	4.92e-06	0.0
135	110	0.0	0.0	-0.27	0.0	0.0	0.0
135	111	-1.07e-04	-4.65e-03	-0.19	0.0	4.53e-06	0.0
135	112	-1.07e-04	-4.65e-03	-0.27	0.0	4.53e-06	0.0
135	114	0.0	0.0	-0.27	0.0	0.0	0.0
135	115	-1.07e-04	-4.65e-03	-0.19	0.0	4.53e-06	0.0
135	116	-1.07e-04	-4.65e-03	-0.27	0.0	4.53e-06	0.0
135	118	0.0	0.0	-0.27	0.0	0.0	0.0
135	119	-1.07e-04	-4.65e-03	-0.19	0.0	4.53e-06	0.0
135	120	-1.07e-04	-4.65e-03	-0.27	0.0	4.53e-06	0.0
135	122	0.0	0.0	-0.27	0.0	0.0	0.0
135	123	-1.07e-04	-4.65e-03	-0.19	0.0	4.53e-06	0.0
135	124	-1.07e-04	-4.65e-03	-0.27	0.0	4.53e-06	0.0
136	2	0.0	0.0	-0.37	0.0	0.0	0.0
136	4	-1.17e-04	-6.91e-03	-0.37	0.0	6.42e-06	0.0
136	7	-1.17e-04	-6.91e-03	-0.20	0.0	6.42e-06	0.0
136	10	0.0	0.0	-0.30	0.0	0.0	0.0
136	17	0.11	0.12	-0.27	-1.24e-06	6.12e-06	0.0
136	23	-0.11	0.14	-0.27	0.0	2.45e-06	0.0
136	34	0.03	-0.21	-0.27	0.0	4.83e-06	0.0
136	49	0.05	0.06	-0.27	0.0	5.16e-06	0.0
136	55	-0.05	0.07	-0.27	0.0	3.40e-06	0.0
136	66	0.02	-0.10	-0.27	0.0	4.55e-06	0.0
136	87	-0.11	0.14	-0.27	0.0	2.45e-06	0.0
136	98	0.03	-0.21	-0.27	0.0	4.83e-06	0.0
136	110	0.0	0.0	-0.27	0.0	0.0	0.0
136	111	-7.79e-05	-4.61e-03	-0.19	0.0	4.28e-06	0.0
136	112	-7.79e-05	-4.61e-03	-0.27	0.0	4.28e-06	0.0
136	114	0.0	0.0	-0.27	0.0	0.0	0.0
136	115	-7.79e-05	-4.61e-03	-0.19	0.0	4.28e-06	0.0
136	116	-7.79e-05	-4.61e-03	-0.27	0.0	4.28e-06	0.0
136	118	0.0	0.0	-0.27	0.0	0.0	0.0
136	119	-7.79e-05	-4.61e-03	-0.19	0.0	4.28e-06	0.0
136	120	-7.79e-05	-4.61e-03	-0.27	0.0	4.28e-06	0.0
136	122	0.0	0.0	-0.27	0.0	0.0	0.0
136	123	-7.79e-05	-4.61e-03	-0.19	0.0	4.28e-06	0.0
136	124	-7.79e-05	-4.61e-03	-0.27	0.0	4.28e-06	0.0
137	2	0.0	0.0	-0.37	0.0	0.0	0.0
137	4	-1.53e-04	-6.94e-03	-0.37	0.0	6.26e-06	0.0
137	7	-1.53e-04	-6.94e-03	-0.20	0.0	6.26e-06	0.0
137	10	0.0	0.0	-0.30	0.0	0.0	0.0
137	17	0.11	0.12	-0.27	-2.22e-06	6.83e-06	0.0
137	23	-0.13	0.14	-0.27	-1.06e-06	5.46e-06	0.0
137	34	0.05	-0.21	-0.27	-1.30e-06	4.74e-06	0.0
137	49	0.05	0.06	-0.27	-1.24e-06	5.45e-06	0.0
137	55	-0.06	0.07	-0.27	0.0	4.79e-06	0.0
137	66	0.02	-0.10	-0.27	0.0	4.45e-06	0.0
137	87	-0.13	0.14	-0.27	-1.06e-06	5.46e-06	0.0
137	98	0.05	-0.21	-0.27	-1.30e-06	4.74e-06	0.0
137	110	0.0	0.0	-0.27	0.0	0.0	0.0
137	111	-1.02e-04	-4.62e-03	-0.19	0.0	4.18e-06	0.0
137	112	-1.02e-04	-4.62e-03	-0.27	0.0	4.18e-06	0.0
137	114	0.0	0.0	-0.27	0.0	0.0	0.0
137	115	-1.02e-04	-4.62e-03	-0.19	0.0	4.18e-06	0.0
137	116	-1.02e-04	-4.62e-03	-0.27	0.0	4.18e-06	0.0
137	118	0.0	0.0	-0.27	0.0	0.0	0.0
137	119	-1.02e-04	-4.62e-03	-0.19	0.0	4.18e-06	0.0

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137	120	-1.02e-04	-4.62e-03	-0.27	0.0	4.18e-06	0.0
137	122	0.0	0.0	-0.27	0.0	0.0	0.0
137	123	-1.02e-04	-4.62e-03	-0.19	0.0	4.18e-06	0.0
137	124	-1.02e-04	-4.62e-03	-0.27	0.0	4.18e-06	0.0
138	2	0.0	0.0	-0.37	0.0	0.0	0.0
138	4	-1.06e-04	-6.88e-03	-0.37	0.0	5.81e-06	0.0
138	7	-1.06e-04	-6.88e-03	-0.20	0.0	5.81e-06	0.0
138	10	0.0	0.0	-0.30	0.0	0.0	0.0
138	17	0.11	0.13	-0.27	-1.98e-06	6.20e-06	0.0
138	23	-0.11	0.15	-0.27	0.0	1.54e-06	0.0
138	34	0.03	-0.22	-0.27	0.0	4.57e-06	0.0
138	49	0.05	0.06	-0.27	0.0	4.99e-06	0.0
138	55	-0.05	0.07	-0.27	0.0	2.76e-06	0.0
138	66	0.02	-0.11	-0.27	0.0	4.21e-06	0.0
138	87	-0.11	0.15	-0.27	0.0	1.54e-06	0.0
138	98	0.03	-0.22	-0.27	0.0	4.57e-06	0.0
138	110	0.0	0.0	-0.27	0.0	0.0	0.0
138	111	-7.06e-05	-4.59e-03	-0.19	0.0	3.87e-06	0.0
138	112	-7.06e-05	-4.59e-03	-0.27	0.0	3.87e-06	0.0
138	114	0.0	0.0	-0.27	0.0	0.0	0.0
138	115	-7.06e-05	-4.59e-03	-0.19	0.0	3.87e-06	0.0
138	116	-7.06e-05	-4.59e-03	-0.27	0.0	3.87e-06	0.0
138	118	0.0	0.0	-0.27	0.0	0.0	0.0
138	119	-7.06e-05	-4.59e-03	-0.19	0.0	3.87e-06	0.0
138	120	-7.06e-05	-4.59e-03	-0.27	0.0	3.87e-06	0.0
138	122	0.0	0.0	-0.27	0.0	0.0	0.0
138	123	-7.06e-05	-4.59e-03	-0.19	0.0	3.87e-06	0.0
138	124	-7.06e-05	-4.59e-03	-0.27	0.0	3.87e-06	0.0
139	2	0.0	0.0	-0.37	0.0	0.0	0.0
139	4	-1.44e-04	-6.91e-03	-0.37	0.0	5.64e-06	0.0
139	7	-1.44e-04	-6.91e-03	-0.20	0.0	5.64e-06	0.0
139	10	0.0	0.0	-0.30	0.0	0.0	0.0
139	17	0.11	0.13	-0.27	-2.90e-06	7.04e-06	0.0
139	23	-0.13	0.15	-0.27	-1.31e-06	5.39e-06	0.0
139	34	0.05	-0.22	-0.27	-1.63e-06	4.45e-06	0.0
139	49	0.05	0.06	-0.27	-1.50e-06	5.33e-06	0.0
139	55	-0.06	0.07	-0.27	0.0	4.54e-06	0.0
139	66	0.03	-0.11	-0.27	0.0	4.09e-06	0.0
139	87	-0.13	0.15	-0.27	-1.31e-06	5.39e-06	0.0
139	98	0.05	-0.22	-0.27	-1.63e-06	4.45e-06	0.0
139	110	0.0	0.0	-0.27	0.0	0.0	0.0
139	111	-9.59e-05	-4.60e-03	-0.19	0.0	3.76e-06	0.0
139	112	-9.59e-05	-4.60e-03	-0.27	0.0	3.76e-06	0.0
139	114	0.0	0.0	-0.27	0.0	0.0	0.0
139	115	-9.59e-05	-4.60e-03	-0.19	0.0	3.76e-06	0.0
139	116	-9.59e-05	-4.60e-03	-0.27	0.0	3.76e-06	0.0
139	118	0.0	0.0	-0.27	0.0	0.0	0.0
139	119	-9.59e-05	-4.60e-03	-0.19	0.0	3.76e-06	0.0
139	120	-9.59e-05	-4.60e-03	-0.27	0.0	3.76e-06	0.0
139	122	0.0	0.0	-0.27	0.0	0.0	0.0
139	123	-9.59e-05	-4.60e-03	-0.19	0.0	3.76e-06	0.0
139	124	-9.59e-05	-4.60e-03	-0.27	0.0	3.76e-06	0.0
140	4	-1.00e-04	-6.86e-03	-0.37	0.0	5.50e-06	0.0
140	7	-1.00e-04	-6.86e-03	-0.20	0.0	5.50e-06	0.0
140	12	-8.69e-05	-5.94e-03	-0.30	0.0	4.76e-06	0.0
140	17	0.11	0.14	-0.27	-2.68e-06	6.22e-06	0.0
140	23	-0.11	0.17	-0.27	-1.04e-06	1.10e-06	0.0
140	34	0.03	-0.23	-0.27	-1.33e-06	4.43e-06	0.0
140	49	0.05	0.07	-0.27	-1.04e-06	4.89e-06	0.0
140	55	-0.05	0.08	-0.27	0.0	2.44e-06	0.0
140	66	0.02	-0.11	-0.27	0.0	4.03e-06	0.0
140	87	-0.11	0.17	-0.27	-1.04e-06	1.10e-06	0.0
140	98	0.03	-0.23	-0.27	-1.33e-06	4.43e-06	0.0
140	111	-6.69e-05	-4.57e-03	-0.19	0.0	3.66e-06	0.0
140	112	-6.69e-05	-4.57e-03	-0.27	0.0	3.66e-06	0.0

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140	115	-6.69e-05	-4.57e-03	-0.19	0.0	3.66e-06	0.0
140	116	-6.69e-05	-4.57e-03	-0.27	0.0	3.66e-06	0.0
140	119	-6.69e-05	-4.57e-03	-0.19	0.0	3.66e-06	0.0
140	120	-6.69e-05	-4.57e-03	-0.27	0.0	3.66e-06	0.0
140	123	-6.69e-05	-4.57e-03	-0.19	0.0	3.66e-06	0.0
140	124	-6.69e-05	-4.57e-03	-0.27	0.0	3.66e-06	0.0
141	4	-1.41e-04	-6.88e-03	-0.37	0.0	5.33e-06	0.0
141	7	-1.41e-04	-6.88e-03	-0.20	0.0	5.33e-06	0.0
141	12	-1.22e-04	-5.96e-03	-0.30	0.0	4.62e-06	0.0
141	17	0.11	0.14	-0.27	-3.55e-06	7.08e-06	0.0
141	23	-0.13	0.16	-0.27	-1.58e-06	5.37e-06	0.0
141	34	0.05	-0.23	-0.27	-1.97e-06	4.25e-06	0.0
141	49	0.05	0.07	-0.27	-1.75e-06	5.25e-06	0.0
141	55	-0.06	0.08	-0.27	0.0	4.42e-06	0.0
141	66	0.03	-0.11	-0.27	-1.00e-06	3.89e-06	0.0
141	87	-0.13	0.16	-0.27	-1.58e-06	5.37e-06	0.0
141	98	0.05	-0.23	-0.27	-1.97e-06	4.25e-06	0.0
141	111	-9.37e-05	-4.59e-03	-0.19	0.0	3.55e-06	0.0
141	112	-9.37e-05	-4.59e-03	-0.27	0.0	3.55e-06	0.0
141	115	-9.37e-05	-4.59e-03	-0.19	0.0	3.55e-06	0.0
141	116	-9.37e-05	-4.59e-03	-0.27	0.0	3.55e-06	0.0
141	119	-9.37e-05	-4.59e-03	-0.19	0.0	3.55e-06	0.0
141	120	-9.37e-05	-4.59e-03	-0.27	0.0	3.55e-06	0.0
141	123	-9.37e-05	-4.59e-03	-0.19	0.0	3.55e-06	0.0
141	124	-9.37e-05	-4.59e-03	-0.27	0.0	3.55e-06	0.0
142	4	2.42e-03	-6.36e-03	-0.40	5.21e-05	-1.42e-04	0.0
142	7	2.42e-03	-6.36e-03	-0.22	5.21e-05	-1.42e-04	0.0
142	12	2.10e-03	-5.51e-03	-0.32	4.52e-05	-1.23e-04	0.0
142	20	-0.11	-0.07	-0.29	3.57e-05	-9.79e-05	0.0
142	22	0.13	-0.08	-0.29	3.25e-05	-9.28e-05	0.0
142	34	0.05	-0.15	-0.29	3.31e-05	-9.59e-05	0.0
142	52	-0.05	-0.04	-0.29	3.52e-05	-9.64e-05	0.0
142	54	0.06	-0.04	-0.29	3.37e-05	-9.39e-05	0.0
142	66	0.03	-0.07	-0.29	3.40e-05	-9.54e-05	0.0
142	86	0.13	-0.08	-0.29	3.25e-05	-9.28e-05	0.0
142	98	0.05	-0.15	-0.29	3.31e-05	-9.59e-05	0.0
142	111	1.62e-03	-4.24e-03	-0.21	3.47e-05	-9.49e-05	0.0
142	112	1.62e-03	-4.24e-03	-0.29	3.47e-05	-9.49e-05	0.0
142	115	1.62e-03	-4.24e-03	-0.21	3.47e-05	-9.49e-05	0.0
142	116	1.62e-03	-4.24e-03	-0.29	3.47e-05	-9.49e-05	0.0
142	119	1.62e-03	-4.24e-03	-0.21	3.47e-05	-9.49e-05	0.0
142	120	1.62e-03	-4.24e-03	-0.29	3.47e-05	-9.49e-05	0.0
142	123	1.62e-03	-4.24e-03	-0.21	3.47e-05	-9.49e-05	0.0
142	124	1.62e-03	-4.24e-03	-0.29	3.47e-05	-9.49e-05	0.0
143	4	1.28e-03	-6.72e-03	-0.38	2.72e-05	-7.68e-05	0.0
143	7	1.28e-03	-6.72e-03	-0.21	2.72e-05	-7.68e-05	0.0
143	12	1.11e-03	-5.82e-03	-0.31	2.36e-05	-6.66e-05	0.0
143	20	-0.11	-0.08	-0.28	1.88e-05	-5.38e-05	0.0
143	22	0.13	-0.09	-0.28	1.66e-05	-4.93e-05	0.0
143	34	0.05	-0.16	-0.28	1.73e-05	-5.18e-05	0.0
143	52	-0.05	-0.04	-0.28	1.85e-05	-5.24e-05	0.0
143	54	0.06	-0.05	-0.28	1.74e-05	-5.03e-05	0.0
143	66	0.03	-0.08	-0.28	1.78e-05	-5.15e-05	0.0
143	86	0.13	-0.09	-0.28	1.66e-05	-4.93e-05	0.0
143	98	0.05	-0.16	-0.28	1.73e-05	-5.18e-05	0.0
143	111	8.51e-04	-4.48e-03	-0.20	1.82e-05	-5.12e-05	0.0
143	112	8.51e-04	-4.48e-03	-0.28	1.82e-05	-5.12e-05	0.0
143	115	8.51e-04	-4.48e-03	-0.20	1.82e-05	-5.12e-05	0.0
143	116	8.51e-04	-4.48e-03	-0.28	1.82e-05	-5.12e-05	0.0
143	119	8.51e-04	-4.48e-03	-0.20	1.82e-05	-5.12e-05	0.0
143	120	8.51e-04	-4.48e-03	-0.28	1.82e-05	-5.12e-05	0.0
143	123	8.51e-04	-4.48e-03	-0.20	1.82e-05	-5.12e-05	0.0
143	124	8.51e-04	-4.48e-03	-0.28	1.82e-05	-5.12e-05	0.0
144	4	5.36e-04	-6.92e-03	-0.37	1.20e-05	-3.45e-05	0.0
144	7	5.36e-04	-6.92e-03	-0.20	1.20e-05	-3.45e-05	0.0

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144	12	4.64e-04	-6.00e-03	-0.30	1.04e-05	-2.99e-05	0.0
144	20	-0.11	-0.09	-0.27	8.49e-06	-2.51e-05	0.0
144	22	0.13	-0.10	-0.27	7.01e-06	-2.16e-05	0.0
144	34	0.06	-0.16	-0.27	7.86e-06	-2.32e-05	0.0
144	52	-0.05	-0.04	-0.27	8.24e-06	-2.40e-05	0.0
144	54	0.06	-0.05	-0.27	7.53e-06	-2.23e-05	0.0
144	66	0.03	-0.08	-0.27	7.94e-06	-2.31e-05	0.0
144	86	0.13	-0.10	-0.27	7.01e-06	-2.16e-05	0.0
144	98	0.06	-0.16	-0.27	7.86e-06	-2.32e-05	0.0
144	111	3.57e-04	-4.62e-03	-0.19	8.02e-06	-2.30e-05	0.0
144	112	3.57e-04	-4.62e-03	-0.27	8.02e-06	-2.30e-05	0.0
144	115	3.57e-04	-4.62e-03	-0.19	8.02e-06	-2.30e-05	0.0
144	116	3.57e-04	-4.62e-03	-0.27	8.02e-06	-2.30e-05	0.0
144	119	3.57e-04	-4.62e-03	-0.19	8.02e-06	-2.30e-05	0.0
144	120	3.57e-04	-4.62e-03	-0.27	8.02e-06	-2.30e-05	0.0
144	123	3.57e-04	-4.62e-03	-0.19	8.02e-06	-2.30e-05	0.0
144	124	3.57e-04	-4.62e-03	-0.27	8.02e-06	-2.30e-05	0.0
145	2	0.0	0.0	-0.37	0.0	0.0	0.0
145	4	1.13e-04	-7.02e-03	-0.37	3.69e-06	-1.04e-05	0.0
145	7	1.13e-04	-7.02e-03	-0.20	3.69e-06	-1.04e-05	0.0
145	10	0.0	0.0	-0.30	0.0	0.0	0.0
145	20	-0.11	-0.09	-0.27	2.96e-06	-8.81e-06	0.0
145	22	0.13	-0.11	-0.27	1.87e-06	-6.05e-06	0.0
145	34	0.06	-0.17	-0.27	2.45e-06	-6.97e-06	0.0
145	52	-0.05	-0.05	-0.27	2.70e-06	-7.83e-06	0.0
145	54	0.06	-0.05	-0.27	2.18e-06	-6.51e-06	0.0
145	66	0.03	-0.09	-0.27	2.46e-06	-6.95e-06	0.0
145	86	0.13	-0.11	-0.27	1.87e-06	-6.05e-06	0.0
145	98	0.06	-0.17	-0.27	2.45e-06	-6.97e-06	0.0
145	110	0.0	0.0	-0.27	0.0	0.0	0.0
145	111	7.56e-05	-4.68e-03	-0.19	2.46e-06	-6.93e-06	0.0
145	112	7.56e-05	-4.68e-03	-0.27	2.46e-06	-6.93e-06	0.0
145	114	0.0	0.0	-0.27	0.0	0.0	0.0
145	115	7.56e-05	-4.68e-03	-0.19	2.46e-06	-6.93e-06	0.0
145	116	7.56e-05	-4.68e-03	-0.27	2.46e-06	-6.93e-06	0.0
145	118	0.0	0.0	-0.27	0.0	0.0	0.0
145	119	7.56e-05	-4.68e-03	-0.19	2.46e-06	-6.93e-06	0.0
145	120	7.56e-05	-4.68e-03	-0.27	2.46e-06	-6.93e-06	0.0
145	122	0.0	0.0	-0.27	0.0	0.0	0.0
145	123	7.56e-05	-4.68e-03	-0.19	2.46e-06	-6.93e-06	0.0
145	124	7.56e-05	-4.68e-03	-0.27	2.46e-06	-6.93e-06	0.0
146	2	0.0	0.0	-0.37	0.0	0.0	0.0
146	4	-9.30e-05	-7.04e-03	-0.37	0.0	1.31e-06	0.0
146	7	-9.30e-05	-7.04e-03	-0.20	0.0	1.31e-06	0.0
146	10	0.0	0.0	-0.30	0.0	0.0	0.0
146	21	0.12	-0.03	-0.27	0.0	1.19e-06	0.0
146	23	-0.13	0.11	-0.27	0.0	0.0	0.0
146	34	0.06	-0.18	-0.27	0.0	1.31e-06	0.0
146	53	0.06	-0.01	-0.27	0.0	1.02e-06	0.0
146	55	-0.06	0.05	-0.27	0.0	0.0	0.0
146	66	0.03	-0.09	-0.27	0.0	1.09e-06	0.0
146	87	-0.13	0.11	-0.27	0.0	0.0	0.0
146	98	0.06	-0.18	-0.27	0.0	1.31e-06	0.0
146	110	0.0	0.0	-0.27	0.0	0.0	0.0
146	111	-6.20e-05	-4.70e-03	-0.19	0.0	0.0	0.0
146	112	-6.20e-05	-4.70e-03	-0.27	0.0	0.0	0.0
146	114	0.0	0.0	-0.27	0.0	0.0	0.0
146	115	-6.20e-05	-4.70e-03	-0.19	0.0	0.0	0.0
146	116	-6.20e-05	-4.70e-03	-0.27	0.0	0.0	0.0
146	118	0.0	0.0	-0.27	0.0	0.0	0.0
146	119	-6.20e-05	-4.70e-03	-0.19	0.0	0.0	0.0
146	120	-6.20e-05	-4.70e-03	-0.27	0.0	0.0	0.0
146	122	0.0	0.0	-0.27	0.0	0.0	0.0
146	123	-6.20e-05	-4.70e-03	-0.19	0.0	0.0	0.0
146	124	-6.20e-05	-4.70e-03	-0.27	0.0	0.0	0.0

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147	2	0.0	0.0	-0.37	0.0	0.0	0.0
147	4	-1.72e-04	-7.03e-03	-0.37	-1.61e-06	5.71e-06	0.0
147	7	-1.72e-04	-7.03e-03	-0.20	-1.61e-06	5.71e-06	0.0
147	10	0.0	0.0	-0.30	0.0	0.0	0.0
147	23	-0.13	0.12	-0.27	-1.16e-06	4.15e-06	0.0
147	34	0.06	-0.19	-0.27	-1.53e-06	4.42e-06	0.0
147	41	0.06	0.08	-0.27	-1.77e-06	5.01e-06	0.0
147	55	-0.06	0.05	-0.27	-1.12e-06	3.97e-06	0.0
147	66	0.03	-0.09	-0.27	-1.29e-06	4.10e-06	0.0
147	73	0.03	0.03	-0.27	-1.40e-06	4.38e-06	0.0
147	87	-0.13	0.12	-0.27	-1.16e-06	4.15e-06	0.0
147	98	0.06	-0.19	-0.27	-1.53e-06	4.42e-06	0.0
147	110	0.0	0.0	-0.27	0.0	0.0	0.0
147	111	-1.15e-04	-4.69e-03	-0.19	-1.07e-06	3.81e-06	0.0
147	112	-1.15e-04	-4.69e-03	-0.27	-1.07e-06	3.81e-06	0.0
147	114	0.0	0.0	-0.27	0.0	0.0	0.0
147	115	-1.15e-04	-4.69e-03	-0.19	-1.07e-06	3.81e-06	0.0
147	116	-1.15e-04	-4.69e-03	-0.27	-1.07e-06	3.81e-06	0.0
147	118	0.0	0.0	-0.27	0.0	0.0	0.0
147	119	-1.15e-04	-4.69e-03	-0.19	-1.07e-06	3.81e-06	0.0
147	120	-1.15e-04	-4.69e-03	-0.27	-1.07e-06	3.81e-06	0.0
147	122	0.0	0.0	-0.27	0.0	0.0	0.0
147	123	-1.15e-04	-4.69e-03	-0.19	-1.07e-06	3.81e-06	0.0
147	124	-1.15e-04	-4.69e-03	-0.27	-1.07e-06	3.81e-06	0.0
148	2	0.0	0.0	-0.37	0.0	0.0	0.0
148	4	-1.88e-04	-7.00e-03	-0.37	-1.77e-06	6.47e-06	0.0
148	7	-1.88e-04	-7.00e-03	-0.20	-1.77e-06	6.47e-06	0.0
148	10	0.0	0.0	-0.30	0.0	0.0	0.0
148	23	-0.14	0.13	-0.27	-1.64e-06	5.06e-06	0.0
148	34	0.07	-0.20	-0.27	-1.92e-06	5.31e-06	0.0
148	37	0.06	0.13	-0.27	-2.90e-06	6.77e-06	0.0
148	55	-0.07	0.06	-0.27	-1.40e-06	4.67e-06	0.0
148	66	0.03	-0.10	-0.27	-1.53e-06	4.79e-06	0.0
148	69	0.03	0.06	-0.27	-2.00e-06	5.49e-06	0.0
148	87	-0.14	0.13	-0.27	-1.64e-06	5.06e-06	0.0
148	98	0.07	-0.20	-0.27	-1.92e-06	5.31e-06	0.0
148	110	0.0	0.0	-0.27	0.0	0.0	0.0
148	111	-1.25e-04	-4.67e-03	-0.19	-1.18e-06	4.31e-06	0.0
148	112	-1.25e-04	-4.67e-03	-0.27	-1.18e-06	4.31e-06	0.0
148	114	0.0	0.0	-0.27	0.0	0.0	0.0
148	115	-1.25e-04	-4.67e-03	-0.19	-1.18e-06	4.31e-06	0.0
148	116	-1.25e-04	-4.67e-03	-0.27	-1.18e-06	4.31e-06	0.0
148	118	0.0	0.0	-0.27	0.0	0.0	0.0
148	119	-1.25e-04	-4.67e-03	-0.19	-1.18e-06	4.31e-06	0.0
148	120	-1.25e-04	-4.67e-03	-0.27	-1.18e-06	4.31e-06	0.0
148	122	0.0	0.0	-0.27	0.0	0.0	0.0
148	123	-1.25e-04	-4.67e-03	-0.19	-1.18e-06	4.31e-06	0.0
148	124	-1.25e-04	-4.67e-03	-0.27	-1.18e-06	4.31e-06	0.0
149	2	0.0	0.0	-0.37	0.0	0.0	0.0
149	4	-1.82e-04	-6.97e-03	-0.37	-1.49e-06	5.93e-06	0.0
149	7	-1.82e-04	-6.97e-03	-0.20	-1.49e-06	5.93e-06	0.0
149	10	0.0	0.0	-0.30	0.0	0.0	0.0
149	17	0.11	0.12	-0.27	-3.43e-06	7.40e-06	0.0
149	23	-0.14	0.14	-0.27	-1.85e-06	5.06e-06	0.0
149	34	0.07	-0.21	-0.27	-2.13e-06	5.37e-06	0.0
149	49	0.05	0.05	-0.27	-2.15e-06	5.61e-06	0.0
149	55	-0.07	0.06	-0.27	-1.40e-06	4.48e-06	0.0
149	66	0.03	-0.10	-0.27	-1.54e-06	4.64e-06	0.0
149	87	-0.14	0.14	-0.27	-1.85e-06	5.06e-06	0.0
149	98	0.07	-0.21	-0.27	-2.13e-06	5.37e-06	0.0
149	110	0.0	0.0	-0.27	0.0	0.0	0.0
149	111	-1.21e-04	-4.65e-03	-0.19	0.0	3.95e-06	0.0
149	112	-1.21e-04	-4.65e-03	-0.27	0.0	3.95e-06	0.0
149	114	0.0	0.0	-0.27	0.0	0.0	0.0
149	115	-1.21e-04	-4.65e-03	-0.19	0.0	3.95e-06	0.0

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149	116	-1.21e-04	-4.65e-03	-0.27	0.0	3.95e-06	0.0
149	118	0.0	0.0	-0.27	0.0	0.0	0.0
149	119	-1.21e-04	-4.65e-03	-0.19	0.0	3.95e-06	0.0
149	120	-1.21e-04	-4.65e-03	-0.27	0.0	3.95e-06	0.0
149	122	0.0	0.0	-0.27	0.0	0.0	0.0
149	123	-1.21e-04	-4.65e-03	-0.19	0.0	3.95e-06	0.0
149	124	-1.21e-04	-4.65e-03	-0.27	0.0	3.95e-06	0.0
150	2	0.0	0.0	-0.37	0.0	0.0	0.0
150	4	-1.75e-04	-6.94e-03	-0.37	-1.18e-06	5.33e-06	0.0
150	7	-1.75e-04	-6.94e-03	-0.20	-1.18e-06	5.33e-06	0.0
150	10	0.0	0.0	-0.30	0.0	0.0	0.0
150	17	0.11	0.13	-0.27	-4.07e-06	7.73e-06	0.0
150	23	-0.14	0.15	-0.27	-2.06e-06	4.92e-06	0.0
150	34	0.07	-0.22	-0.27	-2.38e-06	5.33e-06	0.0
150	49	0.05	0.06	-0.27	-2.36e-06	5.56e-06	0.0
150	55	-0.07	0.07	-0.27	-1.40e-06	4.20e-06	0.0
150	66	0.03	-0.11	-0.27	-1.55e-06	4.41e-06	0.0
150	87	-0.14	0.15	-0.27	-2.06e-06	4.92e-06	0.0
150	98	0.07	-0.22	-0.27	-2.38e-06	5.33e-06	0.0
150	110	0.0	0.0	-0.27	0.0	0.0	0.0
150	111	-1.17e-04	-4.63e-03	-0.19	0.0	3.56e-06	0.0
150	112	-1.17e-04	-4.63e-03	-0.27	0.0	3.56e-06	0.0
150	114	0.0	0.0	-0.27	0.0	0.0	0.0
150	115	-1.17e-04	-4.63e-03	-0.19	0.0	3.56e-06	0.0
150	116	-1.17e-04	-4.63e-03	-0.27	0.0	3.56e-06	0.0
150	118	0.0	0.0	-0.27	0.0	0.0	0.0
150	119	-1.17e-04	-4.63e-03	-0.19	0.0	3.56e-06	0.0
150	120	-1.17e-04	-4.63e-03	-0.27	0.0	3.56e-06	0.0
150	122	0.0	0.0	-0.27	0.0	0.0	0.0
150	123	-1.17e-04	-4.63e-03	-0.19	0.0	3.56e-06	0.0
150	124	-1.17e-04	-4.63e-03	-0.27	0.0	3.56e-06	0.0
151	4	-1.74e-04	-6.92e-03	-0.37	0.0	5.04e-06	0.0
151	7	-1.74e-04	-6.92e-03	-0.20	0.0	5.04e-06	0.0
151	12	-1.51e-04	-5.99e-03	-0.30	0.0	4.37e-06	0.0
151	17	0.11	0.14	-0.28	-4.63e-06	7.78e-06	0.0
151	23	-0.14	0.16	-0.27	-2.31e-06	4.84e-06	0.0
151	34	0.07	-0.22	-0.27	-2.60e-06	5.22e-06	0.0
151	49	0.05	0.06	-0.27	-2.55e-06	5.48e-06	0.0
151	55	-0.07	0.07	-0.27	-1.45e-06	4.07e-06	0.0
151	66	0.04	-0.11	-0.27	-1.59e-06	4.26e-06	0.0
151	87	-0.14	0.16	-0.27	-2.31e-06	4.84e-06	0.0
151	98	0.07	-0.22	-0.27	-2.60e-06	5.22e-06	0.0
151	111	-1.16e-04	-4.61e-03	-0.19	0.0	3.36e-06	0.0
151	112	-1.16e-04	-4.61e-03	-0.27	0.0	3.36e-06	0.0
151	115	-1.16e-04	-4.61e-03	-0.19	0.0	3.36e-06	0.0
151	116	-1.16e-04	-4.61e-03	-0.27	0.0	3.36e-06	0.0
151	119	-1.16e-04	-4.61e-03	-0.19	0.0	3.36e-06	0.0
151	120	-1.16e-04	-4.61e-03	-0.27	0.0	3.36e-06	0.0
151	123	-1.16e-04	-4.61e-03	-0.19	0.0	3.36e-06	0.0
151	124	-1.16e-04	-4.61e-03	-0.27	0.0	3.36e-06	0.0
152	4	1.90e-03	-6.16e-03	-0.39	6.39e-05	-1.14e-04	0.0
152	7	1.90e-03	-6.16e-03	-0.22	6.39e-05	-1.14e-04	0.0
152	12	1.65e-03	-5.33e-03	-0.32	5.54e-05	-9.84e-05	0.0
152	20	-0.11	-0.07	-0.29	4.42e-05	-7.81e-05	0.0
152	22	0.13	-0.08	-0.28	4.04e-05	-7.43e-05	0.0
152	34	0.06	-0.15	-0.28	4.23e-05	-7.72e-05	0.0
152	52	-0.05	-0.04	-0.29	4.33e-05	-7.68e-05	0.0
152	54	0.06	-0.04	-0.28	4.16e-05	-7.50e-05	0.0
152	66	0.03	-0.07	-0.28	4.24e-05	-7.64e-05	0.0
152	86	0.13	-0.08	-0.28	4.04e-05	-7.43e-05	0.0
152	98	0.06	-0.15	-0.28	4.23e-05	-7.72e-05	0.0
152	111	1.27e-03	-4.10e-03	-0.20	4.26e-05	-7.57e-05	0.0
152	112	1.27e-03	-4.10e-03	-0.28	4.26e-05	-7.57e-05	0.0
152	115	1.27e-03	-4.10e-03	-0.20	4.26e-05	-7.57e-05	0.0
152	116	1.27e-03	-4.10e-03	-0.28	4.26e-05	-7.57e-05	0.0

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152	119	1.27e-03	-4.10e-03	-0.20	4.26e-05	-7.57e-05	0.0
152	120	1.27e-03	-4.10e-03	-0.28	4.26e-05	-7.57e-05	0.0
152	123	1.27e-03	-4.10e-03	-0.20	4.26e-05	-7.57e-05	0.0
152	124	1.27e-03	-4.10e-03	-0.28	4.26e-05	-7.57e-05	0.0
153	4	9.69e-04	-6.62e-03	-0.38	3.31e-05	-6.03e-05	0.0
153	7	9.69e-04	-6.62e-03	-0.21	3.31e-05	-6.03e-05	0.0
153	12	8.40e-04	-5.74e-03	-0.31	2.87e-05	-5.23e-05	0.0
153	20	-0.11	-0.08	-0.28	2.32e-05	-4.23e-05	0.0
153	22	0.13	-0.09	-0.28	2.04e-05	-3.89e-05	0.0
153	34	0.06	-0.16	-0.28	2.18e-05	-4.12e-05	0.0
153	52	-0.05	-0.04	-0.28	2.26e-05	-4.12e-05	0.0
153	54	0.06	-0.04	-0.28	2.13e-05	-3.96e-05	0.0
153	66	0.03	-0.08	-0.28	2.19e-05	-4.07e-05	0.0
153	86	0.13	-0.09	-0.28	2.04e-05	-3.89e-05	0.0
153	98	0.06	-0.16	-0.28	2.18e-05	-4.12e-05	0.0
153	111	6.46e-04	-4.42e-03	-0.20	2.21e-05	-4.02e-05	0.0
153	112	6.46e-04	-4.42e-03	-0.28	2.21e-05	-4.02e-05	0.0
153	115	6.46e-04	-4.42e-03	-0.20	2.21e-05	-4.02e-05	0.0
153	116	6.46e-04	-4.42e-03	-0.28	2.21e-05	-4.02e-05	0.0
153	119	6.46e-04	-4.42e-03	-0.20	2.21e-05	-4.02e-05	0.0
153	120	6.46e-04	-4.42e-03	-0.28	2.21e-05	-4.02e-05	0.0
153	123	6.46e-04	-4.42e-03	-0.20	2.21e-05	-4.02e-05	0.0
153	124	6.46e-04	-4.42e-03	-0.28	2.21e-05	-4.02e-05	0.0
154	2	0.0	0.0	-0.37	0.0	0.0	0.0
154	4	3.72e-04	-6.90e-03	-0.37	1.43e-05	-2.63e-05	0.0
154	7	3.72e-04	-6.90e-03	-0.20	1.43e-05	-2.63e-05	0.0
154	10	0.0	0.0	-0.30	0.0	0.0	0.0
154	20	-0.11	-0.08	-0.27	1.05e-05	-1.94e-05	0.0
154	22	0.14	-0.10	-0.27	8.42e-06	-1.66e-05	0.0
154	34	0.07	-0.16	-0.27	9.40e-06	-1.81e-05	0.0
154	52	-0.05	-0.04	-0.27	9.96e-06	-1.84e-05	0.0
154	54	0.07	-0.05	-0.27	8.99e-06	-1.71e-05	0.0
154	66	0.03	-0.08	-0.27	9.45e-06	-1.78e-05	0.0
154	86	0.14	-0.10	-0.27	8.42e-06	-1.66e-05	0.0
154	98	0.07	-0.16	-0.27	9.40e-06	-1.81e-05	0.0
154	110	0.0	0.0	-0.27	0.0	0.0	0.0
154	111	2.48e-04	-4.60e-03	-0.19	9.51e-06	-1.76e-05	0.0
154	112	2.48e-04	-4.60e-03	-0.27	9.51e-06	-1.76e-05	0.0
154	114	0.0	0.0	-0.27	0.0	0.0	0.0
154	115	2.48e-04	-4.60e-03	-0.19	9.51e-06	-1.76e-05	0.0
154	116	2.48e-04	-4.60e-03	-0.27	9.51e-06	-1.76e-05	0.0
154	118	0.0	0.0	-0.27	0.0	0.0	0.0
154	119	2.48e-04	-4.60e-03	-0.19	9.51e-06	-1.76e-05	0.0
154	120	2.48e-04	-4.60e-03	-0.27	9.51e-06	-1.76e-05	0.0
154	122	0.0	0.0	-0.27	0.0	0.0	0.0
154	123	2.48e-04	-4.60e-03	-0.19	9.51e-06	-1.76e-05	0.0
154	124	2.48e-04	-4.60e-03	-0.27	9.51e-06	-1.76e-05	0.0
155	2	0.0	0.0	-0.37	0.0	0.0	0.0
155	4	3.43e-05	-7.03e-03	-0.37	3.93e-06	-7.12e-06	0.0
155	7	3.43e-05	-7.03e-03	-0.20	3.93e-06	-7.12e-06	0.0
155	10	0.0	0.0	-0.30	0.0	0.0	0.0
155	20	-0.11	-0.09	-0.27	3.59e-06	-6.60e-06	0.0
155	22	0.14	-0.11	-0.27	2.05e-06	-4.25e-06	0.0
155	34	0.07	-0.17	-0.27	2.65e-06	-4.95e-06	0.0
155	52	-0.05	-0.05	-0.27	3.08e-06	-5.63e-06	0.0
155	54	0.07	-0.05	-0.27	2.35e-06	-4.51e-06	0.0
155	66	0.03	-0.08	-0.27	2.63e-06	-4.85e-06	0.0
155	86	0.14	-0.11	-0.27	2.05e-06	-4.25e-06	0.0
155	98	0.07	-0.17	-0.27	2.65e-06	-4.95e-06	0.0
155	110	0.0	0.0	-0.27	0.0	0.0	0.0
155	111	2.29e-05	-4.69e-03	-0.19	2.62e-06	-4.75e-06	0.0
155	112	2.29e-05	-4.69e-03	-0.27	2.62e-06	-4.75e-06	0.0
155	114	0.0	0.0	-0.27	0.0	0.0	0.0
155	115	2.29e-05	-4.69e-03	-0.19	2.62e-06	-4.75e-06	0.0
155	116	2.29e-05	-4.69e-03	-0.27	2.62e-06	-4.75e-06	0.0

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155	118	0.0	0.0	-0.27	0.0	0.0	0.0
155	119	2.29e-05	-4.69e-03	-0.19	2.62e-06	-4.75e-06	0.0
155	120	2.29e-05	-4.69e-03	-0.27	2.62e-06	-4.75e-06	0.0
155	122	0.0	0.0	-0.27	0.0	0.0	0.0
155	123	2.29e-05	-4.69e-03	-0.19	2.62e-06	-4.75e-06	0.0
155	124	2.29e-05	-4.69e-03	-0.27	2.62e-06	-4.75e-06	0.0
156	2	0.0	0.0	-0.37	0.0	0.0	0.0
156	7	-1.30e-04	-7.08e-03	-0.20	0.0	2.12e-06	0.0
156	10	0.0	0.0	-0.30	0.0	0.0	0.0
156	21	0.12	-0.02	-0.27	0.0	1.18e-06	0.0
156	23	-0.14	0.11	-0.27	0.0	1.39e-06	0.0
156	34	0.07	-0.18	-0.27	-1.00e-06	1.82e-06	0.0
156	53	0.06	-0.01	-0.27	0.0	1.30e-06	0.0
156	55	-0.07	0.05	-0.27	0.0	1.40e-06	0.0
156	66	0.04	-0.09	-0.27	0.0	1.61e-06	0.0
156	87	-0.14	0.11	-0.27	0.0	1.39e-06	0.0
156	98	0.07	-0.18	-0.27	-1.00e-06	1.82e-06	0.0
156	110	0.0	0.0	-0.27	0.0	0.0	0.0
156	111	-8.68e-05	-4.72e-03	-0.19	0.0	1.42e-06	0.0
156	114	0.0	0.0	-0.27	0.0	0.0	0.0
156	115	-8.68e-05	-4.72e-03	-0.19	0.0	1.42e-06	0.0
156	118	0.0	0.0	-0.27	0.0	0.0	0.0
156	119	-8.68e-05	-4.72e-03	-0.19	0.0	1.42e-06	0.0
156	122	0.0	0.0	-0.27	0.0	0.0	0.0
156	123	-8.68e-05	-4.72e-03	-0.19	0.0	1.42e-06	0.0
157	2	0.0	0.0	-0.37	0.0	0.0	0.0
157	4	-1.93e-04	-7.07e-03	-0.37	-2.58e-06	5.51e-06	0.0
157	7	-1.93e-04	-7.07e-03	-0.20	-2.58e-06	5.51e-06	0.0
157	10	0.0	0.0	-0.30	0.0	0.0	0.0
157	23	-0.15	0.11	-0.27	-2.00e-06	4.10e-06	0.0
157	34	0.08	-0.19	-0.27	-2.31e-06	4.50e-06	0.0
157	37	0.07	0.12	-0.27	-3.29e-06	6.09e-06	0.0
157	55	-0.07	0.05	-0.27	-1.86e-06	3.87e-06	0.0
157	66	0.04	-0.09	-0.27	-2.00e-06	4.07e-06	0.0
157	69	0.03	0.05	-0.27	-2.47e-06	4.83e-06	0.0
157	87	-0.15	0.11	-0.27	-2.00e-06	4.10e-06	0.0
157	98	0.08	-0.19	-0.27	-2.31e-06	4.50e-06	0.0
157	110	0.0	0.0	-0.27	0.0	0.0	0.0
157	111	-1.29e-04	-4.71e-03	-0.19	-1.72e-06	3.67e-06	0.0
157	112	-1.29e-04	-4.71e-03	-0.27	-1.72e-06	3.67e-06	0.0
157	114	0.0	0.0	-0.27	0.0	0.0	0.0
157	115	-1.29e-04	-4.71e-03	-0.19	-1.72e-06	3.67e-06	0.0
157	116	-1.29e-04	-4.71e-03	-0.27	-1.72e-06	3.67e-06	0.0
157	118	0.0	0.0	-0.27	0.0	0.0	0.0
157	119	-1.29e-04	-4.71e-03	-0.19	-1.72e-06	3.67e-06	0.0
157	120	-1.29e-04	-4.71e-03	-0.27	-1.72e-06	3.67e-06	0.0
157	122	0.0	0.0	-0.27	0.0	0.0	0.0
157	123	-1.29e-04	-4.71e-03	-0.19	-1.72e-06	3.67e-06	0.0
157	124	-1.29e-04	-4.71e-03	-0.27	-1.72e-06	3.67e-06	0.0
158	2	0.0	0.0	-0.37	0.0	0.0	0.0
158	4	-2.05e-04	-7.04e-03	-0.37	-2.74e-06	5.99e-06	0.0
158	7	-2.05e-04	-7.04e-03	-0.20	-2.74e-06	5.99e-06	0.0
158	10	0.0	0.0	-0.30	0.0	0.0	0.0
158	23	-0.15	0.12	-0.27	-2.54e-06	4.85e-06	0.0
158	34	0.08	-0.19	-0.27	-2.76e-06	5.34e-06	0.0
158	37	0.07	0.12	-0.27	-4.14e-06	7.15e-06	0.0
158	55	-0.07	0.06	-0.27	-2.17e-06	4.40e-06	0.0
158	66	0.04	-0.10	-0.27	-2.27e-06	4.64e-06	0.0
158	69	0.03	0.06	-0.27	-2.93e-06	5.50e-06	0.0
158	87	-0.15	0.12	-0.27	-2.54e-06	4.85e-06	0.0
158	98	0.08	-0.19	-0.27	-2.76e-06	5.34e-06	0.0
158	110	0.0	0.0	-0.27	0.0	0.0	0.0
158	111	-1.37e-04	-4.70e-03	-0.19	-1.82e-06	3.99e-06	0.0
158	112	-1.37e-04	-4.70e-03	-0.27	-1.82e-06	3.99e-06	0.0
158	114	0.0	0.0	-0.27	0.0	0.0	0.0

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158	115	-1.37e-04	-4.70e-03	-0.19	-1.82e-06	3.99e-06	0.0
158	116	-1.37e-04	-4.70e-03	-0.27	-1.82e-06	3.99e-06	0.0
158	118	0.0	0.0	-0.27	0.0	0.0	0.0
158	119	-1.37e-04	-4.70e-03	-0.19	-1.82e-06	3.99e-06	0.0
158	120	-1.37e-04	-4.70e-03	-0.27	-1.82e-06	3.99e-06	0.0
158	122	0.0	0.0	-0.27	0.0	0.0	0.0
158	123	-1.37e-04	-4.70e-03	-0.19	-1.82e-06	3.99e-06	0.0
158	124	-1.37e-04	-4.70e-03	-0.27	-1.82e-06	3.99e-06	0.0
159	2	0.0	0.0	-0.37	0.0	0.0	0.0
159	4	-2.01e-04	-7.01e-03	-0.37	-2.35e-06	5.45e-06	0.0
159	7	-2.01e-04	-7.01e-03	-0.20	-2.35e-06	5.45e-06	0.0
159	10	0.0	0.0	-0.30	0.0	0.0	0.0
159	23	-0.15	0.13	-0.27	-2.75e-06	4.85e-06	0.0
159	34	0.09	-0.20	-0.27	-2.93e-06	5.55e-06	0.0
159	37	0.07	0.13	-0.27	-4.77e-06	7.65e-06	0.0
159	55	-0.07	0.06	-0.27	-2.13e-06	4.21e-06	0.0
159	66	0.04	-0.10	-0.27	-2.22e-06	4.56e-06	0.0
159	69	0.04	0.06	-0.27	-3.10e-06	5.55e-06	0.0
159	87	-0.15	0.13	-0.27	-2.75e-06	4.85e-06	0.0
159	98	0.09	-0.20	-0.27	-2.93e-06	5.55e-06	0.0
159	110	0.0	0.0	-0.27	0.0	0.0	0.0
159	111	-1.34e-04	-4.67e-03	-0.19	-1.57e-06	3.63e-06	0.0
159	112	-1.34e-04	-4.67e-03	-0.27	-1.57e-06	3.63e-06	0.0
159	114	0.0	0.0	-0.27	0.0	0.0	0.0
159	115	-1.34e-04	-4.67e-03	-0.19	-1.57e-06	3.63e-06	0.0
159	116	-1.34e-04	-4.67e-03	-0.27	-1.57e-06	3.63e-06	0.0
159	118	0.0	0.0	-0.27	0.0	0.0	0.0
159	119	-1.34e-04	-4.67e-03	-0.19	-1.57e-06	3.63e-06	0.0
159	120	-1.34e-04	-4.67e-03	-0.27	-1.57e-06	3.63e-06	0.0
159	122	0.0	0.0	-0.27	0.0	0.0	0.0
159	123	-1.34e-04	-4.67e-03	-0.19	-1.57e-06	3.63e-06	0.0
159	124	-1.34e-04	-4.67e-03	-0.27	-1.57e-06	3.63e-06	0.0
160	2	0.0	0.0	-0.37	0.0	0.0	0.0
160	4	-1.96e-04	-6.98e-03	-0.37	-1.96e-06	4.91e-06	0.0
160	7	-1.96e-04	-6.98e-03	-0.20	-1.96e-06	4.91e-06	0.0
160	10	0.0	0.0	-0.30	0.0	0.0	0.0
160	23	-0.16	0.14	-0.27	-2.95e-06	4.72e-06	0.0
160	34	0.09	-0.21	-0.27	-3.08e-06	5.68e-06	0.0
160	37	0.08	0.13	-0.27	-5.38e-06	8.01e-06	0.0
160	55	-0.08	0.07	-0.27	-2.10e-06	3.96e-06	0.0
160	66	0.04	-0.10	-0.27	-2.16e-06	4.43e-06	0.0
160	69	0.04	0.06	-0.27	-3.26e-06	5.54e-06	0.0
160	87	-0.16	0.14	-0.27	-2.95e-06	4.72e-06	0.0
160	98	0.09	-0.21	-0.27	-3.08e-06	5.68e-06	0.0
160	110	0.0	0.0	-0.27	0.0	0.0	0.0
160	111	-1.31e-04	-4.66e-03	-0.19	-1.31e-06	3.27e-06	0.0
160	112	-1.31e-04	-4.66e-03	-0.27	-1.31e-06	3.27e-06	0.0
160	114	0.0	0.0	-0.27	0.0	0.0	0.0
160	115	-1.31e-04	-4.66e-03	-0.19	-1.31e-06	3.27e-06	0.0
160	116	-1.31e-04	-4.66e-03	-0.27	-1.31e-06	3.27e-06	0.0
160	118	0.0	0.0	-0.27	0.0	0.0	0.0
160	119	-1.31e-04	-4.66e-03	-0.19	-1.31e-06	3.27e-06	0.0
160	120	-1.31e-04	-4.66e-03	-0.27	-1.31e-06	3.27e-06	0.0
160	122	0.0	0.0	-0.27	0.0	0.0	0.0
160	123	-1.31e-04	-4.66e-03	-0.19	-1.31e-06	3.27e-06	0.0
160	124	-1.31e-04	-4.66e-03	-0.27	-1.31e-06	3.27e-06	0.0
161	4	-1.98e-04	-6.96e-03	-0.37	-1.72e-06	4.65e-06	0.0
161	7	-1.98e-04	-6.96e-03	-0.20	-1.72e-06	4.65e-06	0.0
161	12	-1.71e-04	-6.03e-03	-0.30	-1.49e-06	4.03e-06	0.0
161	23	-0.16	0.15	-0.27	-3.17e-06	4.61e-06	0.0
161	34	0.09	-0.22	-0.27	-3.17e-06	5.68e-06	0.0
161	37	0.08	0.14	-0.28	-5.83e-06	8.06e-06	0.0
161	55	-0.08	0.07	-0.27	-2.12e-06	3.82e-06	0.0
161	66	0.05	-0.11	-0.27	-2.12e-06	4.34e-06	0.0
161	69	0.04	0.06	-0.27	-3.38e-06	5.47e-06	0.0

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161	87	-0.16	0.15	-0.27	-3.17e-06	4.61e-06	0.0
161	98	0.09	-0.22	-0.27	-3.17e-06	5.68e-06	0.0
161	111	-1.32e-04	-4.64e-03	-0.19	-1.15e-06	3.10e-06	0.0
161	112	-1.32e-04	-4.64e-03	-0.27	-1.15e-06	3.10e-06	0.0
161	115	-1.32e-04	-4.64e-03	-0.19	-1.15e-06	3.10e-06	0.0
161	116	-1.32e-04	-4.64e-03	-0.27	-1.15e-06	3.10e-06	0.0
161	119	-1.32e-04	-4.64e-03	-0.19	-1.15e-06	3.10e-06	0.0
161	120	-1.32e-04	-4.64e-03	-0.27	-1.15e-06	3.10e-06	0.0
161	123	-1.32e-04	-4.64e-03	-0.19	-1.15e-06	3.10e-06	0.0
161	124	-1.32e-04	-4.64e-03	-0.27	-1.15e-06	3.10e-06	0.0
162	4	1.37e-03	-6.15e-03	-0.39	6.42e-05	-8.35e-05	0.0
162	7	1.37e-03	-6.15e-03	-0.21	6.42e-05	-8.35e-05	0.0
162	12	1.18e-03	-5.33e-03	-0.31	5.57e-05	-7.24e-05	0.0
162	20	-0.11	-0.07	-0.28	4.48e-05	-5.74e-05	0.0
162	22	0.14	-0.08	-0.28	4.07e-05	-5.49e-05	0.0
162	34	0.07	-0.15	-0.28	4.26e-05	-5.74e-05	0.0
162	52	-0.05	-0.04	-0.28	4.38e-05	-5.65e-05	0.0
162	54	0.07	-0.04	-0.28	4.18e-05	-5.53e-05	0.0
162	66	0.03	-0.07	-0.28	4.27e-05	-5.65e-05	0.0
162	86	0.14	-0.08	-0.28	4.07e-05	-5.49e-05	0.0
162	98	0.07	-0.15	-0.28	4.26e-05	-5.74e-05	0.0
162	111	9.10e-04	-4.10e-03	-0.20	4.28e-05	-5.57e-05	0.0
162	112	9.10e-04	-4.10e-03	-0.28	4.28e-05	-5.57e-05	0.0
162	115	9.10e-04	-4.10e-03	-0.20	4.28e-05	-5.57e-05	0.0
162	116	9.10e-04	-4.10e-03	-0.28	4.28e-05	-5.57e-05	0.0
162	119	9.10e-04	-4.10e-03	-0.20	4.28e-05	-5.57e-05	0.0
162	120	9.10e-04	-4.10e-03	-0.28	4.28e-05	-5.57e-05	0.0
162	123	9.10e-04	-4.10e-03	-0.20	4.28e-05	-5.57e-05	0.0
162	124	9.10e-04	-4.10e-03	-0.28	4.28e-05	-5.57e-05	0.0
163	4	6.58e-04	-6.64e-03	-0.38	3.28e-05	-4.32e-05	0.0
163	7	6.58e-04	-6.64e-03	-0.20	3.28e-05	-4.32e-05	0.0
163	12	5.70e-04	-5.75e-03	-0.30	2.84e-05	-3.74e-05	0.0
163	20	-0.11	-0.08	-0.28	2.34e-05	-3.04e-05	0.0
163	22	0.14	-0.09	-0.27	2.04e-05	-2.81e-05	0.0
163	34	0.07	-0.15	-0.27	2.19e-05	-2.99e-05	0.0
163	52	-0.05	-0.04	-0.28	2.26e-05	-2.95e-05	0.0
163	54	0.07	-0.04	-0.27	2.12e-05	-2.84e-05	0.0
163	66	0.03	-0.08	-0.27	2.19e-05	-2.93e-05	0.0
163	86	0.14	-0.09	-0.27	2.04e-05	-2.81e-05	0.0
163	98	0.07	-0.15	-0.27	2.19e-05	-2.99e-05	0.0
163	111	4.39e-04	-4.42e-03	-0.19	2.19e-05	-2.88e-05	0.0
163	112	4.39e-04	-4.42e-03	-0.27	2.19e-05	-2.88e-05	0.0
163	115	4.39e-04	-4.42e-03	-0.19	2.19e-05	-2.88e-05	0.0
163	116	4.39e-04	-4.42e-03	-0.27	2.19e-05	-2.88e-05	0.0
163	119	4.39e-04	-4.42e-03	-0.19	2.19e-05	-2.88e-05	0.0
163	120	4.39e-04	-4.42e-03	-0.27	2.19e-05	-2.88e-05	0.0
163	123	4.39e-04	-4.42e-03	-0.19	2.19e-05	-2.88e-05	0.0
163	124	4.39e-04	-4.42e-03	-0.27	2.19e-05	-2.88e-05	0.0
164	2	0.0	0.0	-0.37	0.0	0.0	0.0
164	4	2.13e-04	-6.92e-03	-0.37	1.35e-05	-1.79e-05	0.0
164	7	2.13e-04	-6.92e-03	-0.20	1.35e-05	-1.79e-05	0.0
164	10	0.0	0.0	-0.30	0.0	0.0	0.0
164	20	-0.11	-0.08	-0.27	1.03e-05	-1.35e-05	0.0
164	22	0.14	-0.09	-0.27	8.08e-06	-1.14e-05	0.0
164	34	0.08	-0.16	-0.27	9.09e-06	-1.26e-05	0.0
164	52	-0.05	-0.04	-0.27	9.64e-06	-1.27e-05	0.0
164	54	0.07	-0.05	-0.27	8.57e-06	-1.17e-05	0.0
164	66	0.04	-0.08	-0.27	9.05e-06	-1.22e-05	0.0
164	86	0.14	-0.09	-0.27	8.08e-06	-1.14e-05	0.0
164	98	0.08	-0.16	-0.27	9.09e-06	-1.26e-05	0.0
164	110	0.0	0.0	-0.27	0.0	0.0	0.0
164	111	1.42e-04	-4.62e-03	-0.19	9.02e-06	-1.19e-05	0.0
164	112	1.42e-04	-4.62e-03	-0.27	9.02e-06	-1.19e-05	0.0
164	114	0.0	0.0	-0.27	0.0	0.0	0.0
164	115	1.42e-04	-4.62e-03	-0.19	9.02e-06	-1.19e-05	0.0

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164	116	1.42e-04	-4.62e-03	-0.27	9.02e-06	-1.19e-05	0.0
164	118	0.0	0.0	-0.27	0.0	0.0	0.0
164	119	1.42e-04	-4.62e-03	-0.19	9.02e-06	-1.19e-05	0.0
164	120	1.42e-04	-4.62e-03	-0.27	9.02e-06	-1.19e-05	0.0
164	122	0.0	0.0	-0.27	0.0	0.0	0.0
164	123	1.42e-04	-4.62e-03	-0.19	9.02e-06	-1.19e-05	0.0
164	124	1.42e-04	-4.62e-03	-0.27	9.02e-06	-1.19e-05	0.0
165	2	0.0	0.0	-0.37	0.0	0.0	0.0
165	7	-3.66e-05	-7.07e-03	-0.20	2.99e-06	-3.81e-06	0.0
165	10	0.0	0.0	-0.30	0.0	0.0	0.0
165	20	-0.11	-0.09	-0.27	3.39e-06	-4.27e-06	0.0
165	23	-0.15	0.09	-0.27	2.41e-06	-2.72e-06	0.0
165	34	0.08	-0.17	-0.27	2.08e-06	-2.81e-06	0.0
165	52	-0.05	-0.04	-0.27	2.66e-06	-3.36e-06	0.0
165	55	-0.07	0.04	-0.27	2.19e-06	-2.62e-06	0.0
165	66	0.04	-0.08	-0.27	2.03e-06	-2.67e-06	0.0
165	87	-0.15	0.09	-0.27	2.41e-06	-2.72e-06	0.0
165	98	0.08	-0.17	-0.27	2.08e-06	-2.81e-06	0.0
165	110	0.0	0.0	-0.27	0.0	0.0	0.0
165	111	-2.44e-05	-4.71e-03	-0.19	2.00e-06	-2.54e-06	0.0
165	114	0.0	0.0	-0.27	0.0	0.0	0.0
165	115	-2.44e-05	-4.71e-03	-0.19	2.00e-06	-2.54e-06	0.0
165	118	0.0	0.0	-0.27	0.0	0.0	0.0
165	119	-2.44e-05	-4.71e-03	-0.19	2.00e-06	-2.54e-06	0.0
165	122	0.0	0.0	-0.27	0.0	0.0	0.0
165	123	-2.44e-05	-4.71e-03	-0.19	2.00e-06	-2.54e-06	0.0
166	2	0.0	0.0	-0.37	0.0	0.0	0.0
166	4	-1.57e-04	-7.12e-03	-0.37	-1.89e-06	2.84e-06	0.0
166	7	-1.57e-04	-7.12e-03	-0.20	-1.89e-06	2.84e-06	0.0
166	10	0.0	0.0	-0.30	0.0	0.0	0.0
166	21	0.13	-0.02	-0.27	0.0	1.40e-06	0.0
166	23	-0.15	0.10	-0.27	-1.38e-06	2.08e-06	0.0
166	34	0.09	-0.17	-0.27	-1.64e-06	2.31e-06	0.0
166	53	0.06	-0.01	-0.27	-1.07e-06	1.66e-06	0.0
166	55	-0.07	0.05	-0.27	-1.32e-06	1.98e-06	0.0
166	66	0.04	-0.09	-0.27	-1.44e-06	2.09e-06	0.0
166	87	-0.15	0.10	-0.27	-1.38e-06	2.08e-06	0.0
166	98	0.09	-0.17	-0.27	-1.64e-06	2.31e-06	0.0
166	110	0.0	0.0	-0.27	0.0	0.0	0.0
166	111	-1.05e-04	-4.74e-03	-0.19	-1.26e-06	1.89e-06	0.0
166	112	-1.05e-04	-4.74e-03	-0.27	-1.26e-06	1.89e-06	0.0
166	114	0.0	0.0	-0.27	0.0	0.0	0.0
166	115	-1.05e-04	-4.74e-03	-0.19	-1.26e-06	1.89e-06	0.0
166	116	-1.05e-04	-4.74e-03	-0.27	-1.26e-06	1.89e-06	0.0
166	118	0.0	0.0	-0.27	0.0	0.0	0.0
166	119	-1.05e-04	-4.74e-03	-0.19	-1.26e-06	1.89e-06	0.0
166	120	-1.05e-04	-4.74e-03	-0.27	-1.26e-06	1.89e-06	0.0
166	122	0.0	0.0	-0.27	0.0	0.0	0.0
166	123	-1.05e-04	-4.74e-03	-0.19	-1.26e-06	1.89e-06	0.0
166	124	-1.05e-04	-4.74e-03	-0.27	-1.26e-06	1.89e-06	0.0
167	2	0.0	0.0	-0.37	0.0	0.0	0.0
167	4	-2.02e-04	-7.11e-03	-0.37	-3.52e-06	5.16e-06	0.0
167	7	-2.02e-04	-7.11e-03	-0.20	-3.52e-06	5.16e-06	0.0
167	10	0.0	0.0	-0.30	0.0	0.0	0.0
167	23	-0.16	0.11	-0.27	-2.90e-06	4.07e-06	0.0
167	34	0.09	-0.18	-0.27	-3.05e-06	4.34e-06	0.0
167	37	0.08	0.12	-0.27	-4.49e-06	6.14e-06	0.0
167	55	-0.08	0.05	-0.27	-2.61e-06	3.74e-06	0.0
167	66	0.04	-0.09	-0.27	-2.68e-06	3.87e-06	0.0
167	69	0.04	0.05	-0.27	-3.37e-06	4.73e-06	0.0
167	87	-0.16	0.11	-0.27	-2.90e-06	4.07e-06	0.0
167	98	0.09	-0.18	-0.27	-3.05e-06	4.34e-06	0.0
167	110	0.0	0.0	-0.27	0.0	0.0	0.0
167	111	-1.35e-04	-4.74e-03	-0.19	-2.35e-06	3.44e-06	0.0
167	112	-1.35e-04	-4.74e-03	-0.27	-2.35e-06	3.44e-06	0.0

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167	114	0.0	0.0	-0.27	0.0	0.0	0.0
167	115	-1.35e-04	-4.74e-03	-0.19	-2.35e-06	3.44e-06	0.0
167	116	-1.35e-04	-4.74e-03	-0.27	-2.35e-06	3.44e-06	0.0
167	118	0.0	0.0	-0.27	0.0	0.0	0.0
167	119	-1.35e-04	-4.74e-03	-0.19	-2.35e-06	3.44e-06	0.0
167	120	-1.35e-04	-4.74e-03	-0.27	-2.35e-06	3.44e-06	0.0
167	122	0.0	0.0	-0.27	0.0	0.0	0.0
167	123	-1.35e-04	-4.74e-03	-0.19	-2.35e-06	3.44e-06	0.0
167	124	-1.35e-04	-4.74e-03	-0.27	-2.35e-06	3.44e-06	0.0
168	2	0.0	0.0	-0.37	0.0	0.0	0.0
168	4	-2.11e-04	-7.09e-03	-0.37	-3.58e-06	5.36e-06	0.0
168	7	-2.11e-04	-7.09e-03	-0.20	-3.58e-06	5.36e-06	0.0
168	10	0.0	0.0	-0.30	0.0	0.0	0.0
168	23	-0.16	0.12	-0.27	-3.45e-06	4.62e-06	0.0
168	34	0.10	-0.19	-0.27	-3.49e-06	5.05e-06	0.0
168	37	0.08	0.12	-0.27	-5.32e-06	7.09e-06	0.0
168	55	-0.08	0.05	-0.27	-2.89e-06	4.08e-06	0.0
168	66	0.05	-0.09	-0.27	-2.91e-06	4.28e-06	0.0
168	69	0.04	0.05	-0.27	-3.79e-06	5.25e-06	0.0
168	87	-0.16	0.12	-0.27	-3.45e-06	4.62e-06	0.0
168	98	0.10	-0.19	-0.27	-3.49e-06	5.05e-06	0.0
168	110	0.0	0.0	-0.27	0.0	0.0	0.0
168	111	-1.40e-04	-4.73e-03	-0.19	-2.38e-06	3.58e-06	0.0
168	112	-1.40e-04	-4.73e-03	-0.27	-2.38e-06	3.58e-06	0.0
168	114	0.0	0.0	-0.27	0.0	0.0	0.0
168	115	-1.40e-04	-4.73e-03	-0.19	-2.38e-06	3.58e-06	0.0
168	116	-1.40e-04	-4.73e-03	-0.27	-2.38e-06	3.58e-06	0.0
168	118	0.0	0.0	-0.27	0.0	0.0	0.0
168	119	-1.40e-04	-4.73e-03	-0.19	-2.38e-06	3.58e-06	0.0
168	120	-1.40e-04	-4.73e-03	-0.27	-2.38e-06	3.58e-06	0.0
168	122	0.0	0.0	-0.27	0.0	0.0	0.0
168	123	-1.40e-04	-4.73e-03	-0.19	-2.38e-06	3.58e-06	0.0
168	124	-1.40e-04	-4.73e-03	-0.27	-2.38e-06	3.58e-06	0.0
169	2	0.0	0.0	-0.37	0.0	0.0	0.0
169	4	-2.07e-04	-7.06e-03	-0.37	-3.10e-06	4.85e-06	0.0
169	7	-2.07e-04	-7.06e-03	-0.20	-3.10e-06	4.85e-06	0.0
169	10	0.0	0.0	-0.30	0.0	0.0	0.0
169	23	-0.17	0.12	-0.27	-3.66e-06	4.65e-06	0.0
169	34	0.10	-0.19	-0.27	-3.59e-06	5.32e-06	0.0
169	37	0.09	0.12	-0.27	-5.90e-06	7.67e-06	0.0
169	55	-0.08	0.06	-0.27	-2.83e-06	3.91e-06	0.0
169	66	0.05	-0.10	-0.27	-2.80e-06	4.23e-06	0.0
169	69	0.04	0.06	-0.27	-3.90e-06	5.36e-06	0.0
169	87	-0.17	0.12	-0.27	-3.66e-06	4.65e-06	0.0
169	98	0.10	-0.19	-0.27	-3.59e-06	5.32e-06	0.0
169	110	0.0	0.0	-0.27	0.0	0.0	0.0
169	111	-1.38e-04	-4.71e-03	-0.19	-2.07e-06	3.23e-06	0.0
169	112	-1.38e-04	-4.71e-03	-0.27	-2.07e-06	3.23e-06	0.0
169	114	0.0	0.0	-0.27	0.0	0.0	0.0
169	115	-1.38e-04	-4.71e-03	-0.19	-2.07e-06	3.23e-06	0.0
169	116	-1.38e-04	-4.71e-03	-0.27	-2.07e-06	3.23e-06	0.0
169	118	0.0	0.0	-0.27	0.0	0.0	0.0
169	119	-1.38e-04	-4.71e-03	-0.19	-2.07e-06	3.23e-06	0.0
169	120	-1.38e-04	-4.71e-03	-0.27	-2.07e-06	3.23e-06	0.0
169	122	0.0	0.0	-0.27	0.0	0.0	0.0
169	123	-1.38e-04	-4.71e-03	-0.19	-2.07e-06	3.23e-06	0.0
169	124	-1.38e-04	-4.71e-03	-0.27	-2.07e-06	3.23e-06	0.0
170	2	0.0	0.0	-0.37	0.0	0.0	0.0
170	4	-2.05e-04	-7.03e-03	-0.37	-2.65e-06	4.38e-06	0.0
170	7	-2.05e-04	-7.03e-03	-0.20	-2.65e-06	4.38e-06	0.0
170	10	0.0	0.0	-0.30	0.0	0.0	0.0
170	23	-0.17	0.13	-0.27	-3.86e-06	4.59e-06	0.0
170	34	0.11	-0.20	-0.27	-3.65e-06	5.53e-06	0.0
170	37	0.09	0.13	-0.27	-6.44e-06	8.15e-06	0.0
170	55	-0.08	0.06	-0.27	-2.77e-06	3.72e-06	0.0

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170	66	0.05	-0.10	-0.27	-2.67e-06	4.18e-06	0.0
170	69	0.04	0.06	-0.27	-4.00e-06	5.42e-06	0.0
170	87	-0.17	0.13	-0.27	-3.86e-06	4.59e-06	0.0
170	98	0.11	-0.20	-0.27	-3.65e-06	5.53e-06	0.0
170	110	0.0	0.0	-0.27	0.0	0.0	0.0
170	111	-1.37e-04	-4.69e-03	-0.19	-1.77e-06	2.92e-06	0.0
170	112	-1.37e-04	-4.69e-03	-0.27	-1.77e-06	2.92e-06	0.0
170	114	0.0	0.0	-0.27	0.0	0.0	0.0
170	115	-1.37e-04	-4.69e-03	-0.19	-1.77e-06	2.92e-06	0.0
170	116	-1.37e-04	-4.69e-03	-0.27	-1.77e-06	2.92e-06	0.0
170	118	0.0	0.0	-0.27	0.0	0.0	0.0
170	119	-1.37e-04	-4.69e-03	-0.19	-1.77e-06	2.92e-06	0.0
170	120	-1.37e-04	-4.69e-03	-0.27	-1.77e-06	2.92e-06	0.0
170	122	0.0	0.0	-0.27	0.0	0.0	0.0
170	123	-1.37e-04	-4.69e-03	-0.19	-1.77e-06	2.92e-06	0.0
170	124	-1.37e-04	-4.69e-03	-0.27	-1.77e-06	2.92e-06	0.0
171	4	-2.08e-04	-7.01e-03	-0.37	-2.38e-06	4.16e-06	0.0
171	7	-2.08e-04	-7.01e-03	-0.20	-2.38e-06	4.16e-06	0.0
171	12	-1.81e-04	-6.08e-03	-0.30	-2.06e-06	3.60e-06	0.0
171	23	-0.18	0.14	-0.27	-4.03e-06	4.50e-06	0.0
171	34	0.11	-0.21	-0.27	-3.62e-06	5.63e-06	0.0
171	37	0.10	0.13	-0.28	-6.73e-06	8.30e-06	0.0
171	55	-0.08	0.06	-0.27	-2.76e-06	3.60e-06	0.0
171	66	0.05	-0.10	-0.27	-2.56e-06	4.14e-06	0.0
171	69	0.05	0.06	-0.27	-4.04e-06	5.41e-06	0.0
171	87	-0.18	0.14	-0.27	-4.03e-06	4.50e-06	0.0
171	98	0.11	-0.21	-0.27	-3.62e-06	5.63e-06	0.0
171	111	-1.39e-04	-4.67e-03	-0.19	-1.59e-06	2.77e-06	0.0
171	112	-1.39e-04	-4.67e-03	-0.27	-1.59e-06	2.77e-06	0.0
171	115	-1.39e-04	-4.67e-03	-0.19	-1.59e-06	2.77e-06	0.0
171	116	-1.39e-04	-4.67e-03	-0.27	-1.59e-06	2.77e-06	0.0
171	119	-1.39e-04	-4.67e-03	-0.19	-1.59e-06	2.77e-06	0.0
171	120	-1.39e-04	-4.67e-03	-0.27	-1.59e-06	2.77e-06	0.0
171	123	-1.39e-04	-4.67e-03	-0.19	-1.59e-06	2.77e-06	0.0
171	124	-1.39e-04	-4.67e-03	-0.27	-1.59e-06	2.77e-06	0.0
172	4	9.00e-04	-6.28e-03	-0.38	5.65e-05	-5.71e-05	0.0
172	7	9.00e-04	-6.28e-03	-0.21	5.65e-05	-5.71e-05	0.0
172	12	7.80e-04	-5.44e-03	-0.31	4.89e-05	-4.94e-05	0.0
172	20	-0.11	-0.07	-0.28	3.96e-05	-3.92e-05	0.0
172	22	0.14	-0.08	-0.28	3.59e-05	-3.77e-05	0.0
172	34	0.07	-0.15	-0.28	3.80e-05	-3.97e-05	0.0
172	52	-0.05	-0.03	-0.28	3.86e-05	-3.86e-05	0.0
172	54	0.07	-0.04	-0.28	3.68e-05	-3.79e-05	0.0
172	66	0.04	-0.07	-0.28	3.78e-05	-3.88e-05	0.0
172	86	0.14	-0.08	-0.28	3.59e-05	-3.77e-05	0.0
172	98	0.07	-0.15	-0.28	3.80e-05	-3.97e-05	0.0
172	111	6.00e-04	-4.19e-03	-0.20	3.77e-05	-3.80e-05	0.0
172	112	6.00e-04	-4.19e-03	-0.28	3.77e-05	-3.80e-05	0.0
172	115	6.00e-04	-4.19e-03	-0.20	3.77e-05	-3.80e-05	0.0
172	116	6.00e-04	-4.19e-03	-0.28	3.77e-05	-3.80e-05	0.0
172	119	6.00e-04	-4.19e-03	-0.20	3.77e-05	-3.80e-05	0.0
172	120	6.00e-04	-4.19e-03	-0.28	3.77e-05	-3.80e-05	0.0
172	123	6.00e-04	-4.19e-03	-0.20	3.77e-05	-3.80e-05	0.0
172	124	6.00e-04	-4.19e-03	-0.28	3.77e-05	-3.80e-05	0.0
173	4	3.93e-04	-6.73e-03	-0.37	2.81e-05	-2.82e-05	0.0
173	7	3.93e-04	-6.73e-03	-0.20	2.81e-05	-2.82e-05	0.0
173	12	3.41e-04	-5.83e-03	-0.30	2.43e-05	-2.45e-05	0.0
173	20	-0.11	-0.07	-0.27	2.04e-05	-2.00e-05	0.0
173	22	0.15	-0.08	-0.27	1.75e-05	-1.85e-05	0.0
173	34	0.08	-0.15	-0.27	1.91e-05	-2.00e-05	0.0
173	52	-0.05	-0.04	-0.27	1.95e-05	-1.94e-05	0.0
173	54	0.07	-0.04	-0.27	1.82e-05	-1.87e-05	0.0
173	66	0.04	-0.07	-0.27	1.89e-05	-1.94e-05	0.0
173	86	0.15	-0.08	-0.27	1.75e-05	-1.85e-05	0.0
173	98	0.08	-0.15	-0.27	1.91e-05	-2.00e-05	0.0

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173	111	2.62e-04	-4.48e-03	-0.19	1.87e-05	-1.88e-05	0.0
173	112	2.62e-04	-4.48e-03	-0.27	1.87e-05	-1.88e-05	0.0
173	115	2.62e-04	-4.48e-03	-0.19	1.87e-05	-1.88e-05	0.0
173	116	2.62e-04	-4.48e-03	-0.27	1.87e-05	-1.88e-05	0.0
173	119	2.62e-04	-4.48e-03	-0.19	1.87e-05	-1.88e-05	0.0
173	120	2.62e-04	-4.48e-03	-0.27	1.87e-05	-1.88e-05	0.0
173	123	2.62e-04	-4.48e-03	-0.19	1.87e-05	-1.88e-05	0.0
173	124	2.62e-04	-4.48e-03	-0.27	1.87e-05	-1.88e-05	0.0
174	2	0.0	0.0	-0.37	0.0	0.0	0.0
174	4	8.24e-05	-6.99e-03	-0.37	1.07e-05	-1.07e-05	0.0
174	7	8.24e-05	-6.99e-03	-0.20	1.07e-05	-1.07e-05	0.0
174	10	0.0	0.0	-0.30	0.0	0.0	0.0
174	22	0.15	-0.09	-0.27	6.46e-06	-6.89e-06	0.0
174	34	0.09	-0.16	-0.27	7.35e-06	-7.75e-06	0.0
174	40	-0.07	-0.12	-0.27	8.42e-06	-8.65e-06	0.0
174	54	0.07	-0.05	-0.27	6.81e-06	-7.00e-06	0.0
174	66	0.04	-0.08	-0.27	7.24e-06	-7.41e-06	0.0
174	72	-0.04	-0.06	-0.27	7.75e-06	-7.84e-06	0.0
174	86	0.15	-0.09	-0.27	6.46e-06	-6.89e-06	0.0
174	98	0.09	-0.16	-0.27	7.35e-06	-7.75e-06	0.0
174	110	0.0	0.0	-0.27	0.0	0.0	0.0
174	111	5.49e-05	-4.66e-03	-0.19	7.14e-06	-7.10e-06	0.0
174	112	5.49e-05	-4.66e-03	-0.27	7.14e-06	-7.10e-06	0.0
174	114	0.0	0.0	-0.27	0.0	0.0	0.0
174	115	5.49e-05	-4.66e-03	-0.19	7.14e-06	-7.10e-06	0.0
174	116	5.49e-05	-4.66e-03	-0.27	7.14e-06	-7.10e-06	0.0
174	118	0.0	0.0	-0.27	0.0	0.0	0.0
174	119	5.49e-05	-4.66e-03	-0.19	7.14e-06	-7.10e-06	0.0
174	120	5.49e-05	-4.66e-03	-0.27	7.14e-06	-7.10e-06	0.0
174	122	0.0	0.0	-0.27	0.0	0.0	0.0
174	123	5.49e-05	-4.66e-03	-0.19	7.14e-06	-7.10e-06	0.0
174	124	5.49e-05	-4.66e-03	-0.27	7.14e-06	-7.10e-06	0.0
175	2	0.0	0.0	-0.37	0.0	0.0	0.0
175	7	-8.85e-05	-7.12e-03	-0.20	1.27e-06	-1.10e-06	0.0
175	10	0.0	0.0	-0.30	0.0	0.0	0.0
175	23	-0.16	0.09	-0.27	1.08e-06	0.0	0.0
175	34	0.09	-0.16	-0.27	0.0	0.0	0.0
175	40	-0.08	-0.12	-0.27	2.41e-06	-2.45e-06	0.0
175	55	-0.08	0.04	-0.27	0.0	0.0	0.0
175	66	0.04	-0.08	-0.27	0.0	0.0	0.0
175	72	-0.04	-0.06	-0.27	1.59e-06	-1.55e-06	0.0
175	87	-0.16	0.09	-0.27	1.08e-06	0.0	0.0
175	98	0.09	-0.16	-0.27	0.0	0.0	0.0
175	110	0.0	0.0	-0.27	0.0	0.0	0.0
175	111	-5.90e-05	-4.74e-03	-0.19	0.0	0.0	0.0
175	114	0.0	0.0	-0.27	0.0	0.0	0.0
175	115	-5.90e-05	-4.74e-03	-0.19	0.0	0.0	0.0
175	118	0.0	0.0	-0.27	0.0	0.0	0.0
175	119	-5.90e-05	-4.74e-03	-0.19	0.0	0.0	0.0
175	122	0.0	0.0	-0.27	0.0	0.0	0.0
175	123	-5.90e-05	-4.74e-03	-0.19	0.0	0.0	0.0
176	2	0.0	0.0	-0.37	0.0	0.0	0.0
176	7	-1.69e-04	-7.16e-03	-0.20	-3.02e-06	3.27e-06	0.0
176	10	0.0	0.0	-0.30	0.0	0.0	0.0
176	21	0.13	-0.01	-0.27	-1.29e-06	1.44e-06	0.0
176	23	-0.16	0.09	-0.27	-2.39e-06	2.59e-06	0.0
176	34	0.10	-0.17	-0.27	-2.42e-06	2.56e-06	0.0
176	53	0.06	-9.48e-03	-0.27	-1.67e-06	1.82e-06	0.0
176	55	-0.08	0.04	-0.27	-2.19e-06	2.38e-06	0.0
176	66	0.05	-0.08	-0.27	-2.21e-06	2.36e-06	0.0
176	87	-0.16	0.09	-0.27	-2.39e-06	2.59e-06	0.0
176	98	0.10	-0.17	-0.27	-2.42e-06	2.56e-06	0.0
176	110	0.0	0.0	-0.27	0.0	0.0	0.0
176	111	-1.13e-04	-4.77e-03	-0.19	-2.01e-06	2.18e-06	0.0
176	114	0.0	0.0	-0.27	0.0	0.0	0.0

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176	115	-1.13e-04	-4.77e-03	-0.19	-2.01e-06	2.18e-06	0.0
176	118	0.0	0.0	-0.27	0.0	0.0	0.0
176	119	-1.13e-04	-4.77e-03	-0.19	-2.01e-06	2.18e-06	0.0
176	122	0.0	0.0	-0.27	0.0	0.0	0.0
176	123	-1.13e-04	-4.77e-03	-0.19	-2.01e-06	2.18e-06	0.0
177	2	0.0	0.0	-0.37	0.0	0.0	0.0
177	4	-1.98e-04	-7.16e-03	-0.37	-4.35e-06	4.67e-06	0.0
177	10	0.0	0.0	-0.30	0.0	0.0	0.0
177	17	0.12	0.08	-0.27	-5.62e-06	5.74e-06	0.0
177	23	-0.17	0.10	-0.27	-3.77e-06	3.90e-06	0.0
177	34	0.10	-0.17	-0.27	-3.69e-06	3.98e-06	0.0
177	49	0.06	0.04	-0.27	-4.20e-06	4.37e-06	0.0
177	55	-0.08	0.05	-0.27	-3.32e-06	3.49e-06	0.0
177	66	0.05	-0.09	-0.27	-3.28e-06	3.53e-06	0.0
177	87	-0.17	0.10	-0.27	-3.77e-06	3.90e-06	0.0
177	98	0.10	-0.17	-0.27	-3.69e-06	3.98e-06	0.0
177	110	0.0	0.0	-0.27	0.0	0.0	0.0
177	112	-1.32e-04	-4.77e-03	-0.27	-2.90e-06	3.11e-06	0.0
177	114	0.0	0.0	-0.27	0.0	0.0	0.0
177	116	-1.32e-04	-4.77e-03	-0.27	-2.90e-06	3.11e-06	0.0
177	118	0.0	0.0	-0.27	0.0	0.0	0.0
177	120	-1.32e-04	-4.77e-03	-0.27	-2.90e-06	3.11e-06	0.0
177	122	0.0	0.0	-0.27	0.0	0.0	0.0
177	124	-1.32e-04	-4.77e-03	-0.27	-2.90e-06	3.11e-06	0.0
178	2	0.0	0.0	-0.37	0.0	0.0	0.0
178	4	-2.03e-04	-7.13e-03	-0.37	-4.26e-06	4.64e-06	0.0
178	10	0.0	0.0	-0.30	0.0	0.0	0.0
178	17	0.12	0.09	-0.27	-6.37e-06	6.53e-06	0.0
178	23	-0.17	0.11	-0.27	-4.25e-06	4.29e-06	0.0
178	34	0.11	-0.18	-0.27	-4.03e-06	4.51e-06	0.0
178	49	0.06	0.04	-0.27	-4.52e-06	4.74e-06	0.0
178	55	-0.08	0.05	-0.27	-3.52e-06	3.67e-06	0.0
178	66	0.05	-0.09	-0.27	-3.41e-06	3.77e-06	0.0
178	87	-0.17	0.11	-0.27	-4.25e-06	4.29e-06	0.0
178	98	0.11	-0.18	-0.27	-4.03e-06	4.51e-06	0.0
178	110	0.0	0.0	-0.27	0.0	0.0	0.0
178	112	-1.36e-04	-4.76e-03	-0.27	-2.84e-06	3.09e-06	0.0
178	114	0.0	0.0	-0.27	0.0	0.0	0.0
178	116	-1.36e-04	-4.76e-03	-0.27	-2.84e-06	3.09e-06	0.0
178	118	0.0	0.0	-0.27	0.0	0.0	0.0
178	120	-1.36e-04	-4.76e-03	-0.27	-2.84e-06	3.09e-06	0.0
178	122	0.0	0.0	-0.27	0.0	0.0	0.0
178	124	-1.36e-04	-4.76e-03	-0.27	-2.84e-06	3.09e-06	0.0
179	2	0.0	0.0	-0.37	0.0	0.0	0.0
179	4	-2.01e-04	-7.11e-03	-0.37	-3.71e-06	4.17e-06	0.0
179	10	0.0	0.0	-0.30	0.0	0.0	0.0
179	23	-0.18	0.11	-0.27	-4.44e-06	4.35e-06	0.0
179	34	0.12	-0.18	-0.27	-4.04e-06	4.75e-06	0.0
179	37	0.10	0.12	-0.27	-6.79e-06	7.22e-06	0.0
179	55	-0.09	0.05	-0.27	-3.42e-06	3.53e-06	0.0
179	66	0.06	-0.09	-0.27	-3.22e-06	3.73e-06	0.0
179	69	0.05	0.05	-0.27	-4.54e-06	4.90e-06	0.0
179	87	-0.18	0.11	-0.27	-4.44e-06	4.35e-06	0.0
179	98	0.12	-0.18	-0.27	-4.04e-06	4.75e-06	0.0
179	110	0.0	0.0	-0.27	0.0	0.0	0.0
179	112	-1.34e-04	-4.74e-03	-0.27	-2.47e-06	2.78e-06	0.0
179	114	0.0	0.0	-0.27	0.0	0.0	0.0
179	116	-1.34e-04	-4.74e-03	-0.27	-2.47e-06	2.78e-06	0.0
179	118	0.0	0.0	-0.27	0.0	0.0	0.0
179	120	-1.34e-04	-4.74e-03	-0.27	-2.47e-06	2.78e-06	0.0
179	122	0.0	0.0	-0.27	0.0	0.0	0.0
179	124	-1.34e-04	-4.74e-03	-0.27	-2.47e-06	2.78e-06	0.0
180	2	0.0	0.0	-0.37	0.0	0.0	0.0
180	4	-2.01e-04	-7.08e-03	-0.37	-3.22e-06	3.78e-06	0.0
180	10	0.0	0.0	-0.30	0.0	0.0	0.0

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180	23	-0.18	0.12	-0.27	-4.63e-06	4.37e-06	0.0
180	34	0.12	-0.19	-0.27	-4.00e-06	5.00e-06	0.0
180	37	0.10	0.12	-0.28	-7.23e-06	7.74e-06	0.0
180	55	-0.09	0.05	-0.27	-3.34e-06	3.41e-06	0.0
180	66	0.06	-0.09	-0.27	-3.04e-06	3.71e-06	0.0
180	69	0.05	0.06	-0.27	-4.58e-06	5.02e-06	0.0
180	87	-0.18	0.12	-0.27	-4.63e-06	4.37e-06	0.0
180	98	0.12	-0.19	-0.27	-4.00e-06	5.00e-06	0.0
180	110	0.0	0.0	-0.27	0.0	0.0	0.0
180	112	-1.34e-04	-4.72e-03	-0.27	-2.15e-06	2.52e-06	0.0
180	114	0.0	0.0	-0.27	0.0	0.0	0.0
180	116	-1.34e-04	-4.72e-03	-0.27	-2.15e-06	2.52e-06	0.0
180	118	0.0	0.0	-0.27	0.0	0.0	0.0
180	120	-1.34e-04	-4.72e-03	-0.27	-2.15e-06	2.52e-06	0.0
180	122	0.0	0.0	-0.27	0.0	0.0	0.0
180	124	-1.34e-04	-4.72e-03	-0.27	-2.15e-06	2.52e-06	0.0
181	4	-2.04e-04	-7.06e-03	-0.37	-2.94e-06	3.59e-06	0.0
181	12	-1.77e-04	-6.12e-03	-0.30	-2.55e-06	3.11e-06	0.0
181	23	-0.19	0.12	-0.27	-4.73e-06	4.32e-06	0.0
181	34	0.13	-0.19	-0.27	-3.89e-06	5.16e-06	0.0
181	37	0.11	0.12	-0.28	-7.38e-06	7.98e-06	0.0
181	55	-0.09	0.06	-0.27	-3.29e-06	3.32e-06	0.0
181	66	0.06	-0.10	-0.27	-2.89e-06	3.72e-06	0.0
181	69	0.05	0.06	-0.27	-4.55e-06	5.06e-06	0.0
181	87	-0.19	0.12	-0.27	-4.73e-06	4.32e-06	0.0
181	98	0.13	-0.19	-0.27	-3.89e-06	5.16e-06	0.0
181	112	-1.36e-04	-4.71e-03	-0.27	-1.96e-06	2.39e-06	0.0
181	116	-1.36e-04	-4.71e-03	-0.27	-1.96e-06	2.39e-06	0.0
181	120	-1.36e-04	-4.71e-03	-0.27	-1.96e-06	2.39e-06	0.0
181	124	-1.36e-04	-4.71e-03	-0.27	-1.96e-06	2.39e-06	0.0
182	4	1.05e-03	-5.86e-03	-0.39	8.32e-05	-6.55e-05	0.0
182	7	1.05e-03	-5.86e-03	-0.21	8.32e-05	-6.55e-05	0.0
182	12	9.13e-04	-5.08e-03	-0.31	7.21e-05	-5.68e-05	0.0
182	22	0.14	-0.07	-0.28	5.37e-05	-4.39e-05	0.0
182	34	0.07	-0.14	-0.28	5.62e-05	-4.57e-05	0.0
182	40	-0.06	-0.12	-0.28	5.72e-05	-4.56e-05	0.0
182	54	0.07	-0.04	-0.28	5.46e-05	-4.38e-05	0.0
182	66	0.04	-0.07	-0.28	5.58e-05	-4.46e-05	0.0
182	72	-0.03	-0.06	-0.28	5.63e-05	-4.46e-05	0.0
182	86	0.14	-0.07	-0.28	5.37e-05	-4.39e-05	0.0
182	98	0.07	-0.14	-0.28	5.62e-05	-4.57e-05	0.0
182	111	7.02e-04	-3.91e-03	-0.20	5.55e-05	-4.37e-05	0.0
182	112	7.02e-04	-3.91e-03	-0.28	5.55e-05	-4.37e-05	0.0
182	115	7.02e-04	-3.91e-03	-0.20	5.55e-05	-4.37e-05	0.0
182	116	7.02e-04	-3.91e-03	-0.28	5.55e-05	-4.37e-05	0.0
182	119	7.02e-04	-3.91e-03	-0.20	5.55e-05	-4.37e-05	0.0
182	120	7.02e-04	-3.91e-03	-0.28	5.55e-05	-4.37e-05	0.0
182	123	7.02e-04	-3.91e-03	-0.20	5.55e-05	-4.37e-05	0.0
182	124	7.02e-04	-3.91e-03	-0.28	5.55e-05	-4.37e-05	0.0
183	4	4.89e-04	-6.50e-03	-0.38	4.33e-05	-3.34e-05	0.0
183	7	4.89e-04	-6.50e-03	-0.20	4.33e-05	-3.34e-05	0.0
183	12	4.23e-04	-5.64e-03	-0.30	3.75e-05	-2.89e-05	0.0
183	22	0.15	-0.07	-0.27	2.77e-05	-2.22e-05	0.0
183	34	0.08	-0.14	-0.28	2.96e-05	-2.37e-05	0.0
183	40	-0.07	-0.12	-0.28	3.04e-05	-2.37e-05	0.0
183	54	0.07	-0.04	-0.27	2.83e-05	-2.22e-05	0.0
183	66	0.04	-0.07	-0.27	2.92e-05	-2.29e-05	0.0
183	72	-0.03	-0.06	-0.28	2.96e-05	-2.29e-05	0.0
183	86	0.15	-0.07	-0.27	2.77e-05	-2.22e-05	0.0
183	98	0.08	-0.14	-0.28	2.96e-05	-2.37e-05	0.0
183	111	3.26e-04	-4.34e-03	-0.19	2.88e-05	-2.22e-05	0.0
183	112	3.26e-04	-4.34e-03	-0.27	2.88e-05	-2.22e-05	0.0
183	115	3.26e-04	-4.34e-03	-0.19	2.88e-05	-2.22e-05	0.0
183	116	3.26e-04	-4.34e-03	-0.27	2.88e-05	-2.22e-05	0.0
183	119	3.26e-04	-4.34e-03	-0.19	2.88e-05	-2.22e-05	0.0

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183	120	3.26e-04	-4.34e-03	-0.27	2.88e-05	-2.22e-05	0.0
183	123	3.26e-04	-4.34e-03	-0.19	2.88e-05	-2.22e-05	0.0
183	124	3.26e-04	-4.34e-03	-0.27	2.88e-05	-2.22e-05	0.0
184	2	0.0	0.0	-0.37	0.0	0.0	0.0
184	4	1.41e-04	-6.90e-03	-0.37	1.81e-05	-1.37e-05	0.0
184	7	1.41e-04	-6.90e-03	-0.20	1.81e-05	-1.37e-05	0.0
184	10	0.0	0.0	-0.30	0.0	0.0	0.0
184	22	0.16	-0.08	-0.27	1.14e-05	-9.03e-06	0.0
184	34	0.09	-0.15	-0.27	1.26e-05	-1.00e-05	0.0
184	40	-0.08	-0.12	-0.27	1.36e-05	-1.04e-05	0.0
184	54	0.07	-0.04	-0.27	1.17e-05	-9.07e-06	0.0
184	66	0.04	-0.07	-0.27	1.23e-05	-9.54e-06	0.0
184	72	-0.04	-0.06	-0.27	1.28e-05	-9.72e-06	0.0
184	86	0.16	-0.08	-0.27	1.14e-05	-9.03e-06	0.0
184	98	0.09	-0.15	-0.27	1.26e-05	-1.00e-05	0.0
184	110	0.0	0.0	-0.27	0.0	0.0	0.0
184	111	9.41e-05	-4.60e-03	-0.19	1.21e-05	-9.11e-06	0.0
184	112	9.41e-05	-4.60e-03	-0.27	1.21e-05	-9.11e-06	0.0
184	114	0.0	0.0	-0.27	0.0	0.0	0.0
184	115	9.41e-05	-4.60e-03	-0.19	1.21e-05	-9.11e-06	0.0
184	116	9.41e-05	-4.60e-03	-0.27	1.21e-05	-9.11e-06	0.0
184	118	0.0	0.0	-0.27	0.0	0.0	0.0
184	119	9.41e-05	-4.60e-03	-0.19	1.21e-05	-9.11e-06	0.0
184	120	9.41e-05	-4.60e-03	-0.27	1.21e-05	-9.11e-06	0.0
184	122	0.0	0.0	-0.27	0.0	0.0	0.0
184	123	9.41e-05	-4.60e-03	-0.19	1.21e-05	-9.11e-06	0.0
184	124	9.41e-05	-4.60e-03	-0.27	1.21e-05	-9.11e-06	0.0
185	2	0.0	0.0	-0.37	0.0	0.0	0.0
185	7	-5.06e-05	-7.11e-03	-0.20	4.07e-06	-2.90e-06	0.0
185	10	0.0	0.0	-0.30	0.0	0.0	0.0
185	23	-0.16	0.08	-0.27	2.99e-06	-2.02e-06	0.0
185	34	0.10	-0.15	-0.27	2.88e-06	-2.33e-06	0.0
185	40	-0.08	-0.12	-0.27	4.43e-06	-3.30e-06	0.0
185	55	-0.08	0.03	-0.27	2.85e-06	-1.98e-06	0.0
185	66	0.05	-0.08	-0.27	2.79e-06	-2.12e-06	0.0
185	72	-0.04	-0.06	-0.27	3.53e-06	-2.59e-06	0.0
185	87	-0.16	0.08	-0.27	2.99e-06	-2.02e-06	0.0
185	98	0.10	-0.15	-0.27	2.88e-06	-2.33e-06	0.0
185	110	0.0	0.0	-0.27	0.0	0.0	0.0
185	111	-3.37e-05	-4.74e-03	-0.19	2.71e-06	-1.93e-06	0.0
185	114	0.0	0.0	-0.27	0.0	0.0	0.0
185	115	-3.37e-05	-4.74e-03	-0.19	2.71e-06	-1.93e-06	0.0
185	118	0.0	0.0	-0.27	0.0	0.0	0.0
185	119	-3.37e-05	-4.74e-03	-0.19	2.71e-06	-1.93e-06	0.0
185	122	0.0	0.0	-0.27	0.0	0.0	0.0
185	123	-3.37e-05	-4.74e-03	-0.19	2.71e-06	-1.93e-06	0.0
186	2	0.0	0.0	-0.37	0.0	0.0	0.0
186	4	-1.42e-04	-7.19e-03	-0.37	-2.55e-06	2.11e-06	0.0
186	7	-1.42e-04	-7.19e-03	-0.20	-2.55e-06	2.11e-06	0.0
186	10	0.0	0.0	-0.30	0.0	0.0	0.0
186	23	-0.17	0.08	-0.27	-2.11e-06	1.79e-06	0.0
186	33	-0.01	0.12	-0.27	-1.20e-06	1.00e-06	0.0
186	34	0.10	-0.16	-0.27	-1.89e-06	1.53e-06	0.0
186	55	-0.08	0.04	-0.27	-1.90e-06	1.59e-06	0.0
186	65	-6.94e-03	0.06	-0.27	-1.46e-06	1.21e-06	0.0
186	66	0.05	-0.08	-0.27	-1.79e-06	1.47e-06	0.0
186	87	-0.17	0.08	-0.27	-2.11e-06	1.79e-06	0.0
186	98	0.10	-0.16	-0.27	-1.89e-06	1.53e-06	0.0
186	110	0.0	0.0	-0.27	0.0	0.0	0.0
186	111	-9.49e-05	-4.79e-03	-0.19	-1.70e-06	1.41e-06	0.0
186	112	-9.49e-05	-4.79e-03	-0.27	-1.70e-06	1.41e-06	0.0
186	114	0.0	0.0	-0.27	0.0	0.0	0.0
186	115	-9.49e-05	-4.79e-03	-0.19	-1.70e-06	1.41e-06	0.0
186	116	-9.49e-05	-4.79e-03	-0.27	-1.70e-06	1.41e-06	0.0
186	118	0.0	0.0	-0.27	0.0	0.0	0.0

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186	119	-9.49e-05	-4.79e-03	-0.19	-1.70e-06	1.41e-06	0.0
186	120	-9.49e-05	-4.79e-03	-0.27	-1.70e-06	1.41e-06	0.0
186	122	0.0	0.0	-0.27	0.0	0.0	0.0
186	123	-9.49e-05	-4.79e-03	-0.19	-1.70e-06	1.41e-06	0.0
186	124	-9.49e-05	-4.79e-03	-0.27	-1.70e-06	1.41e-06	0.0
187	2	0.0	0.0	-0.37	0.0	0.0	0.0
187	4	-1.77e-04	-7.20e-03	-0.37	-4.82e-06	3.82e-06	0.0
187	7	-1.77e-04	-7.20e-03	-0.20	-4.82e-06	3.82e-06	0.0
187	10	0.0	0.0	-0.30	0.0	0.0	0.0
187	17	0.12	0.07	-0.27	-5.90e-06	4.68e-06	0.0
187	23	-0.17	0.09	-0.27	-4.11e-06	3.25e-06	0.0
187	34	0.11	-0.16	-0.27	-3.84e-06	3.11e-06	0.0
187	49	0.06	0.03	-0.27	-4.50e-06	3.56e-06	0.0
187	55	-0.08	0.04	-0.27	-3.64e-06	2.88e-06	0.0
187	66	0.05	-0.08	-0.27	-3.51e-06	2.82e-06	0.0
187	87	-0.17	0.09	-0.27	-4.11e-06	3.25e-06	0.0
187	98	0.11	-0.16	-0.27	-3.84e-06	3.11e-06	0.0
187	110	0.0	0.0	-0.27	0.0	0.0	0.0
187	111	-1.18e-04	-4.80e-03	-0.19	-3.21e-06	2.55e-06	0.0
187	112	-1.18e-04	-4.80e-03	-0.27	-3.21e-06	2.55e-06	0.0
187	114	0.0	0.0	-0.27	0.0	0.0	0.0
187	115	-1.18e-04	-4.80e-03	-0.19	-3.21e-06	2.55e-06	0.0
187	116	-1.18e-04	-4.80e-03	-0.27	-3.21e-06	2.55e-06	0.0
187	118	0.0	0.0	-0.27	0.0	0.0	0.0
187	119	-1.18e-04	-4.80e-03	-0.19	-3.21e-06	2.55e-06	0.0
187	120	-1.18e-04	-4.80e-03	-0.27	-3.21e-06	2.55e-06	0.0
187	122	0.0	0.0	-0.27	0.0	0.0	0.0
187	123	-1.18e-04	-4.80e-03	-0.19	-3.21e-06	2.55e-06	0.0
187	124	-1.18e-04	-4.80e-03	-0.27	-3.21e-06	2.55e-06	0.0
188	2	0.0	0.0	-0.37	0.0	0.0	0.0
188	4	-1.84e-04	-7.18e-03	-0.37	-4.94e-06	3.93e-06	0.0
188	7	-1.84e-04	-7.18e-03	-0.20	-4.94e-06	3.93e-06	0.0
188	10	0.0	0.0	-0.30	0.0	0.0	0.0
188	17	0.12	0.08	-0.27	-6.80e-06	5.55e-06	0.0
188	23	-0.18	0.09	-0.27	-4.77e-06	3.72e-06	0.0
188	34	0.12	-0.17	-0.27	-4.34e-06	3.69e-06	0.0
188	49	0.06	0.03	-0.27	-4.97e-06	4.02e-06	0.0
188	55	-0.09	0.04	-0.27	-4.00e-06	3.15e-06	0.0
188	66	0.06	-0.08	-0.27	-3.79e-06	3.13e-06	0.0
188	87	-0.18	0.09	-0.27	-4.77e-06	3.72e-06	0.0
188	98	0.12	-0.17	-0.27	-4.34e-06	3.69e-06	0.0
188	110	0.0	0.0	-0.27	0.0	0.0	0.0
188	111	-1.23e-04	-4.79e-03	-0.19	-3.29e-06	2.62e-06	0.0
188	112	-1.23e-04	-4.79e-03	-0.27	-3.29e-06	2.62e-06	0.0
188	114	0.0	0.0	-0.27	0.0	0.0	0.0
188	115	-1.23e-04	-4.79e-03	-0.19	-3.29e-06	2.62e-06	0.0
188	116	-1.23e-04	-4.79e-03	-0.27	-3.29e-06	2.62e-06	0.0
188	118	0.0	0.0	-0.27	0.0	0.0	0.0
188	119	-1.23e-04	-4.79e-03	-0.19	-3.29e-06	2.62e-06	0.0
188	120	-1.23e-04	-4.79e-03	-0.27	-3.29e-06	2.62e-06	0.0
188	122	0.0	0.0	-0.27	0.0	0.0	0.0
188	123	-1.23e-04	-4.79e-03	-0.19	-3.29e-06	2.62e-06	0.0
188	124	-1.23e-04	-4.79e-03	-0.27	-3.29e-06	2.62e-06	0.0
189	2	0.0	0.0	-0.37	0.0	0.0	0.0
189	4	-1.82e-04	-7.16e-03	-0.37	-4.32e-06	3.51e-06	0.0
189	7	-1.82e-04	-7.16e-03	-0.20	-4.32e-06	3.51e-06	0.0
189	10	0.0	0.0	-0.30	0.0	0.0	0.0
189	17	0.13	0.08	-0.27	-7.31e-06	6.17e-06	0.0
189	23	-0.19	0.10	-0.27	-4.96e-06	3.86e-06	0.0
189	34	0.13	-0.17	-0.27	-4.30e-06	3.93e-06	0.0
189	49	0.06	0.04	-0.27	-4.99e-06	4.17e-06	0.0
189	55	-0.09	0.04	-0.27	-3.88e-06	3.07e-06	0.0
189	66	0.06	-0.08	-0.27	-3.56e-06	3.10e-06	0.0
189	87	-0.19	0.10	-0.27	-4.96e-06	3.86e-06	0.0
189	98	0.13	-0.17	-0.27	-4.30e-06	3.93e-06	0.0

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189	110	0.0	0.0	-0.27	0.0	0.0	0.0
189	111	-1.21e-04	-4.77e-03	-0.19	-2.88e-06	2.34e-06	0.0
189	112	-1.21e-04	-4.77e-03	-0.27	-2.88e-06	2.34e-06	0.0
189	114	0.0	0.0	-0.27	0.0	0.0	0.0
189	115	-1.21e-04	-4.77e-03	-0.19	-2.88e-06	2.34e-06	0.0
189	116	-1.21e-04	-4.77e-03	-0.27	-2.88e-06	2.34e-06	0.0
189	118	0.0	0.0	-0.27	0.0	0.0	0.0
189	119	-1.21e-04	-4.77e-03	-0.19	-2.88e-06	2.34e-06	0.0
189	120	-1.21e-04	-4.77e-03	-0.27	-2.88e-06	2.34e-06	0.0
189	122	0.0	0.0	-0.27	0.0	0.0	0.0
189	123	-1.21e-04	-4.77e-03	-0.19	-2.88e-06	2.34e-06	0.0
189	124	-1.21e-04	-4.77e-03	-0.27	-2.88e-06	2.34e-06	0.0
190	2	0.0	0.0	-0.37	0.0	0.0	0.0
190	4	-1.82e-04	-7.13e-03	-0.37	-3.73e-06	3.13e-06	0.0
190	7	-1.82e-04	-7.13e-03	-0.20	-3.73e-06	3.13e-06	0.0
190	10	0.0	0.0	-0.30	0.0	0.0	0.0
190	17	0.13	0.09	-0.27	-7.71e-06	6.76e-06	0.0
190	23	-0.20	0.10	-0.27	-5.10e-06	3.97e-06	0.0
190	34	0.14	-0.18	-0.27	-4.16e-06	4.18e-06	0.0
190	49	0.06	0.04	-0.27	-4.98e-06	4.32e-06	0.0
190	55	-0.09	0.05	-0.27	-3.74e-06	2.99e-06	0.0
190	66	0.06	-0.09	-0.27	-3.28e-06	3.09e-06	0.0
190	87	-0.20	0.10	-0.27	-5.10e-06	3.97e-06	0.0
190	98	0.14	-0.18	-0.27	-4.16e-06	4.18e-06	0.0
190	110	0.0	0.0	-0.27	0.0	0.0	0.0
190	111	-1.21e-04	-4.75e-03	-0.19	-2.48e-06	2.09e-06	0.0
190	112	-1.21e-04	-4.75e-03	-0.27	-2.48e-06	2.09e-06	0.0
190	114	0.0	0.0	-0.27	0.0	0.0	0.0
190	115	-1.21e-04	-4.75e-03	-0.19	-2.48e-06	2.09e-06	0.0
190	116	-1.21e-04	-4.75e-03	-0.27	-2.48e-06	2.09e-06	0.0
190	118	0.0	0.0	-0.27	0.0	0.0	0.0
190	119	-1.21e-04	-4.75e-03	-0.19	-2.48e-06	2.09e-06	0.0
190	120	-1.21e-04	-4.75e-03	-0.27	-2.48e-06	2.09e-06	0.0
190	122	0.0	0.0	-0.27	0.0	0.0	0.0
190	123	-1.21e-04	-4.75e-03	-0.19	-2.48e-06	2.09e-06	0.0
190	124	-1.21e-04	-4.75e-03	-0.27	-2.48e-06	2.09e-06	0.0
191	4	-1.86e-04	-7.12e-03	-0.37	-3.40e-06	2.95e-06	0.0
191	7	-1.86e-04	-7.12e-03	-0.20	-3.40e-06	2.95e-06	0.0
191	12	-1.61e-04	-6.17e-03	-0.30	-2.95e-06	2.56e-06	0.0
191	17	0.14	0.09	-0.28	-7.78e-06	7.10e-06	0.0
191	23	-0.20	0.11	-0.27	-5.12e-06	4.00e-06	0.0
191	34	0.14	-0.18	-0.27	-3.99e-06	4.40e-06	0.0
191	49	0.06	0.04	-0.27	-4.90e-06	4.42e-06	0.0
191	55	-0.10	0.05	-0.27	-3.64e-06	2.94e-06	0.0
191	66	0.07	-0.09	-0.27	-3.09e-06	3.14e-06	0.0
191	87	-0.20	0.11	-0.27	-5.12e-06	4.00e-06	0.0
191	98	0.14	-0.18	-0.27	-3.99e-06	4.40e-06	0.0
191	111	-1.24e-04	-4.74e-03	-0.19	-2.27e-06	1.97e-06	0.0
191	112	-1.24e-04	-4.74e-03	-0.27	-2.27e-06	1.97e-06	0.0
191	115	-1.24e-04	-4.74e-03	-0.19	-2.27e-06	1.97e-06	0.0
191	116	-1.24e-04	-4.74e-03	-0.27	-2.27e-06	1.97e-06	0.0
191	119	-1.24e-04	-4.74e-03	-0.19	-2.27e-06	1.97e-06	0.0
191	120	-1.24e-04	-4.74e-03	-0.27	-2.27e-06	1.97e-06	0.0
191	123	-1.24e-04	-4.74e-03	-0.19	-2.27e-06	1.97e-06	0.0
191	124	-1.24e-04	-4.74e-03	-0.27	-2.27e-06	1.97e-06	0.0
192	4	1.07e-03	-5.37e-03	-0.39	1.14e-04	-6.59e-05	0.0
192	7	1.07e-03	-5.37e-03	-0.22	1.14e-04	-6.59e-05	0.0
192	12	9.30e-04	-4.65e-03	-0.32	9.87e-05	-5.72e-05	0.0
192	22	0.14	-0.06	-0.28	7.44e-05	-4.50e-05	0.0
192	34	0.08	-0.13	-0.29	7.73e-05	-4.63e-05	0.0
192	40	-0.07	-0.12	-0.29	7.83e-05	-4.54e-05	0.0
192	54	0.07	-0.03	-0.28	7.52e-05	-4.45e-05	0.0
192	66	0.04	-0.07	-0.29	7.66e-05	-4.51e-05	0.0
192	72	-0.03	-0.06	-0.29	7.71e-05	-4.47e-05	0.0
192	86	0.14	-0.06	-0.28	7.44e-05	-4.50e-05	0.0

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192	98	0.08	-0.13	-0.29	7.73e-05	-4.63e-05	0.0
192	111	7.16e-04	-3.58e-03	-0.20	7.59e-05	-4.40e-05	0.0
192	112	7.16e-04	-3.58e-03	-0.28	7.59e-05	-4.40e-05	0.0
192	115	7.16e-04	-3.58e-03	-0.20	7.59e-05	-4.40e-05	0.0
192	116	7.16e-04	-3.58e-03	-0.28	7.59e-05	-4.40e-05	0.0
192	119	7.16e-04	-3.58e-03	-0.20	7.59e-05	-4.40e-05	0.0
192	120	7.16e-04	-3.58e-03	-0.28	7.59e-05	-4.40e-05	0.0
192	123	7.16e-04	-3.58e-03	-0.20	7.59e-05	-4.40e-05	0.0
192	124	7.16e-04	-3.58e-03	-0.28	7.59e-05	-4.40e-05	0.0
193	4	5.15e-04	-6.24e-03	-0.38	6.09e-05	-3.41e-05	0.0
193	7	5.15e-04	-6.24e-03	-0.21	6.09e-05	-3.41e-05	0.0
193	12	4.46e-04	-5.40e-03	-0.31	5.28e-05	-2.96e-05	0.0
193	22	0.15	-0.07	-0.28	3.96e-05	-2.30e-05	0.0
193	34	0.08	-0.14	-0.28	4.19e-05	-2.43e-05	0.0
193	40	-0.07	-0.12	-0.28	4.27e-05	-2.38e-05	0.0
193	54	0.07	-0.03	-0.28	4.01e-05	-2.29e-05	0.0
193	66	0.04	-0.07	-0.28	4.12e-05	-2.35e-05	0.0
193	72	-0.03	-0.06	-0.28	4.16e-05	-2.33e-05	0.0
193	86	0.15	-0.07	-0.28	3.96e-05	-2.30e-05	0.0
193	98	0.08	-0.14	-0.28	4.19e-05	-2.43e-05	0.0
193	111	3.43e-04	-4.16e-03	-0.20	4.06e-05	-2.27e-05	0.0
193	112	3.43e-04	-4.16e-03	-0.28	4.06e-05	-2.27e-05	0.0
193	115	3.43e-04	-4.16e-03	-0.20	4.06e-05	-2.27e-05	0.0
193	116	3.43e-04	-4.16e-03	-0.28	4.06e-05	-2.27e-05	0.0
193	119	3.43e-04	-4.16e-03	-0.20	4.06e-05	-2.27e-05	0.0
193	120	3.43e-04	-4.16e-03	-0.28	4.06e-05	-2.27e-05	0.0
193	123	3.43e-04	-4.16e-03	-0.20	4.06e-05	-2.27e-05	0.0
193	124	3.43e-04	-4.16e-03	-0.28	4.06e-05	-2.27e-05	0.0
194	2	0.0	0.0	-0.37	0.0	0.0	0.0
194	4	1.72e-04	-6.78e-03	-0.37	2.68e-05	-1.46e-05	0.0
194	7	1.72e-04	-6.78e-03	-0.20	2.68e-05	-1.46e-05	0.0
194	10	0.0	0.0	-0.30	0.0	0.0	0.0
194	22	0.16	-0.07	-0.27	1.73e-05	-9.84e-06	0.0
194	34	0.09	-0.14	-0.27	1.88e-05	-1.08e-05	0.0
194	40	-0.08	-0.12	-0.27	1.97e-05	-1.06e-05	0.0
194	54	0.08	-0.04	-0.27	1.76e-05	-9.79e-06	0.0
194	66	0.04	-0.07	-0.27	1.83e-05	-1.02e-05	0.0
194	72	-0.04	-0.06	-0.27	1.88e-05	-1.02e-05	0.0
194	86	0.16	-0.07	-0.27	1.73e-05	-9.84e-06	0.0
194	98	0.09	-0.14	-0.27	1.88e-05	-1.08e-05	0.0
194	110	0.0	0.0	-0.27	0.0	0.0	0.0
194	111	1.15e-04	-4.52e-03	-0.19	1.79e-05	-9.74e-06	0.0
194	112	1.15e-04	-4.52e-03	-0.27	1.79e-05	-9.74e-06	0.0
194	114	0.0	0.0	-0.27	0.0	0.0	0.0
194	115	1.15e-04	-4.52e-03	-0.19	1.79e-05	-9.74e-06	0.0
194	116	1.15e-04	-4.52e-03	-0.27	1.79e-05	-9.74e-06	0.0
194	118	0.0	0.0	-0.27	0.0	0.0	0.0
194	119	1.15e-04	-4.52e-03	-0.19	1.79e-05	-9.74e-06	0.0
194	120	1.15e-04	-4.52e-03	-0.27	1.79e-05	-9.74e-06	0.0
194	122	0.0	0.0	-0.27	0.0	0.0	0.0
194	123	1.15e-04	-4.52e-03	-0.19	1.79e-05	-9.74e-06	0.0
194	124	1.15e-04	-4.52e-03	-0.27	1.79e-05	-9.74e-06	0.0
195	2	0.0	0.0	-0.37	0.0	0.0	0.0
195	7	-1.77e-05	-7.08e-03	-0.20	7.55e-06	-3.93e-06	0.0
195	10	0.0	0.0	-0.30	0.0	0.0	0.0
195	23	-0.17	0.06	-0.27	5.24e-06	-2.66e-06	0.0
195	34	0.10	-0.14	-0.27	5.51e-06	-3.16e-06	0.0
195	40	-0.09	-0.12	-0.27	6.86e-06	-3.56e-06	0.0
195	55	-0.08	0.03	-0.27	5.13e-06	-2.64e-06	0.0
195	66	0.05	-0.07	-0.27	5.26e-06	-2.88e-06	0.0
195	72	-0.04	-0.06	-0.27	5.90e-06	-3.07e-06	0.0
195	87	-0.17	0.06	-0.27	5.24e-06	-2.66e-06	0.0
195	98	0.10	-0.14	-0.27	5.51e-06	-3.16e-06	0.0
195	110	0.0	0.0	-0.27	0.0	0.0	0.0
195	111	-1.18e-05	-4.72e-03	-0.19	5.03e-06	-2.62e-06	0.0

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195	114	0.0	0.0	-0.27	0.0	0.0	0.0
195	115	-1.18e-05	-4.72e-03	-0.19	5.03e-06	-2.62e-06	0.0
195	118	0.0	0.0	-0.27	0.0	0.0	0.0
195	119	-1.18e-05	-4.72e-03	-0.19	5.03e-06	-2.62e-06	0.0
195	122	0.0	0.0	-0.27	0.0	0.0	0.0
195	123	-1.18e-05	-4.72e-03	-0.19	5.03e-06	-2.62e-06	0.0
196	2	0.0	0.0	-0.37	0.0	0.0	0.0
196	7	-1.09e-04	-7.21e-03	-0.20	-1.75e-06	1.09e-06	0.0
196	10	0.0	0.0	-0.30	0.0	0.0	0.0
196	23	-0.17	0.07	-0.27	-1.57e-06	1.13e-06	0.0
196	33	-0.02	0.12	-0.27	0.0	0.0	0.0
196	34	0.11	-0.15	-0.27	-1.15e-06	0.0	0.0
196	55	-0.08	0.03	-0.27	-1.36e-06	0.0	0.0
196	65	-8.62e-03	0.05	-0.27	-1.05e-06	0.0	0.0
196	66	0.05	-0.07	-0.27	-1.16e-06	0.0	0.0
196	87	-0.17	0.07	-0.27	-1.57e-06	1.13e-06	0.0
196	98	0.11	-0.15	-0.27	-1.15e-06	0.0	0.0
196	110	0.0	0.0	-0.27	0.0	0.0	0.0
196	111	-7.25e-05	-4.81e-03	-0.19	-1.17e-06	0.0	0.0
196	114	0.0	0.0	-0.27	0.0	0.0	0.0
196	115	-7.25e-05	-4.81e-03	-0.19	-1.17e-06	0.0	0.0
196	118	0.0	0.0	-0.27	0.0	0.0	0.0
196	119	-7.25e-05	-4.81e-03	-0.19	-1.17e-06	0.0	0.0
196	122	0.0	0.0	-0.27	0.0	0.0	0.0
196	123	-7.25e-05	-4.81e-03	-0.19	-1.17e-06	0.0	0.0
197	2	0.0	0.0	-0.37	0.0	0.0	0.0
197	4	-1.44e-04	-7.24e-03	-0.37	-5.12e-06	2.87e-06	0.0
197	7	-1.44e-04	-7.24e-03	-0.20	-5.12e-06	2.87e-06	0.0
197	10	0.0	0.0	-0.30	0.0	0.0	0.0
197	17	0.12	0.06	-0.27	-5.82e-06	3.48e-06	0.0
197	23	-0.18	0.07	-0.27	-4.24e-06	2.50e-06	0.0
197	34	0.12	-0.15	-0.27	-3.84e-06	2.20e-06	0.0
197	49	0.06	0.03	-0.27	-4.56e-06	2.66e-06	0.0
197	55	-0.09	0.03	-0.27	-3.81e-06	2.19e-06	0.0
197	66	0.06	-0.07	-0.27	-3.62e-06	2.05e-06	0.0
197	87	-0.18	0.07	-0.27	-4.24e-06	2.50e-06	0.0
197	98	0.12	-0.15	-0.27	-3.84e-06	2.20e-06	0.0
197	110	0.0	0.0	-0.27	0.0	0.0	0.0
197	111	-9.57e-05	-4.83e-03	-0.19	-3.41e-06	1.91e-06	0.0
197	112	-9.57e-05	-4.83e-03	-0.27	-3.41e-06	1.91e-06	0.0
197	114	0.0	0.0	-0.27	0.0	0.0	0.0
197	115	-9.57e-05	-4.83e-03	-0.19	-3.41e-06	1.91e-06	0.0
197	116	-9.57e-05	-4.83e-03	-0.27	-3.41e-06	1.91e-06	0.0
197	118	0.0	0.0	-0.27	0.0	0.0	0.0
197	119	-9.57e-05	-4.83e-03	-0.19	-3.41e-06	1.91e-06	0.0
197	120	-9.57e-05	-4.83e-03	-0.27	-3.41e-06	1.91e-06	0.0
197	122	0.0	0.0	-0.27	0.0	0.0	0.0
197	123	-9.57e-05	-4.83e-03	-0.19	-3.41e-06	1.91e-06	0.0
197	124	-9.57e-05	-4.83e-03	-0.27	-3.41e-06	1.91e-06	0.0
198	2	0.0	0.0	-0.37	0.0	0.0	0.0
198	4	-1.51e-04	-7.23e-03	-0.37	-5.51e-06	3.08e-06	0.0
198	7	-1.51e-04	-7.23e-03	-0.20	-5.51e-06	3.08e-06	0.0
198	10	0.0	0.0	-0.30	0.0	0.0	0.0
198	17	0.13	0.07	-0.27	-6.81e-06	4.37e-06	0.0
198	23	-0.19	0.08	-0.27	-5.02e-06	2.99e-06	0.0
198	34	0.13	-0.15	-0.27	-4.53e-06	2.78e-06	0.0
198	49	0.06	0.03	-0.27	-5.17e-06	3.16e-06	0.0
198	55	-0.09	0.03	-0.27	-4.32e-06	2.50e-06	0.0
198	66	0.06	-0.08	-0.27	-4.08e-06	2.40e-06	0.0
198	87	-0.19	0.08	-0.27	-5.02e-06	2.99e-06	0.0
198	98	0.13	-0.15	-0.27	-4.53e-06	2.78e-06	0.0
198	110	0.0	0.0	-0.27	0.0	0.0	0.0
198	111	-1.01e-04	-4.82e-03	-0.19	-3.67e-06	2.05e-06	0.0
198	112	-1.01e-04	-4.82e-03	-0.27	-3.67e-06	2.05e-06	0.0
198	114	0.0	0.0	-0.27	0.0	0.0	0.0

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198	115	-1.01e-04	-4.82e-03	-0.19	-3.67e-06	2.05e-06	0.0
198	116	-1.01e-04	-4.82e-03	-0.27	-3.67e-06	2.05e-06	0.0
198	118	0.0	0.0	-0.27	0.0	0.0	0.0
198	119	-1.01e-04	-4.82e-03	-0.19	-3.67e-06	2.05e-06	0.0
198	120	-1.01e-04	-4.82e-03	-0.27	-3.67e-06	2.05e-06	0.0
198	122	0.0	0.0	-0.27	0.0	0.0	0.0
198	123	-1.01e-04	-4.82e-03	-0.19	-3.67e-06	2.05e-06	0.0
198	124	-1.01e-04	-4.82e-03	-0.27	-3.67e-06	2.05e-06	0.0
199	2	0.0	0.0	-0.37	0.0	0.0	0.0
199	4	-1.50e-04	-7.20e-03	-0.37	-4.83e-06	2.74e-06	0.0
199	7	-1.50e-04	-7.20e-03	-0.20	-4.83e-06	2.74e-06	0.0
199	10	0.0	0.0	-0.30	0.0	0.0	0.0
199	17	0.13	0.07	-0.27	-7.22e-06	5.02e-06	0.0
199	23	-0.20	0.08	-0.27	-5.14e-06	3.19e-06	0.0
199	34	0.14	-0.16	-0.27	-4.44e-06	3.01e-06	0.0
199	49	0.06	0.03	-0.27	-5.13e-06	3.35e-06	0.0
199	55	-0.09	0.04	-0.27	-4.14e-06	2.48e-06	0.0
199	66	0.07	-0.08	-0.27	-3.80e-06	2.39e-06	0.0
199	87	-0.20	0.08	-0.27	-5.14e-06	3.19e-06	0.0
199	98	0.14	-0.16	-0.27	-4.44e-06	3.01e-06	0.0
199	110	0.0	0.0	-0.27	0.0	0.0	0.0
199	111	-1.00e-04	-4.80e-03	-0.19	-3.22e-06	1.83e-06	0.0
199	112	-1.00e-04	-4.80e-03	-0.27	-3.22e-06	1.83e-06	0.0
199	114	0.0	0.0	-0.27	0.0	0.0	0.0
199	115	-1.00e-04	-4.80e-03	-0.19	-3.22e-06	1.83e-06	0.0
199	116	-1.00e-04	-4.80e-03	-0.27	-3.22e-06	1.83e-06	0.0
199	118	0.0	0.0	-0.27	0.0	0.0	0.0
199	119	-1.00e-04	-4.80e-03	-0.19	-3.22e-06	1.83e-06	0.0
199	120	-1.00e-04	-4.80e-03	-0.27	-3.22e-06	1.83e-06	0.0
199	122	0.0	0.0	-0.27	0.0	0.0	0.0
199	123	-1.00e-04	-4.80e-03	-0.19	-3.22e-06	1.83e-06	0.0
199	124	-1.00e-04	-4.80e-03	-0.27	-3.22e-06	1.83e-06	0.0
200	2	0.0	0.0	-0.37	0.0	0.0	0.0
200	4	-1.50e-04	-7.18e-03	-0.37	-4.13e-06	2.41e-06	0.0
200	7	-1.50e-04	-7.18e-03	-0.20	-4.13e-06	2.41e-06	0.0
200	10	0.0	0.0	-0.30	0.0	0.0	0.0
200	17	0.14	0.07	-0.27	-7.48e-06	5.68e-06	0.0
200	23	-0.20	0.09	-0.27	-5.16e-06	3.38e-06	0.0
200	34	0.15	-0.16	-0.27	-4.21e-06	3.25e-06	0.0
200	49	0.07	0.03	-0.27	-5.01e-06	3.55e-06	0.0
200	55	-0.10	0.04	-0.27	-3.91e-06	2.46e-06	0.0
200	66	0.07	-0.08	-0.27	-3.44e-06	2.40e-06	0.0
200	87	-0.20	0.09	-0.27	-5.16e-06	3.38e-06	0.0
200	98	0.15	-0.16	-0.27	-4.21e-06	3.25e-06	0.0
200	110	0.0	0.0	-0.27	0.0	0.0	0.0
200	111	-9.98e-05	-4.78e-03	-0.19	-2.75e-06	1.61e-06	0.0
200	112	-9.98e-05	-4.78e-03	-0.27	-2.75e-06	1.61e-06	0.0
200	114	0.0	0.0	-0.27	0.0	0.0	0.0
200	115	-9.98e-05	-4.78e-03	-0.19	-2.75e-06	1.61e-06	0.0
200	116	-9.98e-05	-4.78e-03	-0.27	-2.75e-06	1.61e-06	0.0
200	118	0.0	0.0	-0.27	0.0	0.0	0.0
200	119	-9.98e-05	-4.78e-03	-0.19	-2.75e-06	1.61e-06	0.0
200	120	-9.98e-05	-4.78e-03	-0.27	-2.75e-06	1.61e-06	0.0
200	122	0.0	0.0	-0.27	0.0	0.0	0.0
200	123	-9.98e-05	-4.78e-03	-0.19	-2.75e-06	1.61e-06	0.0
200	124	-9.98e-05	-4.78e-03	-0.27	-2.75e-06	1.61e-06	0.0
201	4	-1.53e-04	-7.16e-03	-0.37	-3.75e-06	2.25e-06	0.0
201	7	-1.53e-04	-7.16e-03	-0.20	-3.75e-06	2.25e-06	0.0
201	12	-1.33e-04	-6.21e-03	-0.30	-3.25e-06	1.95e-06	0.0
201	17	0.14	0.08	-0.28	-7.45e-06	6.18e-06	0.0
201	23	-0.21	0.09	-0.27	-5.08e-06	3.53e-06	0.0
201	34	0.15	-0.16	-0.27	-4.02e-06	3.53e-06	0.0
201	49	0.07	0.03	-0.27	-4.87e-06	3.74e-06	0.0
201	55	-0.10	0.04	-0.27	-3.74e-06	2.48e-06	0.0
201	66	0.07	-0.08	-0.27	-3.22e-06	2.47e-06	0.0

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201	87	-0.21	0.09	-0.27	-5.08e-06	3.53e-06	0.0
201	98	0.15	-0.16	-0.27	-4.02e-06	3.53e-06	0.0
201	111	-1.02e-04	-4.77e-03	-0.19	-2.50e-06	1.50e-06	0.0
201	112	-1.02e-04	-4.77e-03	-0.27	-2.50e-06	1.50e-06	0.0
201	115	-1.02e-04	-4.77e-03	-0.19	-2.50e-06	1.50e-06	0.0
201	116	-1.02e-04	-4.77e-03	-0.27	-2.50e-06	1.50e-06	0.0
201	119	-1.02e-04	-4.77e-03	-0.19	-2.50e-06	1.50e-06	0.0
201	120	-1.02e-04	-4.77e-03	-0.27	-2.50e-06	1.50e-06	0.0
201	123	-1.02e-04	-4.77e-03	-0.19	-2.50e-06	1.50e-06	0.0
201	124	-1.02e-04	-4.77e-03	-0.27	-2.50e-06	1.50e-06	0.0
202	4	8.99e-04	-4.88e-03	-0.40	1.44e-04	-5.48e-05	0.0
202	7	8.99e-04	-4.88e-03	-0.22	1.44e-04	-5.48e-05	0.0
202	12	7.79e-04	-4.23e-03	-0.32	1.25e-04	-4.75e-05	0.0
202	22	0.15	-0.05	-0.29	9.51e-05	-3.81e-05	0.0
202	34	0.08	-0.13	-0.29	9.81e-05	-3.87e-05	0.0
202	40	-0.07	-0.12	-0.29	9.89e-05	-3.74e-05	0.0
202	54	0.07	-0.03	-0.29	9.55e-05	-3.73e-05	0.0
202	66	0.04	-0.06	-0.29	9.70e-05	-3.76e-05	0.0
202	72	-0.03	-0.06	-0.29	9.74e-05	-3.69e-05	0.0
202	86	0.15	-0.05	-0.29	9.51e-05	-3.81e-05	0.0
202	98	0.08	-0.13	-0.29	9.81e-05	-3.87e-05	0.0
202	111	5.99e-04	-3.26e-03	-0.21	9.60e-05	-3.65e-05	0.0
202	112	5.99e-04	-3.26e-03	-0.29	9.60e-05	-3.65e-05	0.0
202	115	5.99e-04	-3.26e-03	-0.21	9.60e-05	-3.65e-05	0.0
202	116	5.99e-04	-3.26e-03	-0.29	9.60e-05	-3.65e-05	0.0
202	119	5.99e-04	-3.26e-03	-0.21	9.60e-05	-3.65e-05	0.0
202	120	5.99e-04	-3.26e-03	-0.29	9.60e-05	-3.65e-05	0.0
202	123	5.99e-04	-3.26e-03	-0.21	9.60e-05	-3.65e-05	0.0
202	124	5.99e-04	-3.26e-03	-0.29	9.60e-05	-3.65e-05	0.0
203	4	4.39e-04	-5.97e-03	-0.38	7.82e-05	-2.86e-05	0.0
203	7	4.39e-04	-5.97e-03	-0.21	7.82e-05	-2.86e-05	0.0
203	12	3.80e-04	-5.17e-03	-0.31	6.78e-05	-2.47e-05	0.0
203	22	0.15	-0.06	-0.28	5.16e-05	-1.99e-05	0.0
203	34	0.09	-0.13	-0.28	5.40e-05	-2.06e-05	0.0
203	40	-0.07	-0.12	-0.28	5.46e-05	-1.96e-05	0.0
203	54	0.07	-0.03	-0.28	5.19e-05	-1.94e-05	0.0
203	66	0.04	-0.06	-0.28	5.30e-05	-1.98e-05	0.0
203	72	-0.04	-0.06	-0.28	5.33e-05	-1.93e-05	0.0
203	86	0.15	-0.06	-0.28	5.16e-05	-1.99e-05	0.0
203	98	0.09	-0.13	-0.28	5.40e-05	-2.06e-05	0.0
203	111	2.93e-04	-3.98e-03	-0.20	5.21e-05	-1.90e-05	0.0
203	112	2.93e-04	-3.98e-03	-0.28	5.21e-05	-1.90e-05	0.0
203	115	2.93e-04	-3.98e-03	-0.20	5.21e-05	-1.90e-05	0.0
203	116	2.93e-04	-3.98e-03	-0.28	5.21e-05	-1.90e-05	0.0
203	119	2.93e-04	-3.98e-03	-0.20	5.21e-05	-1.90e-05	0.0
203	120	2.93e-04	-3.98e-03	-0.28	5.21e-05	-1.90e-05	0.0
203	123	2.93e-04	-3.98e-03	-0.20	5.21e-05	-1.90e-05	0.0
203	124	2.93e-04	-3.98e-03	-0.28	5.21e-05	-1.90e-05	0.0
204	4	1.57e-04	-6.66e-03	-0.37	3.55e-05	-1.25e-05	0.0
204	7	1.57e-04	-6.66e-03	-0.20	3.55e-05	-1.25e-05	0.0
204	12	1.36e-04	-5.78e-03	-0.30	3.08e-05	-1.09e-05	0.0
204	22	0.16	-0.06	-0.27	2.34e-05	-8.50e-06	0.0
204	34	0.10	-0.13	-0.27	2.50e-05	-9.32e-06	0.0
204	40	-0.08	-0.12	-0.27	2.57e-05	-8.78e-06	0.0
204	54	0.08	-0.03	-0.27	2.35e-05	-8.42e-06	0.0
204	66	0.05	-0.07	-0.27	2.43e-05	-8.81e-06	0.0
204	72	-0.04	-0.06	-0.27	2.46e-05	-8.56e-06	0.0
204	86	0.16	-0.06	-0.27	2.34e-05	-8.50e-06	0.0
204	98	0.10	-0.13	-0.27	2.50e-05	-9.32e-06	0.0
204	111	1.05e-04	-4.44e-03	-0.19	2.37e-05	-8.35e-06	0.0
204	112	1.05e-04	-4.44e-03	-0.27	2.37e-05	-8.35e-06	0.0
204	115	1.05e-04	-4.44e-03	-0.19	2.37e-05	-8.35e-06	0.0
204	116	1.05e-04	-4.44e-03	-0.27	2.37e-05	-8.35e-06	0.0
204	119	1.05e-04	-4.44e-03	-0.19	2.37e-05	-8.35e-06	0.0
204	120	1.05e-04	-4.44e-03	-0.27	2.37e-05	-8.35e-06	0.0

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204	123	1.05e-04	-4.44e-03	-0.19	2.37e-05	-8.35e-06	0.0
204	124	1.05e-04	-4.44e-03	-0.27	2.37e-05	-8.35e-06	0.0
205	2	0.0	0.0	-0.37	0.0	0.0	0.0
205	4	2.32e-06	-7.05e-03	-0.37	1.11e-05	-3.75e-06	0.0
205	7	2.32e-06	-7.05e-03	-0.20	1.11e-05	-3.75e-06	0.0
205	10	0.0	0.0	-0.30	0.0	0.0	0.0
205	22	0.17	-0.06	-0.27	7.33e-06	-2.50e-06	0.0
205	34	0.10	-0.14	-0.27	8.23e-06	-3.07e-06	0.0
205	40	-0.09	-0.12	-0.27	9.22e-06	-2.97e-06	0.0
205	54	0.08	-0.03	-0.27	7.36e-06	-2.50e-06	0.0
205	66	0.05	-0.07	-0.27	7.78e-06	-2.77e-06	0.0
205	72	-0.04	-0.06	-0.27	8.26e-06	-2.72e-06	0.0
205	86	0.17	-0.06	-0.27	7.33e-06	-2.50e-06	0.0
205	98	0.10	-0.14	-0.27	8.23e-06	-3.07e-06	0.0
205	110	0.0	0.0	-0.27	0.0	0.0	0.0
205	111	1.55e-06	-4.70e-03	-0.19	7.38e-06	-2.50e-06	0.0
205	112	1.55e-06	-4.70e-03	-0.27	7.38e-06	-2.50e-06	0.0
205	114	0.0	0.0	-0.27	0.0	0.0	0.0
205	115	1.55e-06	-4.70e-03	-0.19	7.38e-06	-2.50e-06	0.0
205	116	1.55e-06	-4.70e-03	-0.27	7.38e-06	-2.50e-06	0.0
205	118	0.0	0.0	-0.27	0.0	0.0	0.0
205	119	1.55e-06	-4.70e-03	-0.19	7.38e-06	-2.50e-06	0.0
205	120	1.55e-06	-4.70e-03	-0.27	7.38e-06	-2.50e-06	0.0
205	122	0.0	0.0	-0.27	0.0	0.0	0.0
205	123	1.55e-06	-4.70e-03	-0.19	7.38e-06	-2.50e-06	0.0
205	124	1.55e-06	-4.70e-03	-0.27	7.38e-06	-2.50e-06	0.0
206	2	0.0	0.0	-0.37	0.0	0.0	0.0
206	4	-7.22e-05	-7.22e-03	-0.37	0.0	0.0	0.0
206	7	-7.23e-05	-7.22e-03	-0.20	0.0	0.0	0.0
206	10	0.0	0.0	-0.30	0.0	0.0	0.0
206	23	-0.18	0.06	-0.27	0.0	0.0	0.0
206	33	-0.02	0.11	-0.27	0.0	0.0	0.0
206	34	0.11	-0.14	-0.27	0.0	0.0	0.0
206	55	-0.08	0.02	-0.27	0.0	0.0	0.0
206	65	-9.84e-03	0.05	-0.27	0.0	0.0	0.0
206	66	0.05	-0.07	-0.27	0.0	0.0	0.0
206	87	-0.18	0.06	-0.27	0.0	0.0	0.0
206	98	0.11	-0.14	-0.27	0.0	0.0	0.0
206	110	0.0	0.0	-0.27	0.0	0.0	0.0
206	111	-4.82e-05	-4.82e-03	-0.19	0.0	0.0	0.0
206	112	-4.82e-05	-4.82e-03	-0.27	0.0	0.0	0.0
206	114	0.0	0.0	-0.27	0.0	0.0	0.0
206	115	-4.82e-05	-4.82e-03	-0.19	0.0	0.0	0.0
206	116	-4.82e-05	-4.82e-03	-0.27	0.0	0.0	0.0
206	118	0.0	0.0	-0.27	0.0	0.0	0.0
206	119	-4.82e-05	-4.82e-03	-0.19	0.0	0.0	0.0
206	120	-4.82e-05	-4.82e-03	-0.27	0.0	0.0	0.0
206	122	0.0	0.0	-0.27	0.0	0.0	0.0
206	123	-4.82e-05	-4.82e-03	-0.19	0.0	0.0	0.0
206	124	-4.82e-05	-4.82e-03	-0.27	0.0	0.0	0.0
207	2	0.0	0.0	-0.37	0.0	0.0	0.0
207	4	-1.01e-04	-7.27e-03	-0.37	-5.26e-06	1.89e-06	0.0
207	7	-1.01e-04	-7.27e-03	-0.20	-5.26e-06	1.89e-06	0.0
207	10	0.0	0.0	-0.30	0.0	0.0	0.0
207	13	0.08	0.06	-0.27	-4.71e-06	1.96e-06	0.0
207	23	-0.19	0.06	-0.27	-4.12e-06	1.72e-06	0.0
207	34	0.12	-0.14	-0.27	-3.85e-06	1.36e-06	0.0
207	45	0.04	0.03	-0.27	-4.08e-06	1.59e-06	0.0
207	55	-0.09	0.03	-0.27	-3.80e-06	1.48e-06	0.0
207	66	0.06	-0.07	-0.27	-3.67e-06	1.31e-06	0.0
207	87	-0.19	0.06	-0.27	-4.12e-06	1.72e-06	0.0
207	98	0.12	-0.14	-0.27	-3.85e-06	1.36e-06	0.0
207	110	0.0	0.0	-0.27	0.0	0.0	0.0
207	111	-6.74e-05	-4.85e-03	-0.19	-3.51e-06	1.26e-06	0.0
207	112	-6.74e-05	-4.85e-03	-0.27	-3.51e-06	1.26e-06	0.0

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207	114	0.0	0.0	-0.27	0.0	0.0	0.0
207	115	-6.74e-05	-4.85e-03	-0.19	-3.51e-06	1.26e-06	0.0
207	116	-6.74e-05	-4.85e-03	-0.27	-3.51e-06	1.26e-06	0.0
207	118	0.0	0.0	-0.27	0.0	0.0	0.0
207	119	-6.74e-05	-4.85e-03	-0.19	-3.51e-06	1.26e-06	0.0
207	120	-6.74e-05	-4.85e-03	-0.27	-3.51e-06	1.26e-06	0.0
207	122	0.0	0.0	-0.27	0.0	0.0	0.0
207	123	-6.74e-05	-4.85e-03	-0.19	-3.51e-06	1.26e-06	0.0
207	124	-6.74e-05	-4.85e-03	-0.27	-3.51e-06	1.26e-06	0.0
208	2	0.0	0.0	-0.37	0.0	0.0	0.0
208	4	-1.08e-04	-7.26e-03	-0.37	-5.93e-06	2.11e-06	0.0
208	7	-1.08e-04	-7.26e-03	-0.20	-5.93e-06	2.11e-06	0.0
208	10	0.0	0.0	-0.30	0.0	0.0	0.0
208	17	0.13	0.05	-0.27	-6.40e-06	3.13e-06	0.0
208	23	-0.19	0.06	-0.27	-4.95e-06	2.15e-06	0.0
208	34	0.13	-0.14	-0.27	-4.70e-06	1.88e-06	0.0
208	49	0.06	0.02	-0.27	-5.12e-06	2.23e-06	0.0
208	55	-0.09	0.03	-0.27	-4.43e-06	1.76e-06	0.0
208	66	0.06	-0.07	-0.27	-4.31e-06	1.63e-06	0.0
208	87	-0.19	0.06	-0.27	-4.95e-06	2.15e-06	0.0
208	98	0.13	-0.14	-0.27	-4.70e-06	1.88e-06	0.0
208	110	0.0	0.0	-0.27	0.0	0.0	0.0
208	111	-7.19e-05	-4.84e-03	-0.19	-3.95e-06	1.41e-06	0.0
208	112	-7.19e-05	-4.84e-03	-0.27	-3.95e-06	1.41e-06	0.0
208	114	0.0	0.0	-0.27	0.0	0.0	0.0
208	115	-7.19e-05	-4.84e-03	-0.19	-3.95e-06	1.41e-06	0.0
208	116	-7.19e-05	-4.84e-03	-0.27	-3.95e-06	1.41e-06	0.0
208	118	0.0	0.0	-0.27	0.0	0.0	0.0
208	119	-7.19e-05	-4.84e-03	-0.19	-3.95e-06	1.41e-06	0.0
208	120	-7.19e-05	-4.84e-03	-0.27	-3.95e-06	1.41e-06	0.0
208	122	0.0	0.0	-0.27	0.0	0.0	0.0
208	123	-7.19e-05	-4.84e-03	-0.19	-3.95e-06	1.41e-06	0.0
208	124	-7.19e-05	-4.84e-03	-0.27	-3.95e-06	1.41e-06	0.0
209	2	0.0	0.0	-0.37	0.0	0.0	0.0
209	4	-1.07e-04	-7.23e-03	-0.37	-5.21e-06	1.88e-06	0.0
209	7	-1.07e-04	-7.23e-03	-0.20	-5.21e-06	1.88e-06	0.0
209	10	0.0	0.0	-0.30	0.0	0.0	0.0
209	23	-0.20	0.06	-0.27	-4.89e-06	2.39e-06	0.0
209	34	0.14	-0.14	-0.27	-4.58e-06	2.11e-06	0.0
209	37	0.12	0.11	-0.27	-6.92e-06	3.69e-06	0.0
209	55	-0.10	0.03	-0.27	-4.16e-06	1.80e-06	0.0
209	66	0.07	-0.07	-0.27	-4.00e-06	1.66e-06	0.0
209	69	0.06	0.05	-0.27	-5.13e-06	2.42e-06	0.0
209	87	-0.20	0.06	-0.27	-4.89e-06	2.39e-06	0.0
209	98	0.14	-0.14	-0.27	-4.58e-06	2.11e-06	0.0
209	110	0.0	0.0	-0.27	0.0	0.0	0.0
209	111	-7.14e-05	-4.82e-03	-0.19	-3.48e-06	1.25e-06	0.0
209	112	-7.14e-05	-4.82e-03	-0.27	-3.48e-06	1.25e-06	0.0
209	114	0.0	0.0	-0.27	0.0	0.0	0.0
209	115	-7.14e-05	-4.82e-03	-0.19	-3.48e-06	1.25e-06	0.0
209	116	-7.14e-05	-4.82e-03	-0.27	-3.48e-06	1.25e-06	0.0
209	118	0.0	0.0	-0.27	0.0	0.0	0.0
209	119	-7.14e-05	-4.82e-03	-0.19	-3.48e-06	1.25e-06	0.0
209	120	-7.14e-05	-4.82e-03	-0.27	-3.48e-06	1.25e-06	0.0
209	122	0.0	0.0	-0.27	0.0	0.0	0.0
209	123	-7.14e-05	-4.82e-03	-0.19	-3.48e-06	1.25e-06	0.0
209	124	-7.14e-05	-4.82e-03	-0.27	-3.48e-06	1.25e-06	0.0
210	2	0.0	0.0	-0.37	0.0	0.0	0.0
210	4	-1.07e-04	-7.21e-03	-0.37	-4.42e-06	1.64e-06	0.0
210	7	-1.07e-04	-7.21e-03	-0.20	-4.42e-06	1.64e-06	0.0
210	10	0.0	0.0	-0.30	0.0	0.0	0.0
210	23	-0.21	0.07	-0.27	-4.72e-06	2.68e-06	0.0
210	34	0.15	-0.15	-0.27	-4.31e-06	2.37e-06	0.0
210	37	0.13	0.11	-0.27	-7.11e-06	4.38e-06	0.0
210	55	-0.10	0.03	-0.27	-3.80e-06	1.85e-06	0.0

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210	66	0.07	-0.07	-0.27	-3.60e-06	1.70e-06	0.0
210	69	0.06	0.05	-0.27	-4.94e-06	2.66e-06	0.0
210	87	-0.21	0.07	-0.27	-4.72e-06	2.68e-06	0.0
210	98	0.15	-0.15	-0.27	-4.31e-06	2.37e-06	0.0
210	110	0.0	0.0	-0.27	0.0	0.0	0.0
210	111	-7.11e-05	-4.81e-03	-0.19	-2.95e-06	1.09e-06	0.0
210	112	-7.11e-05	-4.81e-03	-0.27	-2.95e-06	1.09e-06	0.0
210	114	0.0	0.0	-0.27	0.0	0.0	0.0
210	115	-7.11e-05	-4.81e-03	-0.19	-2.95e-06	1.09e-06	0.0
210	116	-7.11e-05	-4.81e-03	-0.27	-2.95e-06	1.09e-06	0.0
210	118	0.0	0.0	-0.27	0.0	0.0	0.0
210	119	-7.11e-05	-4.81e-03	-0.19	-2.95e-06	1.09e-06	0.0
210	120	-7.11e-05	-4.81e-03	-0.27	-2.95e-06	1.09e-06	0.0
210	122	0.0	0.0	-0.27	0.0	0.0	0.0
210	123	-7.11e-05	-4.81e-03	-0.19	-2.95e-06	1.09e-06	0.0
210	124	-7.11e-05	-4.81e-03	-0.27	-2.95e-06	1.09e-06	0.0
211	4	-1.09e-04	-7.19e-03	-0.37	-4.00e-06	1.52e-06	0.0
211	7	-1.09e-04	-7.19e-03	-0.20	-4.00e-06	1.52e-06	0.0
211	12	-9.43e-05	-6.24e-03	-0.30	-3.47e-06	1.32e-06	0.0
211	23	-0.22	0.07	-0.27	-4.53e-06	2.96e-06	0.0
211	34	0.16	-0.15	-0.27	-4.14e-06	2.67e-06	0.0
211	37	0.14	0.11	-0.28	-7.08e-06	5.00e-06	0.0
211	55	-0.11	0.03	-0.27	-3.56e-06	1.95e-06	0.0
211	66	0.08	-0.07	-0.27	-3.37e-06	1.81e-06	0.0
211	69	0.07	0.05	-0.27	-4.78e-06	2.92e-06	0.0
211	87	-0.22	0.07	-0.27	-4.53e-06	2.96e-06	0.0
211	98	0.16	-0.15	-0.27	-4.14e-06	2.67e-06	0.0
211	111	-7.25e-05	-4.80e-03	-0.19	-2.67e-06	1.01e-06	0.0
211	112	-7.25e-05	-4.80e-03	-0.27	-2.67e-06	1.01e-06	0.0
211	115	-7.25e-05	-4.80e-03	-0.19	-2.67e-06	1.01e-06	0.0
211	116	-7.25e-05	-4.80e-03	-0.27	-2.67e-06	1.01e-06	0.0
211	119	-7.25e-05	-4.80e-03	-0.19	-2.67e-06	1.01e-06	0.0
211	120	-7.25e-05	-4.80e-03	-0.27	-2.67e-06	1.01e-06	0.0
211	123	-7.25e-05	-4.80e-03	-0.19	-2.67e-06	1.01e-06	0.0
211	124	-7.25e-05	-4.80e-03	-0.27	-2.67e-06	1.01e-06	0.0
212	4	5.17e-04	-4.52e-03	-0.40	1.66e-04	-3.14e-05	0.0
212	7	5.17e-04	-4.52e-03	-0.23	1.66e-04	-3.14e-05	0.0
212	12	4.48e-04	-3.92e-03	-0.33	1.44e-04	-2.72e-05	0.0
212	22	0.15	-0.04	-0.29	1.11e-04	-2.29e-05	0.0
212	34	0.08	-0.12	-0.29	1.14e-04	-2.26e-05	0.0
212	40	-0.07	-0.12	-0.29	1.14e-04	-2.09e-05	0.0
212	54	0.07	-0.02	-0.29	1.11e-04	-2.19e-05	0.0
212	66	0.04	-0.06	-0.29	1.12e-04	-2.17e-05	0.0
212	72	-0.03	-0.06	-0.29	1.13e-04	-2.09e-05	0.0
212	86	0.15	-0.04	-0.29	1.11e-04	-2.29e-05	0.0
212	98	0.08	-0.12	-0.29	1.14e-04	-2.26e-05	0.0
212	111	3.45e-04	-3.01e-03	-0.21	1.11e-04	-2.09e-05	0.0
212	112	3.45e-04	-3.01e-03	-0.29	1.11e-04	-2.09e-05	0.0
212	115	3.45e-04	-3.01e-03	-0.21	1.11e-04	-2.09e-05	0.0
212	116	3.45e-04	-3.01e-03	-0.29	1.11e-04	-2.09e-05	0.0
212	119	3.45e-04	-3.01e-03	-0.21	1.11e-04	-2.09e-05	0.0
212	120	3.45e-04	-3.01e-03	-0.29	1.11e-04	-2.09e-05	0.0
212	123	3.45e-04	-3.01e-03	-0.21	1.11e-04	-2.09e-05	0.0
212	124	3.45e-04	-3.01e-03	-0.29	1.11e-04	-2.09e-05	0.0
213	4	2.55e-04	-5.77e-03	-0.38	9.11e-05	-1.64e-05	0.0
213	7	2.55e-04	-5.77e-03	-0.21	9.11e-05	-1.64e-05	0.0
213	12	2.21e-04	-5.00e-03	-0.31	7.90e-05	-1.42e-05	0.0
213	22	0.15	-0.05	-0.28	6.09e-05	-1.20e-05	0.0
213	34	0.09	-0.12	-0.28	6.31e-05	-1.21e-05	0.0
213	40	-0.07	-0.12	-0.28	6.35e-05	-1.09e-05	0.0
213	54	0.07	-0.02	-0.28	6.08e-05	-1.14e-05	0.0
213	66	0.04	-0.06	-0.28	6.19e-05	-1.15e-05	0.0
213	72	-0.04	-0.06	-0.28	6.21e-05	-1.09e-05	0.0
213	86	0.15	-0.05	-0.28	6.09e-05	-1.20e-05	0.0
213	98	0.09	-0.12	-0.28	6.31e-05	-1.21e-05	0.0

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213	111	1.70e-04	-3.84e-03	-0.20	6.08e-05	-1.09e-05	0.0
213	112	1.70e-04	-3.84e-03	-0.28	6.08e-05	-1.09e-05	0.0
213	115	1.70e-04	-3.84e-03	-0.20	6.08e-05	-1.09e-05	0.0
213	116	1.70e-04	-3.84e-03	-0.28	6.08e-05	-1.09e-05	0.0
213	119	1.70e-04	-3.84e-03	-0.20	6.08e-05	-1.09e-05	0.0
213	120	1.70e-04	-3.84e-03	-0.28	6.08e-05	-1.09e-05	0.0
213	123	1.70e-04	-3.84e-03	-0.20	6.08e-05	-1.09e-05	0.0
213	124	1.70e-04	-3.84e-03	-0.28	6.08e-05	-1.09e-05	0.0
214	4	9.47e-05	-6.57e-03	-0.38	4.19e-05	-7.29e-06	0.0
214	7	9.47e-05	-6.57e-03	-0.20	4.19e-05	-7.29e-06	0.0
214	12	8.21e-05	-5.70e-03	-0.30	3.64e-05	-6.32e-06	0.0
214	22	0.16	-0.05	-0.27	2.81e-05	-5.34e-06	0.0
214	34	0.10	-0.13	-0.27	2.97e-05	-5.67e-06	0.0
214	40	-0.08	-0.12	-0.27	3.01e-05	-4.78e-06	0.0
214	54	0.08	-0.03	-0.27	2.80e-05	-5.09e-06	0.0
214	66	0.05	-0.06	-0.27	2.88e-05	-5.25e-06	0.0
214	72	-0.04	-0.06	-0.27	2.90e-05	-4.82e-06	0.0
214	86	0.16	-0.05	-0.27	2.81e-05	-5.34e-06	0.0
214	98	0.10	-0.13	-0.27	2.97e-05	-5.67e-06	0.0
214	111	6.31e-05	-4.38e-03	-0.19	2.80e-05	-4.86e-06	0.0
214	112	6.31e-05	-4.38e-03	-0.27	2.80e-05	-4.86e-06	0.0
214	115	6.31e-05	-4.38e-03	-0.19	2.80e-05	-4.86e-06	0.0
214	116	6.31e-05	-4.38e-03	-0.27	2.80e-05	-4.86e-06	0.0
214	119	6.31e-05	-4.38e-03	-0.19	2.80e-05	-4.86e-06	0.0
214	120	6.31e-05	-4.38e-03	-0.27	2.80e-05	-4.86e-06	0.0
214	123	6.31e-05	-4.38e-03	-0.19	2.80e-05	-4.86e-06	0.0
214	124	6.31e-05	-4.38e-03	-0.27	2.80e-05	-4.86e-06	0.0
215	2	0.0	0.0	-0.37	0.0	0.0	0.0
215	4	6.61e-06	-7.02e-03	-0.37	1.37e-05	-2.29e-06	0.0
215	10	0.0	0.0	-0.30	0.0	0.0	0.0
215	22	0.17	-0.05	-0.27	9.34e-06	-1.52e-06	0.0
215	34	0.11	-0.13	-0.27	1.04e-05	-1.98e-06	0.0
215	40	-0.09	-0.12	-0.27	1.09e-05	-1.24e-06	0.0
215	54	0.08	-0.03	-0.27	9.25e-06	-1.53e-06	0.0
215	66	0.05	-0.06	-0.27	9.73e-06	-1.74e-06	0.0
215	72	-0.04	-0.06	-0.27	9.98e-06	-1.39e-06	0.0
215	86	0.17	-0.05	-0.27	9.34e-06	-1.52e-06	0.0
215	98	0.11	-0.13	-0.27	1.04e-05	-1.98e-06	0.0
215	110	0.0	0.0	-0.27	0.0	0.0	0.0
215	112	4.40e-06	-4.68e-03	-0.27	9.16e-06	-1.53e-06	0.0
215	114	0.0	0.0	-0.27	0.0	0.0	0.0
215	116	4.40e-06	-4.68e-03	-0.27	9.16e-06	-1.53e-06	0.0
215	118	0.0	0.0	-0.27	0.0	0.0	0.0
215	120	4.40e-06	-4.68e-03	-0.27	9.16e-06	-1.53e-06	0.0
215	122	0.0	0.0	-0.27	0.0	0.0	0.0
215	124	4.40e-06	-4.68e-03	-0.27	9.16e-06	-1.53e-06	0.0
216	2	0.0	0.0	-0.37	0.0	0.0	0.0
216	4	-3.57e-05	-7.23e-03	-0.37	0.0	0.0	0.0
216	7	-3.57e-05	-7.23e-03	-0.20	0.0	0.0	0.0
216	10	0.0	0.0	-0.30	0.0	0.0	0.0
216	23	-0.18	0.04	-0.27	0.0	0.0	0.0
216	34	0.12	-0.13	-0.27	0.0	0.0	0.0
216	42	-0.02	-0.12	-0.27	1.34e-06	0.0	0.0
216	55	-0.09	0.02	-0.27	0.0	0.0	0.0
216	66	0.06	-0.06	-0.27	0.0	0.0	0.0
216	74	-0.01	-0.06	-0.27	0.0	0.0	0.0
216	87	-0.18	0.04	-0.27	0.0	0.0	0.0
216	98	0.12	-0.13	-0.27	0.0	0.0	0.0
216	110	0.0	0.0	-0.27	0.0	0.0	0.0
216	111	-2.38e-05	-4.82e-03	-0.19	0.0	0.0	0.0
216	112	-2.38e-05	-4.82e-03	-0.27	0.0	0.0	0.0
216	114	0.0	0.0	-0.27	0.0	0.0	0.0
216	115	-2.38e-05	-4.82e-03	-0.19	0.0	0.0	0.0
216	116	-2.38e-05	-4.82e-03	-0.27	0.0	0.0	0.0
216	118	0.0	0.0	-0.27	0.0	0.0	0.0

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216	119	-2.38e-05	-4.82e-03	-0.19	0.0	0.0	0.0
216	120	-2.38e-05	-4.82e-03	-0.27	0.0	0.0	0.0
216	122	0.0	0.0	-0.27	0.0	0.0	0.0
216	123	-2.38e-05	-4.82e-03	-0.19	0.0	0.0	0.0
216	124	-2.38e-05	-4.82e-03	-0.27	0.0	0.0	0.0
217	2	0.0	0.0	-0.37	0.0	0.0	0.0
217	4	-5.21e-05	-7.29e-03	-0.37	-5.31e-06	0.0	0.0
217	7	-5.21e-05	-7.29e-03	-0.20	-5.31e-06	0.0	0.0
217	10	0.0	0.0	-0.30	0.0	0.0	0.0
217	23	-0.19	0.04	-0.27	-3.75e-06	0.0	0.0
217	29	-0.05	0.12	-0.27	-3.06e-06	0.0	0.0
217	34	0.13	-0.13	-0.27	-4.11e-06	0.0	0.0
217	55	-0.09	0.02	-0.27	-3.64e-06	0.0	0.0
217	61	-0.02	0.05	-0.27	-3.31e-06	0.0	0.0
217	66	0.06	-0.06	-0.27	-3.81e-06	0.0	0.0
217	87	-0.19	0.04	-0.27	-3.75e-06	0.0	0.0
217	98	0.13	-0.13	-0.27	-4.11e-06	0.0	0.0
217	110	0.0	0.0	-0.27	0.0	0.0	0.0
217	111	-3.48e-05	-4.86e-03	-0.19	-3.54e-06	0.0	0.0
217	112	-3.48e-05	-4.86e-03	-0.27	-3.54e-06	0.0	0.0
217	114	0.0	0.0	-0.27	0.0	0.0	0.0
217	115	-3.48e-05	-4.86e-03	-0.19	-3.54e-06	0.0	0.0
217	116	-3.48e-05	-4.86e-03	-0.27	-3.54e-06	0.0	0.0
217	118	0.0	0.0	-0.27	0.0	0.0	0.0
217	119	-3.48e-05	-4.86e-03	-0.19	-3.54e-06	0.0	0.0
217	120	-3.48e-05	-4.86e-03	-0.27	-3.54e-06	0.0	0.0
217	122	0.0	0.0	-0.27	0.0	0.0	0.0
217	123	-3.48e-05	-4.86e-03	-0.19	-3.54e-06	0.0	0.0
217	124	-3.48e-05	-4.86e-03	-0.27	-3.54e-06	0.0	0.0
218	2	0.0	0.0	-0.37	0.0	0.0	0.0
218	4	-5.61e-05	-7.29e-03	-0.37	-6.19e-06	1.07e-06	0.0
218	7	-5.61e-05	-7.29e-03	-0.20	-6.19e-06	1.07e-06	0.0
218	10	0.0	0.0	-0.30	0.0	0.0	0.0
218	23	-0.20	0.05	-0.27	-4.53e-06	1.30e-06	0.0
218	34	0.14	-0.13	-0.27	-5.01e-06	1.07e-06	0.0
218	37	0.12	0.11	-0.27	-6.14e-06	1.89e-06	0.0
218	55	-0.09	0.02	-0.27	-4.32e-06	0.0	0.0
218	66	0.07	-0.06	-0.27	-4.55e-06	0.0	0.0
218	69	0.06	0.05	-0.27	-5.09e-06	1.27e-06	0.0
218	87	-0.20	0.05	-0.27	-4.53e-06	1.30e-06	0.0
218	98	0.14	-0.13	-0.27	-5.01e-06	1.07e-06	0.0
218	110	0.0	0.0	-0.27	0.0	0.0	0.0
218	111	-3.74e-05	-4.86e-03	-0.19	-4.13e-06	0.0	0.0
218	112	-3.74e-05	-4.86e-03	-0.27	-4.13e-06	0.0	0.0
218	114	0.0	0.0	-0.27	0.0	0.0	0.0
218	115	-3.74e-05	-4.86e-03	-0.19	-4.13e-06	0.0	0.0
218	116	-3.74e-05	-4.86e-03	-0.27	-4.13e-06	0.0	0.0
218	118	0.0	0.0	-0.27	0.0	0.0	0.0
218	119	-3.74e-05	-4.86e-03	-0.19	-4.13e-06	0.0	0.0
218	120	-3.74e-05	-4.86e-03	-0.27	-4.13e-06	0.0	0.0
218	122	0.0	0.0	-0.27	0.0	0.0	0.0
218	123	-3.74e-05	-4.86e-03	-0.19	-4.13e-06	0.0	0.0
218	124	-3.74e-05	-4.86e-03	-0.27	-4.13e-06	0.0	0.0
219	2	0.0	0.0	-0.37	0.0	0.0	0.0
219	4	-5.57e-05	-7.26e-03	-0.37	-5.45e-06	0.0	0.0
219	7	-5.57e-05	-7.26e-03	-0.20	-5.45e-06	0.0	0.0
219	10	0.0	0.0	-0.30	0.0	0.0	0.0
219	23	-0.21	0.05	-0.27	-4.20e-06	1.58e-06	0.0
219	34	0.15	-0.13	-0.27	-4.91e-06	1.34e-06	0.0
219	37	0.13	0.11	-0.27	-6.29e-06	2.50e-06	0.0
219	55	-0.10	0.02	-0.27	-3.91e-06	1.09e-06	0.0
219	66	0.07	-0.07	-0.27	-4.25e-06	0.0	0.0
219	69	0.06	0.05	-0.27	-4.91e-06	1.53e-06	0.0
219	87	-0.21	0.05	-0.27	-4.20e-06	1.58e-06	0.0
219	98	0.15	-0.13	-0.27	-4.91e-06	1.34e-06	0.0

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219	110	0.0	0.0	-0.27	0.0	0.0	0.0
219	111	-3.72e-05	-4.84e-03	-0.19	-3.64e-06	0.0	0.0
219	112	-3.71e-05	-4.84e-03	-0.27	-3.64e-06	0.0	0.0
219	114	0.0	0.0	-0.27	0.0	0.0	0.0
219	115	-3.72e-05	-4.84e-03	-0.19	-3.64e-06	0.0	0.0
219	116	-3.71e-05	-4.84e-03	-0.27	-3.64e-06	0.0	0.0
219	118	0.0	0.0	-0.27	0.0	0.0	0.0
219	119	-3.72e-05	-4.84e-03	-0.19	-3.64e-06	0.0	0.0
219	120	-3.71e-05	-4.84e-03	-0.27	-3.64e-06	0.0	0.0
219	122	0.0	0.0	-0.27	0.0	0.0	0.0
219	123	-3.72e-05	-4.84e-03	-0.19	-3.64e-06	0.0	0.0
219	124	-3.71e-05	-4.84e-03	-0.27	-3.64e-06	0.0	0.0
220	2	0.0	0.0	-0.37	0.0	0.0	0.0
220	4	-5.54e-05	-7.23e-03	-0.37	-4.60e-06	0.0	0.0
220	7	-5.54e-05	-7.23e-03	-0.20	-4.60e-06	0.0	0.0
220	10	0.0	0.0	-0.30	0.0	0.0	0.0
220	23	-0.22	0.05	-0.27	-3.76e-06	1.96e-06	0.0
220	34	0.16	-0.13	-0.27	-4.70e-06	1.64e-06	0.0
220	37	0.14	0.11	-0.27	-6.34e-06	3.23e-06	0.0
220	55	-0.10	0.02	-0.27	-3.40e-06	1.23e-06	0.0
220	66	0.08	-0.07	-0.27	-3.84e-06	1.07e-06	0.0
220	69	0.07	0.05	-0.27	-4.64e-06	1.83e-06	0.0
220	87	-0.22	0.05	-0.27	-3.76e-06	1.96e-06	0.0
220	98	0.16	-0.13	-0.27	-4.70e-06	1.64e-06	0.0
220	110	0.0	0.0	-0.27	0.0	0.0	0.0
220	111	-3.69e-05	-4.82e-03	-0.19	-3.07e-06	0.0	0.0
220	112	-3.69e-05	-4.82e-03	-0.27	-3.07e-06	0.0	0.0
220	114	0.0	0.0	-0.27	0.0	0.0	0.0
220	115	-3.69e-05	-4.82e-03	-0.19	-3.07e-06	0.0	0.0
220	116	-3.69e-05	-4.82e-03	-0.27	-3.07e-06	0.0	0.0
220	118	0.0	0.0	-0.27	0.0	0.0	0.0
220	119	-3.69e-05	-4.82e-03	-0.19	-3.07e-06	0.0	0.0
220	120	-3.69e-05	-4.82e-03	-0.27	-3.07e-06	0.0	0.0
220	122	0.0	0.0	-0.27	0.0	0.0	0.0
220	123	-3.69e-05	-4.82e-03	-0.19	-3.07e-06	0.0	0.0
220	124	-3.69e-05	-4.82e-03	-0.27	-3.07e-06	0.0	0.0
221	4	-5.65e-05	-7.22e-03	-0.37	-4.15e-06	0.0	0.0
221	7	-5.65e-05	-7.22e-03	-0.20	-4.15e-06	0.0	0.0
221	12	-4.90e-05	-6.25e-03	-0.30	-3.60e-06	0.0	0.0
221	23	-0.22	0.05	-0.27	-3.47e-06	2.37e-06	0.0
221	34	0.17	-0.13	-0.27	-4.58e-06	1.97e-06	0.0
221	37	0.15	0.11	-0.27	-6.28e-06	3.95e-06	0.0
221	55	-0.11	0.02	-0.27	-3.10e-06	1.40e-06	0.0
221	66	0.08	-0.07	-0.27	-3.63e-06	1.21e-06	0.0
221	69	0.07	0.05	-0.27	-4.45e-06	2.15e-06	0.0
221	87	-0.22	0.05	-0.27	-3.47e-06	2.37e-06	0.0
221	98	0.17	-0.13	-0.27	-4.58e-06	1.97e-06	0.0
221	111	-3.77e-05	-4.81e-03	-0.19	-2.77e-06	0.0	0.0
221	112	-3.77e-05	-4.81e-03	-0.27	-2.77e-06	0.0	0.0
221	115	-3.77e-05	-4.81e-03	-0.19	-2.77e-06	0.0	0.0
221	116	-3.77e-05	-4.81e-03	-0.27	-2.77e-06	0.0	0.0
221	119	-3.77e-05	-4.81e-03	-0.19	-2.77e-06	0.0	0.0
221	120	-3.77e-05	-4.81e-03	-0.27	-2.77e-06	0.0	0.0
221	123	-3.77e-05	-4.81e-03	-0.19	-2.77e-06	0.0	0.0
221	124	-3.77e-05	-4.81e-03	-0.27	-2.77e-06	0.0	0.0
222	4	0.0	-4.38e-03	-0.40	1.75e-04	0.0	0.0
222	7	0.0	-4.38e-03	-0.23	1.75e-04	0.0	0.0
222	12	0.0	-3.80e-03	-0.33	1.52e-04	0.0	0.0
222	25	0.15	0.03	-0.29	1.16e-04	-1.92e-06	0.0
222	38	-5.82e-03	-0.12	-0.29	1.20e-04	0.0	0.0
222	57	0.07	0.01	-0.29	1.16e-04	0.0	0.0
222	70	-2.82e-03	-0.06	-0.29	1.18e-04	0.0	0.0
222	89	0.15	0.03	-0.29	1.16e-04	-1.92e-06	0.0
222	102	-5.82e-03	-0.12	-0.29	1.20e-04	0.0	0.0
222	111	0.0	-2.92e-03	-0.21	1.17e-04	0.0	0.0

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222	112	0.0	-2.92e-03	-0.29	1.17e-04	0.0	0.0
222	115	0.0	-2.92e-03	-0.21	1.17e-04	0.0	0.0
222	116	0.0	-2.92e-03	-0.29	1.17e-04	0.0	0.0
222	119	0.0	-2.92e-03	-0.21	1.17e-04	0.0	0.0
222	120	0.0	-2.92e-03	-0.29	1.17e-04	0.0	0.0
222	123	0.0	-2.92e-03	-0.21	1.17e-04	0.0	0.0
222	124	0.0	-2.92e-03	-0.29	1.17e-04	0.0	0.0
223	4	0.0	-5.69e-03	-0.38	9.60e-05	0.0	0.0
223	7	0.0	-5.69e-03	-0.21	9.60e-05	0.0	0.0
223	12	0.0	-4.93e-03	-0.31	8.32e-05	0.0	0.0
223	28	-0.15	-0.04	-0.28	6.48e-05	0.0	0.0
223	38	-0.01	-0.12	-0.28	6.67e-05	0.0	0.0
223	60	-0.07	-0.02	-0.28	6.44e-05	0.0	0.0
223	70	-7.00e-03	-0.06	-0.28	6.53e-05	0.0	0.0
223	92	-0.15	-0.04	-0.28	6.48e-05	0.0	0.0
223	102	-0.01	-0.12	-0.28	6.67e-05	0.0	0.0
223	111	0.0	-3.79e-03	-0.20	6.40e-05	0.0	0.0
223	112	0.0	-3.79e-03	-0.28	6.40e-05	0.0	0.0
223	115	0.0	-3.79e-03	-0.20	6.40e-05	0.0	0.0
223	116	0.0	-3.79e-03	-0.28	6.40e-05	0.0	0.0
223	119	0.0	-3.79e-03	-0.20	6.40e-05	0.0	0.0
223	120	0.0	-3.79e-03	-0.28	6.40e-05	0.0	0.0
223	123	0.0	-3.79e-03	-0.20	6.40e-05	0.0	0.0
223	124	0.0	-3.79e-03	-0.28	6.40e-05	0.0	0.0
224	4	0.0	-6.54e-03	-0.38	4.44e-05	0.0	0.0
224	7	0.0	-6.54e-03	-0.20	4.44e-05	0.0	0.0
224	12	0.0	-5.67e-03	-0.30	3.84e-05	0.0	0.0
224	28	-0.16	-0.04	-0.27	3.02e-05	0.0	0.0
224	38	-0.02	-0.12	-0.27	3.16e-05	0.0	0.0
224	40	-0.08	-0.12	-0.27	3.16e-05	0.0	0.0
224	60	-0.08	-0.02	-0.27	2.99e-05	0.0	0.0
224	70	-0.01	-0.06	-0.27	3.05e-05	0.0	0.0
224	72	-0.04	-0.06	-0.27	3.05e-05	0.0	0.0
224	92	-0.16	-0.04	-0.27	3.02e-05	0.0	0.0
224	102	-0.02	-0.12	-0.27	3.16e-05	0.0	0.0
224	111	0.0	-4.36e-03	-0.19	2.96e-05	0.0	0.0
224	112	0.0	-4.36e-03	-0.27	2.96e-05	0.0	0.0
224	115	0.0	-4.36e-03	-0.19	2.96e-05	0.0	0.0
224	116	0.0	-4.36e-03	-0.27	2.96e-05	0.0	0.0
224	119	0.0	-4.36e-03	-0.19	2.96e-05	0.0	0.0
224	120	0.0	-4.36e-03	-0.27	2.96e-05	0.0	0.0
224	123	0.0	-4.36e-03	-0.19	2.96e-05	0.0	0.0
224	124	0.0	-4.36e-03	-0.27	2.96e-05	0.0	0.0
225	2	0.0	0.0	-0.37	0.0	0.0	0.0
225	4	0.0	-7.01e-03	-0.37	1.47e-05	0.0	0.0
225	7	0.0	-7.01e-03	-0.20	1.47e-05	0.0	0.0
225	10	0.0	0.0	-0.30	0.0	0.0	0.0
225	28	-0.17	-0.04	-0.27	1.03e-05	0.0	0.0
225	38	-0.03	-0.12	-0.27	1.13e-05	0.0	0.0
225	40	-0.09	-0.12	-0.27	1.13e-05	0.0	0.0
225	60	-0.08	-0.02	-0.27	1.00e-05	0.0	0.0
225	70	-0.02	-0.06	-0.27	1.05e-05	0.0	0.0
225	72	-0.04	-0.06	-0.27	1.05e-05	0.0	0.0
225	92	-0.17	-0.04	-0.27	1.03e-05	0.0	0.0
225	102	-0.03	-0.12	-0.27	1.13e-05	0.0	0.0
225	110	0.0	0.0	-0.27	0.0	0.0	0.0
225	111	0.0	-4.67e-03	-0.19	9.82e-06	0.0	0.0
225	112	0.0	-4.67e-03	-0.27	9.82e-06	0.0	0.0
225	114	0.0	0.0	-0.27	0.0	0.0	0.0
225	115	0.0	-4.67e-03	-0.19	9.82e-06	0.0	0.0
225	116	0.0	-4.67e-03	-0.27	9.82e-06	0.0	0.0
225	118	0.0	0.0	-0.27	0.0	0.0	0.0
225	119	0.0	-4.67e-03	-0.19	9.82e-06	0.0	0.0
225	120	0.0	-4.67e-03	-0.27	9.82e-06	0.0	0.0
225	122	0.0	0.0	-0.27	0.0	0.0	0.0

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225	123	0.0	-4.67e-03	-0.19	9.82e-06	0.0	0.0
225	124	0.0	-4.67e-03	-0.27	9.82e-06	0.0	0.0
226	2	0.0	0.0	-0.37	0.0	0.0	0.0
226	4	0.0	-7.23e-03	-0.37	0.0	0.0	0.0
226	10	0.0	0.0	-0.30	0.0	0.0	0.0
226	28	-0.18	-0.04	-0.27	0.0	0.0	0.0
226	38	-0.04	-0.12	-0.27	1.22e-06	0.0	0.0
226	40	-0.10	-0.12	-0.27	1.22e-06	0.0	0.0
226	60	-0.09	-0.02	-0.27	0.0	0.0	0.0
226	70	-0.02	-0.06	-0.27	0.0	0.0	0.0
226	72	-0.05	-0.06	-0.27	0.0	0.0	0.0
226	92	-0.18	-0.04	-0.27	0.0	0.0	0.0
226	102	-0.04	-0.12	-0.27	1.22e-06	0.0	0.0
226	110	0.0	0.0	-0.27	0.0	0.0	0.0
226	112	0.0	-4.82e-03	-0.27	0.0	0.0	0.0
226	114	0.0	0.0	-0.27	0.0	0.0	0.0
226	116	0.0	-4.82e-03	-0.27	0.0	0.0	0.0
226	118	0.0	0.0	-0.27	0.0	0.0	0.0
226	120	0.0	-4.82e-03	-0.27	0.0	0.0	0.0
226	122	0.0	0.0	-0.27	0.0	0.0	0.0
226	124	0.0	-4.82e-03	-0.27	0.0	0.0	0.0
227	2	0.0	0.0	-0.37	0.0	0.0	0.0
227	4	0.0	-7.30e-03	-0.37	-5.32e-06	0.0	0.0
227	8	0.0	-7.30e-03	-0.32	-5.32e-06	0.0	0.0
227	10	0.0	0.0	-0.30	0.0	0.0	0.0
227	28	-0.19	-0.04	-0.27	-3.24e-06	0.0	0.0
227	39	0.05	0.11	-0.27	-4.57e-06	0.0	0.0
227	44	-0.13	-0.12	-0.27	-2.52e-06	0.0	0.0
227	60	-0.09	-0.02	-0.27	-3.40e-06	0.0	0.0
227	71	0.02	0.05	-0.27	-4.04e-06	0.0	0.0
227	76	-0.06	-0.06	-0.27	-3.05e-06	0.0	0.0
227	92	-0.19	-0.04	-0.27	-3.24e-06	0.0	0.0
227	108	-0.13	-0.12	-0.27	-2.52e-06	0.0	0.0
227	110	0.0	0.0	-0.27	0.0	0.0	0.0
227	112	0.0	-4.87e-03	-0.27	-3.55e-06	0.0	0.0
227	114	0.0	0.0	-0.27	0.0	0.0	0.0
227	116	0.0	-4.87e-03	-0.27	-3.55e-06	0.0	0.0
227	118	0.0	0.0	-0.27	0.0	0.0	0.0
227	120	0.0	-4.87e-03	-0.27	-3.55e-06	0.0	0.0
227	122	0.0	0.0	-0.27	0.0	0.0	0.0
227	124	0.0	-4.87e-03	-0.27	-3.55e-06	0.0	0.0
228	2	0.0	0.0	-0.37	0.0	0.0	0.0
228	4	0.0	-7.29e-03	-0.37	-6.28e-06	0.0	0.0
228	10	0.0	0.0	-0.30	0.0	0.0	0.0
228	25	0.20	0.03	-0.27	-4.58e-06	0.0	0.0
228	31	-0.12	0.11	-0.27	-5.52e-06	0.0	0.0
228	44	-0.14	-0.12	-0.27	-2.86e-06	0.0	0.0
228	57	0.10	0.01	-0.27	-4.38e-06	0.0	0.0
228	63	-0.06	0.05	-0.27	-4.82e-06	0.0	0.0
228	76	-0.07	-0.06	-0.27	-3.55e-06	0.0	0.0
228	89	0.20	0.03	-0.27	-4.58e-06	0.0	0.0
228	108	-0.14	-0.12	-0.27	-2.86e-06	0.0	0.0
228	110	0.0	0.0	-0.27	0.0	0.0	0.0
228	112	0.0	-4.86e-03	-0.27	-4.19e-06	0.0	0.0
228	114	0.0	0.0	-0.27	0.0	0.0	0.0
228	116	0.0	-4.86e-03	-0.27	-4.19e-06	0.0	0.0
228	118	0.0	0.0	-0.27	0.0	0.0	0.0
228	120	0.0	-4.86e-03	-0.27	-4.19e-06	0.0	0.0
228	122	0.0	0.0	-0.27	0.0	0.0	0.0
228	124	0.0	-4.86e-03	-0.27	-4.19e-06	0.0	0.0
229	2	0.0	0.0	-0.37	0.0	0.0	0.0
229	4	0.0	-7.27e-03	-0.37	-5.54e-06	0.0	0.0
229	10	0.0	0.0	-0.30	0.0	0.0	0.0
229	25	0.21	0.03	-0.27	-4.24e-06	0.0	0.0
229	31	-0.13	0.11	-0.27	-5.52e-06	-1.57e-06	0.0

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229	44	-0.15	-0.12	-0.27	-1.86e-06	0.0	0.0
229	57	0.10	0.01	-0.27	-3.95e-06	0.0	0.0
229	63	-0.06	0.05	-0.27	-4.57e-06	0.0	0.0
229	76	-0.07	-0.06	-0.27	-2.81e-06	0.0	0.0
229	89	0.21	0.03	-0.27	-4.24e-06	0.0	0.0
229	108	-0.15	-0.12	-0.27	-1.86e-06	0.0	0.0
229	110	0.0	0.0	-0.27	0.0	0.0	0.0
229	112	0.0	-4.84e-03	-0.27	-3.69e-06	0.0	0.0
229	114	0.0	0.0	-0.27	0.0	0.0	0.0
229	116	0.0	-4.84e-03	-0.27	-3.69e-06	0.0	0.0
229	118	0.0	0.0	-0.27	0.0	0.0	0.0
229	120	0.0	-4.84e-03	-0.27	-3.69e-06	0.0	0.0
229	122	0.0	0.0	-0.27	0.0	0.0	0.0
229	124	0.0	-4.84e-03	-0.27	-3.69e-06	0.0	0.0
230	2	0.0	0.0	-0.37	0.0	0.0	0.0
230	4	0.0	-7.24e-03	-0.37	-4.66e-06	0.0	0.0
230	10	0.0	0.0	-0.30	0.0	0.0	0.0
230	25	0.22	0.03	-0.27	-3.80e-06	-1.31e-06	0.0
230	31	-0.14	0.11	-0.27	-5.43e-06	-2.36e-06	0.0
230	44	-0.16	-0.12	-0.27	0.0	-1.13e-06	0.0
230	57	0.10	0.01	-0.27	-3.44e-06	0.0	0.0
230	63	-0.07	0.05	-0.27	-4.22e-06	-1.13e-06	0.0
230	76	-0.08	-0.06	-0.27	-1.99e-06	0.0	0.0
230	89	0.22	0.03	-0.27	-3.80e-06	-1.31e-06	0.0
230	108	-0.16	-0.12	-0.27	0.0	-1.13e-06	0.0
230	110	0.0	0.0	-0.27	0.0	0.0	0.0
230	112	0.0	-4.83e-03	-0.27	-3.11e-06	0.0	0.0
230	114	0.0	0.0	-0.27	0.0	0.0	0.0
230	116	0.0	-4.83e-03	-0.27	-3.11e-06	0.0	0.0
230	118	0.0	0.0	-0.27	0.0	0.0	0.0
230	120	0.0	-4.83e-03	-0.27	-3.11e-06	0.0	0.0
230	122	0.0	0.0	-0.27	0.0	0.0	0.0
230	124	0.0	-4.83e-03	-0.27	-3.11e-06	0.0	0.0
231	4	0.0	-7.22e-03	-0.37	-4.20e-06	0.0	0.0
231	7	0.0	-7.22e-03	-0.20	-4.20e-06	0.0	0.0
231	12	0.0	-6.26e-03	-0.30	-3.64e-06	0.0	0.0
231	25	0.23	0.03	-0.27	-3.57e-06	-1.79e-06	0.0
231	31	-0.15	0.11	-0.27	-5.35e-06	-3.13e-06	0.0
231	44	-0.17	-0.12	-0.27	0.0	-1.50e-06	0.0
231	57	0.11	0.01	-0.27	-3.17e-06	0.0	0.0
231	63	-0.07	0.05	-0.27	-4.03e-06	-1.50e-06	0.0
231	76	-0.08	-0.06	-0.27	-1.57e-06	0.0	0.0
231	89	0.23	0.03	-0.27	-3.57e-06	-1.79e-06	0.0
231	108	-0.17	-0.12	-0.27	0.0	-1.50e-06	0.0
231	111	0.0	-4.82e-03	-0.19	-2.80e-06	0.0	0.0
231	112	0.0	-4.82e-03	-0.27	-2.80e-06	0.0	0.0
231	115	0.0	-4.82e-03	-0.19	-2.80e-06	0.0	0.0
231	116	0.0	-4.82e-03	-0.27	-2.80e-06	0.0	0.0
231	119	0.0	-4.82e-03	-0.19	-2.80e-06	0.0	0.0
231	120	0.0	-4.82e-03	-0.27	-2.80e-06	0.0	0.0
231	123	0.0	-4.82e-03	-0.19	-2.80e-06	0.0	0.0
231	124	0.0	-4.82e-03	-0.27	-2.80e-06	0.0	0.0
232	4	-5.17e-04	-4.52e-03	-0.40	1.66e-04	3.14e-05	0.0
232	7	-5.17e-04	-4.52e-03	-0.23	1.66e-04	3.14e-05	0.0
232	12	-4.48e-04	-3.92e-03	-0.33	1.44e-04	2.72e-05	0.0
232	28	-0.15	-0.04	-0.29	1.11e-04	2.29e-05	0.0
232	30	0.07	-0.12	-0.29	1.14e-04	2.09e-05	0.0
232	44	-0.08	-0.12	-0.29	1.14e-04	2.26e-05	0.0
232	60	-0.07	-0.02	-0.29	1.11e-04	2.19e-05	0.0
232	62	0.03	-0.06	-0.29	1.13e-04	2.09e-05	0.0
232	76	-0.04	-0.06	-0.29	1.12e-04	2.17e-05	0.0
232	92	-0.15	-0.04	-0.29	1.11e-04	2.29e-05	0.0
232	108	-0.08	-0.12	-0.29	1.14e-04	2.26e-05	0.0
232	111	-3.45e-04	-3.01e-03	-0.21	1.11e-04	2.09e-05	0.0
232	112	-3.45e-04	-3.01e-03	-0.29	1.11e-04	2.09e-05	0.0

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232	115	-3.45e-04	-3.01e-03	-0.21	1.11e-04	2.09e-05	0.0
232	116	-3.45e-04	-3.01e-03	-0.29	1.11e-04	2.09e-05	0.0
232	119	-3.45e-04	-3.01e-03	-0.21	1.11e-04	2.09e-05	0.0
232	120	-3.45e-04	-3.01e-03	-0.29	1.11e-04	2.09e-05	0.0
232	123	-3.45e-04	-3.01e-03	-0.21	1.11e-04	2.09e-05	0.0
232	124	-3.45e-04	-3.01e-03	-0.29	1.11e-04	2.09e-05	0.0
233	4	-2.55e-04	-5.77e-03	-0.38	9.11e-05	1.64e-05	0.0
233	7	-2.55e-04	-5.77e-03	-0.21	9.11e-05	1.64e-05	0.0
233	12	-2.21e-04	-5.00e-03	-0.31	7.90e-05	1.42e-05	0.0
233	28	-0.15	-0.05	-0.28	6.09e-05	1.20e-05	0.0
233	30	0.07	-0.12	-0.28	6.35e-05	1.09e-05	0.0
233	44	-0.09	-0.12	-0.28	6.31e-05	1.21e-05	0.0
233	60	-0.07	-0.02	-0.28	6.08e-05	1.14e-05	0.0
233	62	0.04	-0.06	-0.28	6.21e-05	1.09e-05	0.0
233	76	-0.04	-0.06	-0.28	6.19e-05	1.15e-05	0.0
233	92	-0.15	-0.05	-0.28	6.09e-05	1.20e-05	0.0
233	108	-0.09	-0.12	-0.28	6.31e-05	1.21e-05	0.0
233	111	-1.70e-04	-3.84e-03	-0.20	6.08e-05	1.09e-05	0.0
233	112	-1.70e-04	-3.84e-03	-0.28	6.08e-05	1.09e-05	0.0
233	115	-1.70e-04	-3.84e-03	-0.20	6.08e-05	1.09e-05	0.0
233	116	-1.70e-04	-3.84e-03	-0.28	6.08e-05	1.09e-05	0.0
233	119	-1.70e-04	-3.84e-03	-0.20	6.08e-05	1.09e-05	0.0
233	120	-1.70e-04	-3.84e-03	-0.28	6.08e-05	1.09e-05	0.0
233	123	-1.70e-04	-3.84e-03	-0.20	6.08e-05	1.09e-05	0.0
233	124	-1.70e-04	-3.84e-03	-0.28	6.08e-05	1.09e-05	0.0
234	4	-9.47e-05	-6.57e-03	-0.38	4.19e-05	7.29e-06	0.0
234	7	-9.47e-05	-6.57e-03	-0.20	4.19e-05	7.29e-06	0.0
234	12	-8.21e-05	-5.70e-03	-0.30	3.64e-05	6.32e-06	0.0
234	28	-0.16	-0.05	-0.27	2.81e-05	5.34e-06	0.0
234	30	0.08	-0.12	-0.27	3.01e-05	4.78e-06	0.0
234	44	-0.10	-0.13	-0.27	2.97e-05	5.67e-06	0.0
234	60	-0.08	-0.03	-0.27	2.80e-05	5.09e-06	0.0
234	62	0.04	-0.06	-0.27	2.90e-05	4.82e-06	0.0
234	76	-0.05	-0.06	-0.27	2.88e-05	5.25e-06	0.0
234	92	-0.16	-0.05	-0.27	2.81e-05	5.34e-06	0.0
234	108	-0.10	-0.13	-0.27	2.97e-05	5.67e-06	0.0
234	111	-6.31e-05	-4.38e-03	-0.19	2.80e-05	4.86e-06	0.0
234	112	-6.31e-05	-4.38e-03	-0.27	2.80e-05	4.86e-06	0.0
234	115	-6.31e-05	-4.38e-03	-0.19	2.80e-05	4.86e-06	0.0
234	116	-6.31e-05	-4.38e-03	-0.27	2.80e-05	4.86e-06	0.0
234	119	-6.31e-05	-4.38e-03	-0.19	2.80e-05	4.86e-06	0.0
234	120	-6.31e-05	-4.38e-03	-0.27	2.80e-05	4.86e-06	0.0
234	123	-6.31e-05	-4.38e-03	-0.19	2.80e-05	4.86e-06	0.0
234	124	-6.31e-05	-4.38e-03	-0.27	2.80e-05	4.86e-06	0.0
235	2	0.0	0.0	-0.37	0.0	0.0	0.0
235	4	-6.61e-06	-7.02e-03	-0.37	1.37e-05	2.30e-06	0.0
235	10	0.0	0.0	-0.30	0.0	0.0	0.0
235	28	-0.17	-0.05	-0.27	9.34e-06	1.52e-06	0.0
235	30	0.09	-0.12	-0.27	1.09e-05	1.24e-06	0.0
235	44	-0.11	-0.13	-0.27	1.04e-05	1.98e-06	0.0
235	60	-0.08	-0.03	-0.27	9.25e-06	1.53e-06	0.0
235	62	0.04	-0.06	-0.27	9.98e-06	1.39e-06	0.0
235	76	-0.05	-0.06	-0.27	9.73e-06	1.74e-06	0.0
235	92	-0.17	-0.05	-0.27	9.34e-06	1.52e-06	0.0
235	108	-0.11	-0.13	-0.27	1.04e-05	1.98e-06	0.0
235	110	0.0	0.0	-0.27	0.0	0.0	0.0
235	112	-4.40e-06	-4.68e-03	-0.27	9.16e-06	1.53e-06	0.0
235	114	0.0	0.0	-0.27	0.0	0.0	0.0
235	116	-4.40e-06	-4.68e-03	-0.27	9.16e-06	1.53e-06	0.0
235	118	0.0	0.0	-0.27	0.0	0.0	0.0
235	120	-4.40e-06	-4.68e-03	-0.27	9.16e-06	1.53e-06	0.0
235	122	0.0	0.0	-0.27	0.0	0.0	0.0
235	124	-4.40e-06	-4.68e-03	-0.27	9.16e-06	1.53e-06	0.0
236	2	0.0	0.0	-0.37	0.0	0.0	0.0
236	4	3.57e-05	-7.23e-03	-0.37	0.0	0.0	0.0

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236	7	3.57e-05	-7.23e-03	-0.20	0.0	0.0	0.0
236	10	0.0	0.0	-0.30	0.0	0.0	0.0
236	25	0.18	0.04	-0.27	0.0	0.0	0.0
236	36	0.02	-0.12	-0.27	1.34e-06	0.0	0.0
236	44	-0.12	-0.13	-0.27	0.0	0.0	0.0
236	57	0.09	0.02	-0.27	0.0	0.0	0.0
236	68	0.01	-0.06	-0.27	0.0	0.0	0.0
236	76	-0.06	-0.06	-0.27	0.0	0.0	0.0
236	89	0.18	0.04	-0.27	0.0	0.0	0.0
236	108	-0.12	-0.13	-0.27	0.0	0.0	0.0
236	110	0.0	0.0	-0.27	0.0	0.0	0.0
236	111	2.38e-05	-4.82e-03	-0.19	0.0	0.0	0.0
236	112	2.38e-05	-4.82e-03	-0.27	0.0	0.0	0.0
236	114	0.0	0.0	-0.27	0.0	0.0	0.0
236	115	2.38e-05	-4.82e-03	-0.19	0.0	0.0	0.0
236	116	2.38e-05	-4.82e-03	-0.27	0.0	0.0	0.0
236	118	0.0	0.0	-0.27	0.0	0.0	0.0
236	119	2.38e-05	-4.82e-03	-0.19	0.0	0.0	0.0
236	120	2.38e-05	-4.82e-03	-0.27	0.0	0.0	0.0
236	122	0.0	0.0	-0.27	0.0	0.0	0.0
236	123	2.38e-05	-4.82e-03	-0.19	0.0	0.0	0.0
236	124	2.38e-05	-4.82e-03	-0.27	0.0	0.0	0.0
237	2	0.0	0.0	-0.37	0.0	0.0	0.0
237	4	5.21e-05	-7.29e-03	-0.37	-5.31e-06	0.0	0.0
237	7	5.21e-05	-7.29e-03	-0.20	-5.31e-06	0.0	0.0
237	10	0.0	0.0	-0.30	0.0	0.0	0.0
237	25	0.19	0.04	-0.27	-3.75e-06	0.0	0.0
237	39	0.05	0.12	-0.27	-3.06e-06	0.0	0.0
237	44	-0.13	-0.13	-0.27	-4.11e-06	0.0	0.0
237	57	0.09	0.02	-0.27	-3.64e-06	0.0	0.0
237	71	0.02	0.05	-0.27	-3.31e-06	0.0	0.0
237	76	-0.06	-0.06	-0.27	-3.81e-06	0.0	0.0
237	89	0.19	0.04	-0.27	-3.75e-06	0.0	0.0
237	108	-0.13	-0.13	-0.27	-4.11e-06	0.0	0.0
237	110	0.0	0.0	-0.27	0.0	0.0	0.0
237	111	3.48e-05	-4.86e-03	-0.19	-3.54e-06	0.0	0.0
237	112	3.48e-05	-4.86e-03	-0.27	-3.54e-06	0.0	0.0
237	114	0.0	0.0	-0.27	0.0	0.0	0.0
237	115	3.48e-05	-4.86e-03	-0.19	-3.54e-06	0.0	0.0
237	116	3.48e-05	-4.86e-03	-0.27	-3.54e-06	0.0	0.0
237	118	0.0	0.0	-0.27	0.0	0.0	0.0
237	119	3.48e-05	-4.86e-03	-0.19	-3.54e-06	0.0	0.0
237	120	3.48e-05	-4.86e-03	-0.27	-3.54e-06	0.0	0.0
237	122	0.0	0.0	-0.27	0.0	0.0	0.0
237	123	3.48e-05	-4.86e-03	-0.19	-3.54e-06	0.0	0.0
237	124	3.48e-05	-4.86e-03	-0.27	-3.54e-06	0.0	0.0
238	2	0.0	0.0	-0.37	0.0	0.0	0.0
238	4	5.61e-05	-7.29e-03	-0.37	-6.19e-06	-1.07e-06	0.0
238	7	5.61e-05	-7.29e-03	-0.20	-6.19e-06	-1.07e-06	0.0
238	10	0.0	0.0	-0.30	0.0	0.0	0.0
238	25	0.20	0.05	-0.27	-4.53e-06	-1.30e-06	0.0
238	31	-0.12	0.11	-0.27	-6.14e-06	-1.89e-06	0.0
238	44	-0.14	-0.13	-0.27	-5.01e-06	-1.07e-06	0.0
238	57	0.09	0.02	-0.27	-4.32e-06	0.0	0.0
238	63	-0.06	0.05	-0.27	-5.09e-06	-1.27e-06	0.0
238	76	-0.07	-0.06	-0.27	-4.55e-06	0.0	0.0
238	89	0.20	0.05	-0.27	-4.53e-06	-1.30e-06	0.0
238	108	-0.14	-0.13	-0.27	-5.01e-06	-1.07e-06	0.0
238	110	0.0	0.0	-0.27	0.0	0.0	0.0
238	111	3.74e-05	-4.86e-03	-0.19	-4.13e-06	0.0	0.0
238	112	3.74e-05	-4.86e-03	-0.27	-4.13e-06	0.0	0.0
238	114	0.0	0.0	-0.27	0.0	0.0	0.0
238	115	3.74e-05	-4.86e-03	-0.19	-4.13e-06	0.0	0.0
238	116	3.74e-05	-4.86e-03	-0.27	-4.13e-06	0.0	0.0
238	118	0.0	0.0	-0.27	0.0	0.0	0.0

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238	119	3.74e-05	-4.86e-03	-0.19	-4.13e-06	0.0	0.0
238	120	3.74e-05	-4.86e-03	-0.27	-4.13e-06	0.0	0.0
238	122	0.0	0.0	-0.27	0.0	0.0	0.0
238	123	3.74e-05	-4.86e-03	-0.19	-4.13e-06	0.0	0.0
238	124	3.74e-05	-4.86e-03	-0.27	-4.13e-06	0.0	0.0
239	2	0.0	0.0	-0.37	0.0	0.0	0.0
239	4	5.57e-05	-7.26e-03	-0.37	-5.45e-06	0.0	0.0
239	7	5.57e-05	-7.26e-03	-0.20	-5.45e-06	0.0	0.0
239	10	0.0	0.0	-0.30	0.0	0.0	0.0
239	25	0.21	0.05	-0.27	-4.20e-06	-1.58e-06	0.0
239	31	-0.13	0.11	-0.27	-6.29e-06	-2.50e-06	0.0
239	44	-0.15	-0.13	-0.27	-4.91e-06	-1.34e-06	0.0
239	57	0.10	0.02	-0.27	-3.91e-06	-1.09e-06	0.0
239	63	-0.06	0.05	-0.27	-4.91e-06	-1.53e-06	0.0
239	76	-0.07	-0.07	-0.27	-4.25e-06	0.0	0.0
239	89	0.21	0.05	-0.27	-4.20e-06	-1.58e-06	0.0
239	108	-0.15	-0.13	-0.27	-4.91e-06	-1.34e-06	0.0
239	110	0.0	0.0	-0.27	0.0	0.0	0.0
239	111	3.72e-05	-4.84e-03	-0.19	-3.64e-06	0.0	0.0
239	112	3.71e-05	-4.84e-03	-0.27	-3.64e-06	0.0	0.0
239	114	0.0	0.0	-0.27	0.0	0.0	0.0
239	115	3.72e-05	-4.84e-03	-0.19	-3.64e-06	0.0	0.0
239	116	3.71e-05	-4.84e-03	-0.27	-3.64e-06	0.0	0.0
239	118	0.0	0.0	-0.27	0.0	0.0	0.0
239	119	3.72e-05	-4.84e-03	-0.19	-3.64e-06	0.0	0.0
239	120	3.71e-05	-4.84e-03	-0.27	-3.64e-06	0.0	0.0
239	122	0.0	0.0	-0.27	0.0	0.0	0.0
239	123	3.72e-05	-4.84e-03	-0.19	-3.64e-06	0.0	0.0
239	124	3.71e-05	-4.84e-03	-0.27	-3.64e-06	0.0	0.0
240	2	0.0	0.0	-0.37	0.0	0.0	0.0
240	4	5.54e-05	-7.23e-03	-0.37	-4.60e-06	0.0	0.0
240	7	5.54e-05	-7.23e-03	-0.20	-4.60e-06	0.0	0.0
240	10	0.0	0.0	-0.30	0.0	0.0	0.0
240	25	0.22	0.05	-0.27	-3.76e-06	-1.96e-06	0.0
240	31	-0.14	0.11	-0.27	-6.34e-06	-3.23e-06	0.0
240	44	-0.16	-0.13	-0.27	-4.70e-06	-1.64e-06	0.0
240	57	0.10	0.02	-0.27	-3.40e-06	-1.23e-06	0.0
240	63	-0.07	0.05	-0.27	-4.64e-06	-1.83e-06	0.0
240	76	-0.08	-0.07	-0.27	-3.84e-06	-1.07e-06	0.0
240	89	0.22	0.05	-0.27	-3.76e-06	-1.96e-06	0.0
240	108	-0.16	-0.13	-0.27	-4.70e-06	-1.64e-06	0.0
240	110	0.0	0.0	-0.27	0.0	0.0	0.0
240	111	3.69e-05	-4.82e-03	-0.19	-3.07e-06	0.0	0.0
240	112	3.69e-05	-4.82e-03	-0.27	-3.07e-06	0.0	0.0
240	114	0.0	0.0	-0.27	0.0	0.0	0.0
240	115	3.69e-05	-4.82e-03	-0.19	-3.07e-06	0.0	0.0
240	116	3.69e-05	-4.82e-03	-0.27	-3.07e-06	0.0	0.0
240	118	0.0	0.0	-0.27	0.0	0.0	0.0
240	119	3.69e-05	-4.82e-03	-0.19	-3.07e-06	0.0	0.0
240	120	3.69e-05	-4.82e-03	-0.27	-3.07e-06	0.0	0.0
240	122	0.0	0.0	-0.27	0.0	0.0	0.0
240	123	3.69e-05	-4.82e-03	-0.19	-3.07e-06	0.0	0.0
240	124	3.69e-05	-4.82e-03	-0.27	-3.07e-06	0.0	0.0
241	4	5.65e-05	-7.22e-03	-0.37	-4.15e-06	0.0	0.0
241	7	5.65e-05	-7.22e-03	-0.20	-4.15e-06	0.0	0.0
241	12	4.90e-05	-6.25e-03	-0.30	-3.60e-06	0.0	0.0
241	25	0.22	0.05	-0.27	-3.47e-06	-2.37e-06	0.0
241	31	-0.15	0.11	-0.27	-6.28e-06	-3.95e-06	0.0
241	44	-0.17	-0.13	-0.27	-4.58e-06	-1.97e-06	0.0
241	57	0.11	0.02	-0.27	-3.10e-06	-1.40e-06	0.0
241	63	-0.07	0.05	-0.27	-4.45e-06	-2.15e-06	0.0
241	76	-0.08	-0.07	-0.27	-3.63e-06	-1.21e-06	0.0
241	89	0.22	0.05	-0.27	-3.47e-06	-2.37e-06	0.0
241	108	-0.17	-0.13	-0.27	-4.58e-06	-1.97e-06	0.0
241	111	3.77e-05	-4.81e-03	-0.19	-2.77e-06	0.0	0.0

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241	112	3.77e-05	-4.81e-03	-0.27	-2.77e-06	0.0	0.0
241	115	3.77e-05	-4.81e-03	-0.19	-2.77e-06	0.0	0.0
241	116	3.77e-05	-4.81e-03	-0.27	-2.77e-06	0.0	0.0
241	119	3.77e-05	-4.81e-03	-0.19	-2.77e-06	0.0	0.0
241	120	3.77e-05	-4.81e-03	-0.27	-2.77e-06	0.0	0.0
241	123	3.77e-05	-4.81e-03	-0.19	-2.77e-06	0.0	0.0
241	124	3.77e-05	-4.81e-03	-0.27	-2.77e-06	0.0	0.0
242	4	-8.99e-04	-4.88e-03	-0.40	1.44e-04	5.48e-05	0.0
242	7	-8.99e-04	-4.88e-03	-0.22	1.44e-04	5.48e-05	0.0
242	12	-7.79e-04	-4.23e-03	-0.32	1.25e-04	4.75e-05	0.0
242	28	-0.15	-0.05	-0.29	9.51e-05	3.81e-05	0.0
242	30	0.07	-0.12	-0.29	9.89e-05	3.74e-05	0.0
242	44	-0.08	-0.13	-0.29	9.81e-05	3.87e-05	0.0
242	60	-0.07	-0.03	-0.29	9.55e-05	3.73e-05	0.0
242	62	0.03	-0.06	-0.29	9.74e-05	3.69e-05	0.0
242	76	-0.04	-0.06	-0.29	9.70e-05	3.76e-05	0.0
242	92	-0.15	-0.05	-0.29	9.51e-05	3.81e-05	0.0
242	108	-0.08	-0.13	-0.29	9.81e-05	3.87e-05	0.0
242	111	-5.99e-04	-3.26e-03	-0.21	9.60e-05	3.65e-05	0.0
242	112	-5.99e-04	-3.26e-03	-0.29	9.60e-05	3.65e-05	0.0
242	115	-5.99e-04	-3.26e-03	-0.21	9.60e-05	3.65e-05	0.0
242	116	-5.99e-04	-3.26e-03	-0.29	9.60e-05	3.65e-05	0.0
242	119	-5.99e-04	-3.26e-03	-0.21	9.60e-05	3.65e-05	0.0
242	120	-5.99e-04	-3.26e-03	-0.29	9.60e-05	3.65e-05	0.0
242	123	-5.99e-04	-3.26e-03	-0.21	9.60e-05	3.65e-05	0.0
242	124	-5.99e-04	-3.26e-03	-0.29	9.60e-05	3.65e-05	0.0
243	4	-4.39e-04	-5.97e-03	-0.38	7.82e-05	2.86e-05	0.0
243	7	-4.39e-04	-5.97e-03	-0.21	7.82e-05	2.86e-05	0.0
243	12	-3.80e-04	-5.17e-03	-0.31	6.78e-05	2.47e-05	0.0
243	28	-0.15	-0.06	-0.28	5.16e-05	1.99e-05	0.0
243	30	0.07	-0.12	-0.28	5.46e-05	1.96e-05	0.0
243	44	-0.09	-0.13	-0.28	5.40e-05	2.06e-05	0.0
243	60	-0.07	-0.03	-0.28	5.19e-05	1.94e-05	0.0
243	62	0.04	-0.06	-0.28	5.33e-05	1.93e-05	0.0
243	76	-0.04	-0.06	-0.28	5.30e-05	1.98e-05	0.0
243	92	-0.15	-0.06	-0.28	5.16e-05	1.99e-05	0.0
243	108	-0.09	-0.13	-0.28	5.40e-05	2.06e-05	0.0
243	111	-2.93e-04	-3.98e-03	-0.20	5.21e-05	1.90e-05	0.0
243	112	-2.93e-04	-3.98e-03	-0.28	5.21e-05	1.90e-05	0.0
243	115	-2.93e-04	-3.98e-03	-0.20	5.21e-05	1.90e-05	0.0
243	116	-2.93e-04	-3.98e-03	-0.28	5.21e-05	1.90e-05	0.0
243	119	-2.93e-04	-3.98e-03	-0.20	5.21e-05	1.90e-05	0.0
243	120	-2.93e-04	-3.98e-03	-0.28	5.21e-05	1.90e-05	0.0
243	123	-2.93e-04	-3.98e-03	-0.20	5.21e-05	1.90e-05	0.0
243	124	-2.93e-04	-3.98e-03	-0.28	5.21e-05	1.90e-05	0.0
244	4	-1.57e-04	-6.66e-03	-0.37	3.55e-05	1.25e-05	0.0
244	7	-1.57e-04	-6.66e-03	-0.20	3.55e-05	1.25e-05	0.0
244	12	-1.36e-04	-5.78e-03	-0.30	3.08e-05	1.09e-05	0.0
244	28	-0.16	-0.06	-0.27	2.34e-05	8.50e-06	0.0
244	30	0.08	-0.12	-0.27	2.57e-05	8.78e-06	0.0
244	44	-0.10	-0.13	-0.27	2.50e-05	9.32e-06	0.0
244	60	-0.08	-0.03	-0.27	2.35e-05	8.42e-06	0.0
244	62	0.04	-0.06	-0.27	2.46e-05	8.56e-06	0.0
244	76	-0.05	-0.07	-0.27	2.43e-05	8.81e-06	0.0
244	92	-0.16	-0.06	-0.27	2.34e-05	8.50e-06	0.0
244	108	-0.10	-0.13	-0.27	2.50e-05	9.32e-06	0.0
244	111	-1.05e-04	-4.44e-03	-0.19	2.37e-05	8.35e-06	0.0
244	112	-1.05e-04	-4.44e-03	-0.27	2.37e-05	8.35e-06	0.0
244	115	-1.05e-04	-4.44e-03	-0.19	2.37e-05	8.35e-06	0.0
244	116	-1.05e-04	-4.44e-03	-0.27	2.37e-05	8.35e-06	0.0
244	119	-1.05e-04	-4.44e-03	-0.19	2.37e-05	8.35e-06	0.0
244	120	-1.05e-04	-4.44e-03	-0.27	2.37e-05	8.35e-06	0.0
244	123	-1.05e-04	-4.44e-03	-0.19	2.37e-05	8.35e-06	0.0
244	124	-1.05e-04	-4.44e-03	-0.27	2.37e-05	8.35e-06	0.0
245	2	0.0	0.0	-0.37	0.0	0.0	0.0

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245	4	-2.32e-06	-7.05e-03	-0.37	1.11e-05	3.75e-06	0.0
245	7	-2.32e-06	-7.05e-03	-0.20	1.11e-05	3.75e-06	0.0
245	10	0.0	0.0	-0.30	0.0	0.0	0.0
245	28	-0.17	-0.06	-0.27	7.33e-06	2.50e-06	0.0
245	30	0.09	-0.12	-0.27	9.22e-06	2.97e-06	0.0
245	44	-0.10	-0.14	-0.27	8.23e-06	3.07e-06	0.0
245	60	-0.08	-0.03	-0.27	7.36e-06	2.50e-06	0.0
245	62	0.04	-0.06	-0.27	8.26e-06	2.72e-06	0.0
245	76	-0.05	-0.07	-0.27	7.78e-06	2.77e-06	0.0
245	92	-0.17	-0.06	-0.27	7.33e-06	2.50e-06	0.0
245	108	-0.10	-0.14	-0.27	8.23e-06	3.07e-06	0.0
245	110	0.0	0.0	-0.27	0.0	0.0	0.0
245	111	-1.55e-06	-4.70e-03	-0.19	7.38e-06	2.50e-06	0.0
245	112	-1.55e-06	-4.70e-03	-0.27	7.38e-06	2.50e-06	0.0
245	114	0.0	0.0	-0.27	0.0	0.0	0.0
245	115	-1.55e-06	-4.70e-03	-0.19	7.38e-06	2.50e-06	0.0
245	116	-1.55e-06	-4.70e-03	-0.27	7.38e-06	2.50e-06	0.0
245	118	0.0	0.0	-0.27	0.0	0.0	0.0
245	119	-1.55e-06	-4.70e-03	-0.19	7.38e-06	2.50e-06	0.0
245	120	-1.55e-06	-4.70e-03	-0.27	7.38e-06	2.50e-06	0.0
245	122	0.0	0.0	-0.27	0.0	0.0	0.0
245	123	-1.55e-06	-4.70e-03	-0.19	7.38e-06	2.50e-06	0.0
245	124	-1.55e-06	-4.70e-03	-0.27	7.38e-06	2.50e-06	0.0
246	2	0.0	0.0	-0.37	0.0	0.0	0.0
246	4	7.22e-05	-7.22e-03	-0.37	0.0	0.0	0.0
246	7	7.23e-05	-7.22e-03	-0.20	0.0	0.0	0.0
246	10	0.0	0.0	-0.30	0.0	0.0	0.0
246	25	0.18	0.06	-0.27	0.0	0.0	0.0
246	43	0.02	0.11	-0.27	0.0	0.0	0.0
246	44	-0.11	-0.14	-0.27	0.0	0.0	0.0
246	57	0.08	0.02	-0.27	0.0	0.0	0.0
246	75	9.84e-03	0.05	-0.27	0.0	0.0	0.0
246	76	-0.05	-0.07	-0.27	0.0	0.0	0.0
246	89	0.18	0.06	-0.27	0.0	0.0	0.0
246	108	-0.11	-0.14	-0.27	0.0	0.0	0.0
246	110	0.0	0.0	-0.27	0.0	0.0	0.0
246	111	4.82e-05	-4.82e-03	-0.19	0.0	0.0	0.0
246	112	4.82e-05	-4.82e-03	-0.27	0.0	0.0	0.0
246	114	0.0	0.0	-0.27	0.0	0.0	0.0
246	115	4.82e-05	-4.82e-03	-0.19	0.0	0.0	0.0
246	116	4.82e-05	-4.82e-03	-0.27	0.0	0.0	0.0
246	118	0.0	0.0	-0.27	0.0	0.0	0.0
246	119	4.82e-05	-4.82e-03	-0.19	0.0	0.0	0.0
246	120	4.82e-05	-4.82e-03	-0.27	0.0	0.0	0.0
246	122	0.0	0.0	-0.27	0.0	0.0	0.0
246	123	4.82e-05	-4.82e-03	-0.19	0.0	0.0	0.0
246	124	4.82e-05	-4.82e-03	-0.27	0.0	0.0	0.0
247	2	0.0	0.0	-0.37	0.0	0.0	0.0
247	4	1.01e-04	-7.27e-03	-0.37	-5.26e-06	-1.89e-06	0.0
247	7	1.01e-04	-7.27e-03	-0.20	-5.26e-06	-1.89e-06	0.0
247	10	0.0	0.0	-0.30	0.0	0.0	0.0
247	19	-0.08	0.06	-0.27	-4.71e-06	-1.96e-06	0.0
247	25	0.19	0.06	-0.27	-4.12e-06	-1.72e-06	0.0
247	44	-0.12	-0.14	-0.27	-3.85e-06	-1.36e-06	0.0
247	51	-0.04	0.03	-0.27	-4.08e-06	-1.59e-06	0.0
247	57	0.09	0.03	-0.27	-3.80e-06	-1.48e-06	0.0
247	76	-0.06	-0.07	-0.27	-3.67e-06	-1.31e-06	0.0
247	89	0.19	0.06	-0.27	-4.12e-06	-1.72e-06	0.0
247	108	-0.12	-0.14	-0.27	-3.85e-06	-1.36e-06	0.0
247	110	0.0	0.0	-0.27	0.0	0.0	0.0
247	111	6.74e-05	-4.85e-03	-0.19	-3.51e-06	-1.26e-06	0.0
247	112	6.74e-05	-4.85e-03	-0.27	-3.51e-06	-1.26e-06	0.0
247	114	0.0	0.0	-0.27	0.0	0.0	0.0
247	115	6.74e-05	-4.85e-03	-0.19	-3.51e-06	-1.26e-06	0.0
247	116	6.74e-05	-4.85e-03	-0.27	-3.51e-06	-1.26e-06	0.0

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247	118	0.0	0.0	-0.27	0.0	0.0	0.0
247	119	6.74e-05	-4.85e-03	-0.19	-3.51e-06	-1.26e-06	0.0
247	120	6.74e-05	-4.85e-03	-0.27	-3.51e-06	-1.26e-06	0.0
247	122	0.0	0.0	-0.27	0.0	0.0	0.0
247	123	6.74e-05	-4.85e-03	-0.19	-3.51e-06	-1.26e-06	0.0
247	124	6.74e-05	-4.85e-03	-0.27	-3.51e-06	-1.26e-06	0.0
248	2	0.0	0.0	-0.37	0.0	0.0	0.0
248	4	1.08e-04	-7.26e-03	-0.37	-5.93e-06	-2.11e-06	0.0
248	7	1.08e-04	-7.26e-03	-0.20	-5.93e-06	-2.11e-06	0.0
248	10	0.0	0.0	-0.30	0.0	0.0	0.0
248	15	-0.13	0.05	-0.27	-6.40e-06	-3.13e-06	0.0
248	25	0.19	0.06	-0.27	-4.95e-06	-2.15e-06	0.0
248	44	-0.13	-0.14	-0.27	-4.70e-06	-1.88e-06	0.0
248	47	-0.06	0.02	-0.27	-5.12e-06	-2.23e-06	0.0
248	57	0.09	0.03	-0.27	-4.43e-06	-1.76e-06	0.0
248	76	-0.06	-0.07	-0.27	-4.31e-06	-1.63e-06	0.0
248	89	0.19	0.06	-0.27	-4.95e-06	-2.15e-06	0.0
248	108	-0.13	-0.14	-0.27	-4.70e-06	-1.88e-06	0.0
248	110	0.0	0.0	-0.27	0.0	0.0	0.0
248	111	7.19e-05	-4.84e-03	-0.19	-3.95e-06	-1.41e-06	0.0
248	112	7.19e-05	-4.84e-03	-0.27	-3.95e-06	-1.41e-06	0.0
248	114	0.0	0.0	-0.27	0.0	0.0	0.0
248	115	7.19e-05	-4.84e-03	-0.19	-3.95e-06	-1.41e-06	0.0
248	116	7.19e-05	-4.84e-03	-0.27	-3.95e-06	-1.41e-06	0.0
248	118	0.0	0.0	-0.27	0.0	0.0	0.0
248	119	7.19e-05	-4.84e-03	-0.19	-3.95e-06	-1.41e-06	0.0
248	120	7.19e-05	-4.84e-03	-0.27	-3.95e-06	-1.41e-06	0.0
248	122	0.0	0.0	-0.27	0.0	0.0	0.0
248	123	7.19e-05	-4.84e-03	-0.19	-3.95e-06	-1.41e-06	0.0
248	124	7.19e-05	-4.84e-03	-0.27	-3.95e-06	-1.41e-06	0.0
249	2	0.0	0.0	-0.37	0.0	0.0	0.0
249	4	1.07e-04	-7.23e-03	-0.37	-5.21e-06	-1.88e-06	0.0
249	7	1.07e-04	-7.23e-03	-0.20	-5.21e-06	-1.88e-06	0.0
249	10	0.0	0.0	-0.30	0.0	0.0	0.0
249	25	0.20	0.06	-0.27	-4.89e-06	-2.39e-06	0.0
249	31	-0.12	0.11	-0.27	-6.92e-06	-3.69e-06	0.0
249	44	-0.14	-0.14	-0.27	-4.58e-06	-2.11e-06	0.0
249	57	0.10	0.03	-0.27	-4.16e-06	-1.80e-06	0.0
249	63	-0.06	0.05	-0.27	-5.13e-06	-2.42e-06	0.0
249	76	-0.07	-0.07	-0.27	-4.00e-06	-1.66e-06	0.0
249	89	0.20	0.06	-0.27	-4.89e-06	-2.39e-06	0.0
249	108	-0.14	-0.14	-0.27	-4.58e-06	-2.11e-06	0.0
249	110	0.0	0.0	-0.27	0.0	0.0	0.0
249	111	7.14e-05	-4.82e-03	-0.19	-3.48e-06	-1.25e-06	0.0
249	112	7.14e-05	-4.82e-03	-0.27	-3.48e-06	-1.25e-06	0.0
249	114	0.0	0.0	-0.27	0.0	0.0	0.0
249	115	7.14e-05	-4.82e-03	-0.19	-3.48e-06	-1.25e-06	0.0
249	116	7.14e-05	-4.82e-03	-0.27	-3.48e-06	-1.25e-06	0.0
249	118	0.0	0.0	-0.27	0.0	0.0	0.0
249	119	7.14e-05	-4.82e-03	-0.19	-3.48e-06	-1.25e-06	0.0
249	120	7.14e-05	-4.82e-03	-0.27	-3.48e-06	-1.25e-06	0.0
249	122	0.0	0.0	-0.27	0.0	0.0	0.0
249	123	7.14e-05	-4.82e-03	-0.19	-3.48e-06	-1.25e-06	0.0
249	124	7.14e-05	-4.82e-03	-0.27	-3.48e-06	-1.25e-06	0.0
250	2	0.0	0.0	-0.37	0.0	0.0	0.0
250	4	1.07e-04	-7.21e-03	-0.37	-4.42e-06	-1.64e-06	0.0
250	7	1.07e-04	-7.21e-03	-0.20	-4.42e-06	-1.64e-06	0.0
250	10	0.0	0.0	-0.30	0.0	0.0	0.0
250	25	0.21	0.07	-0.27	-4.72e-06	-2.68e-06	0.0
250	31	-0.13	0.11	-0.27	-7.11e-06	-4.38e-06	0.0
250	44	-0.15	-0.15	-0.27	-4.31e-06	-2.37e-06	0.0
250	57	0.10	0.03	-0.27	-3.80e-06	-1.85e-06	0.0
250	63	-0.06	0.05	-0.27	-4.94e-06	-2.66e-06	0.0
250	76	-0.07	-0.07	-0.27	-3.60e-06	-1.70e-06	0.0
250	89	0.21	0.07	-0.27	-4.72e-06	-2.68e-06	0.0

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250	108	-0.15	-0.15	-0.27	-4.31e-06	-2.37e-06	0.0
250	110	0.0	0.0	-0.27	0.0	0.0	0.0
250	111	7.11e-05	-4.81e-03	-0.19	-2.95e-06	-1.09e-06	0.0
250	112	7.11e-05	-4.81e-03	-0.27	-2.95e-06	-1.09e-06	0.0
250	114	0.0	0.0	-0.27	0.0	0.0	0.0
250	115	7.11e-05	-4.81e-03	-0.19	-2.95e-06	-1.09e-06	0.0
250	116	7.11e-05	-4.81e-03	-0.27	-2.95e-06	-1.09e-06	0.0
250	118	0.0	0.0	-0.27	0.0	0.0	0.0
250	119	7.11e-05	-4.81e-03	-0.19	-2.95e-06	-1.09e-06	0.0
250	120	7.11e-05	-4.81e-03	-0.27	-2.95e-06	-1.09e-06	0.0
250	122	0.0	0.0	-0.27	0.0	0.0	0.0
250	123	7.11e-05	-4.81e-03	-0.19	-2.95e-06	-1.09e-06	0.0
250	124	7.11e-05	-4.81e-03	-0.27	-2.95e-06	-1.09e-06	0.0
251	4	1.09e-04	-7.19e-03	-0.37	-4.00e-06	-1.52e-06	0.0
251	7	1.09e-04	-7.19e-03	-0.20	-4.00e-06	-1.52e-06	0.0
251	12	9.43e-05	-6.24e-03	-0.30	-3.47e-06	-1.32e-06	0.0
251	25	0.22	0.07	-0.27	-4.53e-06	-2.96e-06	0.0
251	31	-0.14	0.11	-0.28	-7.08e-06	-5.00e-06	0.0
251	44	-0.16	-0.15	-0.27	-4.14e-06	-2.67e-06	0.0
251	57	0.11	0.03	-0.27	-3.56e-06	-1.95e-06	0.0
251	63	-0.07	0.05	-0.27	-4.78e-06	-2.92e-06	0.0
251	76	-0.08	-0.07	-0.27	-3.37e-06	-1.81e-06	0.0
251	89	0.22	0.07	-0.27	-4.53e-06	-2.96e-06	0.0
251	108	-0.16	-0.15	-0.27	-4.14e-06	-2.67e-06	0.0
251	111	7.25e-05	-4.80e-03	-0.19	-2.67e-06	-1.01e-06	0.0
251	112	7.25e-05	-4.80e-03	-0.27	-2.67e-06	-1.01e-06	0.0
251	115	7.25e-05	-4.80e-03	-0.19	-2.67e-06	-1.01e-06	0.0
251	116	7.25e-05	-4.80e-03	-0.27	-2.67e-06	-1.01e-06	0.0
251	119	7.25e-05	-4.80e-03	-0.19	-2.67e-06	-1.01e-06	0.0
251	120	7.25e-05	-4.80e-03	-0.27	-2.67e-06	-1.01e-06	0.0
251	123	7.25e-05	-4.80e-03	-0.19	-2.67e-06	-1.01e-06	0.0
251	124	7.25e-05	-4.80e-03	-0.27	-2.67e-06	-1.01e-06	0.0
252	4	-1.07e-03	-5.37e-03	-0.39	1.14e-04	6.59e-05	0.0
252	7	-1.07e-03	-5.37e-03	-0.22	1.14e-04	6.59e-05	0.0
252	12	-9.30e-04	-4.65e-03	-0.32	9.87e-05	5.72e-05	0.0
252	28	-0.14	-0.06	-0.28	7.44e-05	4.50e-05	0.0
252	30	0.07	-0.12	-0.29	7.83e-05	4.54e-05	0.0
252	44	-0.08	-0.13	-0.29	7.73e-05	4.63e-05	0.0
252	60	-0.07	-0.03	-0.28	7.52e-05	4.45e-05	0.0
252	62	0.03	-0.06	-0.29	7.71e-05	4.47e-05	0.0
252	76	-0.04	-0.07	-0.29	7.66e-05	4.51e-05	0.0
252	92	-0.14	-0.06	-0.28	7.44e-05	4.50e-05	0.0
252	108	-0.08	-0.13	-0.29	7.73e-05	4.63e-05	0.0
252	111	-7.16e-04	-3.58e-03	-0.20	7.59e-05	4.40e-05	0.0
252	112	-7.16e-04	-3.58e-03	-0.28	7.59e-05	4.40e-05	0.0
252	115	-7.16e-04	-3.58e-03	-0.20	7.59e-05	4.40e-05	0.0
252	116	-7.16e-04	-3.58e-03	-0.28	7.59e-05	4.40e-05	0.0
252	119	-7.16e-04	-3.58e-03	-0.20	7.59e-05	4.40e-05	0.0
252	120	-7.16e-04	-3.58e-03	-0.28	7.59e-05	4.40e-05	0.0
252	123	-7.16e-04	-3.58e-03	-0.20	7.59e-05	4.40e-05	0.0
252	124	-7.16e-04	-3.58e-03	-0.28	7.59e-05	4.40e-05	0.0
253	4	-5.15e-04	-6.24e-03	-0.38	6.09e-05	3.41e-05	0.0
253	7	-5.15e-04	-6.24e-03	-0.21	6.09e-05	3.41e-05	0.0
253	12	-4.46e-04	-5.40e-03	-0.31	5.28e-05	2.96e-05	0.0
253	28	-0.15	-0.07	-0.28	3.96e-05	2.30e-05	0.0
253	30	0.07	-0.12	-0.28	4.27e-05	2.38e-05	0.0
253	44	-0.08	-0.14	-0.28	4.19e-05	2.43e-05	0.0
253	60	-0.07	-0.03	-0.28	4.01e-05	2.29e-05	0.0
253	62	0.03	-0.06	-0.28	4.16e-05	2.33e-05	0.0
253	76	-0.04	-0.07	-0.28	4.12e-05	2.35e-05	0.0
253	92	-0.15	-0.07	-0.28	3.96e-05	2.30e-05	0.0
253	108	-0.08	-0.14	-0.28	4.19e-05	2.43e-05	0.0
253	111	-3.43e-04	-4.16e-03	-0.20	4.06e-05	2.27e-05	0.0
253	112	-3.43e-04	-4.16e-03	-0.28	4.06e-05	2.27e-05	0.0
253	115	-3.43e-04	-4.16e-03	-0.20	4.06e-05	2.27e-05	0.0

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253	116	-3.43e-04	-4.16e-03	-0.28	4.06e-05	2.27e-05	0.0
253	119	-3.43e-04	-4.16e-03	-0.20	4.06e-05	2.27e-05	0.0
253	120	-3.43e-04	-4.16e-03	-0.28	4.06e-05	2.27e-05	0.0
253	123	-3.43e-04	-4.16e-03	-0.20	4.06e-05	2.27e-05	0.0
253	124	-3.43e-04	-4.16e-03	-0.28	4.06e-05	2.27e-05	0.0
254	2	0.0	0.0	-0.37	0.0	0.0	0.0
254	4	-1.72e-04	-6.78e-03	-0.37	2.68e-05	1.46e-05	0.0
254	7	-1.72e-04	-6.78e-03	-0.20	2.68e-05	1.46e-05	0.0
254	10	0.0	0.0	-0.30	0.0	0.0	0.0
254	28	-0.16	-0.07	-0.27	1.73e-05	9.84e-06	0.0
254	30	0.08	-0.12	-0.27	1.97e-05	1.06e-05	0.0
254	44	-0.09	-0.14	-0.27	1.88e-05	1.08e-05	0.0
254	60	-0.08	-0.04	-0.27	1.76e-05	9.79e-06	0.0
254	62	0.04	-0.06	-0.27	1.88e-05	1.02e-05	0.0
254	76	-0.04	-0.07	-0.27	1.83e-05	1.02e-05	0.0
254	92	-0.16	-0.07	-0.27	1.73e-05	9.84e-06	0.0
254	108	-0.09	-0.14	-0.27	1.88e-05	1.08e-05	0.0
254	110	0.0	0.0	-0.27	0.0	0.0	0.0
254	111	-1.15e-04	-4.52e-03	-0.19	1.79e-05	9.74e-06	0.0
254	112	-1.15e-04	-4.52e-03	-0.27	1.79e-05	9.74e-06	0.0
254	114	0.0	0.0	-0.27	0.0	0.0	0.0
254	115	-1.15e-04	-4.52e-03	-0.19	1.79e-05	9.74e-06	0.0
254	116	-1.15e-04	-4.52e-03	-0.27	1.79e-05	9.74e-06	0.0
254	118	0.0	0.0	-0.27	0.0	0.0	0.0
254	119	-1.15e-04	-4.52e-03	-0.19	1.79e-05	9.74e-06	0.0
254	120	-1.15e-04	-4.52e-03	-0.27	1.79e-05	9.74e-06	0.0
254	122	0.0	0.0	-0.27	0.0	0.0	0.0
254	123	-1.15e-04	-4.52e-03	-0.19	1.79e-05	9.74e-06	0.0
254	124	-1.15e-04	-4.52e-03	-0.27	1.79e-05	9.74e-06	0.0
255	2	0.0	0.0	-0.37	0.0	0.0	0.0
255	7	1.77e-05	-7.08e-03	-0.20	7.55e-06	3.93e-06	0.0
255	10	0.0	0.0	-0.30	0.0	0.0	0.0
255	25	0.17	0.06	-0.27	5.24e-06	2.66e-06	0.0
255	30	0.09	-0.12	-0.27	6.86e-06	3.56e-06	0.0
255	44	-0.10	-0.14	-0.27	5.51e-06	3.16e-06	0.0
255	57	0.08	0.03	-0.27	5.13e-06	2.64e-06	0.0
255	62	0.04	-0.06	-0.27	5.90e-06	3.07e-06	0.0
255	76	-0.05	-0.07	-0.27	5.26e-06	2.88e-06	0.0
255	89	0.17	0.06	-0.27	5.24e-06	2.66e-06	0.0
255	108	-0.10	-0.14	-0.27	5.51e-06	3.16e-06	0.0
255	110	0.0	0.0	-0.27	0.0	0.0	0.0
255	111	1.18e-05	-4.72e-03	-0.19	5.03e-06	2.62e-06	0.0
255	114	0.0	0.0	-0.27	0.0	0.0	0.0
255	115	1.18e-05	-4.72e-03	-0.19	5.03e-06	2.62e-06	0.0
255	118	0.0	0.0	-0.27	0.0	0.0	0.0
255	119	1.18e-05	-4.72e-03	-0.19	5.03e-06	2.62e-06	0.0
255	122	0.0	0.0	-0.27	0.0	0.0	0.0
255	123	1.18e-05	-4.72e-03	-0.19	5.03e-06	2.62e-06	0.0
256	2	0.0	0.0	-0.37	0.0	0.0	0.0
256	7	1.09e-04	-7.21e-03	-0.20	-1.75e-06	-1.09e-06	0.0
256	10	0.0	0.0	-0.30	0.0	0.0	0.0
256	25	0.17	0.07	-0.27	-1.57e-06	-1.13e-06	0.0
256	43	0.02	0.12	-0.27	0.0	0.0	0.0
256	44	-0.11	-0.15	-0.27	-1.15e-06	0.0	0.0
256	57	0.08	0.03	-0.27	-1.36e-06	0.0	0.0
256	75	8.62e-03	0.05	-0.27	-1.05e-06	0.0	0.0
256	76	-0.05	-0.07	-0.27	-1.16e-06	0.0	0.0
256	89	0.17	0.07	-0.27	-1.57e-06	-1.13e-06	0.0
256	108	-0.11	-0.15	-0.27	-1.15e-06	0.0	0.0
256	110	0.0	0.0	-0.27	0.0	0.0	0.0
256	111	7.25e-05	-4.81e-03	-0.19	-1.17e-06	0.0	0.0
256	114	0.0	0.0	-0.27	0.0	0.0	0.0
256	115	7.25e-05	-4.81e-03	-0.19	-1.17e-06	0.0	0.0
256	118	0.0	0.0	-0.27	0.0	0.0	0.0
256	119	7.25e-05	-4.81e-03	-0.19	-1.17e-06	0.0	0.0

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256	122	0.0	0.0	-0.27	0.0	0.0	0.0
256	123	7.25e-05	-4.81e-03	-0.19	-1.17e-06	0.0	0.0
257	2	0.0	0.0	-0.37	0.0	0.0	0.0
257	4	1.44e-04	-7.24e-03	-0.37	-5.12e-06	-2.87e-06	0.0
257	7	1.44e-04	-7.24e-03	-0.20	-5.12e-06	-2.87e-06	0.0
257	10	0.0	0.0	-0.30	0.0	0.0	0.0
257	15	-0.12	0.06	-0.27	-5.82e-06	-3.48e-06	0.0
257	25	0.18	0.07	-0.27	-4.24e-06	-2.50e-06	0.0
257	44	-0.12	-0.15	-0.27	-3.84e-06	-2.20e-06	0.0
257	47	-0.06	0.03	-0.27	-4.56e-06	-2.66e-06	0.0
257	57	0.09	0.03	-0.27	-3.81e-06	-2.19e-06	0.0
257	76	-0.06	-0.07	-0.27	-3.62e-06	-2.05e-06	0.0
257	89	0.18	0.07	-0.27	-4.24e-06	-2.50e-06	0.0
257	108	-0.12	-0.15	-0.27	-3.84e-06	-2.20e-06	0.0
257	110	0.0	0.0	-0.27	0.0	0.0	0.0
257	111	9.57e-05	-4.83e-03	-0.19	-3.41e-06	-1.91e-06	0.0
257	112	9.57e-05	-4.83e-03	-0.27	-3.41e-06	-1.91e-06	0.0
257	114	0.0	0.0	-0.27	0.0	0.0	0.0
257	115	9.57e-05	-4.83e-03	-0.19	-3.41e-06	-1.91e-06	0.0
257	116	9.57e-05	-4.83e-03	-0.27	-3.41e-06	-1.91e-06	0.0
257	118	0.0	0.0	-0.27	0.0	0.0	0.0
257	119	9.57e-05	-4.83e-03	-0.19	-3.41e-06	-1.91e-06	0.0
257	120	9.57e-05	-4.83e-03	-0.27	-3.41e-06	-1.91e-06	0.0
257	122	0.0	0.0	-0.27	0.0	0.0	0.0
257	123	9.57e-05	-4.83e-03	-0.19	-3.41e-06	-1.91e-06	0.0
257	124	9.57e-05	-4.83e-03	-0.27	-3.41e-06	-1.91e-06	0.0
258	2	0.0	0.0	-0.37	0.0	0.0	0.0
258	4	1.51e-04	-7.23e-03	-0.37	-5.51e-06	-3.08e-06	0.0
258	7	1.51e-04	-7.23e-03	-0.20	-5.51e-06	-3.08e-06	0.0
258	10	0.0	0.0	-0.30	0.0	0.0	0.0
258	15	-0.13	0.07	-0.27	-6.81e-06	-4.37e-06	0.0
258	25	0.19	0.08	-0.27	-5.02e-06	-2.99e-06	0.0
258	44	-0.13	-0.15	-0.27	-4.53e-06	-2.78e-06	0.0
258	47	-0.06	0.03	-0.27	-5.17e-06	-3.16e-06	0.0
258	57	0.09	0.03	-0.27	-4.32e-06	-2.50e-06	0.0
258	76	-0.06	-0.08	-0.27	-4.08e-06	-2.40e-06	0.0
258	89	0.19	0.08	-0.27	-5.02e-06	-2.99e-06	0.0
258	108	-0.13	-0.15	-0.27	-4.53e-06	-2.78e-06	0.0
258	110	0.0	0.0	-0.27	0.0	0.0	0.0
258	111	1.01e-04	-4.82e-03	-0.19	-3.67e-06	-2.05e-06	0.0
258	112	1.01e-04	-4.82e-03	-0.27	-3.67e-06	-2.05e-06	0.0
258	114	0.0	0.0	-0.27	0.0	0.0	0.0
258	115	1.01e-04	-4.82e-03	-0.19	-3.67e-06	-2.05e-06	0.0
258	116	1.01e-04	-4.82e-03	-0.27	-3.67e-06	-2.05e-06	0.0
258	118	0.0	0.0	-0.27	0.0	0.0	0.0
258	119	1.01e-04	-4.82e-03	-0.19	-3.67e-06	-2.05e-06	0.0
258	120	1.01e-04	-4.82e-03	-0.27	-3.67e-06	-2.05e-06	0.0
258	122	0.0	0.0	-0.27	0.0	0.0	0.0
258	123	1.01e-04	-4.82e-03	-0.19	-3.67e-06	-2.05e-06	0.0
258	124	1.01e-04	-4.82e-03	-0.27	-3.67e-06	-2.05e-06	0.0
259	2	0.0	0.0	-0.37	0.0	0.0	0.0
259	4	1.50e-04	-7.20e-03	-0.37	-4.83e-06	-2.74e-06	0.0
259	7	1.50e-04	-7.20e-03	-0.20	-4.83e-06	-2.74e-06	0.0
259	10	0.0	0.0	-0.30	0.0	0.0	0.0
259	15	-0.13	0.07	-0.27	-7.22e-06	-5.02e-06	0.0
259	25	0.20	0.08	-0.27	-5.14e-06	-3.19e-06	0.0
259	44	-0.14	-0.16	-0.27	-4.44e-06	-3.01e-06	0.0
259	47	-0.06	0.03	-0.27	-5.13e-06	-3.35e-06	0.0
259	57	0.09	0.04	-0.27	-4.14e-06	-2.48e-06	0.0
259	76	-0.07	-0.08	-0.27	-3.80e-06	-2.39e-06	0.0
259	89	0.20	0.08	-0.27	-5.14e-06	-3.19e-06	0.0
259	108	-0.14	-0.16	-0.27	-4.44e-06	-3.01e-06	0.0
259	110	0.0	0.0	-0.27	0.0	0.0	0.0
259	111	1.00e-04	-4.80e-03	-0.19	-3.22e-06	-1.83e-06	0.0
259	112	1.00e-04	-4.80e-03	-0.27	-3.22e-06	-1.83e-06	0.0

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259	114	0.0	0.0	-0.27	0.0	0.0	0.0
259	115	1.00e-04	-4.80e-03	-0.19	-3.22e-06	-1.83e-06	0.0
259	116	1.00e-04	-4.80e-03	-0.27	-3.22e-06	-1.83e-06	0.0
259	118	0.0	0.0	-0.27	0.0	0.0	0.0
259	119	1.00e-04	-4.80e-03	-0.19	-3.22e-06	-1.83e-06	0.0
259	120	1.00e-04	-4.80e-03	-0.27	-3.22e-06	-1.83e-06	0.0
259	122	0.0	0.0	-0.27	0.0	0.0	0.0
259	123	1.00e-04	-4.80e-03	-0.19	-3.22e-06	-1.83e-06	0.0
259	124	1.00e-04	-4.80e-03	-0.27	-3.22e-06	-1.83e-06	0.0
260	2	0.0	0.0	-0.37	0.0	0.0	0.0
260	4	1.50e-04	-7.18e-03	-0.37	-4.13e-06	-2.41e-06	0.0
260	7	1.50e-04	-7.18e-03	-0.20	-4.13e-06	-2.41e-06	0.0
260	10	0.0	0.0	-0.30	0.0	0.0	0.0
260	15	-0.14	0.07	-0.27	-7.48e-06	-5.68e-06	0.0
260	25	0.20	0.09	-0.27	-5.16e-06	-3.38e-06	0.0
260	44	-0.15	-0.16	-0.27	-4.21e-06	-3.25e-06	0.0
260	47	-0.07	0.03	-0.27	-5.01e-06	-3.55e-06	0.0
260	57	0.10	0.04	-0.27	-3.91e-06	-2.46e-06	0.0
260	76	-0.07	-0.08	-0.27	-3.44e-06	-2.40e-06	0.0
260	89	0.20	0.09	-0.27	-5.16e-06	-3.38e-06	0.0
260	108	-0.15	-0.16	-0.27	-4.21e-06	-3.25e-06	0.0
260	110	0.0	0.0	-0.27	0.0	0.0	0.0
260	111	9.98e-05	-4.78e-03	-0.19	-2.75e-06	-1.61e-06	0.0
260	112	9.98e-05	-4.78e-03	-0.27	-2.75e-06	-1.61e-06	0.0
260	114	0.0	0.0	-0.27	0.0	0.0	0.0
260	115	9.98e-05	-4.78e-03	-0.19	-2.75e-06	-1.61e-06	0.0
260	116	9.98e-05	-4.78e-03	-0.27	-2.75e-06	-1.61e-06	0.0
260	118	0.0	0.0	-0.27	0.0	0.0	0.0
260	119	9.98e-05	-4.78e-03	-0.19	-2.75e-06	-1.61e-06	0.0
260	120	9.98e-05	-4.78e-03	-0.27	-2.75e-06	-1.61e-06	0.0
260	122	0.0	0.0	-0.27	0.0	0.0	0.0
260	123	9.98e-05	-4.78e-03	-0.19	-2.75e-06	-1.61e-06	0.0
260	124	9.98e-05	-4.78e-03	-0.27	-2.75e-06	-1.61e-06	0.0
261	4	1.53e-04	-7.16e-03	-0.37	-3.75e-06	-2.25e-06	0.0
261	7	1.53e-04	-7.16e-03	-0.20	-3.75e-06	-2.25e-06	0.0
261	12	1.33e-04	-6.21e-03	-0.30	-3.25e-06	-1.95e-06	0.0
261	15	-0.14	0.08	-0.28	-7.45e-06	-6.18e-06	0.0
261	25	0.21	0.09	-0.27	-5.08e-06	-3.53e-06	0.0
261	44	-0.15	-0.16	-0.27	-4.02e-06	-3.53e-06	0.0
261	47	-0.07	0.03	-0.27	-4.87e-06	-3.74e-06	0.0
261	57	0.10	0.04	-0.27	-3.74e-06	-2.48e-06	0.0
261	76	-0.07	-0.08	-0.27	-3.22e-06	-2.47e-06	0.0
261	89	0.21	0.09	-0.27	-5.08e-06	-3.53e-06	0.0
261	108	-0.15	-0.16	-0.27	-4.02e-06	-3.53e-06	0.0
261	111	1.02e-04	-4.77e-03	-0.19	-2.50e-06	-1.50e-06	0.0
261	112	1.02e-04	-4.77e-03	-0.27	-2.50e-06	-1.50e-06	0.0
261	115	1.02e-04	-4.77e-03	-0.19	-2.50e-06	-1.50e-06	0.0
261	116	1.02e-04	-4.77e-03	-0.27	-2.50e-06	-1.50e-06	0.0
261	119	1.02e-04	-4.77e-03	-0.19	-2.50e-06	-1.50e-06	0.0
261	120	1.02e-04	-4.77e-03	-0.27	-2.50e-06	-1.50e-06	0.0
261	123	1.02e-04	-4.77e-03	-0.19	-2.50e-06	-1.50e-06	0.0
261	124	1.02e-04	-4.77e-03	-0.27	-2.50e-06	-1.50e-06	0.0
262	4	-1.05e-03	-5.86e-03	-0.39	8.32e-05	6.55e-05	0.0
262	7	-1.05e-03	-5.86e-03	-0.21	8.32e-05	6.55e-05	0.0
262	12	-9.13e-04	-5.08e-03	-0.31	7.21e-05	5.68e-05	0.0
262	28	-0.14	-0.07	-0.28	5.37e-05	4.39e-05	0.0
262	30	0.06	-0.12	-0.28	5.72e-05	4.56e-05	0.0
262	44	-0.07	-0.14	-0.28	5.62e-05	4.57e-05	0.0
262	60	-0.07	-0.04	-0.28	5.46e-05	4.38e-05	0.0
262	62	0.03	-0.06	-0.28	5.63e-05	4.46e-05	0.0
262	76	-0.04	-0.07	-0.28	5.58e-05	4.47e-05	0.0
262	92	-0.14	-0.07	-0.28	5.37e-05	4.39e-05	0.0
262	108	-0.07	-0.14	-0.28	5.62e-05	4.57e-05	0.0
262	111	-7.02e-04	-3.91e-03	-0.20	5.55e-05	4.37e-05	0.0
262	112	-7.02e-04	-3.91e-03	-0.28	5.55e-05	4.37e-05	0.0

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262	115	-7.02e-04	-3.91e-03	-0.20	5.55e-05	4.37e-05	0.0
262	116	-7.02e-04	-3.91e-03	-0.28	5.55e-05	4.37e-05	0.0
262	119	-7.02e-04	-3.91e-03	-0.20	5.55e-05	4.37e-05	0.0
262	120	-7.02e-04	-3.91e-03	-0.28	5.55e-05	4.37e-05	0.0
262	123	-7.02e-04	-3.91e-03	-0.20	5.55e-05	4.37e-05	0.0
262	124	-7.02e-04	-3.91e-03	-0.28	5.55e-05	4.37e-05	0.0
263	4	-4.89e-04	-6.50e-03	-0.38	4.33e-05	3.34e-05	0.0
263	7	-4.89e-04	-6.50e-03	-0.20	4.33e-05	3.34e-05	0.0
263	12	-4.23e-04	-5.64e-03	-0.30	3.75e-05	2.89e-05	0.0
263	28	-0.15	-0.07	-0.27	2.77e-05	2.22e-05	0.0
263	30	0.07	-0.12	-0.28	3.04e-05	2.37e-05	0.0
263	44	-0.08	-0.14	-0.28	2.96e-05	2.37e-05	0.0
263	60	-0.07	-0.04	-0.27	2.83e-05	2.22e-05	0.0
263	62	0.03	-0.06	-0.28	2.96e-05	2.29e-05	0.0
263	76	-0.04	-0.07	-0.27	2.92e-05	2.29e-05	0.0
263	92	-0.15	-0.07	-0.27	2.77e-05	2.22e-05	0.0
263	108	-0.08	-0.14	-0.28	2.96e-05	2.37e-05	0.0
263	111	-3.26e-04	-4.34e-03	-0.19	2.88e-05	2.22e-05	0.0
263	112	-3.26e-04	-4.34e-03	-0.27	2.88e-05	2.22e-05	0.0
263	115	-3.26e-04	-4.34e-03	-0.19	2.88e-05	2.22e-05	0.0
263	116	-3.26e-04	-4.34e-03	-0.27	2.88e-05	2.22e-05	0.0
263	119	-3.26e-04	-4.34e-03	-0.19	2.88e-05	2.22e-05	0.0
263	120	-3.26e-04	-4.34e-03	-0.27	2.88e-05	2.22e-05	0.0
263	123	-3.26e-04	-4.34e-03	-0.19	2.88e-05	2.22e-05	0.0
263	124	-3.26e-04	-4.34e-03	-0.27	2.88e-05	2.22e-05	0.0
264	2	0.0	0.0	-0.37	0.0	0.0	0.0
264	4	-1.41e-04	-6.90e-03	-0.37	1.81e-05	1.37e-05	0.0
264	7	-1.41e-04	-6.90e-03	-0.20	1.81e-05	1.37e-05	0.0
264	10	0.0	0.0	-0.30	0.0	0.0	0.0
264	28	-0.16	-0.08	-0.27	1.14e-05	9.03e-06	0.0
264	30	0.08	-0.12	-0.27	1.36e-05	1.04e-05	0.0
264	44	-0.09	-0.15	-0.27	1.26e-05	1.00e-05	0.0
264	60	-0.07	-0.04	-0.27	1.17e-05	9.07e-06	0.0
264	62	0.04	-0.06	-0.27	1.28e-05	9.72e-06	0.0
264	76	-0.04	-0.07	-0.27	1.23e-05	9.54e-06	0.0
264	92	-0.16	-0.08	-0.27	1.14e-05	9.03e-06	0.0
264	108	-0.09	-0.15	-0.27	1.26e-05	1.00e-05	0.0
264	110	0.0	0.0	-0.27	0.0	0.0	0.0
264	111	-9.41e-05	-4.60e-03	-0.19	1.21e-05	9.11e-06	0.0
264	112	-9.41e-05	-4.60e-03	-0.27	1.21e-05	9.11e-06	0.0
264	114	0.0	0.0	-0.27	0.0	0.0	0.0
264	115	-9.41e-05	-4.60e-03	-0.19	1.21e-05	9.11e-06	0.0
264	116	-9.41e-05	-4.60e-03	-0.27	1.21e-05	9.11e-06	0.0
264	118	0.0	0.0	-0.27	0.0	0.0	0.0
264	119	-9.41e-05	-4.60e-03	-0.19	1.21e-05	9.11e-06	0.0
264	120	-9.41e-05	-4.60e-03	-0.27	1.21e-05	9.11e-06	0.0
264	122	0.0	0.0	-0.27	0.0	0.0	0.0
264	123	-9.41e-05	-4.60e-03	-0.19	1.21e-05	9.11e-06	0.0
264	124	-9.41e-05	-4.60e-03	-0.27	1.21e-05	9.11e-06	0.0
265	2	0.0	0.0	-0.37	0.0	0.0	0.0
265	7	5.06e-05	-7.11e-03	-0.20	4.07e-06	2.90e-06	0.0
265	10	0.0	0.0	-0.30	0.0	0.0	0.0
265	25	0.16	0.08	-0.27	2.99e-06	2.02e-06	0.0
265	30	0.08	-0.12	-0.27	4.43e-06	3.30e-06	0.0
265	44	-0.10	-0.15	-0.27	2.88e-06	2.33e-06	0.0
265	57	0.08	0.03	-0.27	2.85e-06	1.98e-06	0.0
265	62	0.04	-0.06	-0.27	3.53e-06	2.59e-06	0.0
265	76	-0.05	-0.08	-0.27	2.79e-06	2.12e-06	0.0
265	89	0.16	0.08	-0.27	2.99e-06	2.02e-06	0.0
265	108	-0.10	-0.15	-0.27	2.88e-06	2.33e-06	0.0
265	110	0.0	0.0	-0.27	0.0	0.0	0.0
265	111	3.37e-05	-4.74e-03	-0.19	2.71e-06	1.93e-06	0.0
265	114	0.0	0.0	-0.27	0.0	0.0	0.0
265	115	3.37e-05	-4.74e-03	-0.19	2.71e-06	1.93e-06	0.0
265	118	0.0	0.0	-0.27	0.0	0.0	0.0

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265	119	3.37e-05	-4.74e-03	-0.19	2.71e-06	1.93e-06	0.0
265	122	0.0	0.0	-0.27	0.0	0.0	0.0
265	123	3.37e-05	-4.74e-03	-0.19	2.71e-06	1.93e-06	0.0
266	2	0.0	0.0	-0.37	0.0	0.0	0.0
266	4	1.42e-04	-7.19e-03	-0.37	-2.55e-06	-2.11e-06	0.0
266	7	1.42e-04	-7.19e-03	-0.20	-2.55e-06	-2.11e-06	0.0
266	10	0.0	0.0	-0.30	0.0	0.0	0.0
266	25	0.17	0.08	-0.27	-2.11e-06	-1.79e-06	0.0
266	43	0.01	0.12	-0.27	-1.20e-06	-1.00e-06	0.0
266	44	-0.10	-0.16	-0.27	-1.89e-06	-1.53e-06	0.0
266	57	0.08	0.04	-0.27	-1.90e-06	-1.59e-06	0.0
266	75	6.94e-03	0.06	-0.27	-1.46e-06	-1.21e-06	0.0
266	76	-0.05	-0.08	-0.27	-1.79e-06	-1.47e-06	0.0
266	89	0.17	0.08	-0.27	-2.11e-06	-1.79e-06	0.0
266	108	-0.10	-0.16	-0.27	-1.89e-06	-1.53e-06	0.0
266	110	0.0	0.0	-0.27	0.0	0.0	0.0
266	111	9.49e-05	-4.79e-03	-0.19	-1.70e-06	-1.41e-06	0.0
266	112	9.49e-05	-4.79e-03	-0.27	-1.70e-06	-1.41e-06	0.0
266	114	0.0	0.0	-0.27	0.0	0.0	0.0
266	115	9.49e-05	-4.79e-03	-0.19	-1.70e-06	-1.41e-06	0.0
266	116	9.49e-05	-4.79e-03	-0.27	-1.70e-06	-1.41e-06	0.0
266	118	0.0	0.0	-0.27	0.0	0.0	0.0
266	119	9.49e-05	-4.79e-03	-0.19	-1.70e-06	-1.41e-06	0.0
266	120	9.49e-05	-4.79e-03	-0.27	-1.70e-06	-1.41e-06	0.0
266	122	0.0	0.0	-0.27	0.0	0.0	0.0
266	123	9.49e-05	-4.79e-03	-0.19	-1.70e-06	-1.41e-06	0.0
266	124	9.49e-05	-4.79e-03	-0.27	-1.70e-06	-1.41e-06	0.0
267	2	0.0	0.0	-0.37	0.0	0.0	0.0
267	4	1.77e-04	-7.20e-03	-0.37	-4.82e-06	-3.82e-06	0.0
267	7	1.77e-04	-7.20e-03	-0.20	-4.82e-06	-3.82e-06	0.0
267	10	0.0	0.0	-0.30	0.0	0.0	0.0
267	15	-0.12	0.07	-0.27	-5.90e-06	-4.68e-06	0.0
267	25	0.17	0.09	-0.27	-4.11e-06	-3.25e-06	0.0
267	44	-0.11	-0.16	-0.27	-3.84e-06	-3.11e-06	0.0
267	47	-0.06	0.03	-0.27	-4.50e-06	-3.56e-06	0.0
267	57	0.08	0.04	-0.27	-3.64e-06	-2.88e-06	0.0
267	76	-0.05	-0.08	-0.27	-3.51e-06	-2.82e-06	0.0
267	89	0.17	0.09	-0.27	-4.11e-06	-3.25e-06	0.0
267	108	-0.11	-0.16	-0.27	-3.84e-06	-3.11e-06	0.0
267	110	0.0	0.0	-0.27	0.0	0.0	0.0
267	111	1.18e-04	-4.80e-03	-0.19	-3.21e-06	-2.55e-06	0.0
267	112	1.18e-04	-4.80e-03	-0.27	-3.21e-06	-2.55e-06	0.0
267	114	0.0	0.0	-0.27	0.0	0.0	0.0
267	115	1.18e-04	-4.80e-03	-0.19	-3.21e-06	-2.55e-06	0.0
267	116	1.18e-04	-4.80e-03	-0.27	-3.21e-06	-2.55e-06	0.0
267	118	0.0	0.0	-0.27	0.0	0.0	0.0
267	119	1.18e-04	-4.80e-03	-0.19	-3.21e-06	-2.55e-06	0.0
267	120	1.18e-04	-4.80e-03	-0.27	-3.21e-06	-2.55e-06	0.0
267	122	0.0	0.0	-0.27	0.0	0.0	0.0
267	123	1.18e-04	-4.80e-03	-0.19	-3.21e-06	-2.55e-06	0.0
267	124	1.18e-04	-4.80e-03	-0.27	-3.21e-06	-2.55e-06	0.0
268	2	0.0	0.0	-0.37	0.0	0.0	0.0
268	4	1.84e-04	-7.18e-03	-0.37	-4.94e-06	-3.93e-06	0.0
268	7	1.84e-04	-7.18e-03	-0.20	-4.94e-06	-3.93e-06	0.0
268	10	0.0	0.0	-0.30	0.0	0.0	0.0
268	15	-0.12	0.08	-0.27	-6.80e-06	-5.55e-06	0.0
268	25	0.18	0.09	-0.27	-4.77e-06	-3.72e-06	0.0
268	44	-0.12	-0.17	-0.27	-4.34e-06	-3.69e-06	0.0
268	47	-0.06	0.03	-0.27	-4.97e-06	-4.02e-06	0.0
268	57	0.09	0.04	-0.27	-4.00e-06	-3.15e-06	0.0
268	76	-0.06	-0.08	-0.27	-3.79e-06	-3.13e-06	0.0
268	89	0.18	0.09	-0.27	-4.77e-06	-3.72e-06	0.0
268	108	-0.12	-0.17	-0.27	-4.34e-06	-3.69e-06	0.0
268	110	0.0	0.0	-0.27	0.0	0.0	0.0
268	111	1.23e-04	-4.79e-03	-0.19	-3.29e-06	-2.62e-06	0.0

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268	112	1.23e-04	-4.79e-03	-0.27	-3.29e-06	-2.62e-06	0.0
268	114	0.0	0.0	-0.27	0.0	0.0	0.0
268	115	1.23e-04	-4.79e-03	-0.19	-3.29e-06	-2.62e-06	0.0
268	116	1.23e-04	-4.79e-03	-0.27	-3.29e-06	-2.62e-06	0.0
268	118	0.0	0.0	-0.27	0.0	0.0	0.0
268	119	1.23e-04	-4.79e-03	-0.19	-3.29e-06	-2.62e-06	0.0
268	120	1.23e-04	-4.79e-03	-0.27	-3.29e-06	-2.62e-06	0.0
268	122	0.0	0.0	-0.27	0.0	0.0	0.0
268	123	1.23e-04	-4.79e-03	-0.19	-3.29e-06	-2.62e-06	0.0
268	124	1.23e-04	-4.79e-03	-0.27	-3.29e-06	-2.62e-06	0.0
269	2	0.0	0.0	-0.37	0.0	0.0	0.0
269	4	1.82e-04	-7.16e-03	-0.37	-4.32e-06	-3.51e-06	0.0
269	7	1.82e-04	-7.16e-03	-0.20	-4.32e-06	-3.51e-06	0.0
269	10	0.0	0.0	-0.30	0.0	0.0	0.0
269	15	-0.13	0.08	-0.27	-7.31e-06	-6.17e-06	0.0
269	25	0.19	0.10	-0.27	-4.96e-06	-3.86e-06	0.0
269	44	-0.13	-0.17	-0.27	-4.30e-06	-3.93e-06	0.0
269	47	-0.06	0.04	-0.27	-4.99e-06	-4.17e-06	0.0
269	57	0.09	0.04	-0.27	-3.88e-06	-3.07e-06	0.0
269	76	-0.06	-0.08	-0.27	-3.56e-06	-3.10e-06	0.0
269	89	0.19	0.10	-0.27	-4.96e-06	-3.86e-06	0.0
269	108	-0.13	-0.17	-0.27	-4.30e-06	-3.93e-06	0.0
269	110	0.0	0.0	-0.27	0.0	0.0	0.0
269	111	1.21e-04	-4.77e-03	-0.19	-2.88e-06	-2.34e-06	0.0
269	112	1.21e-04	-4.77e-03	-0.27	-2.88e-06	-2.34e-06	0.0
269	114	0.0	0.0	-0.27	0.0	0.0	0.0
269	115	1.21e-04	-4.77e-03	-0.19	-2.88e-06	-2.34e-06	0.0
269	116	1.21e-04	-4.77e-03	-0.27	-2.88e-06	-2.34e-06	0.0
269	118	0.0	0.0	-0.27	0.0	0.0	0.0
269	119	1.21e-04	-4.77e-03	-0.19	-2.88e-06	-2.34e-06	0.0
269	120	1.21e-04	-4.77e-03	-0.27	-2.88e-06	-2.34e-06	0.0
269	122	0.0	0.0	-0.27	0.0	0.0	0.0
269	123	1.21e-04	-4.77e-03	-0.19	-2.88e-06	-2.34e-06	0.0
269	124	1.21e-04	-4.77e-03	-0.27	-2.88e-06	-2.34e-06	0.0
270	2	0.0	0.0	-0.37	0.0	0.0	0.0
270	4	1.82e-04	-7.13e-03	-0.37	-3.73e-06	-3.13e-06	0.0
270	7	1.82e-04	-7.13e-03	-0.20	-3.73e-06	-3.13e-06	0.0
270	10	0.0	0.0	-0.30	0.0	0.0	0.0
270	15	-0.13	0.09	-0.27	-7.71e-06	-6.76e-06	0.0
270	25	0.20	0.10	-0.27	-5.10e-06	-3.97e-06	0.0
270	44	-0.14	-0.18	-0.27	-4.16e-06	-4.18e-06	0.0
270	47	-0.06	0.04	-0.27	-4.98e-06	-4.32e-06	0.0
270	57	0.09	0.05	-0.27	-3.74e-06	-2.99e-06	0.0
270	76	-0.06	-0.09	-0.27	-3.28e-06	-3.09e-06	0.0
270	89	0.20	0.10	-0.27	-5.10e-06	-3.97e-06	0.0
270	108	-0.14	-0.18	-0.27	-4.16e-06	-4.18e-06	0.0
270	110	0.0	0.0	-0.27	0.0	0.0	0.0
270	111	1.21e-04	-4.75e-03	-0.19	-2.48e-06	-2.09e-06	0.0
270	112	1.21e-04	-4.75e-03	-0.27	-2.48e-06	-2.09e-06	0.0
270	114	0.0	0.0	-0.27	0.0	0.0	0.0
270	115	1.21e-04	-4.75e-03	-0.19	-2.48e-06	-2.09e-06	0.0
270	116	1.21e-04	-4.75e-03	-0.27	-2.48e-06	-2.09e-06	0.0
270	118	0.0	0.0	-0.27	0.0	0.0	0.0
270	119	1.21e-04	-4.75e-03	-0.19	-2.48e-06	-2.09e-06	0.0
270	120	1.21e-04	-4.75e-03	-0.27	-2.48e-06	-2.09e-06	0.0
270	122	0.0	0.0	-0.27	0.0	0.0	0.0
270	123	1.21e-04	-4.75e-03	-0.19	-2.48e-06	-2.09e-06	0.0
270	124	1.21e-04	-4.75e-03	-0.27	-2.48e-06	-2.09e-06	0.0
271	4	1.86e-04	-7.12e-03	-0.37	-3.40e-06	-2.95e-06	0.0
271	7	1.86e-04	-7.12e-03	-0.20	-3.40e-06	-2.95e-06	0.0
271	12	1.61e-04	-6.17e-03	-0.30	-2.95e-06	-2.56e-06	0.0
271	15	-0.14	0.09	-0.28	-7.78e-06	-7.10e-06	0.0
271	25	0.20	0.11	-0.27	-5.12e-06	-4.00e-06	0.0
271	44	-0.14	-0.18	-0.27	-3.99e-06	-4.40e-06	0.0
271	47	-0.06	0.04	-0.27	-4.90e-06	-4.42e-06	0.0

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271	57	0.10	0.05	-0.27	-3.64e-06	-2.94e-06	0.0
271	76	-0.07	-0.09	-0.27	-3.09e-06	-3.14e-06	0.0
271	89	0.20	0.11	-0.27	-5.12e-06	-4.00e-06	0.0
271	108	-0.14	-0.18	-0.27	-3.99e-06	-4.40e-06	0.0
271	111	1.24e-04	-4.74e-03	-0.19	-2.27e-06	-1.97e-06	0.0
271	112	1.24e-04	-4.74e-03	-0.27	-2.27e-06	-1.97e-06	0.0
271	115	1.24e-04	-4.74e-03	-0.19	-2.27e-06	-1.97e-06	0.0
271	116	1.24e-04	-4.74e-03	-0.27	-2.27e-06	-1.97e-06	0.0
271	119	1.24e-04	-4.74e-03	-0.19	-2.27e-06	-1.97e-06	0.0
271	120	1.24e-04	-4.74e-03	-0.27	-2.27e-06	-1.97e-06	0.0
271	123	1.24e-04	-4.74e-03	-0.19	-2.27e-06	-1.97e-06	0.0
271	124	1.24e-04	-4.74e-03	-0.27	-2.27e-06	-1.97e-06	0.0
272	4	-9.00e-04	-6.28e-03	-0.38	5.65e-05	5.71e-05	0.0
272	7	-9.00e-04	-6.28e-03	-0.21	5.65e-05	5.71e-05	0.0
272	12	-7.80e-04	-5.44e-03	-0.31	4.89e-05	4.94e-05	0.0
272	14	0.11	-0.07	-0.28	3.96e-05	3.92e-05	0.0
272	28	-0.14	-0.08	-0.28	3.59e-05	3.77e-05	0.0
272	44	-0.07	-0.15	-0.28	3.80e-05	3.97e-05	0.0
272	46	0.05	-0.03	-0.28	3.86e-05	3.86e-05	0.0
272	60	-0.07	-0.04	-0.28	3.68e-05	3.79e-05	0.0
272	76	-0.04	-0.07	-0.28	3.78e-05	3.88e-05	0.0
272	92	-0.14	-0.08	-0.28	3.59e-05	3.77e-05	0.0
272	108	-0.07	-0.15	-0.28	3.80e-05	3.97e-05	0.0
272	111	-6.00e-04	-4.19e-03	-0.20	3.77e-05	3.80e-05	0.0
272	112	-6.00e-04	-4.19e-03	-0.28	3.77e-05	3.80e-05	0.0
272	115	-6.00e-04	-4.19e-03	-0.20	3.77e-05	3.80e-05	0.0
272	116	-6.00e-04	-4.19e-03	-0.28	3.77e-05	3.80e-05	0.0
272	119	-6.00e-04	-4.19e-03	-0.20	3.77e-05	3.80e-05	0.0
272	120	-6.00e-04	-4.19e-03	-0.28	3.77e-05	3.80e-05	0.0
272	123	-6.00e-04	-4.19e-03	-0.20	3.77e-05	3.80e-05	0.0
272	124	-6.00e-04	-4.19e-03	-0.28	3.77e-05	3.80e-05	0.0
273	4	-3.93e-04	-6.73e-03	-0.37	2.81e-05	2.82e-05	0.0
273	7	-3.93e-04	-6.73e-03	-0.20	2.81e-05	2.82e-05	0.0
273	12	-3.41e-04	-5.83e-03	-0.30	2.43e-05	2.45e-05	0.0
273	14	0.11	-0.07	-0.27	2.04e-05	2.00e-05	0.0
273	28	-0.15	-0.08	-0.27	1.75e-05	1.85e-05	0.0
273	44	-0.08	-0.15	-0.27	1.91e-05	2.00e-05	0.0
273	46	0.05	-0.04	-0.27	1.95e-05	1.94e-05	0.0
273	60	-0.07	-0.04	-0.27	1.82e-05	1.87e-05	0.0
273	76	-0.04	-0.07	-0.27	1.89e-05	1.94e-05	0.0
273	92	-0.15	-0.08	-0.27	1.75e-05	1.85e-05	0.0
273	108	-0.08	-0.15	-0.27	1.91e-05	2.00e-05	0.0
273	111	-2.62e-04	-4.48e-03	-0.19	1.87e-05	1.88e-05	0.0
273	112	-2.62e-04	-4.48e-03	-0.27	1.87e-05	1.88e-05	0.0
273	115	-2.62e-04	-4.48e-03	-0.19	1.87e-05	1.88e-05	0.0
273	116	-2.62e-04	-4.48e-03	-0.27	1.87e-05	1.88e-05	0.0
273	119	-2.62e-04	-4.48e-03	-0.19	1.87e-05	1.88e-05	0.0
273	120	-2.62e-04	-4.48e-03	-0.27	1.87e-05	1.88e-05	0.0
273	123	-2.62e-04	-4.48e-03	-0.19	1.87e-05	1.88e-05	0.0
273	124	-2.62e-04	-4.48e-03	-0.27	1.87e-05	1.88e-05	0.0
274	2	0.0	0.0	-0.37	0.0	0.0	0.0
274	4	-8.24e-05	-6.99e-03	-0.37	1.07e-05	1.07e-05	0.0
274	7	-8.24e-05	-6.99e-03	-0.20	1.07e-05	1.07e-05	0.0
274	10	0.0	0.0	-0.30	0.0	0.0	0.0
274	28	-0.15	-0.09	-0.27	6.46e-06	6.89e-06	0.0
274	30	0.07	-0.12	-0.27	8.42e-06	8.65e-06	0.0
274	44	-0.09	-0.16	-0.27	7.35e-06	7.75e-06	0.0
274	60	-0.07	-0.05	-0.27	6.81e-06	7.00e-06	0.0
274	62	0.04	-0.06	-0.27	7.75e-06	7.84e-06	0.0
274	76	-0.04	-0.08	-0.27	7.24e-06	7.41e-06	0.0
274	92	-0.15	-0.09	-0.27	6.46e-06	6.89e-06	0.0
274	108	-0.09	-0.16	-0.27	7.35e-06	7.75e-06	0.0
274	110	0.0	0.0	-0.27	0.0	0.0	0.0
274	111	-5.49e-05	-4.66e-03	-0.19	7.14e-06	7.10e-06	0.0
274	112	-5.49e-05	-4.66e-03	-0.27	7.14e-06	7.10e-06	0.0

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274	114	0.0	0.0	-0.27	0.0	0.0	0.0
274	115	-5.49e-05	-4.66e-03	-0.19	7.14e-06	7.10e-06	0.0
274	116	-5.49e-05	-4.66e-03	-0.27	7.14e-06	7.10e-06	0.0
274	118	0.0	0.0	-0.27	0.0	0.0	0.0
274	119	-5.49e-05	-4.66e-03	-0.19	7.14e-06	7.10e-06	0.0
274	120	-5.49e-05	-4.66e-03	-0.27	7.14e-06	7.10e-06	0.0
274	122	0.0	0.0	-0.27	0.0	0.0	0.0
274	123	-5.49e-05	-4.66e-03	-0.19	7.14e-06	7.10e-06	0.0
274	124	-5.49e-05	-4.66e-03	-0.27	7.14e-06	7.10e-06	0.0
275	2	0.0	0.0	-0.37	0.0	0.0	0.0
275	7	8.85e-05	-7.12e-03	-0.20	1.27e-06	1.10e-06	0.0
275	10	0.0	0.0	-0.30	0.0	0.0	0.0
275	25	0.16	0.09	-0.27	1.08e-06	0.0	0.0
275	30	0.08	-0.12	-0.27	2.41e-06	2.45e-06	0.0
275	44	-0.09	-0.16	-0.27	0.0	0.0	0.0
275	57	0.08	0.04	-0.27	0.0	0.0	0.0
275	62	0.04	-0.06	-0.27	1.59e-06	1.55e-06	0.0
275	76	-0.04	-0.08	-0.27	0.0	0.0	0.0
275	89	0.16	0.09	-0.27	1.08e-06	0.0	0.0
275	108	-0.09	-0.16	-0.27	0.0	0.0	0.0
275	110	0.0	0.0	-0.27	0.0	0.0	0.0
275	111	5.90e-05	-4.74e-03	-0.19	0.0	0.0	0.0
275	114	0.0	0.0	-0.27	0.0	0.0	0.0
275	115	5.90e-05	-4.74e-03	-0.19	0.0	0.0	0.0
275	118	0.0	0.0	-0.27	0.0	0.0	0.0
275	119	5.90e-05	-4.74e-03	-0.19	0.0	0.0	0.0
275	122	0.0	0.0	-0.27	0.0	0.0	0.0
275	123	5.90e-05	-4.74e-03	-0.19	0.0	0.0	0.0
276	2	0.0	0.0	-0.37	0.0	0.0	0.0
276	7	1.69e-04	-7.16e-03	-0.20	-3.02e-06	-3.27e-06	0.0
276	10	0.0	0.0	-0.30	0.0	0.0	0.0
276	25	0.16	0.09	-0.27	-2.39e-06	-2.59e-06	0.0
276	27	-0.13	-0.01	-0.27	-1.29e-06	-1.44e-06	0.0
276	44	-0.10	-0.17	-0.27	-2.42e-06	-2.56e-06	0.0
276	57	0.08	0.04	-0.27	-2.19e-06	-2.38e-06	0.0
276	59	-0.06	-9.48e-03	-0.27	-1.67e-06	-1.82e-06	0.0
276	76	-0.05	-0.08	-0.27	-2.21e-06	-2.36e-06	0.0
276	89	0.16	0.09	-0.27	-2.39e-06	-2.59e-06	0.0
276	108	-0.10	-0.17	-0.27	-2.42e-06	-2.56e-06	0.0
276	110	0.0	0.0	-0.27	0.0	0.0	0.0
276	111	1.13e-04	-4.77e-03	-0.19	-2.01e-06	-2.18e-06	0.0
276	114	0.0	0.0	-0.27	0.0	0.0	0.0
276	115	1.13e-04	-4.77e-03	-0.19	-2.01e-06	-2.18e-06	0.0
276	118	0.0	0.0	-0.27	0.0	0.0	0.0
276	119	1.13e-04	-4.77e-03	-0.19	-2.01e-06	-2.18e-06	0.0
276	122	0.0	0.0	-0.27	0.0	0.0	0.0
276	123	1.13e-04	-4.77e-03	-0.19	-2.01e-06	-2.18e-06	0.0
277	2	0.0	0.0	-0.37	0.0	0.0	0.0
277	4	1.98e-04	-7.16e-03	-0.37	-4.35e-06	-4.67e-06	0.0
277	10	0.0	0.0	-0.30	0.0	0.0	0.0
277	15	-0.12	0.08	-0.27	-5.62e-06	-5.74e-06	0.0
277	25	0.17	0.10	-0.27	-3.77e-06	-3.90e-06	0.0
277	44	-0.10	-0.17	-0.27	-3.69e-06	-3.98e-06	0.0
277	47	-0.06	0.04	-0.27	-4.20e-06	-4.37e-06	0.0
277	57	0.08	0.05	-0.27	-3.32e-06	-3.49e-06	0.0
277	76	-0.05	-0.09	-0.27	-3.28e-06	-3.53e-06	0.0
277	89	0.17	0.10	-0.27	-3.77e-06	-3.90e-06	0.0
277	108	-0.10	-0.17	-0.27	-3.69e-06	-3.98e-06	0.0
277	110	0.0	0.0	-0.27	0.0	0.0	0.0
277	112	1.32e-04	-4.77e-03	-0.27	-2.90e-06	-3.11e-06	0.0
277	114	0.0	0.0	-0.27	0.0	0.0	0.0
277	116	1.32e-04	-4.77e-03	-0.27	-2.90e-06	-3.11e-06	0.0
277	118	0.0	0.0	-0.27	0.0	0.0	0.0
277	120	1.32e-04	-4.77e-03	-0.27	-2.90e-06	-3.11e-06	0.0
277	122	0.0	0.0	-0.27	0.0	0.0	0.0

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277	124	1.32e-04	-4.77e-03	-0.27	-2.90e-06	-3.11e-06	0.0
278	2	0.0	0.0	-0.37	0.0	0.0	0.0
278	4	2.03e-04	-7.13e-03	-0.37	-4.26e-06	-4.64e-06	0.0
278	10	0.0	0.0	-0.30	0.0	0.0	0.0
278	15	-0.12	0.09	-0.27	-6.37e-06	-6.53e-06	0.0
278	25	0.17	0.11	-0.27	-4.25e-06	-4.29e-06	0.0
278	44	-0.11	-0.18	-0.27	-4.03e-06	-4.51e-06	0.0
278	47	-0.06	0.04	-0.27	-4.52e-06	-4.74e-06	0.0
278	57	0.08	0.05	-0.27	-3.52e-06	-3.67e-06	0.0
278	76	-0.05	-0.09	-0.27	-3.41e-06	-3.77e-06	0.0
278	89	0.17	0.11	-0.27	-4.25e-06	-4.29e-06	0.0
278	108	-0.11	-0.18	-0.27	-4.03e-06	-4.51e-06	0.0
278	110	0.0	0.0	-0.27	0.0	0.0	0.0
278	112	1.36e-04	-4.76e-03	-0.27	-2.84e-06	-3.09e-06	0.0
278	114	0.0	0.0	-0.27	0.0	0.0	0.0
278	116	1.36e-04	-4.76e-03	-0.27	-2.84e-06	-3.09e-06	0.0
278	118	0.0	0.0	-0.27	0.0	0.0	0.0
278	120	1.36e-04	-4.76e-03	-0.27	-2.84e-06	-3.09e-06	0.0
278	122	0.0	0.0	-0.27	0.0	0.0	0.0
278	124	1.36e-04	-4.76e-03	-0.27	-2.84e-06	-3.09e-06	0.0
279	2	0.0	0.0	-0.37	0.0	0.0	0.0
279	4	2.01e-04	-7.11e-03	-0.37	-3.71e-06	-4.17e-06	0.0
279	10	0.0	0.0	-0.30	0.0	0.0	0.0
279	25	0.18	0.11	-0.27	-4.44e-06	-4.35e-06	0.0
279	31	-0.10	0.12	-0.27	-6.79e-06	-7.22e-06	0.0
279	44	-0.12	-0.18	-0.27	-4.04e-06	-4.75e-06	0.0
279	57	0.09	0.05	-0.27	-3.42e-06	-3.53e-06	0.0
279	63	-0.05	0.05	-0.27	-4.54e-06	-4.90e-06	0.0
279	76	-0.06	-0.09	-0.27	-3.22e-06	-3.73e-06	0.0
279	89	0.18	0.11	-0.27	-4.44e-06	-4.35e-06	0.0
279	108	-0.12	-0.18	-0.27	-4.04e-06	-4.75e-06	0.0
279	110	0.0	0.0	-0.27	0.0	0.0	0.0
279	112	1.34e-04	-4.74e-03	-0.27	-2.47e-06	-2.78e-06	0.0
279	114	0.0	0.0	-0.27	0.0	0.0	0.0
279	116	1.34e-04	-4.74e-03	-0.27	-2.47e-06	-2.78e-06	0.0
279	118	0.0	0.0	-0.27	0.0	0.0	0.0
279	120	1.34e-04	-4.74e-03	-0.27	-2.47e-06	-2.78e-06	0.0
279	122	0.0	0.0	-0.27	0.0	0.0	0.0
279	124	1.34e-04	-4.74e-03	-0.27	-2.47e-06	-2.78e-06	0.0
280	2	0.0	0.0	-0.37	0.0	0.0	0.0
280	4	2.01e-04	-7.08e-03	-0.37	-3.22e-06	-3.78e-06	0.0
280	10	0.0	0.0	-0.30	0.0	0.0	0.0
280	25	0.18	0.12	-0.27	-4.63e-06	-4.37e-06	0.0
280	31	-0.10	0.12	-0.28	-7.23e-06	-7.74e-06	0.0
280	44	-0.12	-0.19	-0.27	-4.00e-06	-5.00e-06	0.0
280	57	0.09	0.05	-0.27	-3.34e-06	-3.41e-06	0.0
280	63	-0.05	0.06	-0.27	-4.58e-06	-5.02e-06	0.0
280	76	-0.06	-0.09	-0.27	-3.04e-06	-3.71e-06	0.0
280	89	0.18	0.12	-0.27	-4.63e-06	-4.37e-06	0.0
280	108	-0.12	-0.19	-0.27	-4.00e-06	-5.00e-06	0.0
280	110	0.0	0.0	-0.27	0.0	0.0	0.0
280	112	1.34e-04	-4.72e-03	-0.27	-2.15e-06	-2.52e-06	0.0
280	114	0.0	0.0	-0.27	0.0	0.0	0.0
280	116	1.34e-04	-4.72e-03	-0.27	-2.15e-06	-2.52e-06	0.0
280	118	0.0	0.0	-0.27	0.0	0.0	0.0
280	120	1.34e-04	-4.72e-03	-0.27	-2.15e-06	-2.52e-06	0.0
280	122	0.0	0.0	-0.27	0.0	0.0	0.0
280	124	1.34e-04	-4.72e-03	-0.27	-2.15e-06	-2.52e-06	0.0
281	4	2.04e-04	-7.06e-03	-0.37	-2.94e-06	-3.59e-06	0.0
281	12	1.77e-04	-6.12e-03	-0.30	-2.55e-06	-3.11e-06	0.0
281	25	0.19	0.12	-0.27	-4.73e-06	-4.32e-06	0.0
281	31	-0.11	0.12	-0.28	-7.38e-06	-7.98e-06	0.0
281	44	-0.13	-0.19	-0.27	-3.89e-06	-5.16e-06	0.0
281	57	0.09	0.06	-0.27	-3.29e-06	-3.32e-06	0.0
281	63	-0.05	0.06	-0.27	-4.55e-06	-5.06e-06	0.0

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281	76	-0.06	-0.10	-0.27	-2.89e-06	-3.72e-06	0.0
281	89	0.19	0.12	-0.27	-4.73e-06	-4.32e-06	0.0
281	108	-0.13	-0.19	-0.27	-3.89e-06	-5.16e-06	0.0
281	112	1.36e-04	-4.71e-03	-0.27	-1.96e-06	-2.39e-06	0.0
281	116	1.36e-04	-4.71e-03	-0.27	-1.96e-06	-2.39e-06	0.0
281	120	1.36e-04	-4.71e-03	-0.27	-1.96e-06	-2.39e-06	0.0
281	124	1.36e-04	-4.71e-03	-0.27	-1.96e-06	-2.39e-06	0.0
282	4	-1.37e-03	-6.15e-03	-0.39	6.42e-05	8.35e-05	0.0
282	7	-1.37e-03	-6.15e-03	-0.21	6.42e-05	8.35e-05	0.0
282	12	-1.18e-03	-5.33e-03	-0.31	5.57e-05	7.24e-05	0.0
282	14	0.11	-0.07	-0.28	4.48e-05	5.74e-05	0.0
282	28	-0.14	-0.08	-0.28	4.07e-05	5.49e-05	0.0
282	44	-0.07	-0.15	-0.28	4.26e-05	5.74e-05	0.0
282	46	0.05	-0.04	-0.28	4.38e-05	5.65e-05	0.0
282	60	-0.07	-0.04	-0.28	4.18e-05	5.53e-05	0.0
282	76	-0.03	-0.07	-0.28	4.27e-05	5.65e-05	0.0
282	92	-0.14	-0.08	-0.28	4.07e-05	5.49e-05	0.0
282	108	-0.07	-0.15	-0.28	4.26e-05	5.74e-05	0.0
282	111	-9.10e-04	-4.10e-03	-0.20	4.28e-05	5.57e-05	0.0
282	112	-9.10e-04	-4.10e-03	-0.28	4.28e-05	5.57e-05	0.0
282	115	-9.10e-04	-4.10e-03	-0.20	4.28e-05	5.57e-05	0.0
282	116	-9.10e-04	-4.10e-03	-0.28	4.28e-05	5.57e-05	0.0
282	119	-9.10e-04	-4.10e-03	-0.20	4.28e-05	5.57e-05	0.0
282	120	-9.10e-04	-4.10e-03	-0.28	4.28e-05	5.57e-05	0.0
282	123	-9.10e-04	-4.10e-03	-0.20	4.28e-05	5.57e-05	0.0
282	124	-9.10e-04	-4.10e-03	-0.28	4.28e-05	5.57e-05	0.0
283	4	-6.58e-04	-6.64e-03	-0.38	3.28e-05	4.32e-05	0.0
283	7	-6.58e-04	-6.64e-03	-0.20	3.28e-05	4.32e-05	0.0
283	12	-5.70e-04	-5.75e-03	-0.30	2.84e-05	3.74e-05	0.0
283	14	0.11	-0.08	-0.28	2.34e-05	3.04e-05	0.0
283	28	-0.14	-0.09	-0.27	2.04e-05	2.81e-05	0.0
283	44	-0.07	-0.15	-0.27	2.19e-05	2.99e-05	0.0
283	46	0.05	-0.04	-0.28	2.26e-05	2.95e-05	0.0
283	60	-0.07	-0.04	-0.27	2.12e-05	2.84e-05	0.0
283	76	-0.03	-0.08	-0.27	2.19e-05	2.93e-05	0.0
283	92	-0.14	-0.09	-0.27	2.04e-05	2.81e-05	0.0
283	108	-0.07	-0.15	-0.27	2.19e-05	2.99e-05	0.0
283	111	-4.39e-04	-4.42e-03	-0.19	2.19e-05	2.88e-05	0.0
283	112	-4.39e-04	-4.42e-03	-0.27	2.19e-05	2.88e-05	0.0
283	115	-4.39e-04	-4.42e-03	-0.19	2.19e-05	2.88e-05	0.0
283	116	-4.39e-04	-4.42e-03	-0.27	2.19e-05	2.88e-05	0.0
283	119	-4.39e-04	-4.42e-03	-0.19	2.19e-05	2.88e-05	0.0
283	120	-4.39e-04	-4.42e-03	-0.27	2.19e-05	2.88e-05	0.0
283	123	-4.39e-04	-4.42e-03	-0.19	2.19e-05	2.88e-05	0.0
283	124	-4.39e-04	-4.42e-03	-0.27	2.19e-05	2.88e-05	0.0
284	2	0.0	0.0	-0.37	0.0	0.0	0.0
284	4	-2.13e-04	-6.92e-03	-0.37	1.35e-05	1.79e-05	0.0
284	7	-2.13e-04	-6.92e-03	-0.20	1.35e-05	1.79e-05	0.0
284	10	0.0	0.0	-0.30	0.0	0.0	0.0
284	14	0.11	-0.08	-0.27	1.03e-05	1.35e-05	0.0
284	28	-0.14	-0.09	-0.27	8.08e-06	1.14e-05	0.0
284	44	-0.08	-0.16	-0.27	9.09e-06	1.26e-05	0.0
284	46	0.05	-0.04	-0.27	9.64e-06	1.27e-05	0.0
284	60	-0.07	-0.05	-0.27	8.57e-06	1.17e-05	0.0
284	76	-0.04	-0.08	-0.27	9.05e-06	1.22e-05	0.0
284	92	-0.14	-0.09	-0.27	8.08e-06	1.14e-05	0.0
284	108	-0.08	-0.16	-0.27	9.09e-06	1.26e-05	0.0
284	110	0.0	0.0	-0.27	0.0	0.0	0.0
284	111	-1.42e-04	-4.62e-03	-0.19	9.02e-06	1.19e-05	0.0
284	112	-1.42e-04	-4.62e-03	-0.27	9.02e-06	1.19e-05	0.0
284	114	0.0	0.0	-0.27	0.0	0.0	0.0
284	115	-1.42e-04	-4.62e-03	-0.19	9.02e-06	1.19e-05	0.0
284	116	-1.42e-04	-4.62e-03	-0.27	9.02e-06	1.19e-05	0.0
284	118	0.0	0.0	-0.27	0.0	0.0	0.0
284	119	-1.42e-04	-4.62e-03	-0.19	9.02e-06	1.19e-05	0.0

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284	120	-1.42e-04	-4.62e-03	-0.27	9.02e-06	1.19e-05	0.0
284	122	0.0	0.0	-0.27	0.0	0.0	0.0
284	123	-1.42e-04	-4.62e-03	-0.19	9.02e-06	1.19e-05	0.0
284	124	-1.42e-04	-4.62e-03	-0.27	9.02e-06	1.19e-05	0.0
285	2	0.0	0.0	-0.37	0.0	0.0	0.0
285	7	3.66e-05	-7.07e-03	-0.20	2.99e-06	3.81e-06	0.0
285	10	0.0	0.0	-0.30	0.0	0.0	0.0
285	14	0.11	-0.09	-0.27	3.39e-06	4.27e-06	0.0
285	25	0.15	0.09	-0.27	2.41e-06	2.72e-06	0.0
285	44	-0.08	-0.17	-0.27	2.08e-06	2.81e-06	0.0
285	46	0.05	-0.04	-0.27	2.66e-06	3.36e-06	0.0
285	57	0.07	0.04	-0.27	2.19e-06	2.62e-06	0.0
285	76	-0.04	-0.08	-0.27	2.03e-06	2.67e-06	0.0
285	89	0.15	0.09	-0.27	2.41e-06	2.72e-06	0.0
285	108	-0.08	-0.17	-0.27	2.08e-06	2.81e-06	0.0
285	110	0.0	0.0	-0.27	0.0	0.0	0.0
285	111	2.44e-05	-4.71e-03	-0.19	2.00e-06	2.54e-06	0.0
285	114	0.0	0.0	-0.27	0.0	0.0	0.0
285	115	2.44e-05	-4.71e-03	-0.19	2.00e-06	2.54e-06	0.0
285	118	0.0	0.0	-0.27	0.0	0.0	0.0
285	119	2.44e-05	-4.71e-03	-0.19	2.00e-06	2.54e-06	0.0
285	122	0.0	0.0	-0.27	0.0	0.0	0.0
285	123	2.44e-05	-4.71e-03	-0.19	2.00e-06	2.54e-06	0.0
286	2	0.0	0.0	-0.37	0.0	0.0	0.0
286	4	1.57e-04	-7.12e-03	-0.37	-1.89e-06	-2.84e-06	0.0
286	7	1.57e-04	-7.12e-03	-0.20	-1.89e-06	-2.84e-06	0.0
286	10	0.0	0.0	-0.30	0.0	0.0	0.0
286	25	0.15	0.10	-0.27	-1.38e-06	-2.08e-06	0.0
286	27	-0.13	-0.02	-0.27	0.0	-1.40e-06	0.0
286	44	-0.09	-0.17	-0.27	-1.64e-06	-2.31e-06	0.0
286	57	0.07	0.05	-0.27	-1.32e-06	-1.98e-06	0.0
286	59	-0.06	-0.01	-0.27	-1.07e-06	-1.66e-06	0.0
286	76	-0.04	-0.09	-0.27	-1.44e-06	-2.09e-06	0.0
286	89	0.15	0.10	-0.27	-1.38e-06	-2.08e-06	0.0
286	108	-0.09	-0.17	-0.27	-1.64e-06	-2.31e-06	0.0
286	110	0.0	0.0	-0.27	0.0	0.0	0.0
286	111	1.05e-04	-4.74e-03	-0.19	-1.26e-06	-1.89e-06	0.0
286	112	1.05e-04	-4.74e-03	-0.27	-1.26e-06	-1.89e-06	0.0
286	114	0.0	0.0	-0.27	0.0	0.0	0.0
286	115	1.05e-04	-4.74e-03	-0.19	-1.26e-06	-1.89e-06	0.0
286	116	1.05e-04	-4.74e-03	-0.27	-1.26e-06	-1.89e-06	0.0
286	118	0.0	0.0	-0.27	0.0	0.0	0.0
286	119	1.05e-04	-4.74e-03	-0.19	-1.26e-06	-1.89e-06	0.0
286	120	1.05e-04	-4.74e-03	-0.27	-1.26e-06	-1.89e-06	0.0
286	122	0.0	0.0	-0.27	0.0	0.0	0.0
286	123	1.05e-04	-4.74e-03	-0.19	-1.26e-06	-1.89e-06	0.0
286	124	1.05e-04	-4.74e-03	-0.27	-1.26e-06	-1.89e-06	0.0
287	2	0.0	0.0	-0.37	0.0	0.0	0.0
287	4	2.02e-04	-7.11e-03	-0.37	-3.52e-06	-5.16e-06	0.0
287	7	2.02e-04	-7.11e-03	-0.20	-3.52e-06	-5.16e-06	0.0
287	10	0.0	0.0	-0.30	0.0	0.0	0.0
287	25	0.16	0.11	-0.27	-2.90e-06	-4.07e-06	0.0
287	31	-0.08	0.12	-0.27	-4.49e-06	-6.14e-06	0.0
287	44	-0.09	-0.18	-0.27	-3.05e-06	-4.34e-06	0.0
287	57	0.08	0.05	-0.27	-2.61e-06	-3.74e-06	0.0
287	63	-0.04	0.05	-0.27	-3.37e-06	-4.73e-06	0.0
287	76	-0.04	-0.09	-0.27	-2.68e-06	-3.87e-06	0.0
287	89	0.16	0.11	-0.27	-2.90e-06	-4.07e-06	0.0
287	108	-0.09	-0.18	-0.27	-3.05e-06	-4.34e-06	0.0
287	110	0.0	0.0	-0.27	0.0	0.0	0.0
287	111	1.35e-04	-4.74e-03	-0.19	-2.35e-06	-3.44e-06	0.0
287	112	1.35e-04	-4.74e-03	-0.27	-2.35e-06	-3.44e-06	0.0
287	114	0.0	0.0	-0.27	0.0	0.0	0.0
287	115	1.35e-04	-4.74e-03	-0.19	-2.35e-06	-3.44e-06	0.0
287	116	1.35e-04	-4.74e-03	-0.27	-2.35e-06	-3.44e-06	0.0

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287	118	0.0	0.0	-0.27	0.0	0.0	0.0
287	119	1.35e-04	-4.74e-03	-0.19	-2.35e-06	-3.44e-06	0.0
287	120	1.35e-04	-4.74e-03	-0.27	-2.35e-06	-3.44e-06	0.0
287	122	0.0	0.0	-0.27	0.0	0.0	0.0
287	123	1.35e-04	-4.74e-03	-0.19	-2.35e-06	-3.44e-06	0.0
287	124	1.35e-04	-4.74e-03	-0.27	-2.35e-06	-3.44e-06	0.0
288	2	0.0	0.0	-0.37	0.0	0.0	0.0
288	4	2.11e-04	-7.09e-03	-0.37	-3.58e-06	-5.36e-06	0.0
288	7	2.11e-04	-7.09e-03	-0.20	-3.58e-06	-5.36e-06	0.0
288	10	0.0	0.0	-0.30	0.0	0.0	0.0
288	25	0.16	0.12	-0.27	-3.45e-06	-4.62e-06	0.0
288	31	-0.08	0.12	-0.27	-5.32e-06	-7.09e-06	0.0
288	44	-0.10	-0.19	-0.27	-3.49e-06	-5.05e-06	0.0
288	57	0.08	0.05	-0.27	-2.89e-06	-4.08e-06	0.0
288	63	-0.04	0.05	-0.27	-3.79e-06	-5.25e-06	0.0
288	76	-0.05	-0.09	-0.27	-2.91e-06	-4.28e-06	0.0
288	89	0.16	0.12	-0.27	-3.45e-06	-4.62e-06	0.0
288	108	-0.10	-0.19	-0.27	-3.49e-06	-5.05e-06	0.0
288	110	0.0	0.0	-0.27	0.0	0.0	0.0
288	111	1.40e-04	-4.73e-03	-0.19	-2.38e-06	-3.58e-06	0.0
288	112	1.40e-04	-4.73e-03	-0.27	-2.38e-06	-3.58e-06	0.0
288	114	0.0	0.0	-0.27	0.0	0.0	0.0
288	115	1.40e-04	-4.73e-03	-0.19	-2.38e-06	-3.58e-06	0.0
288	116	1.40e-04	-4.73e-03	-0.27	-2.38e-06	-3.58e-06	0.0
288	118	0.0	0.0	-0.27	0.0	0.0	0.0
288	119	1.40e-04	-4.73e-03	-0.19	-2.38e-06	-3.58e-06	0.0
288	120	1.40e-04	-4.73e-03	-0.27	-2.38e-06	-3.58e-06	0.0
288	122	0.0	0.0	-0.27	0.0	0.0	0.0
288	123	1.40e-04	-4.73e-03	-0.19	-2.38e-06	-3.58e-06	0.0
288	124	1.40e-04	-4.73e-03	-0.27	-2.38e-06	-3.58e-06	0.0
289	2	0.0	0.0	-0.37	0.0	0.0	0.0
289	4	2.07e-04	-7.06e-03	-0.37	-3.10e-06	-4.85e-06	0.0
289	7	2.07e-04	-7.06e-03	-0.20	-3.10e-06	-4.85e-06	0.0
289	10	0.0	0.0	-0.30	0.0	0.0	0.0
289	25	0.17	0.12	-0.27	-3.66e-06	-4.65e-06	0.0
289	31	-0.09	0.12	-0.27	-5.90e-06	-7.67e-06	0.0
289	44	-0.10	-0.19	-0.27	-3.59e-06	-5.32e-06	0.0
289	57	0.08	0.06	-0.27	-2.83e-06	-3.91e-06	0.0
289	63	-0.04	0.06	-0.27	-3.90e-06	-5.36e-06	0.0
289	76	-0.05	-0.10	-0.27	-2.80e-06	-4.23e-06	0.0
289	89	0.17	0.12	-0.27	-3.66e-06	-4.65e-06	0.0
289	108	-0.10	-0.19	-0.27	-3.59e-06	-5.32e-06	0.0
289	110	0.0	0.0	-0.27	0.0	0.0	0.0
289	111	1.38e-04	-4.71e-03	-0.19	-2.07e-06	-3.23e-06	0.0
289	112	1.38e-04	-4.71e-03	-0.27	-2.07e-06	-3.23e-06	0.0
289	114	0.0	0.0	-0.27	0.0	0.0	0.0
289	115	1.38e-04	-4.71e-03	-0.19	-2.07e-06	-3.23e-06	0.0
289	116	1.38e-04	-4.71e-03	-0.27	-2.07e-06	-3.23e-06	0.0
289	118	0.0	0.0	-0.27	0.0	0.0	0.0
289	119	1.38e-04	-4.71e-03	-0.19	-2.07e-06	-3.23e-06	0.0
289	120	1.38e-04	-4.71e-03	-0.27	-2.07e-06	-3.23e-06	0.0
289	122	0.0	0.0	-0.27	0.0	0.0	0.0
289	123	1.38e-04	-4.71e-03	-0.19	-2.07e-06	-3.23e-06	0.0
289	124	1.38e-04	-4.71e-03	-0.27	-2.07e-06	-3.23e-06	0.0
290	2	0.0	0.0	-0.37	0.0	0.0	0.0
290	4	2.05e-04	-7.03e-03	-0.37	-2.65e-06	-4.38e-06	0.0
290	7	2.05e-04	-7.03e-03	-0.20	-2.65e-06	-4.38e-06	0.0
290	10	0.0	0.0	-0.30	0.0	0.0	0.0
290	25	0.17	0.13	-0.27	-3.86e-06	-4.59e-06	0.0
290	31	-0.09	0.13	-0.27	-6.44e-06	-8.15e-06	0.0
290	44	-0.11	-0.20	-0.27	-3.65e-06	-5.53e-06	0.0
290	57	0.08	0.06	-0.27	-2.77e-06	-3.72e-06	0.0
290	63	-0.04	0.06	-0.27	-4.00e-06	-5.42e-06	0.0
290	76	-0.05	-0.10	-0.27	-2.67e-06	-4.18e-06	0.0
290	89	0.17	0.13	-0.27	-3.86e-06	-4.59e-06	0.0

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290	108	-0.11	-0.20	-0.27	-3.65e-06	-5.53e-06	0.0
290	110	0.0	0.0	-0.27	0.0	0.0	0.0
290	111	1.37e-04	-4.69e-03	-0.19	-1.77e-06	-2.92e-06	0.0
290	112	1.37e-04	-4.69e-03	-0.27	-1.77e-06	-2.92e-06	0.0
290	114	0.0	0.0	-0.27	0.0	0.0	0.0
290	115	1.37e-04	-4.69e-03	-0.19	-1.77e-06	-2.92e-06	0.0
290	116	1.37e-04	-4.69e-03	-0.27	-1.77e-06	-2.92e-06	0.0
290	118	0.0	0.0	-0.27	0.0	0.0	0.0
290	119	1.37e-04	-4.69e-03	-0.19	-1.77e-06	-2.92e-06	0.0
290	120	1.37e-04	-4.69e-03	-0.27	-1.77e-06	-2.92e-06	0.0
290	122	0.0	0.0	-0.27	0.0	0.0	0.0
290	123	1.37e-04	-4.69e-03	-0.19	-1.77e-06	-2.92e-06	0.0
290	124	1.37e-04	-4.69e-03	-0.27	-1.77e-06	-2.92e-06	0.0
291	4	2.08e-04	-7.01e-03	-0.37	-2.38e-06	-4.16e-06	0.0
291	7	2.08e-04	-7.01e-03	-0.20	-2.38e-06	-4.16e-06	0.0
291	12	1.81e-04	-6.08e-03	-0.30	-2.06e-06	-3.60e-06	0.0
291	25	0.18	0.14	-0.27	-4.03e-06	-4.50e-06	0.0
291	31	-0.10	0.13	-0.28	-6.73e-06	-8.30e-06	0.0
291	44	-0.11	-0.21	-0.27	-3.62e-06	-5.63e-06	0.0
291	57	0.08	0.06	-0.27	-2.76e-06	-3.60e-06	0.0
291	63	-0.05	0.06	-0.27	-4.04e-06	-5.41e-06	0.0
291	76	-0.05	-0.10	-0.27	-2.56e-06	-4.14e-06	0.0
291	89	0.18	0.14	-0.27	-4.03e-06	-4.50e-06	0.0
291	108	-0.11	-0.21	-0.27	-3.62e-06	-5.63e-06	0.0
291	111	1.39e-04	-4.67e-03	-0.19	-1.59e-06	-2.77e-06	0.0
291	112	1.39e-04	-4.67e-03	-0.27	-1.59e-06	-2.77e-06	0.0
291	115	1.39e-04	-4.67e-03	-0.19	-1.59e-06	-2.77e-06	0.0
291	116	1.39e-04	-4.67e-03	-0.27	-1.59e-06	-2.77e-06	0.0
291	119	1.39e-04	-4.67e-03	-0.19	-1.59e-06	-2.77e-06	0.0
291	120	1.39e-04	-4.67e-03	-0.27	-1.59e-06	-2.77e-06	0.0
291	123	1.39e-04	-4.67e-03	-0.19	-1.59e-06	-2.77e-06	0.0
291	124	1.39e-04	-4.67e-03	-0.27	-1.59e-06	-2.77e-06	0.0
292	4	-1.90e-03	-6.16e-03	-0.39	6.39e-05	1.14e-04	0.0
292	7	-1.90e-03	-6.16e-03	-0.22	6.39e-05	1.14e-04	0.0
292	12	-1.65e-03	-5.33e-03	-0.32	5.54e-05	9.84e-05	0.0
292	14	0.11	-0.07	-0.29	4.42e-05	7.81e-05	0.0
292	28	-0.13	-0.08	-0.28	4.04e-05	7.43e-05	0.0
292	44	-0.06	-0.15	-0.28	4.23e-05	7.72e-05	0.0
292	46	0.05	-0.04	-0.29	4.33e-05	7.68e-05	0.0
292	60	-0.06	-0.04	-0.28	4.16e-05	7.50e-05	0.0
292	76	-0.03	-0.07	-0.28	4.24e-05	7.64e-05	0.0
292	92	-0.13	-0.08	-0.28	4.04e-05	7.43e-05	0.0
292	108	-0.06	-0.15	-0.28	4.23e-05	7.72e-05	0.0
292	111	-1.27e-03	-4.10e-03	-0.20	4.26e-05	7.57e-05	0.0
292	112	-1.27e-03	-4.10e-03	-0.28	4.26e-05	7.57e-05	0.0
292	115	-1.27e-03	-4.10e-03	-0.20	4.26e-05	7.57e-05	0.0
292	116	-1.27e-03	-4.10e-03	-0.28	4.26e-05	7.57e-05	0.0
292	119	-1.27e-03	-4.10e-03	-0.20	4.26e-05	7.57e-05	0.0
292	120	-1.27e-03	-4.10e-03	-0.28	4.26e-05	7.57e-05	0.0
292	123	-1.27e-03	-4.10e-03	-0.20	4.26e-05	7.57e-05	0.0
292	124	-1.27e-03	-4.10e-03	-0.28	4.26e-05	7.57e-05	0.0
293	4	-9.69e-04	-6.62e-03	-0.38	3.31e-05	6.03e-05	0.0
293	7	-9.69e-04	-6.62e-03	-0.21	3.31e-05	6.03e-05	0.0
293	12	-8.40e-04	-5.74e-03	-0.31	2.87e-05	5.23e-05	0.0
293	14	0.11	-0.08	-0.28	2.32e-05	4.23e-05	0.0
293	28	-0.13	-0.09	-0.28	2.04e-05	3.89e-05	0.0
293	44	-0.06	-0.16	-0.28	2.18e-05	4.12e-05	0.0
293	46	0.05	-0.04	-0.28	2.26e-05	4.12e-05	0.0
293	60	-0.06	-0.04	-0.28	2.13e-05	3.96e-05	0.0
293	76	-0.03	-0.08	-0.28	2.19e-05	4.07e-05	0.0
293	92	-0.13	-0.09	-0.28	2.04e-05	3.89e-05	0.0
293	108	-0.06	-0.16	-0.28	2.18e-05	4.12e-05	0.0
293	111	-6.46e-04	-4.42e-03	-0.20	2.21e-05	4.02e-05	0.0
293	112	-6.46e-04	-4.42e-03	-0.28	2.21e-05	4.02e-05	0.0
293	115	-6.46e-04	-4.42e-03	-0.20	2.21e-05	4.02e-05	0.0

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293	116	-6.46e-04	-4.42e-03	-0.28	2.21e-05	4.02e-05	0.0
293	119	-6.46e-04	-4.42e-03	-0.20	2.21e-05	4.02e-05	0.0
293	120	-6.46e-04	-4.42e-03	-0.28	2.21e-05	4.02e-05	0.0
293	123	-6.46e-04	-4.42e-03	-0.20	2.21e-05	4.02e-05	0.0
293	124	-6.46e-04	-4.42e-03	-0.28	2.21e-05	4.02e-05	0.0
294	2	0.0	0.0	-0.37	0.0	0.0	0.0
294	4	-3.72e-04	-6.90e-03	-0.37	1.43e-05	2.63e-05	0.0
294	7	-3.72e-04	-6.90e-03	-0.20	1.43e-05	2.63e-05	0.0
294	10	0.0	0.0	-0.30	0.0	0.0	0.0
294	14	0.11	-0.08	-0.27	1.05e-05	1.94e-05	0.0
294	28	-0.14	-0.10	-0.27	8.42e-06	1.66e-05	0.0
294	44	-0.07	-0.16	-0.27	9.40e-06	1.81e-05	0.0
294	46	0.05	-0.04	-0.27	9.96e-06	1.84e-05	0.0
294	60	-0.07	-0.05	-0.27	8.99e-06	1.71e-05	0.0
294	76	-0.03	-0.08	-0.27	9.46e-06	1.78e-05	0.0
294	92	-0.14	-0.10	-0.27	8.42e-06	1.66e-05	0.0
294	108	-0.07	-0.16	-0.27	9.40e-06	1.81e-05	0.0
294	110	0.0	0.0	-0.27	0.0	0.0	0.0
294	111	-2.48e-04	-4.60e-03	-0.19	9.51e-06	1.76e-05	0.0
294	112	-2.48e-04	-4.60e-03	-0.27	9.51e-06	1.76e-05	0.0
294	114	0.0	0.0	-0.27	0.0	0.0	0.0
294	115	-2.48e-04	-4.60e-03	-0.19	9.51e-06	1.76e-05	0.0
294	116	-2.48e-04	-4.60e-03	-0.27	9.51e-06	1.76e-05	0.0
294	118	0.0	0.0	-0.27	0.0	0.0	0.0
294	119	-2.48e-04	-4.60e-03	-0.19	9.51e-06	1.76e-05	0.0
294	120	-2.48e-04	-4.60e-03	-0.27	9.51e-06	1.76e-05	0.0
294	122	0.0	0.0	-0.27	0.0	0.0	0.0
294	123	-2.48e-04	-4.60e-03	-0.19	9.51e-06	1.76e-05	0.0
294	124	-2.48e-04	-4.60e-03	-0.27	9.51e-06	1.76e-05	0.0
295	2	0.0	0.0	-0.37	0.0	0.0	0.0
295	4	-3.43e-05	-7.03e-03	-0.37	3.93e-06	7.12e-06	0.0
295	7	-3.43e-05	-7.03e-03	-0.20	3.93e-06	7.12e-06	0.0
295	10	0.0	0.0	-0.30	0.0	0.0	0.0
295	14	0.11	-0.09	-0.27	3.59e-06	6.60e-06	0.0
295	28	-0.14	-0.11	-0.27	2.05e-06	4.25e-06	0.0
295	44	-0.07	-0.17	-0.27	2.65e-06	4.95e-06	0.0
295	46	0.05	-0.05	-0.27	3.08e-06	5.63e-06	0.0
295	60	-0.07	-0.05	-0.27	2.35e-06	4.51e-06	0.0
295	76	-0.03	-0.08	-0.27	2.64e-06	4.84e-06	0.0
295	92	-0.14	-0.11	-0.27	2.05e-06	4.25e-06	0.0
295	108	-0.07	-0.17	-0.27	2.65e-06	4.95e-06	0.0
295	110	0.0	0.0	-0.27	0.0	0.0	0.0
295	111	-2.29e-05	-4.69e-03	-0.19	2.62e-06	4.75e-06	0.0
295	112	-2.29e-05	-4.69e-03	-0.27	2.62e-06	4.75e-06	0.0
295	114	0.0	0.0	-0.27	0.0	0.0	0.0
295	115	-2.29e-05	-4.69e-03	-0.19	2.62e-06	4.75e-06	0.0
295	116	-2.29e-05	-4.69e-03	-0.27	2.62e-06	4.75e-06	0.0
295	118	0.0	0.0	-0.27	0.0	0.0	0.0
295	119	-2.29e-05	-4.69e-03	-0.19	2.62e-06	4.75e-06	0.0
295	120	-2.29e-05	-4.69e-03	-0.27	2.62e-06	4.75e-06	0.0
295	122	0.0	0.0	-0.27	0.0	0.0	0.0
295	123	-2.29e-05	-4.69e-03	-0.19	2.62e-06	4.75e-06	0.0
295	124	-2.29e-05	-4.69e-03	-0.27	2.62e-06	4.75e-06	0.0
296	2	0.0	0.0	-0.37	0.0	0.0	0.0
296	7	1.30e-04	-7.08e-03	-0.20	0.0	-2.12e-06	0.0
296	10	0.0	0.0	-0.30	0.0	0.0	0.0
296	25	0.14	0.11	-0.27	0.0	-1.39e-06	0.0
296	27	-0.12	-0.02	-0.27	0.0	-1.18e-06	0.0
296	44	-0.07	-0.18	-0.27	-1.00e-06	-1.82e-06	0.0
296	57	0.07	0.05	-0.27	0.0	-1.40e-06	0.0
296	59	-0.06	-0.01	-0.27	0.0	-1.30e-06	0.0
296	76	-0.04	-0.09	-0.27	0.0	-1.61e-06	0.0
296	89	0.14	0.11	-0.27	0.0	-1.39e-06	0.0
296	108	-0.07	-0.18	-0.27	-1.00e-06	-1.82e-06	0.0
296	110	0.0	0.0	-0.27	0.0	0.0	0.0

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296	111	8.68e-05	-4.72e-03	-0.19	0.0	-1.42e-06	0.0
296	114	0.0	0.0	-0.27	0.0	0.0	0.0
296	115	8.68e-05	-4.72e-03	-0.19	0.0	-1.42e-06	0.0
296	118	0.0	0.0	-0.27	0.0	0.0	0.0
296	119	8.68e-05	-4.72e-03	-0.19	0.0	-1.42e-06	0.0
296	122	0.0	0.0	-0.27	0.0	0.0	0.0
296	123	8.68e-05	-4.72e-03	-0.19	0.0	-1.42e-06	0.0
297	2	0.0	0.0	-0.37	0.0	0.0	0.0
297	4	1.93e-04	-7.07e-03	-0.37	-2.58e-06	-5.51e-06	0.0
297	7	1.93e-04	-7.07e-03	-0.20	-2.58e-06	-5.51e-06	0.0
297	10	0.0	0.0	-0.30	0.0	0.0	0.0
297	25	0.15	0.11	-0.27	-2.00e-06	-4.10e-06	0.0
297	31	-0.07	0.12	-0.27	-3.29e-06	-6.09e-06	0.0
297	44	-0.08	-0.19	-0.27	-2.31e-06	-4.50e-06	0.0
297	57	0.07	0.05	-0.27	-1.86e-06	-3.87e-06	0.0
297	63	-0.03	0.05	-0.27	-2.47e-06	-4.83e-06	0.0
297	76	-0.04	-0.09	-0.27	-2.00e-06	-4.07e-06	0.0
297	89	0.15	0.11	-0.27	-2.00e-06	-4.10e-06	0.0
297	108	-0.08	-0.19	-0.27	-2.31e-06	-4.50e-06	0.0
297	110	0.0	0.0	-0.27	0.0	0.0	0.0
297	111	1.29e-04	-4.71e-03	-0.19	-1.72e-06	-3.67e-06	0.0
297	112	1.29e-04	-4.71e-03	-0.27	-1.72e-06	-3.67e-06	0.0
297	114	0.0	0.0	-0.27	0.0	0.0	0.0
297	115	1.29e-04	-4.71e-03	-0.19	-1.72e-06	-3.67e-06	0.0
297	116	1.29e-04	-4.71e-03	-0.27	-1.72e-06	-3.67e-06	0.0
297	118	0.0	0.0	-0.27	0.0	0.0	0.0
297	119	1.29e-04	-4.71e-03	-0.19	-1.72e-06	-3.67e-06	0.0
297	120	1.29e-04	-4.71e-03	-0.27	-1.72e-06	-3.67e-06	0.0
297	122	0.0	0.0	-0.27	0.0	0.0	0.0
297	123	1.29e-04	-4.71e-03	-0.19	-1.72e-06	-3.67e-06	0.0
297	124	1.29e-04	-4.71e-03	-0.27	-1.72e-06	-3.67e-06	0.0
298	2	0.0	0.0	-0.37	0.0	0.0	0.0
298	4	2.05e-04	-7.04e-03	-0.37	-2.74e-06	-5.99e-06	0.0
298	7	2.05e-04	-7.04e-03	-0.20	-2.74e-06	-5.99e-06	0.0
298	10	0.0	0.0	-0.30	0.0	0.0	0.0
298	25	0.15	0.12	-0.27	-2.54e-06	-4.85e-06	0.0
298	31	-0.07	0.12	-0.27	-4.14e-06	-7.15e-06	0.0
298	44	-0.08	-0.19	-0.27	-2.76e-06	-5.34e-06	0.0
298	57	0.07	0.06	-0.27	-2.17e-06	-4.40e-06	0.0
298	63	-0.03	0.06	-0.27	-2.93e-06	-5.50e-06	0.0
298	76	-0.04	-0.10	-0.27	-2.27e-06	-4.64e-06	0.0
298	89	0.15	0.12	-0.27	-2.54e-06	-4.85e-06	0.0
298	108	-0.08	-0.19	-0.27	-2.76e-06	-5.34e-06	0.0
298	110	0.0	0.0	-0.27	0.0	0.0	0.0
298	111	1.37e-04	-4.70e-03	-0.19	-1.82e-06	-3.99e-06	0.0
298	112	1.37e-04	-4.70e-03	-0.27	-1.82e-06	-3.99e-06	0.0
298	114	0.0	0.0	-0.27	0.0	0.0	0.0
298	115	1.37e-04	-4.70e-03	-0.19	-1.82e-06	-3.99e-06	0.0
298	116	1.37e-04	-4.70e-03	-0.27	-1.82e-06	-3.99e-06	0.0
298	118	0.0	0.0	-0.27	0.0	0.0	0.0
298	119	1.37e-04	-4.70e-03	-0.19	-1.82e-06	-3.99e-06	0.0
298	120	1.37e-04	-4.70e-03	-0.27	-1.82e-06	-3.99e-06	0.0
298	122	0.0	0.0	-0.27	0.0	0.0	0.0
298	123	1.37e-04	-4.70e-03	-0.19	-1.82e-06	-3.99e-06	0.0
298	124	1.37e-04	-4.70e-03	-0.27	-1.82e-06	-3.99e-06	0.0
299	2	0.0	0.0	-0.37	0.0	0.0	0.0
299	4	2.01e-04	-7.01e-03	-0.37	-2.35e-06	-5.45e-06	0.0
299	7	2.01e-04	-7.01e-03	-0.20	-2.35e-06	-5.45e-06	0.0
299	10	0.0	0.0	-0.30	0.0	0.0	0.0
299	25	0.15	0.13	-0.27	-2.75e-06	-4.85e-06	0.0
299	31	-0.07	0.13	-0.27	-4.77e-06	-7.65e-06	0.0
299	44	-0.09	-0.20	-0.27	-2.93e-06	-5.55e-06	0.0
299	57	0.07	0.06	-0.27	-2.13e-06	-4.21e-06	0.0
299	63	-0.04	0.06	-0.27	-3.10e-06	-5.55e-06	0.0
299	76	-0.04	-0.10	-0.27	-2.22e-06	-4.56e-06	0.0

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299	89	0.15	0.13	-0.27	-2.75e-06	-4.85e-06	0.0
299	108	-0.09	-0.20	-0.27	-2.93e-06	-5.55e-06	0.0
299	110	0.0	0.0	-0.27	0.0	0.0	0.0
299	111	1.34e-04	-4.67e-03	-0.19	-1.57e-06	-3.63e-06	0.0
299	112	1.34e-04	-4.67e-03	-0.27	-1.57e-06	-3.63e-06	0.0
299	114	0.0	0.0	-0.27	0.0	0.0	0.0
299	115	1.34e-04	-4.67e-03	-0.19	-1.57e-06	-3.63e-06	0.0
299	116	1.34e-04	-4.67e-03	-0.27	-1.57e-06	-3.63e-06	0.0
299	118	0.0	0.0	-0.27	0.0	0.0	0.0
299	119	1.34e-04	-4.67e-03	-0.19	-1.57e-06	-3.63e-06	0.0
299	120	1.34e-04	-4.67e-03	-0.27	-1.57e-06	-3.63e-06	0.0
299	122	0.0	0.0	-0.27	0.0	0.0	0.0
299	123	1.34e-04	-4.67e-03	-0.19	-1.57e-06	-3.63e-06	0.0
299	124	1.34e-04	-4.67e-03	-0.27	-1.57e-06	-3.63e-06	0.0
300	2	0.0	0.0	-0.37	0.0	0.0	0.0
300	4	1.96e-04	-6.98e-03	-0.37	-1.96e-06	-4.91e-06	0.0
300	7	1.96e-04	-6.98e-03	-0.20	-1.96e-06	-4.91e-06	0.0
300	10	0.0	0.0	-0.30	0.0	0.0	0.0
300	25	0.16	0.14	-0.27	-2.95e-06	-4.72e-06	0.0
300	31	-0.08	0.13	-0.27	-5.38e-06	-8.01e-06	0.0
300	44	-0.09	-0.21	-0.27	-3.08e-06	-5.68e-06	0.0
300	57	0.08	0.07	-0.27	-2.10e-06	-3.96e-06	0.0
300	63	-0.04	0.06	-0.27	-3.26e-06	-5.54e-06	0.0
300	76	-0.04	-0.10	-0.27	-2.16e-06	-4.43e-06	0.0
300	89	0.16	0.14	-0.27	-2.95e-06	-4.72e-06	0.0
300	108	-0.09	-0.21	-0.27	-3.08e-06	-5.68e-06	0.0
300	110	0.0	0.0	-0.27	0.0	0.0	0.0
300	111	1.31e-04	-4.66e-03	-0.19	-1.31e-06	-3.27e-06	0.0
300	112	1.31e-04	-4.66e-03	-0.27	-1.31e-06	-3.27e-06	0.0
300	114	0.0	0.0	-0.27	0.0	0.0	0.0
300	115	1.31e-04	-4.66e-03	-0.19	-1.31e-06	-3.27e-06	0.0
300	116	1.31e-04	-4.66e-03	-0.27	-1.31e-06	-3.27e-06	0.0
300	118	0.0	0.0	-0.27	0.0	0.0	0.0
300	119	1.31e-04	-4.66e-03	-0.19	-1.31e-06	-3.27e-06	0.0
300	120	1.31e-04	-4.66e-03	-0.27	-1.31e-06	-3.27e-06	0.0
300	122	0.0	0.0	-0.27	0.0	0.0	0.0
300	123	1.31e-04	-4.66e-03	-0.19	-1.31e-06	-3.27e-06	0.0
300	124	1.31e-04	-4.66e-03	-0.27	-1.31e-06	-3.27e-06	0.0
301	4	1.98e-04	-6.96e-03	-0.37	-1.72e-06	-4.65e-06	0.0
301	7	1.98e-04	-6.96e-03	-0.20	-1.72e-06	-4.65e-06	0.0
301	12	1.71e-04	-6.03e-03	-0.30	-1.49e-06	-4.03e-06	0.0
301	25	0.16	0.15	-0.27	-3.17e-06	-4.61e-06	0.0
301	31	-0.08	0.14	-0.28	-5.83e-06	-8.06e-06	0.0
301	44	-0.09	-0.22	-0.27	-3.17e-06	-5.68e-06	0.0
301	57	0.08	0.07	-0.27	-2.12e-06	-3.82e-06	0.0
301	63	-0.04	0.06	-0.27	-3.38e-06	-5.47e-06	0.0
301	76	-0.05	-0.11	-0.27	-2.12e-06	-4.34e-06	0.0
301	89	0.16	0.15	-0.27	-3.17e-06	-4.61e-06	0.0
301	108	-0.09	-0.22	-0.27	-3.17e-06	-5.68e-06	0.0
301	111	1.32e-04	-4.64e-03	-0.19	-1.15e-06	-3.10e-06	0.0
301	112	1.32e-04	-4.64e-03	-0.27	-1.15e-06	-3.10e-06	0.0
301	115	1.32e-04	-4.64e-03	-0.19	-1.15e-06	-3.10e-06	0.0
301	116	1.32e-04	-4.64e-03	-0.27	-1.15e-06	-3.10e-06	0.0
301	119	1.32e-04	-4.64e-03	-0.19	-1.15e-06	-3.10e-06	0.0
301	120	1.32e-04	-4.64e-03	-0.27	-1.15e-06	-3.10e-06	0.0
301	123	1.32e-04	-4.64e-03	-0.19	-1.15e-06	-3.10e-06	0.0
301	124	1.32e-04	-4.64e-03	-0.27	-1.15e-06	-3.10e-06	0.0
302	4	-2.42e-03	-6.36e-03	-0.40	5.21e-05	1.42e-04	0.0
302	7	-2.42e-03	-6.36e-03	-0.22	5.21e-05	1.42e-04	0.0
302	12	-2.10e-03	-5.51e-03	-0.32	4.52e-05	1.23e-04	0.0
302	14	0.11	-0.07	-0.29	3.57e-05	9.79e-05	0.0
302	28	-0.13	-0.08	-0.29	3.25e-05	9.28e-05	0.0
302	44	-0.05	-0.15	-0.29	3.31e-05	9.59e-05	0.0
302	46	0.05	-0.04	-0.29	3.52e-05	9.64e-05	0.0
302	60	-0.06	-0.04	-0.29	3.37e-05	9.39e-05	0.0

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302	76	-0.03	-0.07	-0.29	3.40e-05	9.54e-05	0.0
302	92	-0.13	-0.08	-0.29	3.25e-05	9.28e-05	0.0
302	108	-0.05	-0.15	-0.29	3.31e-05	9.59e-05	0.0
302	111	-1.62e-03	-4.24e-03	-0.21	3.47e-05	9.49e-05	0.0
302	112	-1.62e-03	-4.24e-03	-0.29	3.47e-05	9.49e-05	0.0
302	115	-1.62e-03	-4.24e-03	-0.21	3.47e-05	9.49e-05	0.0
302	116	-1.62e-03	-4.24e-03	-0.29	3.47e-05	9.49e-05	0.0
302	119	-1.62e-03	-4.24e-03	-0.21	3.47e-05	9.49e-05	0.0
302	120	-1.62e-03	-4.24e-03	-0.29	3.47e-05	9.49e-05	0.0
302	123	-1.62e-03	-4.24e-03	-0.21	3.47e-05	9.49e-05	0.0
302	124	-1.62e-03	-4.24e-03	-0.29	3.47e-05	9.49e-05	0.0
303	4	-1.28e-03	-6.72e-03	-0.38	2.72e-05	7.68e-05	0.0
303	7	-1.28e-03	-6.72e-03	-0.21	2.72e-05	7.68e-05	0.0
303	12	-1.11e-03	-5.82e-03	-0.31	2.36e-05	6.66e-05	0.0
303	14	0.11	-0.08	-0.28	1.88e-05	5.38e-05	0.0
303	28	-0.13	-0.09	-0.28	1.66e-05	4.93e-05	0.0
303	44	-0.05	-0.16	-0.28	1.73e-05	5.18e-05	0.0
303	46	0.05	-0.04	-0.28	1.85e-05	5.24e-05	0.0
303	60	-0.06	-0.05	-0.28	1.74e-05	5.03e-05	0.0
303	76	-0.03	-0.08	-0.28	1.78e-05	5.15e-05	0.0
303	92	-0.13	-0.09	-0.28	1.66e-05	4.93e-05	0.0
303	108	-0.05	-0.16	-0.28	1.73e-05	5.18e-05	0.0
303	111	-8.51e-04	-4.48e-03	-0.20	1.82e-05	5.12e-05	0.0
303	112	-8.51e-04	-4.48e-03	-0.28	1.82e-05	5.12e-05	0.0
303	115	-8.51e-04	-4.48e-03	-0.20	1.82e-05	5.12e-05	0.0
303	116	-8.51e-04	-4.48e-03	-0.28	1.82e-05	5.12e-05	0.0
303	119	-8.51e-04	-4.48e-03	-0.20	1.82e-05	5.12e-05	0.0
303	120	-8.51e-04	-4.48e-03	-0.28	1.82e-05	5.12e-05	0.0
303	123	-8.51e-04	-4.48e-03	-0.20	1.82e-05	5.12e-05	0.0
303	124	-8.51e-04	-4.48e-03	-0.28	1.82e-05	5.12e-05	0.0
304	4	-5.36e-04	-6.92e-03	-0.37	1.20e-05	3.45e-05	0.0
304	7	-5.36e-04	-6.92e-03	-0.20	1.20e-05	3.45e-05	0.0
304	12	-4.64e-04	-6.00e-03	-0.30	1.04e-05	2.99e-05	0.0
304	14	0.11	-0.09	-0.27	8.49e-06	2.51e-05	0.0
304	28	-0.13	-0.10	-0.27	7.01e-06	2.16e-05	0.0
304	44	-0.06	-0.16	-0.27	7.86e-06	2.32e-05	0.0
304	46	0.05	-0.04	-0.27	8.24e-06	2.40e-05	0.0
304	60	-0.06	-0.05	-0.27	7.53e-06	2.23e-05	0.0
304	76	-0.03	-0.08	-0.27	7.94e-06	2.31e-05	0.0
304	92	-0.13	-0.10	-0.27	7.01e-06	2.16e-05	0.0
304	108	-0.06	-0.16	-0.27	7.86e-06	2.32e-05	0.0
304	111	-3.57e-04	-4.62e-03	-0.19	8.02e-06	2.30e-05	0.0
304	112	-3.57e-04	-4.62e-03	-0.27	8.02e-06	2.30e-05	0.0
304	115	-3.57e-04	-4.62e-03	-0.19	8.02e-06	2.30e-05	0.0
304	116	-3.57e-04	-4.62e-03	-0.27	8.02e-06	2.30e-05	0.0
304	119	-3.57e-04	-4.62e-03	-0.19	8.02e-06	2.30e-05	0.0
304	120	-3.57e-04	-4.62e-03	-0.27	8.02e-06	2.30e-05	0.0
304	123	-3.57e-04	-4.62e-03	-0.19	8.02e-06	2.30e-05	0.0
304	124	-3.57e-04	-4.62e-03	-0.27	8.02e-06	2.30e-05	0.0
305	2	0.0	0.0	-0.37	0.0	0.0	0.0
305	4	-1.13e-04	-7.02e-03	-0.37	3.69e-06	1.04e-05	0.0
305	7	-1.13e-04	-7.02e-03	-0.20	3.69e-06	1.04e-05	0.0
305	10	0.0	0.0	-0.30	0.0	0.0	0.0
305	14	0.11	-0.09	-0.27	2.96e-06	8.81e-06	0.0
305	28	-0.13	-0.11	-0.27	1.87e-06	6.05e-06	0.0
305	44	-0.06	-0.17	-0.27	2.45e-06	6.97e-06	0.0
305	46	0.05	-0.05	-0.27	2.70e-06	7.83e-06	0.0
305	60	-0.06	-0.05	-0.27	2.18e-06	6.51e-06	0.0
305	76	-0.03	-0.09	-0.27	2.46e-06	6.95e-06	0.0
305	92	-0.13	-0.11	-0.27	1.87e-06	6.05e-06	0.0
305	108	-0.06	-0.17	-0.27	2.45e-06	6.97e-06	0.0
305	110	0.0	0.0	-0.27	0.0	0.0	0.0
305	111	-7.56e-05	-4.68e-03	-0.19	2.46e-06	6.93e-06	0.0
305	112	-7.56e-05	-4.68e-03	-0.27	2.46e-06	6.93e-06	0.0
305	114	0.0	0.0	-0.27	0.0	0.0	0.0

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305	115	-7.56e-05	-4.68e-03	-0.19	2.46e-06	6.93e-06	0.0
305	116	-7.56e-05	-4.68e-03	-0.27	2.46e-06	6.93e-06	0.0
305	118	0.0	0.0	-0.27	0.0	0.0	0.0
305	119	-7.56e-05	-4.68e-03	-0.19	2.46e-06	6.93e-06	0.0
305	120	-7.56e-05	-4.68e-03	-0.27	2.46e-06	6.93e-06	0.0
305	122	0.0	0.0	-0.27	0.0	0.0	0.0
305	123	-7.56e-05	-4.68e-03	-0.19	2.46e-06	6.93e-06	0.0
305	124	-7.56e-05	-4.68e-03	-0.27	2.46e-06	6.93e-06	0.0
306	2	0.0	0.0	-0.37	0.0	0.0	0.0
306	4	9.30e-05	-7.04e-03	-0.37	0.0	-1.31e-06	0.0
306	7	9.30e-05	-7.04e-03	-0.20	0.0	-1.31e-06	0.0
306	10	0.0	0.0	-0.30	0.0	0.0	0.0
306	25	0.13	0.11	-0.27	0.0	0.0	0.0
306	27	-0.12	-0.03	-0.27	0.0	-1.19e-06	0.0
306	44	-0.06	-0.18	-0.27	0.0	-1.32e-06	0.0
306	57	0.06	0.05	-0.27	0.0	0.0	0.0
306	59	-0.06	-0.01	-0.27	0.0	-1.02e-06	0.0
306	76	-0.03	-0.09	-0.27	0.0	-1.09e-06	0.0
306	89	0.13	0.11	-0.27	0.0	0.0	0.0
306	108	-0.06	-0.18	-0.27	0.0	-1.32e-06	0.0
306	110	0.0	0.0	-0.27	0.0	0.0	0.0
306	111	6.20e-05	-4.70e-03	-0.19	0.0	0.0	0.0
306	112	6.20e-05	-4.70e-03	-0.27	0.0	0.0	0.0
306	114	0.0	0.0	-0.27	0.0	0.0	0.0
306	115	6.20e-05	-4.70e-03	-0.19	0.0	0.0	0.0
306	116	6.20e-05	-4.70e-03	-0.27	0.0	0.0	0.0
306	118	0.0	0.0	-0.27	0.0	0.0	0.0
306	119	6.20e-05	-4.70e-03	-0.19	0.0	0.0	0.0
306	120	6.20e-05	-4.70e-03	-0.27	0.0	0.0	0.0
306	122	0.0	0.0	-0.27	0.0	0.0	0.0
306	123	6.20e-05	-4.70e-03	-0.19	0.0	0.0	0.0
306	124	6.20e-05	-4.70e-03	-0.27	0.0	0.0	0.0
307	2	0.0	0.0	-0.37	0.0	0.0	0.0
307	4	1.72e-04	-7.03e-03	-0.37	-1.61e-06	-5.71e-06	0.0
307	7	1.72e-04	-7.03e-03	-0.20	-1.61e-06	-5.71e-06	0.0
307	10	0.0	0.0	-0.30	0.0	0.0	0.0
307	25	0.13	0.12	-0.27	-1.16e-06	-4.15e-06	0.0
307	35	-0.06	0.08	-0.27	-1.77e-06	-5.01e-06	0.0
307	44	-0.06	-0.19	-0.27	-1.53e-06	-4.42e-06	0.0
307	57	0.06	0.05	-0.27	-1.12e-06	-3.97e-06	0.0
307	67	-0.03	0.03	-0.27	-1.40e-06	-4.38e-06	0.0
307	76	-0.03	-0.09	-0.27	-1.29e-06	-4.10e-06	0.0
307	89	0.13	0.12	-0.27	-1.16e-06	-4.15e-06	0.0
307	108	-0.06	-0.19	-0.27	-1.53e-06	-4.42e-06	0.0
307	110	0.0	0.0	-0.27	0.0	0.0	0.0
307	111	1.15e-04	-4.69e-03	-0.19	-1.07e-06	-3.81e-06	0.0
307	112	1.15e-04	-4.69e-03	-0.27	-1.07e-06	-3.81e-06	0.0
307	114	0.0	0.0	-0.27	0.0	0.0	0.0
307	115	1.15e-04	-4.69e-03	-0.19	-1.07e-06	-3.81e-06	0.0
307	116	1.15e-04	-4.69e-03	-0.27	-1.07e-06	-3.81e-06	0.0
307	118	0.0	0.0	-0.27	0.0	0.0	0.0
307	119	1.15e-04	-4.69e-03	-0.19	-1.07e-06	-3.81e-06	0.0
307	120	1.15e-04	-4.69e-03	-0.27	-1.07e-06	-3.81e-06	0.0
307	122	0.0	0.0	-0.27	0.0	0.0	0.0
307	123	1.15e-04	-4.69e-03	-0.19	-1.07e-06	-3.81e-06	0.0
307	124	1.15e-04	-4.69e-03	-0.27	-1.07e-06	-3.81e-06	0.0
308	2	0.0	0.0	-0.37	0.0	0.0	0.0
308	4	1.88e-04	-7.00e-03	-0.37	-1.77e-06	-6.47e-06	0.0
308	7	1.88e-04	-7.00e-03	-0.20	-1.77e-06	-6.47e-06	0.0
308	10	0.0	0.0	-0.30	0.0	0.0	0.0
308	25	0.14	0.13	-0.27	-1.64e-06	-5.06e-06	0.0
308	31	-0.06	0.13	-0.27	-2.90e-06	-6.77e-06	0.0
308	44	-0.07	-0.20	-0.27	-1.92e-06	-5.31e-06	0.0
308	57	0.07	0.06	-0.27	-1.40e-06	-4.67e-06	0.0
308	63	-0.03	0.06	-0.27	-2.00e-06	-5.49e-06	0.0

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308	76	-0.03	-0.10	-0.27	-1.53e-06	-4.79e-06	0.0
308	89	0.14	0.13	-0.27	-1.64e-06	-5.06e-06	0.0
308	108	-0.07	-0.20	-0.27	-1.92e-06	-5.31e-06	0.0
308	110	0.0	0.0	-0.27	0.0	0.0	0.0
308	111	1.25e-04	-4.67e-03	-0.19	-1.18e-06	-4.31e-06	0.0
308	112	1.25e-04	-4.67e-03	-0.27	-1.18e-06	-4.31e-06	0.0
308	114	0.0	0.0	-0.27	0.0	0.0	0.0
308	115	1.25e-04	-4.67e-03	-0.19	-1.18e-06	-4.31e-06	0.0
308	116	1.25e-04	-4.67e-03	-0.27	-1.18e-06	-4.31e-06	0.0
308	118	0.0	0.0	-0.27	0.0	0.0	0.0
308	119	1.25e-04	-4.67e-03	-0.19	-1.18e-06	-4.31e-06	0.0
308	120	1.25e-04	-4.67e-03	-0.27	-1.18e-06	-4.31e-06	0.0
308	122	0.0	0.0	-0.27	0.0	0.0	0.0
308	123	1.25e-04	-4.67e-03	-0.19	-1.18e-06	-4.31e-06	0.0
308	124	1.25e-04	-4.67e-03	-0.27	-1.18e-06	-4.31e-06	0.0
309	2	0.0	0.0	-0.37	0.0	0.0	0.0
309	4	1.82e-04	-6.97e-03	-0.37	-1.49e-06	-5.93e-06	0.0
309	7	1.82e-04	-6.97e-03	-0.20	-1.49e-06	-5.93e-06	0.0
309	10	0.0	0.0	-0.30	0.0	0.0	0.0
309	15	-0.11	0.12	-0.27	-3.43e-06	-7.40e-06	0.0
309	25	0.14	0.14	-0.27	-1.85e-06	-5.06e-06	0.0
309	44	-0.07	-0.21	-0.27	-2.13e-06	-5.37e-06	0.0
309	47	-0.05	0.05	-0.27	-2.15e-06	-5.61e-06	0.0
309	57	0.07	0.06	-0.27	-1.40e-06	-4.48e-06	0.0
309	76	-0.03	-0.10	-0.27	-1.54e-06	-4.64e-06	0.0
309	89	0.14	0.14	-0.27	-1.85e-06	-5.06e-06	0.0
309	108	-0.07	-0.21	-0.27	-2.13e-06	-5.37e-06	0.0
309	110	0.0	0.0	-0.27	0.0	0.0	0.0
309	111	1.21e-04	-4.65e-03	-0.19	0.0	-3.95e-06	0.0
309	112	1.21e-04	-4.65e-03	-0.27	0.0	-3.95e-06	0.0
309	114	0.0	0.0	-0.27	0.0	0.0	0.0
309	115	1.21e-04	-4.65e-03	-0.19	0.0	-3.95e-06	0.0
309	116	1.21e-04	-4.65e-03	-0.27	0.0	-3.95e-06	0.0
309	118	0.0	0.0	-0.27	0.0	0.0	0.0
309	119	1.21e-04	-4.65e-03	-0.19	0.0	-3.95e-06	0.0
309	120	1.21e-04	-4.65e-03	-0.27	0.0	-3.95e-06	0.0
309	122	0.0	0.0	-0.27	0.0	0.0	0.0
309	123	1.21e-04	-4.65e-03	-0.19	0.0	-3.95e-06	0.0
309	124	1.21e-04	-4.65e-03	-0.27	0.0	-3.95e-06	0.0
310	2	0.0	0.0	-0.37	0.0	0.0	0.0
310	4	1.75e-04	-6.94e-03	-0.37	-1.18e-06	-5.33e-06	0.0
310	7	1.75e-04	-6.94e-03	-0.20	-1.18e-06	-5.33e-06	0.0
310	10	0.0	0.0	-0.30	0.0	0.0	0.0
310	15	-0.11	0.13	-0.27	-4.07e-06	-7.73e-06	0.0
310	25	0.14	0.15	-0.27	-2.06e-06	-4.92e-06	0.0
310	44	-0.07	-0.22	-0.27	-2.38e-06	-5.33e-06	0.0
310	47	-0.05	0.06	-0.27	-2.36e-06	-5.56e-06	0.0
310	57	0.07	0.07	-0.27	-1.40e-06	-4.20e-06	0.0
310	76	-0.03	-0.11	-0.27	-1.55e-06	-4.41e-06	0.0
310	89	0.14	0.15	-0.27	-2.06e-06	-4.92e-06	0.0
310	108	-0.07	-0.22	-0.27	-2.38e-06	-5.33e-06	0.0
310	110	0.0	0.0	-0.27	0.0	0.0	0.0
310	111	1.17e-04	-4.63e-03	-0.19	0.0	-3.56e-06	0.0
310	112	1.17e-04	-4.63e-03	-0.27	0.0	-3.56e-06	0.0
310	114	0.0	0.0	-0.27	0.0	0.0	0.0
310	115	1.17e-04	-4.63e-03	-0.19	0.0	-3.56e-06	0.0
310	116	1.17e-04	-4.63e-03	-0.27	0.0	-3.56e-06	0.0
310	118	0.0	0.0	-0.27	0.0	0.0	0.0
310	119	1.17e-04	-4.63e-03	-0.19	0.0	-3.56e-06	0.0
310	120	1.17e-04	-4.63e-03	-0.27	0.0	-3.56e-06	0.0
310	122	0.0	0.0	-0.27	0.0	0.0	0.0
310	123	1.17e-04	-4.63e-03	-0.19	0.0	-3.56e-06	0.0
310	124	1.17e-04	-4.63e-03	-0.27	0.0	-3.56e-06	0.0
311	4	1.74e-04	-6.92e-03	-0.37	0.0	-5.04e-06	0.0
311	7	1.74e-04	-6.92e-03	-0.20	0.0	-5.04e-06	0.0

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311	12	1.51e-04	-5.99e-03	-0.30	0.0	-4.37e-06	0.0
311	15	-0.11	0.14	-0.28	-4.63e-06	-7.78e-06	0.0
311	25	0.14	0.16	-0.27	-2.31e-06	-4.84e-06	0.0
311	44	-0.07	-0.22	-0.27	-2.60e-06	-5.22e-06	0.0
311	47	-0.05	0.06	-0.27	-2.55e-06	-5.48e-06	0.0
311	57	0.07	0.07	-0.27	-1.45e-06	-4.07e-06	0.0
311	76	-0.04	-0.11	-0.27	-1.59e-06	-4.26e-06	0.0
311	89	0.14	0.16	-0.27	-2.31e-06	-4.84e-06	0.0
311	108	-0.07	-0.22	-0.27	-2.60e-06	-5.22e-06	0.0
311	111	1.16e-04	-4.61e-03	-0.19	0.0	-3.36e-06	0.0
311	112	1.16e-04	-4.61e-03	-0.27	0.0	-3.36e-06	0.0
311	115	1.16e-04	-4.61e-03	-0.19	0.0	-3.36e-06	0.0
311	116	1.16e-04	-4.61e-03	-0.27	0.0	-3.36e-06	0.0
311	119	1.16e-04	-4.61e-03	-0.19	0.0	-3.36e-06	0.0
311	120	1.16e-04	-4.61e-03	-0.27	0.0	-3.36e-06	0.0
311	123	1.16e-04	-4.61e-03	-0.19	0.0	-3.36e-06	0.0
311	124	1.16e-04	-4.61e-03	-0.27	0.0	-3.36e-06	0.0
312	4	-2.82e-03	-6.77e-03	-0.40	2.86e-05	1.63e-04	0.0
312	7	-2.82e-03	-6.77e-03	-0.23	2.86e-05	1.63e-04	0.0
312	12	-2.44e-03	-5.87e-03	-0.32	2.48e-05	1.42e-04	0.0
312	14	0.11	-0.07	-0.29	1.91e-05	1.12e-04	0.0
312	28	-0.12	-0.08	-0.29	1.73e-05	1.06e-04	0.0
312	44	-0.04	-0.15	-0.29	1.71e-05	1.09e-04	0.0
312	46	0.05	-0.04	-0.29	1.91e-05	1.11e-04	0.0
312	60	-0.06	-0.04	-0.29	1.82e-05	1.08e-04	0.0
312	76	-0.02	-0.07	-0.29	1.81e-05	1.09e-04	0.0
312	92	-0.12	-0.08	-0.29	1.73e-05	1.06e-04	0.0
312	108	-0.04	-0.15	-0.29	1.71e-05	1.09e-04	0.0
312	111	-1.88e-03	-4.51e-03	-0.21	1.91e-05	1.09e-04	0.0
312	112	-1.88e-03	-4.51e-03	-0.29	1.91e-05	1.09e-04	0.0
312	115	-1.88e-03	-4.51e-03	-0.21	1.91e-05	1.09e-04	0.0
312	116	-1.88e-03	-4.51e-03	-0.29	1.91e-05	1.09e-04	0.0
312	119	-1.88e-03	-4.51e-03	-0.21	1.91e-05	1.09e-04	0.0
312	120	-1.88e-03	-4.51e-03	-0.29	1.91e-05	1.09e-04	0.0
312	123	-1.88e-03	-4.51e-03	-0.21	1.91e-05	1.09e-04	0.0
312	124	-1.88e-03	-4.51e-03	-0.29	1.91e-05	1.09e-04	0.0
313	4	-1.51e-03	-6.93e-03	-0.38	1.51e-05	8.88e-05	0.0
313	7	-1.51e-03	-6.93e-03	-0.21	1.51e-05	8.88e-05	0.0
313	12	-1.31e-03	-6.00e-03	-0.31	1.31e-05	7.70e-05	0.0
313	14	0.11	-0.08	-0.28	1.00e-05	6.20e-05	0.0
313	28	-0.12	-0.09	-0.28	8.85e-06	5.68e-05	0.0
313	44	-0.04	-0.16	-0.28	9.03e-06	5.91e-05	0.0
313	46	0.05	-0.04	-0.28	1.01e-05	6.05e-05	0.0
313	60	-0.06	-0.05	-0.28	9.49e-06	5.80e-05	0.0
313	76	-0.02	-0.08	-0.28	9.57e-06	5.91e-05	0.0
313	92	-0.12	-0.09	-0.28	8.85e-06	5.68e-05	0.0
313	108	-0.04	-0.16	-0.28	9.03e-06	5.91e-05	0.0
313	111	-1.01e-03	-4.62e-03	-0.20	1.01e-05	5.92e-05	0.0
313	112	-1.01e-03	-4.62e-03	-0.28	1.01e-05	5.92e-05	0.0
313	115	-1.01e-03	-4.62e-03	-0.20	1.01e-05	5.92e-05	0.0
313	116	-1.01e-03	-4.62e-03	-0.28	1.01e-05	5.92e-05	0.0
313	119	-1.01e-03	-4.62e-03	-0.20	1.01e-05	5.92e-05	0.0
313	120	-1.01e-03	-4.62e-03	-0.28	1.01e-05	5.92e-05	0.0
313	123	-1.01e-03	-4.62e-03	-0.20	1.01e-05	5.92e-05	0.0
313	124	-1.01e-03	-4.62e-03	-0.28	1.01e-05	5.92e-05	0.0
314	4	-6.67e-04	-7.01e-03	-0.37	6.80e-06	4.04e-05	0.0
314	7	-6.67e-04	-7.01e-03	-0.20	6.80e-06	4.04e-05	0.0
314	12	-5.78e-04	-6.07e-03	-0.30	5.90e-06	3.50e-05	0.0
314	14	0.11	-0.09	-0.27	4.47e-06	2.91e-05	0.0
314	28	-0.12	-0.10	-0.27	3.69e-06	2.51e-05	0.0
314	44	-0.04	-0.17	-0.27	4.04e-06	2.68e-05	0.0
314	46	0.05	-0.04	-0.27	4.51e-06	2.80e-05	0.0
314	60	-0.06	-0.05	-0.27	4.13e-06	2.60e-05	0.0
314	76	-0.02	-0.08	-0.27	4.30e-06	2.68e-05	0.0
314	92	-0.12	-0.10	-0.27	3.69e-06	2.51e-05	0.0

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314	108	-0.04	-0.17	-0.27	4.04e-06	2.68e-05	0.0
314	111	-4.45e-04	-4.67e-03	-0.19	4.54e-06	2.69e-05	0.0
314	112	-4.45e-04	-4.67e-03	-0.27	4.54e-06	2.69e-05	0.0
314	115	-4.45e-04	-4.67e-03	-0.19	4.54e-06	2.69e-05	0.0
314	116	-4.45e-04	-4.67e-03	-0.27	4.54e-06	2.69e-05	0.0
314	119	-4.45e-04	-4.67e-03	-0.19	4.54e-06	2.69e-05	0.0
314	120	-4.45e-04	-4.67e-03	-0.27	4.54e-06	2.69e-05	0.0
314	123	-4.45e-04	-4.67e-03	-0.19	4.54e-06	2.69e-05	0.0
314	124	-4.45e-04	-4.67e-03	-0.27	4.54e-06	2.69e-05	0.0
315	2	0.0	0.0	-0.37	0.0	0.0	0.0
315	7	-1.84e-04	-7.03e-03	-0.20	2.25e-06	1.28e-05	0.0
315	10	0.0	0.0	-0.30	0.0	0.0	0.0
315	14	0.11	-0.10	-0.27	1.19e-06	1.03e-05	0.0
315	28	-0.12	-0.11	-0.27	1.04e-06	7.27e-06	0.0
315	44	-0.05	-0.17	-0.27	1.50e-06	8.32e-06	0.0
315	46	0.05	-0.05	-0.27	1.35e-06	9.37e-06	0.0
315	60	-0.06	-0.06	-0.27	1.28e-06	7.92e-06	0.0
315	76	-0.02	-0.09	-0.27	1.50e-06	8.42e-06	0.0
315	92	-0.12	-0.11	-0.27	1.04e-06	7.27e-06	0.0
315	108	-0.05	-0.17	-0.27	1.50e-06	8.32e-06	0.0
315	110	0.0	0.0	-0.27	0.0	0.0	0.0
315	111	-1.23e-04	-4.69e-03	-0.19	1.50e-06	8.52e-06	0.0
315	114	0.0	0.0	-0.27	0.0	0.0	0.0
315	115	-1.23e-04	-4.69e-03	-0.19	1.50e-06	8.52e-06	0.0
315	118	0.0	0.0	-0.27	0.0	0.0	0.0
315	119	-1.23e-04	-4.69e-03	-0.19	1.50e-06	8.52e-06	0.0
315	122	0.0	0.0	-0.27	0.0	0.0	0.0
315	123	-1.23e-04	-4.69e-03	-0.19	1.50e-06	8.52e-06	0.0
316	2	0.0	0.0	-0.37	0.0	0.0	0.0
316	4	5.21e-05	-7.03e-03	-0.37	0.0	0.0	0.0
316	7	5.21e-05	-7.03e-03	-0.20	0.0	0.0	0.0
316	10	0.0	0.0	-0.30	0.0	0.0	0.0
316	17	0.11	-0.03	-0.27	0.0	0.0	0.0
316	25	0.12	0.11	-0.27	0.0	0.0	0.0
316	44	-0.05	-0.18	-0.27	0.0	0.0	0.0
316	49	0.05	-0.02	-0.27	0.0	0.0	0.0
316	57	0.06	0.05	-0.27	0.0	0.0	0.0
316	76	-0.02	-0.09	-0.27	0.0	0.0	0.0
316	89	0.12	0.11	-0.27	0.0	0.0	0.0
316	108	-0.05	-0.18	-0.27	0.0	0.0	0.0
316	110	0.0	0.0	-0.27	0.0	0.0	0.0
316	111	3.47e-05	-4.68e-03	-0.19	0.0	0.0	0.0
316	112	3.47e-05	-4.68e-03	-0.27	0.0	0.0	0.0
316	114	0.0	0.0	-0.27	0.0	0.0	0.0
316	115	3.47e-05	-4.68e-03	-0.19	0.0	0.0	0.0
316	116	3.47e-05	-4.68e-03	-0.27	0.0	0.0	0.0
316	118	0.0	0.0	-0.27	0.0	0.0	0.0
316	119	3.47e-05	-4.68e-03	-0.19	0.0	0.0	0.0
316	120	3.47e-05	-4.68e-03	-0.27	0.0	0.0	0.0
316	122	0.0	0.0	-0.27	0.0	0.0	0.0
316	123	3.47e-05	-4.68e-03	-0.19	0.0	0.0	0.0
316	124	3.47e-05	-4.68e-03	-0.27	0.0	0.0	0.0
317	2	0.0	0.0	-0.37	0.0	0.0	0.0
317	4	1.42e-04	-7.00e-03	-0.37	0.0	-5.82e-06	0.0
317	7	1.42e-04	-7.00e-03	-0.20	0.0	-5.82e-06	0.0
317	10	0.0	0.0	-0.30	0.0	0.0	0.0
317	23	-0.12	-0.05	-0.27	0.0	-3.39e-06	0.0
317	25	0.12	0.12	-0.27	0.0	-4.46e-06	0.0
317	44	-0.05	-0.19	-0.27	0.0	-4.09e-06	0.0
317	55	-0.06	-0.03	-0.27	0.0	-3.65e-06	0.0
317	57	0.06	0.06	-0.27	0.0	-4.16e-06	0.0
317	76	-0.02	-0.09	-0.27	0.0	-3.98e-06	0.0
317	89	0.12	0.12	-0.27	0.0	-4.46e-06	0.0
317	108	-0.05	-0.19	-0.27	0.0	-4.09e-06	0.0
317	110	0.0	0.0	-0.27	0.0	0.0	0.0

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317	111	9.50e-05	-4.67e-03	-0.19	0.0	-3.88e-06	0.0
317	112	9.50e-05	-4.67e-03	-0.27	0.0	-3.88e-06	0.0
317	114	0.0	0.0	-0.27	0.0	0.0	0.0
317	115	9.50e-05	-4.67e-03	-0.19	0.0	-3.88e-06	0.0
317	116	9.50e-05	-4.67e-03	-0.27	0.0	-3.88e-06	0.0
317	118	0.0	0.0	-0.27	0.0	0.0	0.0
317	119	9.50e-05	-4.67e-03	-0.19	0.0	-3.88e-06	0.0
317	120	9.50e-05	-4.67e-03	-0.27	0.0	-3.88e-06	0.0
317	122	0.0	0.0	-0.27	0.0	0.0	0.0
317	123	9.50e-05	-4.67e-03	-0.19	0.0	-3.88e-06	0.0
317	124	9.50e-05	-4.67e-03	-0.27	0.0	-3.88e-06	0.0
318	2	0.0	0.0	-0.37	0.0	0.0	0.0
318	4	1.61e-04	-6.97e-03	-0.37	0.0	-6.79e-06	0.0
318	7	1.61e-04	-6.97e-03	-0.20	0.0	-6.79e-06	0.0
318	10	0.0	0.0	-0.30	0.0	0.0	0.0
318	15	-0.11	0.11	-0.27	-1.64e-06	-6.56e-06	0.0
318	25	0.12	0.13	-0.27	0.0	-5.41e-06	0.0
318	44	-0.05	-0.20	-0.27	-1.06e-06	-4.92e-06	0.0
318	47	-0.05	0.05	-0.27	-1.03e-06	-5.50e-06	0.0
318	57	0.06	0.06	-0.27	0.0	-4.95e-06	0.0
318	76	-0.02	-0.10	-0.27	0.0	-4.72e-06	0.0
318	89	0.12	0.13	-0.27	0.0	-5.41e-06	0.0
318	108	-0.05	-0.20	-0.27	-1.06e-06	-4.92e-06	0.0
318	110	0.0	0.0	-0.27	0.0	0.0	0.0
318	111	1.07e-04	-4.65e-03	-0.19	0.0	-4.53e-06	0.0
318	112	1.07e-04	-4.65e-03	-0.27	0.0	-4.53e-06	0.0
318	114	0.0	0.0	-0.27	0.0	0.0	0.0
318	115	1.07e-04	-4.65e-03	-0.19	0.0	-4.53e-06	0.0
318	116	1.07e-04	-4.65e-03	-0.27	0.0	-4.53e-06	0.0
318	118	0.0	0.0	-0.27	0.0	0.0	0.0
318	119	1.07e-04	-4.65e-03	-0.19	0.0	-4.53e-06	0.0
318	120	1.07e-04	-4.65e-03	-0.27	0.0	-4.53e-06	0.0
318	122	0.0	0.0	-0.27	0.0	0.0	0.0
318	123	1.07e-04	-4.65e-03	-0.19	0.0	-4.53e-06	0.0
318	124	1.07e-04	-4.65e-03	-0.27	0.0	-4.53e-06	0.0
319	2	0.0	0.0	-0.37	0.0	0.0	0.0
319	4	1.53e-04	-6.94e-03	-0.37	0.0	-6.26e-06	0.0
319	7	1.53e-04	-6.94e-03	-0.20	0.0	-6.26e-06	0.0
319	10	0.0	0.0	-0.30	0.0	0.0	0.0
319	15	-0.11	0.12	-0.27	-2.22e-06	-6.83e-06	0.0
319	25	0.13	0.14	-0.27	-1.06e-06	-5.46e-06	0.0
319	44	-0.05	-0.21	-0.27	-1.30e-06	-4.74e-06	0.0
319	47	-0.05	0.06	-0.27	-1.24e-06	-5.45e-06	0.0
319	57	0.06	0.07	-0.27	0.0	-4.79e-06	0.0
319	76	-0.02	-0.10	-0.27	0.0	-4.45e-06	0.0
319	89	0.13	0.14	-0.27	-1.06e-06	-5.46e-06	0.0
319	108	-0.05	-0.21	-0.27	-1.30e-06	-4.74e-06	0.0
319	110	0.0	0.0	-0.27	0.0	0.0	0.0
319	111	1.02e-04	-4.62e-03	-0.19	0.0	-4.18e-06	0.0
319	112	1.02e-04	-4.62e-03	-0.27	0.0	-4.18e-06	0.0
319	114	0.0	0.0	-0.27	0.0	0.0	0.0
319	115	1.02e-04	-4.62e-03	-0.19	0.0	-4.18e-06	0.0
319	116	1.02e-04	-4.62e-03	-0.27	0.0	-4.18e-06	0.0
319	118	0.0	0.0	-0.27	0.0	0.0	0.0
319	119	1.02e-04	-4.62e-03	-0.19	0.0	-4.18e-06	0.0
319	120	1.02e-04	-4.62e-03	-0.27	0.0	-4.18e-06	0.0
319	122	0.0	0.0	-0.27	0.0	0.0	0.0
319	123	1.02e-04	-4.62e-03	-0.19	0.0	-4.18e-06	0.0
319	124	1.02e-04	-4.62e-03	-0.27	0.0	-4.18e-06	0.0
320	2	0.0	0.0	-0.37	0.0	0.0	0.0
320	4	1.44e-04	-6.91e-03	-0.37	0.0	-5.64e-06	0.0
320	7	1.44e-04	-6.91e-03	-0.20	0.0	-5.64e-06	0.0
320	10	0.0	0.0	-0.30	0.0	0.0	0.0
320	15	-0.11	0.13	-0.27	-2.90e-06	-7.04e-06	0.0
320	25	0.13	0.15	-0.27	-1.31e-06	-5.39e-06	0.0

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320	44	-0.05	-0.22	-0.27	-1.63e-06	-4.45e-06	0.0
320	47	-0.05	0.06	-0.27	-1.50e-06	-5.33e-06	0.0
320	57	0.06	0.07	-0.27	0.0	-4.54e-06	0.0
320	76	-0.03	-0.11	-0.27	0.0	-4.09e-06	0.0
320	89	0.13	0.15	-0.27	-1.31e-06	-5.39e-06	0.0
320	108	-0.05	-0.22	-0.27	-1.63e-06	-4.45e-06	0.0
320	110	0.0	0.0	-0.27	0.0	0.0	0.0
320	111	9.59e-05	-4.60e-03	-0.19	0.0	-3.76e-06	0.0
320	112	9.59e-05	-4.60e-03	-0.27	0.0	-3.76e-06	0.0
320	114	0.0	0.0	-0.27	0.0	0.0	0.0
320	115	9.59e-05	-4.60e-03	-0.19	0.0	-3.76e-06	0.0
320	116	9.59e-05	-4.60e-03	-0.27	0.0	-3.76e-06	0.0
320	118	0.0	0.0	-0.27	0.0	0.0	0.0
320	119	9.59e-05	-4.60e-03	-0.19	0.0	-3.76e-06	0.0
320	120	9.59e-05	-4.60e-03	-0.27	0.0	-3.76e-06	0.0
320	122	0.0	0.0	-0.27	0.0	0.0	0.0
320	123	9.59e-05	-4.60e-03	-0.19	0.0	-3.76e-06	0.0
320	124	9.59e-05	-4.60e-03	-0.27	0.0	-3.76e-06	0.0
321	4	1.41e-04	-6.88e-03	-0.37	0.0	-5.33e-06	0.0
321	7	1.41e-04	-6.88e-03	-0.20	0.0	-5.33e-06	0.0
321	12	1.22e-04	-5.96e-03	-0.30	0.0	-4.62e-06	0.0
321	15	-0.11	0.14	-0.27	-3.55e-06	-7.08e-06	0.0
321	25	0.13	0.16	-0.27	-1.58e-06	-5.37e-06	0.0
321	44	-0.05	-0.23	-0.27	-1.97e-06	-4.25e-06	0.0
321	47	-0.05	0.07	-0.27	-1.75e-06	-5.25e-06	0.0
321	57	0.06	0.08	-0.27	0.0	-4.42e-06	0.0
321	76	-0.03	-0.11	-0.27	-1.00e-06	-3.89e-06	0.0
321	89	0.13	0.16	-0.27	-1.58e-06	-5.37e-06	0.0
321	108	-0.05	-0.23	-0.27	-1.97e-06	-4.25e-06	0.0
321	111	9.37e-05	-4.59e-03	-0.19	0.0	-3.55e-06	0.0
321	112	9.37e-05	-4.59e-03	-0.27	0.0	-3.55e-06	0.0
321	115	9.37e-05	-4.59e-03	-0.19	0.0	-3.55e-06	0.0
321	116	9.37e-05	-4.59e-03	-0.27	0.0	-3.55e-06	0.0
321	119	9.37e-05	-4.59e-03	-0.19	0.0	-3.55e-06	0.0
321	120	9.37e-05	-4.59e-03	-0.27	0.0	-3.55e-06	0.0
321	123	9.37e-05	-4.59e-03	-0.19	0.0	-3.55e-06	0.0
321	124	9.37e-05	-4.59e-03	-0.27	0.0	-3.55e-06	0.0
322	4	-2.97e-03	-7.30e-03	-0.40	-2.15e-06	1.70e-04	0.0
322	7	-2.97e-03	-7.30e-03	-0.23	-2.15e-06	1.70e-04	0.0
322	12	-2.57e-03	-6.33e-03	-0.33	-1.86e-06	1.48e-04	0.0
322	22	0.11	9.47e-04	-0.29	-1.85e-06	1.17e-04	0.0
322	23	-0.12	-0.01	-0.29	-1.02e-06	1.10e-04	0.0
322	44	-0.04	-0.15	-0.29	-3.39e-06	1.13e-04	0.0
322	54	0.05	-2.05e-03	-0.29	-1.63e-06	1.15e-04	0.0
322	55	-0.06	-7.69e-03	-0.29	-1.23e-06	1.12e-04	0.0
322	76	-0.02	-0.07	-0.29	-2.37e-06	1.13e-04	0.0
322	87	-0.12	-0.01	-0.29	-1.02e-06	1.10e-04	0.0
322	108	-0.04	-0.15	-0.29	-3.39e-06	1.13e-04	0.0
322	111	-1.98e-03	-4.87e-03	-0.21	-1.43e-06	1.14e-04	0.0
322	112	-1.98e-03	-4.87e-03	-0.29	-1.43e-06	1.14e-04	0.0
322	115	-1.98e-03	-4.87e-03	-0.21	-1.43e-06	1.14e-04	0.0
322	116	-1.98e-03	-4.87e-03	-0.29	-1.43e-06	1.14e-04	0.0
322	119	-1.98e-03	-4.87e-03	-0.21	-1.43e-06	1.14e-04	0.0
322	120	-1.98e-03	-4.87e-03	-0.29	-1.43e-06	1.14e-04	0.0
322	123	-1.98e-03	-4.87e-03	-0.21	-1.43e-06	1.14e-04	0.0
322	124	-1.98e-03	-4.87e-03	-0.29	-1.43e-06	1.14e-04	0.0
323	4	-1.61e-03	-7.20e-03	-0.38	0.0	9.27e-05	0.0
323	7	-1.61e-03	-7.20e-03	-0.21	0.0	9.27e-05	0.0
323	12	-1.40e-03	-6.24e-03	-0.31	0.0	8.03e-05	0.0
323	22	0.11	9.72e-03	-0.28	0.0	6.46e-05	0.0
323	23	-0.11	-0.02	-0.28	0.0	5.90e-05	0.0
323	44	-0.04	-0.16	-0.28	-1.57e-06	6.09e-05	0.0
323	54	0.05	2.20e-03	-0.28	0.0	6.31e-05	0.0
323	55	-0.06	-0.01	-0.28	0.0	6.05e-05	0.0
323	76	-0.02	-0.08	-0.28	-1.06e-06	6.14e-05	0.0

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323	87	-0.11	-0.02	-0.28	0.0	5.90e-05	0.0
323	108	-0.04	-0.16	-0.28	-1.57e-06	6.09e-05	0.0
323	111	-1.08e-03	-4.80e-03	-0.20	0.0	6.18e-05	0.0
323	112	-1.08e-03	-4.80e-03	-0.28	0.0	6.18e-05	0.0
323	115	-1.08e-03	-4.80e-03	-0.20	0.0	6.18e-05	0.0
323	116	-1.08e-03	-4.80e-03	-0.28	0.0	6.18e-05	0.0
323	119	-1.08e-03	-4.80e-03	-0.20	0.0	6.18e-05	0.0
323	120	-1.08e-03	-4.80e-03	-0.28	0.0	6.18e-05	0.0
323	123	-1.08e-03	-4.80e-03	-0.20	0.0	6.18e-05	0.0
323	124	-1.08e-03	-4.80e-03	-0.28	0.0	6.18e-05	0.0
324	4	-7.32e-04	-7.13e-03	-0.37	0.0	4.23e-05	0.0
324	7	-7.32e-04	-7.13e-03	-0.20	0.0	4.23e-05	0.0
324	12	-6.35e-04	-6.18e-03	-0.30	0.0	3.66e-05	0.0
324	21	0.11	0.08	-0.27	0.0	3.03e-05	0.0
324	23	-0.11	-0.03	-0.27	0.0	2.61e-05	0.0
324	44	-0.03	-0.17	-0.27	0.0	2.75e-05	0.0
324	53	0.05	0.04	-0.27	0.0	2.92e-05	0.0
324	55	-0.05	-0.02	-0.27	0.0	2.72e-05	0.0
324	76	-0.02	-0.08	-0.27	0.0	2.79e-05	0.0
324	87	-0.11	-0.03	-0.27	0.0	2.61e-05	0.0
324	108	-0.03	-0.17	-0.27	0.0	2.75e-05	0.0
324	111	-4.88e-04	-4.75e-03	-0.19	0.0	2.82e-05	0.0
324	112	-4.88e-04	-4.75e-03	-0.27	0.0	2.82e-05	0.0
324	115	-4.88e-04	-4.75e-03	-0.19	0.0	2.82e-05	0.0
324	116	-4.88e-04	-4.75e-03	-0.27	0.0	2.82e-05	0.0
324	119	-4.88e-04	-4.75e-03	-0.19	0.0	2.82e-05	0.0
324	120	-4.88e-04	-4.75e-03	-0.27	0.0	2.82e-05	0.0
324	123	-4.88e-04	-4.75e-03	-0.19	0.0	2.82e-05	0.0
324	124	-4.88e-04	-4.75e-03	-0.27	0.0	2.82e-05	0.0
325	2	0.0	0.0	-0.37	0.0	0.0	0.0
325	7	-2.30e-04	-7.07e-03	-0.20	0.0	1.35e-05	0.0
325	10	0.0	0.0	-0.30	0.0	0.0	0.0
325	21	0.11	0.09	-0.27	0.0	1.05e-05	0.0
325	23	-0.11	-0.04	-0.27	0.0	7.48e-06	0.0
325	44	-0.03	-0.18	-0.27	0.0	8.55e-06	0.0
325	53	0.05	0.04	-0.27	0.0	9.74e-06	0.0
325	55	-0.05	-0.02	-0.27	0.0	8.28e-06	0.0
325	76	-0.02	-0.09	-0.27	0.0	8.79e-06	0.0
325	87	-0.11	-0.04	-0.27	0.0	7.48e-06	0.0
325	108	-0.03	-0.18	-0.27	0.0	8.55e-06	0.0
325	110	0.0	0.0	-0.27	0.0	0.0	0.0
325	111	-1.53e-04	-4.71e-03	-0.19	0.0	9.01e-06	0.0
325	114	0.0	0.0	-0.27	0.0	0.0	0.0
325	115	-1.53e-04	-4.71e-03	-0.19	0.0	9.01e-06	0.0
325	118	0.0	0.0	-0.27	0.0	0.0	0.0
325	119	-1.53e-04	-4.71e-03	-0.19	0.0	9.01e-06	0.0
325	122	0.0	0.0	-0.27	0.0	0.0	0.0
325	123	-1.53e-04	-4.71e-03	-0.19	0.0	9.01e-06	0.0
326	2	0.0	0.0	-0.37	0.0	0.0	0.0
326	4	1.49e-05	-7.02e-03	-0.37	0.0	0.0	0.0
326	8	1.49e-05	-7.02e-03	-0.32	0.0	0.0	0.0
326	10	0.0	0.0	-0.30	0.0	0.0	0.0
326	21	0.11	0.10	-0.27	0.0	0.0	0.0
326	22	0.11	0.03	-0.27	0.0	0.0	0.0
326	44	-0.03	-0.18	-0.27	0.0	0.0	0.0
326	53	0.05	0.04	-0.27	0.0	0.0	0.0
326	57	0.05	0.05	-0.27	0.0	0.0	0.0
326	76	-0.02	-0.09	-0.27	0.0	0.0	0.0
326	86	0.11	0.03	-0.27	0.0	0.0	0.0
326	108	-0.03	-0.18	-0.27	0.0	0.0	0.0
326	110	0.0	0.0	-0.27	0.0	0.0	0.0
326	112	9.94e-06	-4.68e-03	-0.27	0.0	0.0	0.0
326	114	0.0	0.0	-0.27	0.0	0.0	0.0
326	116	9.94e-06	-4.68e-03	-0.27	0.0	0.0	0.0
326	118	0.0	0.0	-0.27	0.0	0.0	0.0

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326	120	9.94e-06	-4.68e-03	-0.27	0.0	0.0	0.0
326	122	0.0	0.0	-0.27	0.0	0.0	0.0
326	124	9.94e-06	-4.68e-03	-0.27	0.0	0.0	0.0
327	2	0.0	0.0	-0.37	0.0	0.0	0.0
327	4	1.08e-04	-6.98e-03	-0.37	0.0	-5.89e-06	0.0
327	7	1.08e-04	-6.98e-03	-0.20	0.0	-5.89e-06	0.0
327	10	0.0	0.0	-0.30	0.0	0.0	0.0
327	23	-0.11	-0.05	-0.27	0.0	-4.97e-06	0.0
327	25	0.11	0.12	-0.27	0.0	-2.88e-06	0.0
327	44	-0.03	-0.19	-0.27	0.0	-4.24e-06	0.0
327	55	-0.05	-0.03	-0.27	0.0	-4.42e-06	0.0
327	57	0.05	0.06	-0.27	0.0	-3.42e-06	0.0
327	76	-0.02	-0.10	-0.27	0.0	-4.07e-06	0.0
327	89	0.11	0.12	-0.27	0.0	-2.88e-06	0.0
327	108	-0.03	-0.19	-0.27	0.0	-4.24e-06	0.0
327	110	0.0	0.0	-0.27	0.0	0.0	0.0
327	111	7.20e-05	-4.65e-03	-0.19	0.0	-3.92e-06	0.0
327	112	7.20e-05	-4.65e-03	-0.27	0.0	-3.92e-06	0.0
327	114	0.0	0.0	-0.27	0.0	0.0	0.0
327	115	7.20e-05	-4.65e-03	-0.19	0.0	-3.92e-06	0.0
327	116	7.20e-05	-4.65e-03	-0.27	0.0	-3.92e-06	0.0
327	118	0.0	0.0	-0.27	0.0	0.0	0.0
327	119	7.20e-05	-4.65e-03	-0.19	0.0	-3.92e-06	0.0
327	120	7.20e-05	-4.65e-03	-0.27	0.0	-3.92e-06	0.0
327	122	0.0	0.0	-0.27	0.0	0.0	0.0
327	123	7.20e-05	-4.65e-03	-0.19	0.0	-3.92e-06	0.0
327	124	7.20e-05	-4.65e-03	-0.27	0.0	-3.92e-06	0.0
328	2	0.0	0.0	-0.37	0.0	0.0	0.0
328	4	1.26e-04	-6.94e-03	-0.37	0.0	-6.93e-06	0.0
328	7	1.26e-04	-6.94e-03	-0.20	0.0	-6.93e-06	0.0
328	10	0.0	0.0	-0.30	0.0	0.0	0.0
328	15	-0.11	0.11	-0.27	0.0	-5.96e-06	0.0
328	25	0.11	0.13	-0.27	0.0	-3.28e-06	0.0
328	44	-0.03	-0.20	-0.27	0.0	-5.02e-06	0.0
328	47	-0.05	0.05	-0.27	0.0	-5.26e-06	0.0
328	57	0.05	0.06	-0.27	0.0	-3.98e-06	0.0
328	76	-0.02	-0.10	-0.27	0.0	-4.81e-06	0.0
328	89	0.11	0.13	-0.27	0.0	-3.28e-06	0.0
328	108	-0.03	-0.20	-0.27	0.0	-5.02e-06	0.0
328	110	0.0	0.0	-0.27	0.0	0.0	0.0
328	111	8.40e-05	-4.63e-03	-0.19	0.0	-4.62e-06	0.0
328	112	8.40e-05	-4.63e-03	-0.27	0.0	-4.62e-06	0.0
328	114	0.0	0.0	-0.27	0.0	0.0	0.0
328	115	8.40e-05	-4.63e-03	-0.19	0.0	-4.62e-06	0.0
328	116	8.40e-05	-4.63e-03	-0.27	0.0	-4.62e-06	0.0
328	118	0.0	0.0	-0.27	0.0	0.0	0.0
328	119	8.40e-05	-4.63e-03	-0.19	0.0	-4.62e-06	0.0
328	120	8.40e-05	-4.63e-03	-0.27	0.0	-4.62e-06	0.0
328	122	0.0	0.0	-0.27	0.0	0.0	0.0
328	123	8.40e-05	-4.63e-03	-0.19	0.0	-4.62e-06	0.0
328	124	8.40e-05	-4.63e-03	-0.27	0.0	-4.62e-06	0.0
329	2	0.0	0.0	-0.37	0.0	0.0	0.0
329	4	1.17e-04	-6.91e-03	-0.37	0.0	-6.42e-06	0.0
329	7	1.17e-04	-6.91e-03	-0.20	0.0	-6.42e-06	0.0
329	10	0.0	0.0	-0.30	0.0	0.0	0.0
329	15	-0.11	0.12	-0.27	-1.24e-06	-6.12e-06	0.0
329	25	0.11	0.14	-0.27	0.0	-2.45e-06	0.0
329	44	-0.03	-0.21	-0.27	0.0	-4.83e-06	0.0
329	47	-0.05	0.06	-0.27	0.0	-5.16e-06	0.0
329	57	0.05	0.07	-0.27	0.0	-3.40e-06	0.0
329	76	-0.02	-0.10	-0.27	0.0	-4.55e-06	0.0
329	89	0.11	0.14	-0.27	0.0	-2.45e-06	0.0
329	108	-0.03	-0.21	-0.27	0.0	-4.83e-06	0.0
329	110	0.0	0.0	-0.27	0.0	0.0	0.0
329	111	7.79e-05	-4.61e-03	-0.19	0.0	-4.28e-06	0.0

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329	112	7.79e-05	-4.61e-03	-0.27	0.0	-4.28e-06	0.0
329	114	0.0	0.0	-0.27	0.0	0.0	0.0
329	115	7.79e-05	-4.61e-03	-0.19	0.0	-4.28e-06	0.0
329	116	7.79e-05	-4.61e-03	-0.27	0.0	-4.28e-06	0.0
329	118	0.0	0.0	-0.27	0.0	0.0	0.0
329	119	7.79e-05	-4.61e-03	-0.19	0.0	-4.28e-06	0.0
329	120	7.79e-05	-4.61e-03	-0.27	0.0	-4.28e-06	0.0
329	122	0.0	0.0	-0.27	0.0	0.0	0.0
329	123	7.79e-05	-4.61e-03	-0.19	0.0	-4.28e-06	0.0
329	124	7.79e-05	-4.61e-03	-0.27	0.0	-4.28e-06	0.0
330	2	0.0	0.0	-0.37	0.0	0.0	0.0
330	4	1.06e-04	-6.88e-03	-0.37	0.0	-5.81e-06	0.0
330	7	1.06e-04	-6.88e-03	-0.20	0.0	-5.81e-06	0.0
330	10	0.0	0.0	-0.30	0.0	0.0	0.0
330	15	-0.11	0.13	-0.27	-1.98e-06	-6.20e-06	0.0
330	25	0.11	0.15	-0.27	0.0	-1.54e-06	0.0
330	44	-0.03	-0.22	-0.27	0.0	-4.57e-06	0.0
330	47	-0.05	0.06	-0.27	0.0	-4.99e-06	0.0
330	57	0.05	0.07	-0.27	0.0	-2.76e-06	0.0
330	76	-0.02	-0.11	-0.27	0.0	-4.21e-06	0.0
330	89	0.11	0.15	-0.27	0.0	-1.54e-06	0.0
330	108	-0.03	-0.22	-0.27	0.0	-4.57e-06	0.0
330	110	0.0	0.0	-0.27	0.0	0.0	0.0
330	111	7.06e-05	-4.59e-03	-0.19	0.0	-3.87e-06	0.0
330	112	7.06e-05	-4.59e-03	-0.27	0.0	-3.87e-06	0.0
330	114	0.0	0.0	-0.27	0.0	0.0	0.0
330	115	7.06e-05	-4.59e-03	-0.19	0.0	-3.87e-06	0.0
330	116	7.06e-05	-4.59e-03	-0.27	0.0	-3.87e-06	0.0
330	118	0.0	0.0	-0.27	0.0	0.0	0.0
330	119	7.06e-05	-4.59e-03	-0.19	0.0	-3.87e-06	0.0
330	120	7.06e-05	-4.59e-03	-0.27	0.0	-3.87e-06	0.0
330	122	0.0	0.0	-0.27	0.0	0.0	0.0
330	123	7.06e-05	-4.59e-03	-0.19	0.0	-3.87e-06	0.0
330	124	7.06e-05	-4.59e-03	-0.27	0.0	-3.87e-06	0.0
331	4	1.00e-04	-6.86e-03	-0.37	0.0	-5.50e-06	0.0
331	12	8.69e-05	-5.94e-03	-0.30	0.0	-4.76e-06	0.0
331	15	-0.11	0.14	-0.27	-2.68e-06	-6.22e-06	0.0
331	25	0.11	0.17	-0.27	-1.04e-06	-1.10e-06	0.0
331	44	-0.03	-0.23	-0.27	-1.33e-06	-4.43e-06	0.0
331	47	-0.05	0.07	-0.27	-1.04e-06	-4.89e-06	0.0
331	57	0.05	0.08	-0.27	0.0	-2.44e-06	0.0
331	76	-0.02	-0.11	-0.27	0.0	-4.03e-06	0.0
331	89	0.11	0.17	-0.27	-1.04e-06	-1.10e-06	0.0
331	108	-0.03	-0.23	-0.27	-1.33e-06	-4.43e-06	0.0
331	112	6.69e-05	-4.57e-03	-0.27	0.0	-3.66e-06	0.0
331	116	6.69e-05	-4.57e-03	-0.27	0.0	-3.66e-06	0.0
331	120	6.69e-05	-4.57e-03	-0.27	0.0	-3.66e-06	0.0
331	124	6.69e-05	-4.57e-03	-0.27	0.0	-3.66e-06	0.0
332	4	-2.84e-03	-7.83e-03	-0.40	-3.22e-05	1.61e-04	0.0
332	12	-2.46e-03	-6.78e-03	-0.32	-2.79e-05	1.39e-04	0.0
332	19	-0.12	0.07	-0.29	-1.97e-05	1.04e-04	0.0
332	21	0.11	0.06	-0.29	-2.15e-05	1.11e-04	0.0
332	38	0.04	-0.15	-0.29	-2.34e-05	1.07e-04	0.0
332	51	-0.06	0.03	-0.29	-2.06e-05	1.06e-04	0.0
332	53	0.05	0.03	-0.29	-2.15e-05	1.09e-04	0.0
332	70	0.02	-0.07	-0.29	-2.24e-05	1.07e-04	0.0
332	83	-0.12	0.07	-0.29	-1.97e-05	1.04e-04	0.0
332	102	0.04	-0.15	-0.29	-2.34e-05	1.07e-04	0.0
332	112	-1.89e-03	-5.22e-03	-0.29	-2.14e-05	1.07e-04	0.0
332	116	-1.89e-03	-5.22e-03	-0.29	-2.14e-05	1.07e-04	0.0
332	120	-1.89e-03	-5.22e-03	-0.29	-2.14e-05	1.07e-04	0.0
332	124	-1.89e-03	-5.22e-03	-0.29	-2.14e-05	1.07e-04	0.0
333	4	-1.55e-03	-7.47e-03	-0.38	-1.65e-05	8.72e-05	0.0
333	12	-1.34e-03	-6.48e-03	-0.31	-1.43e-05	7.56e-05	0.0
333	19	-0.12	0.08	-0.28	-9.77e-06	5.57e-05	0.0

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333	21	0.11	0.07	-0.28	-1.09e-05	6.10e-05	0.0
333	38	0.04	-0.16	-0.28	-1.20e-05	5.83e-05	0.0
333	51	-0.06	0.04	-0.28	-1.04e-05	5.70e-05	0.0
333	53	0.05	0.03	-0.28	-1.10e-05	5.95e-05	0.0
333	70	0.02	-0.08	-0.28	-1.15e-05	5.82e-05	0.0
333	83	-0.12	0.08	-0.28	-9.77e-06	5.57e-05	0.0
333	102	0.04	-0.16	-0.28	-1.20e-05	5.83e-05	0.0
333	112	-1.03e-03	-4.98e-03	-0.28	-1.10e-05	5.82e-05	0.0
333	116	-1.03e-03	-4.98e-03	-0.28	-1.10e-05	5.82e-05	0.0
333	120	-1.03e-03	-4.98e-03	-0.28	-1.10e-05	5.82e-05	0.0
333	124	-1.03e-03	-4.98e-03	-0.28	-1.10e-05	5.82e-05	0.0
334	4	-7.18e-04	-7.25e-03	-0.37	-7.08e-06	3.95e-05	0.0
334	12	-6.22e-04	-6.28e-03	-0.30	-6.14e-06	3.43e-05	0.0
334	19	-0.12	0.09	-0.27	-3.88e-06	2.45e-05	0.0
334	21	0.11	0.08	-0.27	-4.66e-06	2.86e-05	0.0
334	38	0.04	-0.17	-0.27	-5.22e-06	2.65e-05	0.0
334	51	-0.06	0.04	-0.27	-4.32e-06	2.55e-05	0.0
334	53	0.05	0.03	-0.27	-4.69e-06	2.74e-05	0.0
334	70	0.02	-0.08	-0.27	-4.96e-06	2.64e-05	0.0
334	83	-0.12	0.09	-0.27	-3.88e-06	2.45e-05	0.0
334	102	0.04	-0.17	-0.27	-5.22e-06	2.65e-05	0.0
334	112	-4.78e-04	-4.83e-03	-0.27	-4.72e-06	2.64e-05	0.0
334	116	-4.78e-04	-4.83e-03	-0.27	-4.72e-06	2.64e-05	0.0
334	120	-4.78e-04	-4.83e-03	-0.27	-4.72e-06	2.64e-05	0.0
334	124	-4.78e-04	-4.83e-03	-0.27	-4.72e-06	2.64e-05	0.0
335	2	0.0	0.0	-0.37	0.0	0.0	0.0
335	4	-2.43e-04	-7.11e-03	-0.37	-2.00e-06	1.24e-05	0.0
335	7	-2.43e-04	-7.11e-03	-0.20	-2.00e-06	1.24e-05	0.0
335	10	0.0	0.0	-0.30	0.0	0.0	0.0
335	19	-0.12	0.10	-0.27	0.0	6.98e-06	0.0
335	21	0.11	0.09	-0.27	-1.03e-06	1.00e-05	0.0
335	38	0.05	-0.17	-0.27	-1.33e-06	8.43e-06	0.0
335	51	-0.06	0.05	-0.27	-1.11e-06	7.64e-06	0.0
335	53	0.05	0.04	-0.27	-1.19e-06	9.08e-06	0.0
335	70	0.02	-0.09	-0.27	-1.33e-06	8.33e-06	0.0
335	83	-0.12	0.10	-0.27	0.0	6.98e-06	0.0
335	102	0.05	-0.17	-0.27	-1.33e-06	8.43e-06	0.0
335	110	0.0	0.0	-0.27	0.0	0.0	0.0
335	111	-1.62e-04	-4.74e-03	-0.19	-1.33e-06	8.23e-06	0.0
335	112	-1.62e-04	-4.74e-03	-0.27	-1.33e-06	8.23e-06	0.0
335	114	0.0	0.0	-0.27	0.0	0.0	0.0
335	115	-1.62e-04	-4.74e-03	-0.19	-1.33e-06	8.23e-06	0.0
335	116	-1.62e-04	-4.74e-03	-0.27	-1.33e-06	8.23e-06	0.0
335	118	0.0	0.0	-0.27	0.0	0.0	0.0
335	119	-1.62e-04	-4.74e-03	-0.19	-1.33e-06	8.23e-06	0.0
335	120	-1.62e-04	-4.74e-03	-0.27	-1.33e-06	8.23e-06	0.0
335	122	0.0	0.0	-0.27	0.0	0.0	0.0
335	123	-1.62e-04	-4.74e-03	-0.19	-1.33e-06	8.23e-06	0.0
335	124	-1.62e-04	-4.74e-03	-0.27	-1.33e-06	8.23e-06	0.0
336	2	0.0	0.0	-0.37	0.0	0.0	0.0
336	4	-1.32e-05	-7.02e-03	-0.37	0.0	0.0	0.0
336	7	-1.32e-05	-7.02e-03	-0.20	0.0	0.0	0.0
336	10	0.0	0.0	-0.30	0.0	0.0	0.0
336	19	-0.12	0.11	-0.27	0.0	-1.43e-06	0.0
336	26	0.11	0.02	-0.27	0.0	0.0	0.0
336	38	0.05	-0.18	-0.27	0.0	0.0	0.0
336	51	-0.06	0.05	-0.27	0.0	0.0	0.0
336	58	0.05	5.84e-03	-0.27	0.0	0.0	0.0
336	70	0.02	-0.09	-0.27	0.0	0.0	0.0
336	83	-0.12	0.11	-0.27	0.0	-1.43e-06	0.0
336	102	0.05	-0.18	-0.27	0.0	0.0	0.0
336	110	0.0	0.0	-0.27	0.0	0.0	0.0
336	111	-8.82e-06	-4.68e-03	-0.19	0.0	0.0	0.0
336	112	-8.82e-06	-4.68e-03	-0.27	0.0	0.0	0.0
336	114	0.0	0.0	-0.27	0.0	0.0	0.0

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336	115	-8.82e-06	-4.68e-03	-0.19	0.0	0.0	0.0
336	116	-8.82e-06	-4.68e-03	-0.27	0.0	0.0	0.0
336	118	0.0	0.0	-0.27	0.0	0.0	0.0
336	119	-8.82e-06	-4.68e-03	-0.19	0.0	0.0	0.0
336	120	-8.82e-06	-4.68e-03	-0.27	0.0	0.0	0.0
336	122	0.0	0.0	-0.27	0.0	0.0	0.0
336	123	-8.82e-06	-4.68e-03	-0.19	0.0	0.0	0.0
336	124	-8.82e-06	-4.68e-03	-0.27	0.0	0.0	0.0
337	2	0.0	0.0	-0.37	0.0	0.0	0.0
337	4	7.29e-05	-6.96e-03	-0.37	1.31e-06	-5.92e-06	0.0
337	10	0.0	0.0	-0.30	0.0	0.0	0.0
337	16	-0.12	0.04	-0.27	0.0	-3.46e-06	0.0
337	18	0.12	-0.13	-0.27	0.0	-4.53e-06	0.0
337	38	0.05	-0.19	-0.27	0.0	-3.74e-06	0.0
337	48	-0.06	0.02	-0.27	0.0	-3.71e-06	0.0
337	50	0.06	-0.07	-0.27	0.0	-4.23e-06	0.0
337	70	0.02	-0.09	-0.27	0.0	-3.85e-06	0.0
337	82	0.12	-0.13	-0.27	0.0	-4.53e-06	0.0
337	102	0.05	-0.19	-0.27	0.0	-3.74e-06	0.0
337	110	0.0	0.0	-0.27	0.0	0.0	0.0
337	112	4.86e-05	-4.64e-03	-0.27	0.0	-3.95e-06	0.0
337	114	0.0	0.0	-0.27	0.0	0.0	0.0
337	116	4.86e-05	-4.64e-03	-0.27	0.0	-3.95e-06	0.0
337	118	0.0	0.0	-0.27	0.0	0.0	0.0
337	120	4.86e-05	-4.64e-03	-0.27	0.0	-3.95e-06	0.0
337	122	0.0	0.0	-0.27	0.0	0.0	0.0
337	124	4.86e-05	-4.64e-03	-0.27	0.0	-3.95e-06	0.0
338	2	0.0	0.0	-0.37	0.0	0.0	0.0
338	4	8.79e-05	-6.93e-03	-0.37	1.53e-06	-6.89e-06	0.0
338	10	0.0	0.0	-0.30	0.0	0.0	0.0
338	18	0.12	-0.14	-0.27	1.37e-06	-5.47e-06	0.0
338	24	-0.11	-0.12	-0.27	2.19e-06	-6.62e-06	0.0
338	38	0.05	-0.20	-0.27	0.0	-4.20e-06	0.0
338	50	0.06	-0.07	-0.27	1.19e-06	-5.01e-06	0.0
338	56	-0.05	-0.06	-0.27	1.58e-06	-5.56e-06	0.0
338	70	0.02	-0.10	-0.27	0.0	-4.40e-06	0.0
338	82	0.12	-0.14	-0.27	1.37e-06	-5.47e-06	0.0
338	102	0.05	-0.20	-0.27	0.0	-4.20e-06	0.0
338	110	0.0	0.0	-0.27	0.0	0.0	0.0
338	112	5.86e-05	-4.62e-03	-0.27	1.02e-06	-4.59e-06	0.0
338	114	0.0	0.0	-0.27	0.0	0.0	0.0
338	116	5.86e-05	-4.62e-03	-0.27	1.02e-06	-4.59e-06	0.0
338	118	0.0	0.0	-0.27	0.0	0.0	0.0
338	120	5.86e-05	-4.62e-03	-0.27	1.02e-06	-4.59e-06	0.0
338	122	0.0	0.0	-0.27	0.0	0.0	0.0
338	124	5.86e-05	-4.62e-03	-0.27	1.02e-06	-4.59e-06	0.0
339	2	0.0	0.0	-0.37	0.0	0.0	0.0
339	4	7.74e-05	-6.90e-03	-0.37	1.52e-06	-6.40e-06	0.0
339	10	0.0	0.0	-0.30	0.0	0.0	0.0
339	18	0.13	-0.15	-0.27	1.71e-06	-5.55e-06	0.0
339	24	-0.11	-0.13	-0.27	2.88e-06	-6.93e-06	0.0
339	38	0.05	-0.21	-0.27	0.0	-3.70e-06	0.0
339	50	0.06	-0.08	-0.27	1.35e-06	-4.88e-06	0.0
339	56	-0.05	-0.07	-0.27	1.90e-06	-5.54e-06	0.0
339	70	0.02	-0.10	-0.27	0.0	-4.00e-06	0.0
339	82	0.13	-0.15	-0.27	1.71e-06	-5.55e-06	0.0
339	102	0.05	-0.21	-0.27	0.0	-3.70e-06	0.0
339	110	0.0	0.0	-0.27	0.0	0.0	0.0
339	112	5.16e-05	-4.60e-03	-0.27	1.01e-06	-4.27e-06	0.0
339	114	0.0	0.0	-0.27	0.0	0.0	0.0
339	116	5.16e-05	-4.60e-03	-0.27	1.01e-06	-4.27e-06	0.0
339	118	0.0	0.0	-0.27	0.0	0.0	0.0
339	120	5.16e-05	-4.60e-03	-0.27	1.01e-06	-4.27e-06	0.0
339	122	0.0	0.0	-0.27	0.0	0.0	0.0
339	124	5.16e-05	-4.60e-03	-0.27	1.01e-06	-4.27e-06	0.0

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340	2	0.0	0.0	-0.37	0.0	0.0	0.0
340	4	6.52e-05	-6.87e-03	-0.37	1.51e-06	-5.83e-06	0.0
340	10	0.0	0.0	-0.30	0.0	0.0	0.0
340	18	0.13	-0.16	-0.27	2.10e-06	-5.52e-06	0.0
340	24	-0.11	-0.14	-0.27	3.69e-06	-7.17e-06	0.0
340	38	0.05	-0.22	-0.27	0.0	-3.19e-06	0.0
340	50	0.06	-0.08	-0.27	1.53e-06	-4.67e-06	0.0
340	56	-0.05	-0.07	-0.27	2.29e-06	-5.46e-06	0.0
340	70	0.03	-0.11	-0.27	0.0	-3.55e-06	0.0
340	82	0.13	-0.16	-0.27	2.10e-06	-5.52e-06	0.0
340	102	0.05	-0.22	-0.27	0.0	-3.19e-06	0.0
340	110	0.0	0.0	-0.27	0.0	0.0	0.0
340	112	4.35e-05	-4.58e-03	-0.27	1.01e-06	-3.89e-06	0.0
340	114	0.0	0.0	-0.27	0.0	0.0	0.0
340	116	4.35e-05	-4.58e-03	-0.27	1.01e-06	-3.89e-06	0.0
340	118	0.0	0.0	-0.27	0.0	0.0	0.0
340	120	4.35e-05	-4.58e-03	-0.27	1.01e-06	-3.89e-06	0.0
340	122	0.0	0.0	-0.27	0.0	0.0	0.0
340	124	4.35e-05	-4.58e-03	-0.27	1.01e-06	-3.89e-06	0.0
341	4	5.75e-05	-6.85e-03	-0.37	1.56e-06	-5.53e-06	0.0
341	12	4.98e-05	-5.94e-03	-0.30	1.35e-06	-4.79e-06	0.0
341	18	0.13	-0.17	-0.27	2.50e-06	-5.50e-06	0.0
341	24	-0.11	-0.15	-0.27	4.48e-06	-7.21e-06	0.0
341	38	0.05	-0.23	-0.27	0.0	-2.99e-06	0.0
341	50	0.06	-0.09	-0.27	1.74e-06	-4.55e-06	0.0
341	56	-0.05	-0.07	-0.27	2.68e-06	-5.38e-06	0.0
341	70	0.03	-0.11	-0.27	0.0	-3.35e-06	0.0
341	82	0.13	-0.17	-0.27	2.50e-06	-5.50e-06	0.0
341	102	0.05	-0.23	-0.27	0.0	-2.99e-06	0.0
341	112	3.83e-05	-4.57e-03	-0.27	1.04e-06	-3.69e-06	0.0
341	116	3.83e-05	-4.57e-03	-0.27	1.04e-06	-3.69e-06	0.0
341	120	3.83e-05	-4.57e-03	-0.27	1.04e-06	-3.69e-06	0.0
341	124	3.83e-05	-4.57e-03	-0.27	1.04e-06	-3.69e-06	0.0
342	4	-2.47e-03	-8.21e-03	-0.40	-5.39e-05	1.38e-04	0.0
342	12	-2.14e-03	-7.11e-03	-0.32	-4.67e-05	1.20e-04	0.0
342	19	-0.13	0.07	-0.29	-3.37e-05	8.99e-05	0.0
342	21	0.11	0.06	-0.29	-3.69e-05	9.51e-05	0.0
342	38	0.05	-0.15	-0.29	-3.75e-05	9.12e-05	0.0
342	51	-0.06	0.03	-0.29	-3.48e-05	9.10e-05	0.0
342	53	0.05	0.03	-0.29	-3.64e-05	9.35e-05	0.0
342	70	0.02	-0.07	-0.29	-3.67e-05	9.16e-05	0.0
342	83	-0.13	0.07	-0.29	-3.37e-05	8.99e-05	0.0
342	102	0.05	-0.15	-0.29	-3.75e-05	9.12e-05	0.0
342	112	-1.65e-03	-5.47e-03	-0.29	-3.59e-05	9.21e-05	0.0
342	116	-1.65e-03	-5.47e-03	-0.29	-3.59e-05	9.21e-05	0.0
342	120	-1.65e-03	-5.47e-03	-0.29	-3.59e-05	9.21e-05	0.0
342	124	-1.65e-03	-5.47e-03	-0.29	-3.59e-05	9.21e-05	0.0
343	4	-1.35e-03	-7.67e-03	-0.38	-2.77e-05	7.43e-05	0.0
343	12	-1.17e-03	-6.65e-03	-0.31	-2.40e-05	6.44e-05	0.0
343	19	-0.13	0.08	-0.28	-1.68e-05	4.76e-05	0.0
343	21	0.11	0.07	-0.28	-1.91e-05	5.20e-05	0.0
343	38	0.05	-0.16	-0.28	-1.93e-05	4.90e-05	0.0
343	51	-0.06	0.04	-0.28	-1.77e-05	4.86e-05	0.0
343	53	0.05	0.03	-0.28	-1.87e-05	5.07e-05	0.0
343	70	0.02	-0.08	-0.28	-1.88e-05	4.93e-05	0.0
343	83	-0.13	0.08	-0.28	-1.68e-05	4.76e-05	0.0
343	102	0.05	-0.16	-0.28	-1.93e-05	4.90e-05	0.0
343	112	-9.02e-04	-5.12e-03	-0.28	-1.84e-05	4.95e-05	0.0
343	116	-9.02e-04	-5.12e-03	-0.28	-1.84e-05	4.95e-05	0.0
343	120	-9.02e-04	-5.12e-03	-0.28	-1.84e-05	4.95e-05	0.0
343	124	-9.02e-04	-5.12e-03	-0.28	-1.84e-05	4.95e-05	0.0
344	2	0.0	0.0	-0.37	0.0	0.0	0.0
344	4	-6.33e-04	-7.34e-03	-0.37	-1.18e-05	3.31e-05	0.0
344	10	0.0	0.0	-0.30	0.0	0.0	0.0
344	19	-0.13	0.09	-0.27	-6.87e-06	2.06e-05	0.0

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344	21	0.11	0.08	-0.27	-8.36e-06	2.42e-05	0.0
344	38	0.05	-0.17	-0.27	-8.04e-06	2.18e-05	0.0
344	51	-0.06	0.04	-0.27	-7.40e-06	2.14e-05	0.0
344	53	0.05	0.03	-0.27	-8.11e-06	2.30e-05	0.0
344	70	0.03	-0.08	-0.27	-7.96e-06	2.19e-05	0.0
344	83	-0.13	0.09	-0.27	-6.87e-06	2.06e-05	0.0
344	102	0.05	-0.17	-0.27	-8.04e-06	2.18e-05	0.0
344	110	0.0	0.0	-0.27	0.0	0.0	0.0
344	112	-4.22e-04	-4.89e-03	-0.27	-7.88e-06	2.20e-05	0.0
344	114	0.0	0.0	-0.27	0.0	0.0	0.0
344	116	-4.22e-04	-4.89e-03	-0.27	-7.88e-06	2.20e-05	0.0
344	118	0.0	0.0	-0.27	0.0	0.0	0.0
344	120	-4.22e-04	-4.89e-03	-0.27	-7.88e-06	2.20e-05	0.0
344	122	0.0	0.0	-0.27	0.0	0.0	0.0
344	124	-4.22e-04	-4.89e-03	-0.27	-7.88e-06	2.20e-05	0.0
345	2	0.0	0.0	-0.37	0.0	0.0	0.0
345	4	-2.26e-04	-7.14e-03	-0.37	-3.22e-06	9.68e-06	0.0
345	10	0.0	0.0	-0.30	0.0	0.0	0.0
345	19	-0.13	0.10	-0.27	-1.55e-06	5.57e-06	0.0
345	21	0.11	0.09	-0.27	-2.64e-06	8.33e-06	0.0
345	38	0.06	-0.17	-0.27	-2.16e-06	6.41e-06	0.0
345	51	-0.06	0.05	-0.27	-1.86e-06	6.03e-06	0.0
345	53	0.05	0.04	-0.27	-2.38e-06	7.35e-06	0.0
345	70	0.03	-0.09	-0.27	-2.15e-06	6.43e-06	0.0
345	83	-0.13	0.10	-0.27	-1.55e-06	5.57e-06	0.0
345	102	0.06	-0.17	-0.27	-2.16e-06	6.41e-06	0.0
345	110	0.0	0.0	-0.27	0.0	0.0	0.0
345	112	-1.51e-04	-4.76e-03	-0.27	-2.15e-06	6.45e-06	0.0
345	114	0.0	0.0	-0.27	0.0	0.0	0.0
345	116	-1.51e-04	-4.76e-03	-0.27	-2.15e-06	6.45e-06	0.0
345	118	0.0	0.0	-0.27	0.0	0.0	0.0
345	120	-1.51e-04	-4.76e-03	-0.27	-2.15e-06	6.45e-06	0.0
345	122	0.0	0.0	-0.27	0.0	0.0	0.0
345	124	-1.51e-04	-4.76e-03	-0.27	-2.15e-06	6.45e-06	0.0
346	2	0.0	0.0	-0.37	0.0	0.0	0.0
346	4	-3.08e-05	-7.02e-03	-0.37	0.0	-1.65e-06	0.0
346	7	-3.08e-05	-7.02e-03	-0.20	0.0	-1.65e-06	0.0
346	10	0.0	0.0	-0.30	0.0	0.0	0.0
346	19	-0.13	0.11	-0.27	0.0	-1.60e-06	0.0
346	20	-0.12	0.02	-0.27	0.0	-1.41e-06	0.0
346	38	0.06	-0.18	-0.27	0.0	0.0	0.0
346	51	-0.06	0.05	-0.27	0.0	-1.34e-06	0.0
346	52	-0.06	5.11e-03	-0.27	0.0	-1.25e-06	0.0
346	70	0.03	-0.09	-0.27	0.0	0.0	0.0
346	83	-0.13	0.11	-0.27	0.0	-1.60e-06	0.0
346	102	0.06	-0.18	-0.27	0.0	0.0	0.0
346	110	0.0	0.0	-0.27	0.0	0.0	0.0
346	111	-2.05e-05	-4.68e-03	-0.19	0.0	-1.10e-06	0.0
346	112	-2.05e-05	-4.68e-03	-0.27	0.0	-1.10e-06	0.0
346	114	0.0	0.0	-0.27	0.0	0.0	0.0
346	115	-2.05e-05	-4.68e-03	-0.19	0.0	-1.10e-06	0.0
346	116	-2.05e-05	-4.68e-03	-0.27	0.0	-1.10e-06	0.0
346	118	0.0	0.0	-0.27	0.0	0.0	0.0
346	119	-2.05e-05	-4.68e-03	-0.19	0.0	-1.10e-06	0.0
346	120	-2.05e-05	-4.68e-03	-0.27	0.0	-1.10e-06	0.0
346	122	0.0	0.0	-0.27	0.0	0.0	0.0
346	123	-2.05e-05	-4.68e-03	-0.19	0.0	-1.10e-06	0.0
346	124	-2.05e-05	-4.68e-03	-0.27	0.0	-1.10e-06	0.0
347	2	0.0	0.0	-0.37	0.0	0.0	0.0
347	4	4.04e-05	-6.96e-03	-0.37	2.32e-06	-5.89e-06	0.0
347	10	0.0	0.0	-0.30	0.0	0.0	0.0
347	18	0.13	-0.13	-0.27	1.64e-06	-4.27e-06	0.0
347	32	-0.06	-0.09	-0.27	2.24e-06	-5.13e-06	0.0
347	38	0.06	-0.19	-0.27	1.09e-06	-3.32e-06	0.0
347	50	0.06	-0.06	-0.27	1.59e-06	-4.09e-06	0.0

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347	64	-0.03	-0.04	-0.27	1.88e-06	-4.50e-06	0.0
347	70	0.03	-0.09	-0.27	1.33e-06	-3.63e-06	0.0
347	82	0.13	-0.13	-0.27	1.64e-06	-4.27e-06	0.0
347	102	0.06	-0.19	-0.27	1.09e-06	-3.32e-06	0.0
347	110	0.0	0.0	-0.27	0.0	0.0	0.0
347	112	2.70e-05	-4.64e-03	-0.27	1.55e-06	-3.93e-06	0.0
347	114	0.0	0.0	-0.27	0.0	0.0	0.0
347	116	2.70e-05	-4.64e-03	-0.27	1.55e-06	-3.93e-06	0.0
347	118	0.0	0.0	-0.27	0.0	0.0	0.0
347	120	2.70e-05	-4.64e-03	-0.27	1.55e-06	-3.93e-06	0.0
347	122	0.0	0.0	-0.27	0.0	0.0	0.0
347	124	2.70e-05	-4.64e-03	-0.27	1.55e-06	-3.93e-06	0.0
348	2	0.0	0.0	-0.37	0.0	0.0	0.0
348	4	5.04e-05	-6.92e-03	-0.37	2.62e-06	-6.65e-06	0.0
348	10	0.0	0.0	-0.30	0.0	0.0	0.0
348	18	0.14	-0.14	-0.27	2.21e-06	-5.18e-06	0.0
348	36	-0.06	-0.14	-0.27	3.48e-06	-6.90e-06	0.0
348	38	0.07	-0.20	-0.27	1.01e-06	-3.44e-06	0.0
348	50	0.07	-0.07	-0.27	1.97e-06	-4.79e-06	0.0
348	68	-0.03	-0.07	-0.27	2.57e-06	-5.61e-06	0.0
348	70	0.03	-0.10	-0.27	1.39e-06	-3.96e-06	0.0
348	82	0.14	-0.14	-0.27	2.21e-06	-5.18e-06	0.0
348	102	0.07	-0.20	-0.27	1.01e-06	-3.44e-06	0.0
348	110	0.0	0.0	-0.27	0.0	0.0	0.0
348	112	3.36e-05	-4.62e-03	-0.27	1.75e-06	-4.44e-06	0.0
348	114	0.0	0.0	-0.27	0.0	0.0	0.0
348	116	3.36e-05	-4.62e-03	-0.27	1.75e-06	-4.44e-06	0.0
348	118	0.0	0.0	-0.27	0.0	0.0	0.0
348	120	3.36e-05	-4.62e-03	-0.27	1.75e-06	-4.44e-06	0.0
348	122	0.0	0.0	-0.27	0.0	0.0	0.0
348	124	3.36e-05	-4.62e-03	-0.27	1.75e-06	-4.44e-06	0.0
349	2	0.0	0.0	-0.37	0.0	0.0	0.0
349	4	3.88e-05	-6.90e-03	-0.37	2.53e-06	-6.20e-06	0.0
349	10	0.0	0.0	-0.30	0.0	0.0	0.0
349	18	0.14	-0.15	-0.27	2.54e-06	-5.24e-06	0.0
349	24	-0.11	-0.13	-0.27	4.12e-06	-7.58e-06	0.0
349	38	0.07	-0.21	-0.27	0.0	-2.72e-06	0.0
349	50	0.07	-0.07	-0.27	2.10e-06	-4.66e-06	0.0
349	56	-0.05	-0.06	-0.27	2.85e-06	-5.79e-06	0.0
349	70	0.03	-0.10	-0.27	1.14e-06	-3.45e-06	0.0
349	82	0.14	-0.15	-0.27	2.54e-06	-5.24e-06	0.0
349	102	0.07	-0.21	-0.27	0.0	-2.72e-06	0.0
349	110	0.0	0.0	-0.27	0.0	0.0	0.0
349	112	2.58e-05	-4.60e-03	-0.27	1.69e-06	-4.13e-06	0.0
349	114	0.0	0.0	-0.27	0.0	0.0	0.0
349	116	2.58e-05	-4.60e-03	-0.27	1.69e-06	-4.13e-06	0.0
349	118	0.0	0.0	-0.27	0.0	0.0	0.0
349	120	2.58e-05	-4.60e-03	-0.27	1.69e-06	-4.13e-06	0.0
349	122	0.0	0.0	-0.27	0.0	0.0	0.0
349	124	2.58e-05	-4.60e-03	-0.27	1.69e-06	-4.13e-06	0.0
350	2	0.0	0.0	-0.37	0.0	0.0	0.0
350	4	2.58e-05	-6.87e-03	-0.37	2.45e-06	-5.69e-06	0.0
350	10	0.0	0.0	-0.30	0.0	0.0	0.0
350	18	0.14	-0.16	-0.27	2.91e-06	-5.16e-06	0.0
350	24	-0.11	-0.14	-0.27	4.91e-06	-7.97e-06	0.0
350	38	0.07	-0.22	-0.27	0.0	-2.03e-06	0.0
350	50	0.07	-0.08	-0.27	2.24e-06	-4.44e-06	0.0
350	56	-0.05	-0.07	-0.27	3.20e-06	-5.79e-06	0.0
350	70	0.03	-0.11	-0.27	0.0	-2.94e-06	0.0
350	82	0.14	-0.16	-0.27	2.91e-06	-5.16e-06	0.0
350	102	0.07	-0.22	-0.27	0.0	-2.03e-06	0.0
350	110	0.0	0.0	-0.27	0.0	0.0	0.0
350	112	1.72e-05	-4.58e-03	-0.27	1.63e-06	-3.80e-06	0.0
350	114	0.0	0.0	-0.27	0.0	0.0	0.0
350	116	1.72e-05	-4.58e-03	-0.27	1.63e-06	-3.80e-06	0.0

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350	118	0.0	0.0	-0.27	0.0	0.0	0.0
350	120	1.72e-05	-4.58e-03	-0.27	1.63e-06	-3.80e-06	0.0
350	122	0.0	0.0	-0.27	0.0	0.0	0.0
350	124	1.72e-05	-4.58e-03	-0.27	1.63e-06	-3.80e-06	0.0
351	4	1.66e-05	-6.85e-03	-0.37	2.45e-06	-5.42e-06	0.0
351	12	1.43e-05	-5.94e-03	-0.30	2.12e-06	-4.70e-06	0.0
351	18	0.14	-0.17	-0.27	3.29e-06	-5.09e-06	0.0
351	24	-0.11	-0.15	-0.28	5.61e-06	-8.03e-06	0.0
351	38	0.07	-0.22	-0.27	0.0	-1.75e-06	0.0
351	50	0.07	-0.08	-0.27	2.43e-06	-4.32e-06	0.0
351	56	-0.05	-0.07	-0.27	3.53e-06	-5.73e-06	0.0
351	70	0.04	-0.11	-0.27	0.0	-2.72e-06	0.0
351	82	0.14	-0.17	-0.27	3.29e-06	-5.09e-06	0.0
351	102	0.07	-0.22	-0.27	0.0	-1.75e-06	0.0
351	112	1.10e-05	-4.57e-03	-0.27	1.63e-06	-3.61e-06	0.0
351	116	1.10e-05	-4.57e-03	-0.27	1.63e-06	-3.61e-06	0.0
351	120	1.10e-05	-4.57e-03	-0.27	1.63e-06	-3.61e-06	0.0
351	124	1.10e-05	-4.57e-03	-0.27	1.63e-06	-3.61e-06	0.0
352	4	-1.97e-03	-8.38e-03	-0.39	-6.37e-05	1.09e-04	0.0
352	12	-1.71e-03	-7.26e-03	-0.32	-5.52e-05	9.42e-05	0.0
352	19	-0.13	0.07	-0.28	-4.03e-05	7.11e-05	0.0
352	21	0.11	0.06	-0.29	-4.40e-05	7.48e-05	0.0
352	38	0.06	-0.15	-0.28	-4.28e-05	7.10e-05	0.0
352	51	-0.06	0.03	-0.28	-4.14e-05	7.18e-05	0.0
352	53	0.05	0.03	-0.28	-4.32e-05	7.36e-05	0.0
352	70	0.03	-0.07	-0.28	-4.26e-05	7.17e-05	0.0
352	83	-0.13	0.07	-0.28	-4.03e-05	7.11e-05	0.0
352	102	0.06	-0.15	-0.28	-4.28e-05	7.10e-05	0.0
352	112	-1.32e-03	-5.59e-03	-0.28	-4.25e-05	7.25e-05	0.0
352	116	-1.32e-03	-5.59e-03	-0.28	-4.25e-05	7.25e-05	0.0
352	120	-1.32e-03	-5.59e-03	-0.28	-4.25e-05	7.25e-05	0.0
352	124	-1.32e-03	-5.59e-03	-0.28	-4.25e-05	7.25e-05	0.0
353	4	-1.08e-03	-7.76e-03	-0.38	-3.25e-05	5.74e-05	0.0
353	12	-9.34e-04	-6.73e-03	-0.31	-2.81e-05	4.97e-05	0.0
353	19	-0.13	0.08	-0.28	-2.00e-05	3.70e-05	0.0
353	21	0.11	0.07	-0.28	-2.28e-05	4.04e-05	0.0
353	38	0.06	-0.16	-0.28	-2.20e-05	3.73e-05	0.0
353	51	-0.06	0.04	-0.28	-2.09e-05	3.77e-05	0.0
353	53	0.05	0.03	-0.28	-2.22e-05	3.93e-05	0.0
353	70	0.03	-0.08	-0.28	-2.18e-05	3.78e-05	0.0
353	83	-0.13	0.08	-0.28	-2.00e-05	3.70e-05	0.0
353	102	0.06	-0.16	-0.28	-2.20e-05	3.73e-05	0.0
353	112	-7.19e-04	-5.18e-03	-0.28	-2.16e-05	3.83e-05	0.0
353	116	-7.19e-04	-5.18e-03	-0.28	-2.16e-05	3.83e-05	0.0
353	120	-7.19e-04	-5.18e-03	-0.28	-2.16e-05	3.83e-05	0.0
353	124	-7.19e-04	-5.18e-03	-0.28	-2.16e-05	3.83e-05	0.0
354	2	0.0	0.0	-0.37	0.0	0.0	0.0
354	4	-5.08e-04	-7.38e-03	-0.37	-1.35e-05	2.47e-05	0.0
354	10	0.0	0.0	-0.30	0.0	0.0	0.0
354	19	-0.14	0.09	-0.27	-7.93e-06	1.55e-05	0.0
354	21	0.11	0.07	-0.27	-9.96e-06	1.83e-05	0.0
354	38	0.07	-0.16	-0.27	-9.12e-06	1.59e-05	0.0
354	51	-0.07	0.04	-0.27	-8.50e-06	1.60e-05	0.0
354	53	0.05	0.03	-0.27	-9.46e-06	1.74e-05	0.0
354	70	0.03	-0.08	-0.27	-9.06e-06	1.62e-05	0.0
354	83	-0.14	0.09	-0.27	-7.93e-06	1.55e-05	0.0
354	102	0.07	-0.16	-0.27	-9.12e-06	1.59e-05	0.0
354	110	0.0	0.0	-0.27	0.0	0.0	0.0
354	112	-3.39e-04	-4.92e-03	-0.27	-9.01e-06	1.65e-05	0.0
354	114	0.0	0.0	-0.27	0.0	0.0	0.0
354	116	-3.39e-04	-4.92e-03	-0.27	-9.01e-06	1.65e-05	0.0
354	118	0.0	0.0	-0.27	0.0	0.0	0.0
354	120	-3.39e-04	-4.92e-03	-0.27	-9.01e-06	1.65e-05	0.0
354	122	0.0	0.0	-0.27	0.0	0.0	0.0
354	124	-3.39e-04	-4.92e-03	-0.27	-9.01e-06	1.65e-05	0.0

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355	2	0.0	0.0	-0.37	0.0	0.0	0.0
355	4	-1.90e-04	-7.15e-03	-0.37	-3.22e-06	6.29e-06	0.0
355	10	0.0	0.0	-0.30	0.0	0.0	0.0
355	19	-0.14	0.10	-0.27	-1.58e-06	3.70e-06	0.0
355	21	0.11	0.08	-0.27	-3.12e-06	6.05e-06	0.0
355	38	0.07	-0.17	-0.27	-2.11e-06	3.99e-06	0.0
355	51	-0.07	0.04	-0.27	-1.87e-06	3.96e-06	0.0
355	53	0.05	0.04	-0.27	-2.61e-06	5.08e-06	0.0
355	70	0.03	-0.08	-0.27	-2.13e-06	4.10e-06	0.0
355	83	-0.14	0.10	-0.27	-1.58e-06	3.70e-06	0.0
355	102	0.07	-0.17	-0.27	-2.11e-06	3.99e-06	0.0
355	110	0.0	0.0	-0.27	0.0	0.0	0.0
355	112	-1.27e-04	-4.77e-03	-0.27	-2.14e-06	4.20e-06	0.0
355	114	0.0	0.0	-0.27	0.0	0.0	0.0
355	116	-1.27e-04	-4.77e-03	-0.27	-2.14e-06	4.20e-06	0.0
355	118	0.0	0.0	-0.27	0.0	0.0	0.0
355	120	-1.27e-04	-4.77e-03	-0.27	-2.14e-06	4.20e-06	0.0
355	122	0.0	0.0	-0.27	0.0	0.0	0.0
355	124	-1.27e-04	-4.77e-03	-0.27	-2.14e-06	4.20e-06	0.0
356	2	0.0	0.0	-0.37	0.0	0.0	0.0
356	4	-3.94e-05	-7.03e-03	-0.37	1.61e-06	-2.52e-06	0.0
356	10	0.0	0.0	-0.30	0.0	0.0	0.0
356	19	-0.14	0.11	-0.27	1.34e-06	-1.70e-06	0.0
356	20	-0.12	0.01	-0.27	1.12e-06	-1.44e-06	0.0
356	38	0.07	-0.18	-0.27	0.0	-1.27e-06	0.0
356	51	-0.07	0.05	-0.27	1.20e-06	-1.69e-06	0.0
356	52	-0.06	3.87e-03	-0.27	1.10e-06	-1.56e-06	0.0
356	70	0.04	-0.09	-0.27	0.0	-1.48e-06	0.0
356	83	-0.14	0.11	-0.27	1.34e-06	-1.70e-06	0.0
356	102	0.07	-0.18	-0.27	0.0	-1.27e-06	0.0
356	110	0.0	0.0	-0.27	0.0	0.0	0.0
356	112	-2.63e-05	-4.68e-03	-0.27	1.07e-06	-1.68e-06	0.0
356	114	0.0	0.0	-0.27	0.0	0.0	0.0
356	116	-2.63e-05	-4.68e-03	-0.27	1.07e-06	-1.68e-06	0.0
356	118	0.0	0.0	-0.27	0.0	0.0	0.0
356	120	-2.63e-05	-4.68e-03	-0.27	1.07e-06	-1.68e-06	0.0
356	122	0.0	0.0	-0.27	0.0	0.0	0.0
356	124	-2.63e-05	-4.68e-03	-0.27	1.07e-06	-1.68e-06	0.0
357	2	0.0	0.0	-0.37	0.0	0.0	0.0
357	4	1.27e-05	-6.96e-03	-0.37	3.36e-06	-5.74e-06	0.0
357	10	0.0	0.0	-0.30	0.0	0.0	0.0
357	18	0.15	-0.12	-0.27	2.52e-06	-4.25e-06	0.0
357	36	-0.07	-0.13	-0.27	3.81e-06	-6.25e-06	0.0
357	38	0.08	-0.19	-0.27	1.65e-06	-3.00e-06	0.0
357	50	0.07	-0.06	-0.27	2.37e-06	-4.03e-06	0.0
357	68	-0.03	-0.06	-0.27	2.98e-06	-4.98e-06	0.0
357	70	0.04	-0.09	-0.27	1.96e-06	-3.43e-06	0.0
357	82	0.15	-0.12	-0.27	2.52e-06	-4.25e-06	0.0
357	102	0.08	-0.19	-0.27	1.65e-06	-3.00e-06	0.0
357	110	0.0	0.0	-0.27	0.0	0.0	0.0
357	112	8.46e-06	-4.64e-03	-0.27	2.24e-06	-3.83e-06	0.0
357	114	0.0	0.0	-0.27	0.0	0.0	0.0
357	116	8.46e-06	-4.64e-03	-0.27	2.24e-06	-3.83e-06	0.0
357	118	0.0	0.0	-0.27	0.0	0.0	0.0
357	120	8.46e-06	-4.64e-03	-0.27	2.24e-06	-3.83e-06	0.0
357	122	0.0	0.0	-0.27	0.0	0.0	0.0
357	124	8.46e-06	-4.64e-03	-0.27	2.24e-06	-3.83e-06	0.0
358	2	0.0	0.0	-0.37	0.0	0.0	0.0
358	4	1.68e-05	-6.93e-03	-0.37	3.66e-06	-6.24e-06	0.0
358	10	0.0	0.0	-0.30	0.0	0.0	0.0
358	18	0.15	-0.13	-0.27	3.16e-06	-5.02e-06	0.0
358	36	-0.07	-0.13	-0.27	4.76e-06	-7.32e-06	0.0
358	38	0.08	-0.19	-0.27	1.50e-06	-2.81e-06	0.0
358	50	0.07	-0.07	-0.27	2.78e-06	-4.57e-06	0.0
358	68	-0.03	-0.07	-0.27	3.54e-06	-5.67e-06	0.0

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358	70	0.04	-0.10	-0.27	1.99e-06	-3.51e-06	0.0
358	82	0.15	-0.13	-0.27	3.16e-06	-5.02e-06	0.0
358	102	0.08	-0.19	-0.27	1.50e-06	-2.81e-06	0.0
358	110	0.0	0.0	-0.27	0.0	0.0	0.0
358	112	1.12e-05	-4.62e-03	-0.27	2.44e-06	-4.16e-06	0.0
358	114	0.0	0.0	-0.27	0.0	0.0	0.0
358	116	1.12e-05	-4.62e-03	-0.27	2.44e-06	-4.16e-06	0.0
358	118	0.0	0.0	-0.27	0.0	0.0	0.0
358	120	1.12e-05	-4.62e-03	-0.27	2.44e-06	-4.16e-06	0.0
358	122	0.0	0.0	-0.27	0.0	0.0	0.0
358	124	1.12e-05	-4.62e-03	-0.27	2.44e-06	-4.16e-06	0.0
359	2	0.0	0.0	-0.37	0.0	0.0	0.0
359	4	4.43e-06	-6.91e-03	-0.37	3.49e-06	-5.83e-06	0.0
359	10	0.0	0.0	-0.30	0.0	0.0	0.0
359	18	0.15	-0.14	-0.27	3.51e-06	-5.10e-06	0.0
359	36	-0.07	-0.14	-0.27	5.53e-06	-7.90e-06	0.0
359	38	0.09	-0.20	-0.27	0.0	-1.97e-06	0.0
359	50	0.07	-0.07	-0.27	2.89e-06	-4.46e-06	0.0
359	68	-0.04	-0.07	-0.27	3.86e-06	-5.80e-06	0.0
359	70	0.04	-0.10	-0.27	1.68e-06	-2.96e-06	0.0
359	82	0.15	-0.14	-0.27	3.51e-06	-5.10e-06	0.0
359	102	0.09	-0.20	-0.27	0.0	-1.97e-06	0.0
359	110	0.0	0.0	-0.27	0.0	0.0	0.0
359	112	2.96e-06	-4.60e-03	-0.27	2.33e-06	-3.88e-06	0.0
359	114	0.0	0.0	-0.27	0.0	0.0	0.0
359	116	2.96e-06	-4.60e-03	-0.27	2.33e-06	-3.88e-06	0.0
359	118	0.0	0.0	-0.27	0.0	0.0	0.0
359	120	2.96e-06	-4.60e-03	-0.27	2.33e-06	-3.88e-06	0.0
359	122	0.0	0.0	-0.27	0.0	0.0	0.0
359	124	2.96e-06	-4.60e-03	-0.27	2.33e-06	-3.88e-06	0.0
360	4	-8.56e-06	-6.89e-03	-0.37	3.35e-06	-5.40e-06	0.0
360	7	-8.56e-06	-6.89e-03	-0.20	3.35e-06	-5.40e-06	0.0
360	12	-7.42e-06	-5.97e-03	-0.30	2.90e-06	-4.68e-06	0.0
360	19	-0.16	0.14	-0.27	0.0	-2.15e-06	0.0
360	36	-0.08	-0.14	-0.27	6.31e-06	-8.34e-06	0.0
360	38	0.09	-0.21	-0.27	0.0	-1.20e-06	0.0
360	51	-0.07	0.07	-0.27	1.45e-06	-2.91e-06	0.0
360	68	-0.04	-0.07	-0.27	4.18e-06	-5.87e-06	0.0
360	70	0.04	-0.10	-0.27	1.38e-06	-2.44e-06	0.0
360	83	-0.16	0.14	-0.27	0.0	-2.15e-06	0.0
360	102	0.09	-0.21	-0.27	0.0	-1.20e-06	0.0
360	111	-5.71e-06	-4.59e-03	-0.19	2.23e-06	-3.60e-06	0.0
360	112	-5.71e-06	-4.59e-03	-0.27	2.23e-06	-3.60e-06	0.0
360	115	-5.71e-06	-4.59e-03	-0.19	2.23e-06	-3.60e-06	0.0
360	116	-5.71e-06	-4.59e-03	-0.27	2.23e-06	-3.60e-06	0.0
360	119	-5.71e-06	-4.59e-03	-0.19	2.23e-06	-3.60e-06	0.0
360	120	-5.71e-06	-4.59e-03	-0.27	2.23e-06	-3.60e-06	0.0
360	123	-5.71e-06	-4.59e-03	-0.19	2.23e-06	-3.60e-06	0.0
360	124	-5.71e-06	-4.59e-03	-0.27	2.23e-06	-3.60e-06	0.0
361	4	-1.88e-05	-6.87e-03	-0.37	3.31e-06	-5.17e-06	0.0
361	7	-1.88e-05	-6.87e-03	-0.20	3.31e-06	-5.17e-06	0.0
361	12	-1.63e-05	-5.95e-03	-0.30	2.87e-06	-4.48e-06	0.0
361	19	-0.16	0.15	-0.27	0.0	-1.93e-06	0.0
361	36	-0.08	-0.15	-0.28	6.89e-06	-8.41e-06	0.0
361	38	0.09	-0.22	-0.27	0.0	0.0	0.0
361	51	-0.08	0.07	-0.27	1.24e-06	-2.72e-06	0.0
361	68	-0.04	-0.07	-0.27	4.45e-06	-5.82e-06	0.0
361	70	0.05	-0.11	-0.27	1.24e-06	-2.20e-06	0.0
361	83	-0.16	0.15	-0.27	0.0	-1.93e-06	0.0
361	102	0.09	-0.22	-0.27	0.0	0.0	0.0
361	111	-1.25e-05	-4.58e-03	-0.19	2.21e-06	-3.44e-06	0.0
361	112	-1.25e-05	-4.58e-03	-0.27	2.21e-06	-3.44e-06	0.0
361	115	-1.25e-05	-4.58e-03	-0.19	2.21e-06	-3.44e-06	0.0
361	116	-1.25e-05	-4.58e-03	-0.27	2.21e-06	-3.44e-06	0.0
361	119	-1.25e-05	-4.58e-03	-0.19	2.21e-06	-3.44e-06	0.0

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361	120	-1.25e-05	-4.58e-03	-0.27	2.21e-06	-3.44e-06	0.0
361	123	-1.25e-05	-4.58e-03	-0.19	2.21e-06	-3.44e-06	0.0
361	124	-1.25e-05	-4.58e-03	-0.27	2.21e-06	-3.44e-06	0.0
362	4	-1.47e-03	-8.36e-03	-0.39	-6.25e-05	7.90e-05	0.0
362	12	-1.27e-03	-7.24e-03	-0.31	-5.42e-05	6.85e-05	0.0
362	19	-0.14	0.07	-0.28	-3.96e-05	5.19e-05	0.0
362	21	0.11	0.06	-0.28	-4.37e-05	5.44e-05	0.0
362	38	0.06	-0.15	-0.28	-4.19e-05	5.10e-05	0.0
362	51	-0.07	0.03	-0.28	-4.07e-05	5.23e-05	0.0
362	53	0.05	0.03	-0.28	-4.26e-05	5.35e-05	0.0
362	70	0.03	-0.07	-0.28	-4.18e-05	5.19e-05	0.0
362	83	-0.14	0.07	-0.28	-3.96e-05	5.19e-05	0.0
362	102	0.06	-0.15	-0.28	-4.19e-05	5.10e-05	0.0
362	112	-9.77e-04	-5.57e-03	-0.28	-4.17e-05	5.27e-05	0.0
362	116	-9.77e-04	-5.57e-03	-0.28	-4.17e-05	5.27e-05	0.0
362	120	-9.77e-04	-5.57e-03	-0.28	-4.17e-05	5.27e-05	0.0
362	124	-9.77e-04	-5.57e-03	-0.28	-4.17e-05	5.27e-05	0.0
363	4	-7.94e-04	-7.75e-03	-0.38	-3.13e-05	4.05e-05	0.0
363	12	-6.88e-04	-6.72e-03	-0.30	-2.72e-05	3.51e-05	0.0
363	19	-0.14	0.08	-0.27	-1.94e-05	2.62e-05	0.0
363	21	0.11	0.07	-0.28	-2.24e-05	2.86e-05	0.0
363	38	0.07	-0.15	-0.27	-2.09e-05	2.58e-05	0.0
363	51	-0.07	0.03	-0.27	-2.02e-05	2.66e-05	0.0
363	53	0.05	0.03	-0.27	-2.16e-05	2.77e-05	0.0
363	70	0.03	-0.08	-0.27	-2.09e-05	2.64e-05	0.0
363	83	-0.14	0.08	-0.27	-1.94e-05	2.62e-05	0.0
363	102	0.07	-0.15	-0.27	-2.09e-05	2.58e-05	0.0
363	112	-5.29e-04	-5.17e-03	-0.27	-2.09e-05	2.70e-05	0.0
363	116	-5.29e-04	-5.17e-03	-0.27	-2.09e-05	2.70e-05	0.0
363	120	-5.29e-04	-5.17e-03	-0.27	-2.09e-05	2.70e-05	0.0
363	124	-5.29e-04	-5.17e-03	-0.27	-2.09e-05	2.70e-05	0.0
364	2	0.0	0.0	-0.37	0.0	0.0	0.0
364	4	-3.76e-04	-7.37e-03	-0.37	-1.24e-05	1.64e-05	0.0
364	10	0.0	0.0	-0.30	0.0	0.0	0.0
364	19	-0.14	0.08	-0.27	-7.32e-06	1.04e-05	0.0
364	21	0.11	0.07	-0.27	-9.57e-06	1.25e-05	0.0
364	38	0.08	-0.16	-0.27	-8.18e-06	1.02e-05	0.0
364	51	-0.07	0.04	-0.27	-7.81e-06	1.07e-05	0.0
364	53	0.05	0.03	-0.27	-8.88e-06	1.17e-05	0.0
364	70	0.04	-0.08	-0.27	-8.22e-06	1.06e-05	0.0
364	83	-0.14	0.08	-0.27	-7.32e-06	1.04e-05	0.0
364	102	0.08	-0.16	-0.27	-8.18e-06	1.02e-05	0.0
364	110	0.0	0.0	-0.27	0.0	0.0	0.0
364	112	-2.51e-04	-4.91e-03	-0.27	-8.25e-06	1.09e-05	0.0
364	114	0.0	0.0	-0.27	0.0	0.0	0.0
364	116	-2.51e-04	-4.91e-03	-0.27	-8.25e-06	1.09e-05	0.0
364	118	0.0	0.0	-0.27	0.0	0.0	0.0
364	120	-2.51e-04	-4.91e-03	-0.27	-8.25e-06	1.09e-05	0.0
364	122	0.0	0.0	-0.27	0.0	0.0	0.0
364	124	-2.51e-04	-4.91e-03	-0.27	-8.25e-06	1.09e-05	0.0
365	2	0.0	0.0	-0.37	0.0	0.0	0.0
365	4	-1.47e-04	-7.15e-03	-0.37	-2.10e-06	3.04e-06	0.0
365	10	0.0	0.0	-0.30	0.0	0.0	0.0
365	19	-0.15	0.09	-0.27	0.0	1.85e-06	0.0
365	21	0.11	0.08	-0.27	-2.79e-06	3.75e-06	0.0
365	38	0.08	-0.17	-0.27	-1.32e-06	1.75e-06	0.0
365	51	-0.07	0.04	-0.27	-1.20e-06	1.94e-06	0.0
365	53	0.05	0.04	-0.27	-2.06e-06	2.85e-06	0.0
365	70	0.04	-0.08	-0.27	-1.36e-06	1.89e-06	0.0
365	83	-0.15	0.09	-0.27	0.0	1.85e-06	0.0
365	102	0.08	-0.17	-0.27	-1.32e-06	1.75e-06	0.0
365	110	0.0	0.0	-0.27	0.0	0.0	0.0
365	112	-9.80e-05	-4.77e-03	-0.27	-1.40e-06	2.03e-06	0.0
365	114	0.0	0.0	-0.27	0.0	0.0	0.0
365	116	-9.80e-05	-4.77e-03	-0.27	-1.40e-06	2.03e-06	0.0

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365	118	0.0	0.0	-0.27	0.0	0.0	0.0
365	120	-9.80e-05	-4.77e-03	-0.27	-1.40e-06	2.03e-06	0.0
365	122	0.0	0.0	-0.27	0.0	0.0	0.0
365	124	-9.80e-05	-4.77e-03	-0.27	-1.40e-06	2.03e-06	0.0
366	2	0.0	0.0	-0.37	0.0	0.0	0.0
366	4	-4.22e-05	-7.03e-03	-0.37	2.68e-06	-3.22e-06	0.0
366	7	-4.22e-05	-7.03e-03	-0.20	2.68e-06	-3.22e-06	0.0
366	10	0.0	0.0	-0.30	0.0	0.0	0.0
366	19	-0.15	0.10	-0.27	1.66e-06	-1.96e-06	0.0
366	20	-0.13	9.63e-03	-0.27	1.39e-06	-1.65e-06	0.0
366	38	0.09	-0.17	-0.27	1.40e-06	-1.74e-06	0.0
366	51	-0.07	0.05	-0.27	1.73e-06	-2.06e-06	0.0
366	52	-0.06	2.16e-03	-0.27	1.59e-06	-1.91e-06	0.0
366	70	0.04	-0.09	-0.27	1.60e-06	-1.95e-06	0.0
366	83	-0.15	0.10	-0.27	1.66e-06	-1.96e-06	0.0
366	102	0.09	-0.17	-0.27	1.40e-06	-1.74e-06	0.0
366	110	0.0	0.0	-0.27	0.0	0.0	0.0
366	111	-2.81e-05	-4.69e-03	-0.19	1.78e-06	-2.15e-06	0.0
366	112	-2.81e-05	-4.69e-03	-0.27	1.78e-06	-2.15e-06	0.0
366	114	0.0	0.0	-0.27	0.0	0.0	0.0
366	115	-2.81e-05	-4.69e-03	-0.19	1.78e-06	-2.15e-06	0.0
366	116	-2.81e-05	-4.69e-03	-0.27	1.78e-06	-2.15e-06	0.0
366	118	0.0	0.0	-0.27	0.0	0.0	0.0
366	119	-2.81e-05	-4.69e-03	-0.19	1.78e-06	-2.15e-06	0.0
366	120	-2.81e-05	-4.69e-03	-0.27	1.78e-06	-2.15e-06	0.0
366	122	0.0	0.0	-0.27	0.0	0.0	0.0
366	123	-2.81e-05	-4.69e-03	-0.19	1.78e-06	-2.15e-06	0.0
366	124	-2.81e-05	-4.69e-03	-0.27	1.78e-06	-2.15e-06	0.0
367	2	0.0	0.0	-0.37	0.0	0.0	0.0
367	4	-8.98e-06	-6.97e-03	-0.37	4.35e-06	-5.42e-06	0.0
367	7	-8.98e-06	-6.97e-03	-0.20	4.35e-06	-5.42e-06	0.0
367	10	0.0	0.0	-0.30	0.0	0.0	0.0
367	19	-0.16	0.11	-0.27	2.34e-06	-2.99e-06	0.0
367	36	-0.08	-0.13	-0.27	5.04e-06	-6.31e-06	0.0
367	38	0.09	-0.18	-0.27	2.19e-06	-2.71e-06	0.0
367	51	-0.08	0.05	-0.27	2.63e-06	-3.31e-06	0.0
367	68	-0.04	-0.06	-0.27	3.92e-06	-4.90e-06	0.0
367	70	0.04	-0.09	-0.27	2.56e-06	-3.18e-06	0.0
367	83	-0.16	0.11	-0.27	2.34e-06	-2.99e-06	0.0
367	102	0.09	-0.18	-0.27	2.19e-06	-2.71e-06	0.0
367	110	0.0	0.0	-0.27	0.0	0.0	0.0
367	111	-5.98e-06	-4.65e-03	-0.19	2.90e-06	-3.61e-06	0.0
367	112	-5.98e-06	-4.65e-03	-0.27	2.90e-06	-3.61e-06	0.0
367	114	0.0	0.0	-0.27	0.0	0.0	0.0
367	115	-5.98e-06	-4.65e-03	-0.19	2.90e-06	-3.61e-06	0.0
367	116	-5.98e-06	-4.65e-03	-0.27	2.90e-06	-3.61e-06	0.0
367	118	0.0	0.0	-0.27	0.0	0.0	0.0
367	119	-5.98e-06	-4.65e-03	-0.19	2.90e-06	-3.61e-06	0.0
367	120	-5.98e-06	-4.65e-03	-0.27	2.90e-06	-3.61e-06	0.0
367	122	0.0	0.0	-0.27	0.0	0.0	0.0
367	123	-5.98e-06	-4.65e-03	-0.19	2.90e-06	-3.61e-06	0.0
367	124	-5.98e-06	-4.65e-03	-0.27	2.90e-06	-3.61e-06	0.0
368	2	0.0	0.0	-0.37	0.0	0.0	0.0
368	4	-1.01e-05	-6.94e-03	-0.37	4.58e-06	-5.67e-06	0.0
368	7	-1.01e-05	-6.94e-03	-0.20	4.58e-06	-5.67e-06	0.0
368	10	0.0	0.0	-0.30	0.0	0.0	0.0
368	19	-0.16	0.12	-0.27	1.99e-06	-2.73e-06	0.0
368	36	-0.08	-0.13	-0.27	5.99e-06	-7.30e-06	0.0
368	38	0.10	-0.19	-0.27	1.95e-06	-2.30e-06	0.0
368	51	-0.08	0.05	-0.27	2.54e-06	-3.28e-06	0.0
368	68	-0.04	-0.06	-0.27	4.45e-06	-5.46e-06	0.0
368	70	0.05	-0.09	-0.27	2.52e-06	-3.07e-06	0.0
368	83	-0.16	0.12	-0.27	1.99e-06	-2.73e-06	0.0
368	102	0.10	-0.19	-0.27	1.95e-06	-2.30e-06	0.0
368	110	0.0	0.0	-0.27	0.0	0.0	0.0

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368	111	-6.76e-06	-4.63e-03	-0.19	3.05e-06	-3.78e-06	0.0
368	112	-6.76e-06	-4.63e-03	-0.27	3.05e-06	-3.78e-06	0.0
368	114	0.0	0.0	-0.27	0.0	0.0	0.0
368	115	-6.76e-06	-4.63e-03	-0.19	3.05e-06	-3.78e-06	0.0
368	116	-6.76e-06	-4.63e-03	-0.27	3.05e-06	-3.78e-06	0.0
368	118	0.0	0.0	-0.27	0.0	0.0	0.0
368	119	-6.76e-06	-4.63e-03	-0.19	3.05e-06	-3.78e-06	0.0
368	120	-6.76e-06	-4.63e-03	-0.27	3.05e-06	-3.78e-06	0.0
368	122	0.0	0.0	-0.27	0.0	0.0	0.0
368	123	-6.76e-06	-4.63e-03	-0.19	3.05e-06	-3.78e-06	0.0
368	124	-6.76e-06	-4.63e-03	-0.27	3.05e-06	-3.78e-06	0.0
369	2	0.0	0.0	-0.37	0.0	0.0	0.0
369	4	-2.26e-05	-6.92e-03	-0.37	4.36e-06	-5.30e-06	0.0
369	7	-2.26e-05	-6.92e-03	-0.20	4.36e-06	-5.30e-06	0.0
369	10	0.0	0.0	-0.30	0.0	0.0	0.0
369	19	-0.17	0.12	-0.27	1.32e-06	-2.11e-06	0.0
369	36	-0.09	-0.13	-0.27	6.75e-06	-7.97e-06	0.0
369	38	0.10	-0.19	-0.27	1.39e-06	-1.45e-06	0.0
369	51	-0.08	0.06	-0.27	2.15e-06	-2.85e-06	0.0
369	68	-0.04	-0.07	-0.27	4.74e-06	-5.65e-06	0.0
369	70	0.05	-0.10	-0.27	2.18e-06	-2.53e-06	0.0
369	83	-0.17	0.12	-0.27	1.32e-06	-2.11e-06	0.0
369	102	0.10	-0.19	-0.27	1.39e-06	-1.45e-06	0.0
369	110	0.0	0.0	-0.27	0.0	0.0	0.0
369	111	-1.51e-05	-4.62e-03	-0.19	2.91e-06	-3.53e-06	0.0
369	112	-1.51e-05	-4.62e-03	-0.27	2.91e-06	-3.53e-06	0.0
369	114	0.0	0.0	-0.27	0.0	0.0	0.0
369	115	-1.51e-05	-4.62e-03	-0.19	2.91e-06	-3.53e-06	0.0
369	116	-1.51e-05	-4.62e-03	-0.27	2.91e-06	-3.53e-06	0.0
369	118	0.0	0.0	-0.27	0.0	0.0	0.0
369	119	-1.51e-05	-4.62e-03	-0.19	2.91e-06	-3.53e-06	0.0
369	120	-1.51e-05	-4.62e-03	-0.27	2.91e-06	-3.53e-06	0.0
369	122	0.0	0.0	-0.27	0.0	0.0	0.0
369	123	-1.51e-05	-4.62e-03	-0.19	2.91e-06	-3.53e-06	0.0
369	124	-1.51e-05	-4.62e-03	-0.27	2.91e-06	-3.53e-06	0.0
370	4	-3.50e-05	-6.91e-03	-0.37	4.19e-06	-4.96e-06	0.0
370	7	-3.50e-05	-6.91e-03	-0.20	4.19e-06	-4.96e-06	0.0
370	12	-3.04e-05	-5.99e-03	-0.30	3.63e-06	-4.30e-06	0.0
370	19	-0.17	0.13	-0.27	0.0	-1.63e-06	0.0
370	36	-0.09	-0.14	-0.28	7.47e-06	-8.54e-06	0.0
370	38	0.11	-0.20	-0.27	0.0	0.0	0.0
370	51	-0.08	0.06	-0.27	1.79e-06	-2.51e-06	0.0
370	68	-0.04	-0.07	-0.27	5.03e-06	-5.81e-06	0.0
370	70	0.05	-0.10	-0.27	1.89e-06	-2.05e-06	0.0
370	83	-0.17	0.13	-0.27	0.0	-1.63e-06	0.0
370	102	0.11	-0.20	-0.27	0.0	0.0	0.0
370	111	-2.34e-05	-4.60e-03	-0.19	2.79e-06	-3.31e-06	0.0
370	112	-2.34e-05	-4.60e-03	-0.27	2.79e-06	-3.31e-06	0.0
370	115	-2.34e-05	-4.60e-03	-0.19	2.79e-06	-3.31e-06	0.0
370	116	-2.34e-05	-4.60e-03	-0.27	2.79e-06	-3.31e-06	0.0
370	119	-2.34e-05	-4.60e-03	-0.19	2.79e-06	-3.31e-06	0.0
370	120	-2.34e-05	-4.60e-03	-0.27	2.79e-06	-3.31e-06	0.0
370	123	-2.34e-05	-4.60e-03	-0.19	2.79e-06	-3.31e-06	0.0
370	124	-2.34e-05	-4.60e-03	-0.27	2.79e-06	-3.31e-06	0.0
371	4	-4.55e-05	-6.89e-03	-0.37	4.13e-06	-4.77e-06	0.0
371	7	-4.55e-05	-6.89e-03	-0.20	4.13e-06	-4.77e-06	0.0
371	12	-3.94e-05	-5.97e-03	-0.30	3.58e-06	-4.13e-06	0.0
371	19	-0.18	0.14	-0.27	0.0	-1.45e-06	0.0
371	36	-0.10	-0.14	-0.28	7.89e-06	-8.71e-06	0.0
371	38	0.11	-0.21	-0.27	0.0	0.0	0.0
371	51	-0.08	0.06	-0.27	1.59e-06	-2.36e-06	0.0
371	68	-0.05	-0.07	-0.27	5.21e-06	-5.82e-06	0.0
371	70	0.05	-0.10	-0.27	1.78e-06	-1.81e-06	0.0
371	83	-0.18	0.14	-0.27	0.0	-1.45e-06	0.0
371	102	0.11	-0.21	-0.27	0.0	0.0	0.0

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371	111	-3.03e-05	-4.59e-03	-0.19	2.76e-06	-3.18e-06	0.0
371	112	-3.03e-05	-4.59e-03	-0.27	2.76e-06	-3.18e-06	0.0
371	115	-3.03e-05	-4.59e-03	-0.19	2.76e-06	-3.18e-06	0.0
371	116	-3.03e-05	-4.59e-03	-0.27	2.76e-06	-3.18e-06	0.0
371	119	-3.03e-05	-4.59e-03	-0.19	2.76e-06	-3.18e-06	0.0
371	120	-3.03e-05	-4.59e-03	-0.27	2.76e-06	-3.18e-06	0.0
371	123	-3.03e-05	-4.59e-03	-0.19	2.76e-06	-3.18e-06	0.0
371	124	-3.03e-05	-4.59e-03	-0.27	2.76e-06	-3.18e-06	0.0
372	4	-1.02e-03	-8.20e-03	-0.38	-5.40e-05	5.34e-05	0.0
372	12	-8.85e-04	-7.11e-03	-0.31	-4.68e-05	4.63e-05	0.0
372	19	-0.14	0.07	-0.28	-3.43e-05	3.53e-05	0.0
372	21	0.11	0.06	-0.28	-3.79e-05	3.68e-05	0.0
372	38	0.07	-0.15	-0.28	-3.57e-05	3.39e-05	0.0
372	51	-0.07	0.03	-0.28	-3.52e-05	3.54e-05	0.0
372	53	0.05	0.03	-0.28	-3.69e-05	3.62e-05	0.0
372	70	0.03	-0.07	-0.28	-3.58e-05	3.48e-05	0.0
372	83	-0.14	0.07	-0.28	-3.43e-05	3.53e-05	0.0
372	102	0.07	-0.15	-0.28	-3.57e-05	3.39e-05	0.0
372	112	-6.81e-04	-5.47e-03	-0.28	-3.60e-05	3.56e-05	0.0
372	116	-6.81e-04	-5.47e-03	-0.28	-3.60e-05	3.56e-05	0.0
372	120	-6.81e-04	-5.47e-03	-0.28	-3.60e-05	3.56e-05	0.0
372	124	-6.81e-04	-5.47e-03	-0.28	-3.60e-05	3.56e-05	0.0
373	4	-5.46e-04	-7.66e-03	-0.37	-2.62e-05	2.60e-05	0.0
373	12	-4.73e-04	-6.64e-03	-0.30	-2.27e-05	2.26e-05	0.0
373	19	-0.15	0.07	-0.27	-1.63e-05	1.70e-05	0.0
373	21	0.11	0.06	-0.27	-1.91e-05	1.85e-05	0.0
373	38	0.08	-0.15	-0.27	-1.71e-05	1.62e-05	0.0
373	51	-0.07	0.03	-0.27	-1.69e-05	1.72e-05	0.0
373	53	0.05	0.03	-0.27	-1.82e-05	1.79e-05	0.0
373	70	0.04	-0.08	-0.27	-1.73e-05	1.68e-05	0.0
373	83	-0.15	0.07	-0.27	-1.63e-05	1.70e-05	0.0
373	102	0.08	-0.15	-0.27	-1.71e-05	1.62e-05	0.0
373	112	-3.64e-04	-5.11e-03	-0.27	-1.75e-05	1.74e-05	0.0
373	116	-3.64e-04	-5.11e-03	-0.27	-1.75e-05	1.74e-05	0.0
373	120	-3.64e-04	-5.11e-03	-0.27	-1.75e-05	1.74e-05	0.0
373	124	-3.64e-04	-5.11e-03	-0.27	-1.75e-05	1.74e-05	0.0
374	2	0.0	0.0	-0.37	0.0	0.0	0.0
374	4	-2.60e-04	-7.33e-03	-0.37	-9.38e-06	9.42e-06	0.0
374	10	0.0	0.0	-0.30	0.0	0.0	0.0
374	19	-0.15	0.08	-0.27	-5.58e-06	6.07e-06	0.0
374	33	0.07	0.11	-0.27	-7.53e-06	7.83e-06	0.0
374	38	0.08	-0.16	-0.27	-6.04e-06	5.63e-06	0.0
374	51	-0.07	0.04	-0.27	-5.93e-06	6.18e-06	0.0
374	65	0.04	0.05	-0.27	-6.86e-06	7.02e-06	0.0
374	70	0.04	-0.08	-0.27	-6.15e-06	5.97e-06	0.0
374	83	-0.15	0.08	-0.27	-5.58e-06	6.07e-06	0.0
374	102	0.08	-0.16	-0.27	-6.04e-06	5.63e-06	0.0
374	110	0.0	0.0	-0.27	0.0	0.0	0.0
374	112	-1.73e-04	-4.89e-03	-0.27	-6.25e-06	6.28e-06	0.0
374	114	0.0	0.0	-0.27	0.0	0.0	0.0
374	116	-1.73e-04	-4.89e-03	-0.27	-6.25e-06	6.28e-06	0.0
374	118	0.0	0.0	-0.27	0.0	0.0	0.0
374	120	-1.73e-04	-4.89e-03	-0.27	-6.25e-06	6.28e-06	0.0
374	122	0.0	0.0	-0.27	0.0	0.0	0.0
374	124	-1.73e-04	-4.89e-03	-0.27	-6.25e-06	6.28e-06	0.0
375	2	0.0	0.0	-0.37	0.0	0.0	0.0
375	4	-1.08e-04	-7.13e-03	-0.37	0.0	0.0	0.0
375	10	0.0	0.0	-0.30	0.0	0.0	0.0
375	19	-0.16	0.09	-0.27	0.0	0.0	0.0
375	33	0.08	0.11	-0.27	-1.76e-06	2.03e-06	0.0
375	38	0.09	-0.16	-0.27	0.0	0.0	0.0
375	51	-0.08	0.04	-0.27	0.0	0.0	0.0
375	65	0.04	0.05	-0.27	0.0	1.13e-06	0.0
375	70	0.04	-0.08	-0.27	0.0	0.0	0.0
375	83	-0.16	0.09	-0.27	0.0	0.0	0.0

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375	102	0.09	-0.16	-0.27	0.0	0.0	0.0
375	110	0.0	0.0	-0.27	0.0	0.0	0.0
375	112	-7.19e-05	-4.76e-03	-0.27	0.0	0.0	0.0
375	114	0.0	0.0	-0.27	0.0	0.0	0.0
375	116	-7.19e-05	-4.76e-03	-0.27	0.0	0.0	0.0
375	118	0.0	0.0	-0.27	0.0	0.0	0.0
375	120	-7.19e-05	-4.76e-03	-0.27	0.0	0.0	0.0
375	122	0.0	0.0	-0.27	0.0	0.0	0.0
375	124	-7.19e-05	-4.76e-03	-0.27	0.0	0.0	0.0
376	2	0.0	0.0	-0.37	0.0	0.0	0.0
376	4	-4.16e-05	-7.03e-03	-0.37	3.85e-06	-3.60e-06	0.0
376	10	0.0	0.0	-0.30	0.0	0.0	0.0
376	19	-0.16	0.09	-0.27	2.19e-06	-1.99e-06	0.0
376	20	-0.13	5.18e-03	-0.27	1.85e-06	-1.66e-06	0.0
376	38	0.10	-0.17	-0.27	2.16e-06	-2.02e-06	0.0
376	51	-0.08	0.04	-0.27	2.39e-06	-2.20e-06	0.0
376	52	-0.06	1.96e-05	-0.27	2.22e-06	-2.04e-06	0.0
376	70	0.05	-0.08	-0.27	2.37e-06	-2.22e-06	0.0
376	83	-0.16	0.09	-0.27	2.19e-06	-1.99e-06	0.0
376	102	0.10	-0.17	-0.27	2.16e-06	-2.02e-06	0.0
376	110	0.0	0.0	-0.27	0.0	0.0	0.0
376	112	-2.78e-05	-4.69e-03	-0.27	2.57e-06	-2.40e-06	0.0
376	114	0.0	0.0	-0.27	0.0	0.0	0.0
376	116	-2.78e-05	-4.69e-03	-0.27	2.57e-06	-2.40e-06	0.0
376	118	0.0	0.0	-0.27	0.0	0.0	0.0
376	120	-2.78e-05	-4.69e-03	-0.27	2.57e-06	-2.40e-06	0.0
376	122	0.0	0.0	-0.27	0.0	0.0	0.0
376	124	-2.78e-05	-4.69e-03	-0.27	2.57e-06	-2.40e-06	0.0
377	2	0.0	0.0	-0.37	0.0	0.0	0.0
377	7	-2.38e-05	-6.98e-03	-0.20	5.24e-06	-4.92e-06	0.0
377	10	0.0	0.0	-0.30	0.0	0.0	0.0
377	19	-0.17	0.10	-0.27	2.63e-06	-2.49e-06	0.0
377	24	-0.12	-0.09	-0.27	6.21e-06	-5.91e-06	0.0
377	38	0.10	-0.17	-0.27	2.70e-06	-2.41e-06	0.0
377	51	-0.08	0.05	-0.27	3.08e-06	-2.90e-06	0.0
377	56	-0.06	-0.05	-0.27	4.79e-06	-4.54e-06	0.0
377	70	0.05	-0.09	-0.27	3.11e-06	-2.86e-06	0.0
377	83	-0.17	0.10	-0.27	2.63e-06	-2.49e-06	0.0
377	102	0.10	-0.17	-0.27	2.70e-06	-2.41e-06	0.0
377	110	0.0	0.0	-0.27	0.0	0.0	0.0
377	111	-1.59e-05	-4.66e-03	-0.19	3.49e-06	-3.28e-06	0.0
377	114	0.0	0.0	-0.27	0.0	0.0	0.0
377	115	-1.59e-05	-4.66e-03	-0.19	3.49e-06	-3.28e-06	0.0
377	118	0.0	0.0	-0.27	0.0	0.0	0.0
377	119	-1.59e-05	-4.66e-03	-0.19	3.49e-06	-3.28e-06	0.0
377	122	0.0	0.0	-0.27	0.0	0.0	0.0
377	123	-1.59e-05	-4.66e-03	-0.19	3.49e-06	-3.28e-06	0.0
378	2	0.0	0.0	-0.37	0.0	0.0	0.0
378	7	-2.87e-05	-6.96e-03	-0.20	5.36e-06	-4.97e-06	0.0
378	10	0.0	0.0	-0.30	0.0	0.0	0.0
378	19	-0.17	0.11	-0.27	2.16e-06	-2.12e-06	0.0
378	24	-0.12	-0.10	-0.27	7.10e-06	-6.75e-06	0.0
378	38	0.11	-0.18	-0.27	2.38e-06	-1.90e-06	0.0
378	51	-0.08	0.05	-0.27	2.89e-06	-2.74e-06	0.0
378	56	-0.06	-0.05	-0.27	5.26e-06	-4.96e-06	0.0
378	70	0.05	-0.09	-0.27	3.00e-06	-2.64e-06	0.0
378	83	-0.17	0.11	-0.27	2.16e-06	-2.12e-06	0.0
378	102	0.11	-0.18	-0.27	2.38e-06	-1.90e-06	0.0
378	110	0.0	0.0	-0.27	0.0	0.0	0.0
378	111	-1.91e-05	-4.64e-03	-0.19	3.57e-06	-3.31e-06	0.0
378	114	0.0	0.0	-0.27	0.0	0.0	0.0
378	115	-1.91e-05	-4.64e-03	-0.19	3.57e-06	-3.31e-06	0.0
378	118	0.0	0.0	-0.27	0.0	0.0	0.0
378	119	-1.91e-05	-4.64e-03	-0.19	3.57e-06	-3.31e-06	0.0
378	122	0.0	0.0	-0.27	0.0	0.0	0.0

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378	123	-1.91e-05	-4.64e-03	-0.19	3.57e-06	-3.31e-06	0.0
379	2	0.0	0.0	-0.37	0.0	0.0	0.0
379	7	-4.05e-05	-6.95e-03	-0.20	5.11e-06	-4.65e-06	0.0
379	10	0.0	0.0	-0.30	0.0	0.0	0.0
379	19	-0.18	0.11	-0.27	1.44e-06	-1.53e-06	0.0
379	36	-0.10	-0.13	-0.27	7.73e-06	-7.54e-06	0.0
379	38	0.12	-0.18	-0.27	1.84e-06	-1.13e-06	0.0
379	51	-0.09	0.05	-0.27	2.46e-06	-2.35e-06	0.0
379	68	-0.05	-0.06	-0.27	5.48e-06	-5.22e-06	0.0
379	70	0.06	-0.09	-0.27	2.66e-06	-2.15e-06	0.0
379	83	-0.18	0.11	-0.27	1.44e-06	-1.53e-06	0.0
379	102	0.12	-0.18	-0.27	1.84e-06	-1.13e-06	0.0
379	110	0.0	0.0	-0.27	0.0	0.0	0.0
379	111	-2.70e-05	-4.63e-03	-0.19	3.41e-06	-3.10e-06	0.0
379	114	0.0	0.0	-0.27	0.0	0.0	0.0
379	115	-2.70e-05	-4.63e-03	-0.19	3.41e-06	-3.10e-06	0.0
379	118	0.0	0.0	-0.27	0.0	0.0	0.0
379	119	-2.70e-05	-4.63e-03	-0.19	3.41e-06	-3.10e-06	0.0
379	122	0.0	0.0	-0.27	0.0	0.0	0.0
379	123	-2.70e-05	-4.63e-03	-0.19	3.41e-06	-3.10e-06	0.0
380	4	-5.17e-05	-6.93e-03	-0.37	4.94e-06	-4.39e-06	0.0
380	7	-5.17e-05	-6.93e-03	-0.20	4.94e-06	-4.39e-06	0.0
380	12	-4.48e-05	-6.01e-03	-0.30	4.28e-06	-3.80e-06	0.0
380	19	-0.18	0.12	-0.27	0.0	-1.07e-06	0.0
380	36	-0.11	-0.13	-0.28	8.38e-06	-8.15e-06	0.0
380	38	0.12	-0.19	-0.27	1.44e-06	0.0	0.0
380	51	-0.09	0.05	-0.27	2.10e-06	-2.04e-06	0.0
380	68	-0.05	-0.06	-0.27	5.73e-06	-5.42e-06	0.0
380	70	0.06	-0.09	-0.27	2.41e-06	-1.73e-06	0.0
380	83	-0.18	0.12	-0.27	0.0	-1.07e-06	0.0
380	102	0.12	-0.19	-0.27	1.44e-06	0.0	0.0
380	111	-3.45e-05	-4.62e-03	-0.19	3.29e-06	-2.92e-06	0.0
380	112	-3.45e-05	-4.62e-03	-0.27	3.29e-06	-2.92e-06	0.0
380	115	-3.45e-05	-4.62e-03	-0.19	3.29e-06	-2.92e-06	0.0
380	116	-3.45e-05	-4.62e-03	-0.27	3.29e-06	-2.92e-06	0.0
380	119	-3.45e-05	-4.62e-03	-0.19	3.29e-06	-2.92e-06	0.0
380	120	-3.45e-05	-4.62e-03	-0.27	3.29e-06	-2.92e-06	0.0
380	123	-3.45e-05	-4.62e-03	-0.19	3.29e-06	-2.92e-06	0.0
380	124	-3.45e-05	-4.62e-03	-0.27	3.29e-06	-2.92e-06	0.0
381	4	-6.16e-05	-6.92e-03	-0.37	4.88e-06	-4.24e-06	0.0
381	7	-6.16e-05	-6.92e-03	-0.20	4.88e-06	-4.24e-06	0.0
381	12	-5.34e-05	-6.00e-03	-0.30	4.23e-06	-3.67e-06	0.0
381	19	-0.19	0.12	-0.27	0.0	0.0	0.0
381	36	-0.11	-0.13	-0.28	8.67e-06	-8.41e-06	0.0
381	38	0.13	-0.19	-0.27	1.33e-06	0.0	0.0
381	51	-0.09	0.06	-0.27	1.93e-06	-1.90e-06	0.0
381	68	-0.05	-0.07	-0.27	5.85e-06	-5.49e-06	0.0
381	70	0.06	-0.10	-0.27	2.33e-06	-1.50e-06	0.0
381	83	-0.19	0.12	-0.27	0.0	0.0	0.0
381	102	0.13	-0.19	-0.27	1.33e-06	0.0	0.0
381	111	-4.10e-05	-4.61e-03	-0.19	3.26e-06	-2.82e-06	0.0
381	112	-4.10e-05	-4.61e-03	-0.27	3.26e-06	-2.82e-06	0.0
381	115	-4.10e-05	-4.61e-03	-0.19	3.26e-06	-2.82e-06	0.0
381	116	-4.10e-05	-4.61e-03	-0.27	3.26e-06	-2.82e-06	0.0
381	119	-4.10e-05	-4.61e-03	-0.19	3.26e-06	-2.82e-06	0.0
381	120	-4.10e-05	-4.61e-03	-0.27	3.26e-06	-2.82e-06	0.0
381	123	-4.10e-05	-4.61e-03	-0.19	3.26e-06	-2.82e-06	0.0
381	124	-4.10e-05	-4.61e-03	-0.27	3.26e-06	-2.82e-06	0.0
382	4	-1.15e-03	-8.69e-03	-0.39	-7.93e-05	6.13e-05	0.0
382	12	-1.00e-03	-7.53e-03	-0.31	-6.87e-05	5.31e-05	0.0
382	19	-0.14	0.06	-0.28	-5.11e-05	4.10e-05	0.0
382	33	0.06	0.11	-0.28	-5.46e-05	4.27e-05	0.0
382	38	0.07	-0.14	-0.28	-5.21e-05	3.88e-05	0.0
382	51	-0.07	0.03	-0.28	-5.20e-05	4.09e-05	0.0
382	65	0.03	0.05	-0.28	-5.37e-05	4.17e-05	0.0

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382	70	0.03	-0.07	-0.28	-5.25e-05	3.99e-05	0.0
382	83	-0.14	0.06	-0.28	-5.11e-05	4.10e-05	0.0
382	102	0.07	-0.14	-0.28	-5.21e-05	3.88e-05	0.0
382	112	-7.70e-04	-5.79e-03	-0.28	-5.29e-05	4.08e-05	0.0
382	116	-7.70e-04	-5.79e-03	-0.28	-5.29e-05	4.08e-05	0.0
382	120	-7.70e-04	-5.79e-03	-0.28	-5.29e-05	4.08e-05	0.0
382	124	-7.70e-04	-5.79e-03	-0.28	-5.29e-05	4.08e-05	0.0
383	4	-6.25e-04	-7.96e-03	-0.38	-4.04e-05	3.08e-05	0.0
383	12	-5.41e-04	-6.89e-03	-0.30	-3.50e-05	2.67e-05	0.0
383	19	-0.15	0.07	-0.27	-2.58e-05	2.05e-05	0.0
383	33	0.07	0.11	-0.28	-2.85e-05	2.19e-05	0.0
383	38	0.08	-0.15	-0.27	-2.62e-05	1.91e-05	0.0
383	51	-0.07	0.03	-0.27	-2.64e-05	2.05e-05	0.0
383	65	0.03	0.05	-0.27	-2.77e-05	2.12e-05	0.0
383	70	0.04	-0.07	-0.27	-2.66e-05	1.98e-05	0.0
383	83	-0.15	0.07	-0.27	-2.58e-05	2.05e-05	0.0
383	102	0.08	-0.15	-0.27	-2.62e-05	1.91e-05	0.0
383	112	-4.16e-04	-5.30e-03	-0.27	-2.69e-05	2.05e-05	0.0
383	116	-4.16e-04	-5.30e-03	-0.27	-2.69e-05	2.05e-05	0.0
383	120	-4.16e-04	-5.30e-03	-0.27	-2.69e-05	2.05e-05	0.0
383	124	-4.16e-04	-5.30e-03	-0.27	-2.69e-05	2.05e-05	0.0
384	2	0.0	0.0	-0.37	0.0	0.0	0.0
384	4	-3.04e-04	-7.49e-03	-0.37	-1.62e-05	1.22e-05	0.0
384	10	0.0	0.0	-0.30	0.0	0.0	0.0
384	19	-0.16	0.07	-0.27	-1.01e-05	8.08e-06	0.0
384	33	0.08	0.11	-0.27	-1.23e-05	9.43e-06	0.0
384	38	0.09	-0.15	-0.27	-1.03e-05	7.26e-06	0.0
384	51	-0.07	0.03	-0.27	-1.04e-05	8.12e-06	0.0
384	65	0.04	0.05	-0.27	-1.15e-05	8.77e-06	0.0
384	70	0.04	-0.07	-0.27	-1.05e-05	7.73e-06	0.0
384	83	-0.16	0.07	-0.27	-1.01e-05	8.08e-06	0.0
384	102	0.09	-0.15	-0.27	-1.03e-05	7.26e-06	0.0
384	110	0.0	0.0	-0.27	0.0	0.0	0.0
384	112	-2.03e-04	-4.99e-03	-0.27	-1.08e-05	8.16e-06	0.0
384	114	0.0	0.0	-0.27	0.0	0.0	0.0
384	116	-2.03e-04	-4.99e-03	-0.27	-1.08e-05	8.16e-06	0.0
384	118	0.0	0.0	-0.27	0.0	0.0	0.0
384	120	-2.03e-04	-4.99e-03	-0.27	-1.08e-05	8.16e-06	0.0
384	122	0.0	0.0	-0.27	0.0	0.0	0.0
384	124	-2.03e-04	-4.99e-03	-0.27	-1.08e-05	8.16e-06	0.0
385	2	0.0	0.0	-0.37	0.0	0.0	0.0
385	4	-1.33e-04	-7.22e-03	-0.37	-2.78e-06	2.19e-06	0.0
385	10	0.0	0.0	-0.30	0.0	0.0	0.0
385	19	-0.16	0.08	-0.27	-1.57e-06	1.37e-06	0.0
385	33	0.08	0.11	-0.27	-3.58e-06	2.83e-06	0.0
385	38	0.10	-0.15	-0.27	-1.68e-06	1.06e-06	0.0
385	51	-0.08	0.03	-0.27	-1.72e-06	1.42e-06	0.0
385	65	0.04	0.05	-0.27	-2.67e-06	2.11e-06	0.0
385	70	0.05	-0.08	-0.27	-1.77e-06	1.27e-06	0.0
385	83	-0.16	0.08	-0.27	-1.57e-06	1.37e-06	0.0
385	102	0.10	-0.15	-0.27	-1.68e-06	1.06e-06	0.0
385	110	0.0	0.0	-0.27	0.0	0.0	0.0
385	112	-8.84e-05	-4.81e-03	-0.27	-1.85e-06	1.46e-06	0.0
385	114	0.0	0.0	-0.27	0.0	0.0	0.0
385	116	-8.84e-05	-4.81e-03	-0.27	-1.85e-06	1.46e-06	0.0
385	118	0.0	0.0	-0.27	0.0	0.0	0.0
385	120	-8.84e-05	-4.81e-03	-0.27	-1.85e-06	1.46e-06	0.0
385	122	0.0	0.0	-0.27	0.0	0.0	0.0
385	124	-8.84e-05	-4.81e-03	-0.27	-1.85e-06	1.46e-06	0.0
386	2	0.0	0.0	-0.37	0.0	0.0	0.0
386	4	-5.61e-05	-7.08e-03	-0.37	3.51e-06	-2.45e-06	0.0
386	7	-5.61e-05	-7.08e-03	-0.20	3.51e-06	-2.45e-06	0.0
386	10	0.0	0.0	-0.30	0.0	0.0	0.0
386	19	-0.17	0.08	-0.27	1.93e-06	-1.25e-06	0.0
386	38	0.10	-0.16	-0.27	2.15e-06	-1.51e-06	0.0

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386	40	0.01	-0.13	-0.27	1.84e-06	-1.23e-06	0.0
386	51	-0.08	0.04	-0.27	2.15e-06	-1.45e-06	0.0
386	70	0.05	-0.08	-0.27	2.25e-06	-1.58e-06	0.0
386	72	6.81e-03	-0.07	-0.27	2.10e-06	-1.44e-06	0.0
386	83	-0.17	0.08	-0.27	1.93e-06	-1.25e-06	0.0
386	102	0.10	-0.16	-0.27	2.15e-06	-1.51e-06	0.0
386	110	0.0	0.0	-0.27	0.0	0.0	0.0
386	111	-3.74e-05	-4.72e-03	-0.19	2.34e-06	-1.64e-06	0.0
386	112	-3.74e-05	-4.72e-03	-0.27	2.34e-06	-1.64e-06	0.0
386	114	0.0	0.0	-0.27	0.0	0.0	0.0
386	115	-3.74e-05	-4.72e-03	-0.19	2.34e-06	-1.64e-06	0.0
386	116	-3.74e-05	-4.72e-03	-0.27	2.34e-06	-1.64e-06	0.0
386	118	0.0	0.0	-0.27	0.0	0.0	0.0
386	119	-3.74e-05	-4.72e-03	-0.19	2.34e-06	-1.64e-06	0.0
386	120	-3.74e-05	-4.72e-03	-0.27	2.34e-06	-1.64e-06	0.0
386	122	0.0	0.0	-0.27	0.0	0.0	0.0
386	123	-3.74e-05	-4.72e-03	-0.19	2.34e-06	-1.64e-06	0.0
386	124	-3.74e-05	-4.72e-03	-0.27	2.34e-06	-1.64e-06	0.0
387	2	0.0	0.0	-0.37	0.0	0.0	0.0
387	4	-3.32e-05	-7.01e-03	-0.37	5.76e-06	-4.05e-06	0.0
387	7	-3.32e-05	-7.01e-03	-0.20	5.76e-06	-4.05e-06	0.0
387	10	0.0	0.0	-0.30	0.0	0.0	0.0
387	19	-0.17	0.09	-0.27	2.94e-06	-1.99e-06	0.0
387	24	-0.12	-0.08	-0.27	6.53e-06	-4.83e-06	0.0
387	38	0.11	-0.16	-0.27	3.21e-06	-2.14e-06	0.0
387	51	-0.08	0.04	-0.27	3.41e-06	-2.36e-06	0.0
387	56	-0.06	-0.04	-0.27	5.12e-06	-3.72e-06	0.0
387	70	0.05	-0.08	-0.27	3.54e-06	-2.43e-06	0.0
387	83	-0.17	0.09	-0.27	2.94e-06	-1.99e-06	0.0
387	102	0.11	-0.16	-0.27	3.21e-06	-2.14e-06	0.0
387	110	0.0	0.0	-0.27	0.0	0.0	0.0
387	111	-2.22e-05	-4.67e-03	-0.19	3.84e-06	-2.70e-06	0.0
387	112	-2.22e-05	-4.67e-03	-0.27	3.84e-06	-2.70e-06	0.0
387	114	0.0	0.0	-0.27	0.0	0.0	0.0
387	115	-2.22e-05	-4.67e-03	-0.19	3.84e-06	-2.70e-06	0.0
387	116	-2.22e-05	-4.67e-03	-0.27	3.84e-06	-2.70e-06	0.0
387	118	0.0	0.0	-0.27	0.0	0.0	0.0
387	119	-2.22e-05	-4.67e-03	-0.19	3.84e-06	-2.70e-06	0.0
387	120	-2.22e-05	-4.67e-03	-0.27	3.84e-06	-2.70e-06	0.0
387	122	0.0	0.0	-0.27	0.0	0.0	0.0
387	123	-2.22e-05	-4.67e-03	-0.19	3.84e-06	-2.70e-06	0.0
387	124	-2.22e-05	-4.67e-03	-0.27	3.84e-06	-2.70e-06	0.0
388	2	0.0	0.0	-0.37	0.0	0.0	0.0
388	4	-3.57e-05	-6.98e-03	-0.37	6.09e-06	-4.22e-06	0.0
388	7	-3.58e-05	-6.98e-03	-0.20	6.09e-06	-4.22e-06	0.0
388	10	0.0	0.0	-0.30	0.0	0.0	0.0
388	19	-0.18	0.09	-0.27	2.58e-06	-1.71e-06	0.0
388	24	-0.12	-0.09	-0.27	7.57e-06	-5.75e-06	0.0
388	38	0.12	-0.17	-0.27	3.01e-06	-1.75e-06	0.0
388	51	-0.09	0.04	-0.27	3.35e-06	-2.29e-06	0.0
388	56	-0.06	-0.04	-0.27	5.74e-06	-4.22e-06	0.0
388	70	0.06	-0.08	-0.27	3.56e-06	-2.31e-06	0.0
388	83	-0.18	0.09	-0.27	2.58e-06	-1.71e-06	0.0
388	102	0.12	-0.17	-0.27	3.01e-06	-1.75e-06	0.0
388	110	0.0	0.0	-0.27	0.0	0.0	0.0
388	111	-2.38e-05	-4.66e-03	-0.19	4.06e-06	-2.82e-06	0.0
388	112	-2.38e-05	-4.66e-03	-0.27	4.06e-06	-2.82e-06	0.0
388	114	0.0	0.0	-0.27	0.0	0.0	0.0
388	115	-2.38e-05	-4.66e-03	-0.19	4.06e-06	-2.82e-06	0.0
388	116	-2.38e-05	-4.66e-03	-0.27	4.06e-06	-2.82e-06	0.0
388	118	0.0	0.0	-0.27	0.0	0.0	0.0
388	119	-2.38e-05	-4.66e-03	-0.19	4.06e-06	-2.82e-06	0.0
388	120	-2.38e-05	-4.66e-03	-0.27	4.06e-06	-2.82e-06	0.0
388	122	0.0	0.0	-0.27	0.0	0.0	0.0
388	123	-2.38e-05	-4.66e-03	-0.19	4.06e-06	-2.82e-06	0.0

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388	124	-2.38e-05	-4.66e-03	-0.27	4.06e-06	-2.82e-06	0.0
389	2	0.0	0.0	-0.37	0.0	0.0	0.0
389	4	-4.64e-05	-6.97e-03	-0.37	5.83e-06	-3.95e-06	0.0
389	7	-4.64e-05	-6.97e-03	-0.20	5.83e-06	-3.95e-06	0.0
389	10	0.0	0.0	-0.30	0.0	0.0	0.0
389	19	-0.19	0.10	-0.27	1.80e-06	-1.11e-06	0.0
389	24	-0.13	-0.09	-0.27	8.32e-06	-6.47e-06	0.0
389	38	0.13	-0.17	-0.27	2.47e-06	-1.05e-06	0.0
389	51	-0.09	0.04	-0.27	2.89e-06	-1.90e-06	0.0
389	56	-0.06	-0.05	-0.27	6.00e-06	-4.47e-06	0.0
389	70	0.06	-0.08	-0.27	3.21e-06	-1.87e-06	0.0
389	83	-0.19	0.10	-0.27	1.80e-06	-1.11e-06	0.0
389	102	0.13	-0.17	-0.27	2.47e-06	-1.05e-06	0.0
389	110	0.0	0.0	-0.27	0.0	0.0	0.0
389	111	-3.10e-05	-4.65e-03	-0.19	3.89e-06	-2.64e-06	0.0
389	112	-3.10e-05	-4.65e-03	-0.27	3.89e-06	-2.64e-06	0.0
389	114	0.0	0.0	-0.27	0.0	0.0	0.0
389	115	-3.10e-05	-4.65e-03	-0.19	3.89e-06	-2.64e-06	0.0
389	116	-3.10e-05	-4.65e-03	-0.27	3.89e-06	-2.64e-06	0.0
389	118	0.0	0.0	-0.27	0.0	0.0	0.0
389	119	-3.10e-05	-4.65e-03	-0.19	3.89e-06	-2.64e-06	0.0
389	120	-3.10e-05	-4.65e-03	-0.27	3.89e-06	-2.64e-06	0.0
389	122	0.0	0.0	-0.27	0.0	0.0	0.0
389	123	-3.10e-05	-4.65e-03	-0.19	3.89e-06	-2.64e-06	0.0
389	124	-3.10e-05	-4.65e-03	-0.27	3.89e-06	-2.64e-06	0.0
390	4	-5.71e-05	-6.96e-03	-0.37	5.61e-06	-3.71e-06	0.0
390	7	-5.71e-05	-6.96e-03	-0.20	5.61e-06	-3.71e-06	0.0
390	12	-4.95e-05	-6.03e-03	-0.30	4.86e-06	-3.21e-06	0.0
390	19	-0.20	0.10	-0.27	1.13e-06	0.0	0.0
390	24	-0.13	-0.10	-0.28	8.96e-06	-7.14e-06	0.0
390	38	0.14	-0.18	-0.27	2.07e-06	0.0	0.0
390	51	-0.09	0.05	-0.27	2.49e-06	-1.57e-06	0.0
390	56	-0.06	-0.05	-0.27	6.24e-06	-4.70e-06	0.0
390	70	0.07	-0.09	-0.27	2.94e-06	-1.47e-06	0.0
390	83	-0.20	0.10	-0.27	1.13e-06	0.0	0.0
390	102	0.14	-0.18	-0.27	2.07e-06	0.0	0.0
390	111	-3.81e-05	-4.64e-03	-0.19	3.74e-06	-2.47e-06	0.0
390	112	-3.81e-05	-4.64e-03	-0.27	3.74e-06	-2.47e-06	0.0
390	115	-3.81e-05	-4.64e-03	-0.19	3.74e-06	-2.47e-06	0.0
390	116	-3.81e-05	-4.64e-03	-0.27	3.74e-06	-2.47e-06	0.0
390	119	-3.81e-05	-4.64e-03	-0.19	3.74e-06	-2.47e-06	0.0
390	120	-3.81e-05	-4.64e-03	-0.27	3.74e-06	-2.47e-06	0.0
390	123	-3.81e-05	-4.64e-03	-0.19	3.74e-06	-2.47e-06	0.0
390	124	-3.81e-05	-4.64e-03	-0.27	3.74e-06	-2.47e-06	0.0
391	4	-6.67e-05	-6.95e-03	-0.37	5.53e-06	-3.57e-06	0.0
391	7	-6.67e-05	-6.95e-03	-0.20	5.53e-06	-3.57e-06	0.0
391	12	-5.78e-05	-6.03e-03	-0.30	4.79e-06	-3.09e-06	0.0
391	19	-0.20	0.11	-0.27	0.0	0.0	0.0
391	24	-0.14	-0.10	-0.28	9.20e-06	-7.51e-06	0.0
391	38	0.14	-0.18	-0.27	1.96e-06	0.0	0.0
391	51	-0.10	0.05	-0.27	2.31e-06	-1.40e-06	0.0
391	56	-0.06	-0.05	-0.27	6.32e-06	-4.83e-06	0.0
391	70	0.07	-0.09	-0.27	2.86e-06	-1.21e-06	0.0
391	83	-0.20	0.11	-0.27	0.0	0.0	0.0
391	102	0.14	-0.18	-0.27	1.96e-06	0.0	0.0
391	111	-4.45e-05	-4.63e-03	-0.19	3.69e-06	-2.38e-06	0.0
391	112	-4.45e-05	-4.63e-03	-0.27	3.69e-06	-2.38e-06	0.0
391	115	-4.45e-05	-4.63e-03	-0.19	3.69e-06	-2.38e-06	0.0
391	116	-4.45e-05	-4.63e-03	-0.27	3.69e-06	-2.38e-06	0.0
391	119	-4.45e-05	-4.63e-03	-0.19	3.69e-06	-2.38e-06	0.0
391	120	-4.45e-05	-4.63e-03	-0.27	3.69e-06	-2.38e-06	0.0
391	123	-4.45e-05	-4.63e-03	-0.19	3.69e-06	-2.38e-06	0.0
391	124	-4.45e-05	-4.63e-03	-0.27	3.69e-06	-2.38e-06	0.0
392	4	-1.15e-03	-9.24e-03	-0.39	-1.08e-04	6.16e-05	0.0
392	12	-9.97e-04	-8.01e-03	-0.32	-9.38e-05	5.34e-05	0.0

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392	19	-0.14	0.05	-0.28	-7.07e-05	4.21e-05	0.0
392	33	0.07	0.11	-0.28	-7.46e-05	4.25e-05	0.0
392	38	0.07	-0.14	-0.28	-7.08e-05	3.88e-05	0.0
392	51	-0.07	0.02	-0.28	-7.15e-05	4.16e-05	0.0
392	65	0.03	0.05	-0.28	-7.33e-05	4.18e-05	0.0
392	70	0.04	-0.07	-0.28	-7.15e-05	4.00e-05	0.0
392	83	-0.14	0.05	-0.28	-7.07e-05	4.21e-05	0.0
392	102	0.07	-0.14	-0.28	-7.08e-05	3.88e-05	0.0
392	112	-7.67e-04	-6.16e-03	-0.28	-7.22e-05	4.11e-05	0.0
392	116	-7.67e-04	-6.16e-03	-0.28	-7.22e-05	4.11e-05	0.0
392	120	-7.67e-04	-6.16e-03	-0.28	-7.22e-05	4.11e-05	0.0
392	124	-7.67e-04	-6.16e-03	-0.28	-7.22e-05	4.11e-05	0.0
393	4	-6.25e-04	-8.28e-03	-0.38	-5.68e-05	3.15e-05	0.0
393	12	-5.42e-04	-7.18e-03	-0.31	-4.92e-05	2.73e-05	0.0
393	19	-0.15	0.06	-0.28	-3.69e-05	2.13e-05	0.0
393	33	0.07	0.11	-0.28	-4.00e-05	2.21e-05	0.0
393	38	0.08	-0.14	-0.28	-3.66e-05	1.94e-05	0.0
393	51	-0.07	0.02	-0.28	-3.74e-05	2.11e-05	0.0
393	65	0.03	0.05	-0.28	-3.89e-05	2.15e-05	0.0
393	70	0.04	-0.07	-0.28	-3.73e-05	2.02e-05	0.0
393	83	-0.15	0.06	-0.28	-3.69e-05	2.13e-05	0.0
393	102	0.08	-0.14	-0.28	-3.66e-05	1.94e-05	0.0
393	112	-4.17e-04	-5.52e-03	-0.28	-3.79e-05	2.10e-05	0.0
393	116	-4.17e-04	-5.52e-03	-0.28	-3.79e-05	2.10e-05	0.0
393	120	-4.17e-04	-5.52e-03	-0.28	-3.79e-05	2.10e-05	0.0
393	124	-4.17e-04	-5.52e-03	-0.28	-3.79e-05	2.10e-05	0.0
394	2	0.0	0.0	-0.37	0.0	0.0	0.0
394	4	-3.08e-04	-7.66e-03	-0.37	-2.42e-05	1.32e-05	0.0
394	10	0.0	0.0	-0.30	0.0	0.0	0.0
394	19	-0.16	0.06	-0.27	-1.56e-05	8.87e-06	0.0
394	33	0.08	0.11	-0.27	-1.80e-05	9.67e-06	0.0
394	38	0.09	-0.14	-0.27	-1.52e-05	7.74e-06	0.0
394	51	-0.08	0.03	-0.27	-1.58e-05	8.82e-06	0.0
394	65	0.04	0.05	-0.27	-1.70e-05	9.20e-06	0.0
394	70	0.04	-0.07	-0.27	-1.57e-05	8.28e-06	0.0
394	83	-0.16	0.06	-0.27	-1.56e-05	8.87e-06	0.0
394	102	0.09	-0.14	-0.27	-1.52e-05	7.74e-06	0.0
394	110	0.0	0.0	-0.27	0.0	0.0	0.0
394	112	-2.05e-04	-5.11e-03	-0.27	-1.61e-05	8.78e-06	0.0
394	114	0.0	0.0	-0.27	0.0	0.0	0.0
394	116	-2.05e-04	-5.11e-03	-0.27	-1.61e-05	8.78e-06	0.0
394	118	0.0	0.0	-0.27	0.0	0.0	0.0
394	120	-2.05e-04	-5.11e-03	-0.27	-1.61e-05	8.78e-06	0.0
394	122	0.0	0.0	-0.27	0.0	0.0	0.0
394	124	-2.05e-04	-5.11e-03	-0.27	-1.61e-05	8.78e-06	0.0
395	2	0.0	0.0	-0.37	0.0	0.0	0.0
395	4	-1.37e-04	-7.31e-03	-0.37	-5.87e-06	3.22e-06	0.0
395	10	0.0	0.0	-0.30	0.0	0.0	0.0
395	19	-0.17	0.06	-0.27	-3.70e-06	2.11e-06	0.0
395	33	0.09	0.11	-0.27	-5.74e-06	3.09e-06	0.0
395	38	0.10	-0.14	-0.27	-3.43e-06	1.60e-06	0.0
395	51	-0.08	0.03	-0.27	-3.81e-06	2.13e-06	0.0
395	65	0.04	0.05	-0.27	-4.79e-06	2.59e-06	0.0
395	70	0.05	-0.07	-0.27	-3.68e-06	1.89e-06	0.0
395	83	-0.17	0.06	-0.27	-3.70e-06	2.11e-06	0.0
395	102	0.10	-0.14	-0.27	-3.43e-06	1.60e-06	0.0
395	110	0.0	0.0	-0.27	0.0	0.0	0.0
395	112	-9.14e-05	-4.87e-03	-0.27	-3.91e-06	2.14e-06	0.0
395	114	0.0	0.0	-0.27	0.0	0.0	0.0
395	116	-9.14e-05	-4.87e-03	-0.27	-3.91e-06	2.14e-06	0.0
395	118	0.0	0.0	-0.27	0.0	0.0	0.0
395	120	-9.14e-05	-4.87e-03	-0.27	-3.91e-06	2.14e-06	0.0
395	122	0.0	0.0	-0.27	0.0	0.0	0.0
395	124	-9.14e-05	-4.87e-03	-0.27	-3.91e-06	2.14e-06	0.0
396	2	0.0	0.0	-0.37	0.0	0.0	0.0

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396	4	-5.97e-05	-7.12e-03	-0.37	2.89e-06	-1.42e-06	0.0
396	10	0.0	0.0	-0.30	0.0	0.0	0.0
396	19	-0.17	0.07	-0.27	1.52e-06	0.0	0.0
396	38	0.11	-0.15	-0.27	1.95e-06	-1.20e-06	0.0
396	40	0.02	-0.13	-0.27	1.68e-06	0.0	0.0
396	51	-0.08	0.03	-0.27	1.73e-06	0.0	0.0
396	70	0.05	-0.07	-0.27	1.94e-06	-1.07e-06	0.0
396	72	8.51e-03	-0.06	-0.27	1.81e-06	0.0	0.0
396	83	-0.17	0.07	-0.27	1.52e-06	0.0	0.0
396	102	0.11	-0.15	-0.27	1.95e-06	-1.20e-06	0.0
396	110	0.0	0.0	-0.27	0.0	0.0	0.0
396	112	-3.98e-05	-4.75e-03	-0.27	1.93e-06	0.0	0.0
396	114	0.0	0.0	-0.27	0.0	0.0	0.0
396	116	-3.98e-05	-4.75e-03	-0.27	1.93e-06	0.0	0.0
396	118	0.0	0.0	-0.27	0.0	0.0	0.0
396	120	-3.98e-05	-4.75e-03	-0.27	1.93e-06	0.0	0.0
396	122	0.0	0.0	-0.27	0.0	0.0	0.0
396	124	-3.98e-05	-4.75e-03	-0.27	1.93e-06	0.0	0.0
397	2	0.0	0.0	-0.37	0.0	0.0	0.0
397	4	-3.51e-05	-7.04e-03	-0.37	6.13e-06	-3.07e-06	0.0
397	7	-3.51e-05	-7.04e-03	-0.20	6.13e-06	-3.07e-06	0.0
397	10	0.0	0.0	-0.30	0.0	0.0	0.0
397	19	-0.18	0.07	-0.27	3.26e-06	-1.46e-06	0.0
397	24	-0.12	-0.07	-0.27	6.50e-06	-3.61e-06	0.0
397	38	0.12	-0.15	-0.27	3.66e-06	-1.76e-06	0.0
397	51	-0.09	0.03	-0.27	3.69e-06	-1.77e-06	0.0
397	56	-0.06	-0.04	-0.27	5.24e-06	-2.79e-06	0.0
397	70	0.06	-0.07	-0.27	3.88e-06	-1.91e-06	0.0
397	83	-0.18	0.07	-0.27	3.26e-06	-1.46e-06	0.0
397	102	0.12	-0.15	-0.27	3.66e-06	-1.76e-06	0.0
397	110	0.0	0.0	-0.27	0.0	0.0	0.0
397	111	-2.34e-05	-4.69e-03	-0.19	4.09e-06	-2.04e-06	0.0
397	112	-2.34e-05	-4.69e-03	-0.27	4.09e-06	-2.04e-06	0.0
397	114	0.0	0.0	-0.27	0.0	0.0	0.0
397	115	-2.34e-05	-4.69e-03	-0.19	4.09e-06	-2.04e-06	0.0
397	116	-2.34e-05	-4.69e-03	-0.27	4.09e-06	-2.04e-06	0.0
397	118	0.0	0.0	-0.27	0.0	0.0	0.0
397	119	-2.34e-05	-4.69e-03	-0.19	4.09e-06	-2.04e-06	0.0
397	120	-2.34e-05	-4.69e-03	-0.27	4.09e-06	-2.04e-06	0.0
397	122	0.0	0.0	-0.27	0.0	0.0	0.0
397	123	-2.34e-05	-4.69e-03	-0.19	4.09e-06	-2.04e-06	0.0
397	124	-2.34e-05	-4.69e-03	-0.27	4.09e-06	-2.04e-06	0.0
398	2	0.0	0.0	-0.37	0.0	0.0	0.0
398	4	-3.53e-05	-7.01e-03	-0.37	6.72e-06	-3.31e-06	0.0
398	7	-3.53e-05	-7.01e-03	-0.20	6.72e-06	-3.31e-06	0.0
398	10	0.0	0.0	-0.30	0.0	0.0	0.0
398	19	-0.19	0.08	-0.27	3.13e-06	-1.27e-06	0.0
398	24	-0.13	-0.08	-0.27	7.63e-06	-4.53e-06	0.0
398	38	0.13	-0.15	-0.27	3.62e-06	-1.49e-06	0.0
398	51	-0.09	0.03	-0.27	3.83e-06	-1.76e-06	0.0
398	56	-0.06	-0.04	-0.27	5.98e-06	-3.31e-06	0.0
398	70	0.06	-0.08	-0.27	4.07e-06	-1.86e-06	0.0
398	83	-0.19	0.08	-0.27	3.13e-06	-1.27e-06	0.0
398	102	0.13	-0.15	-0.27	3.62e-06	-1.49e-06	0.0
398	110	0.0	0.0	-0.27	0.0	0.0	0.0
398	111	-2.36e-05	-4.67e-03	-0.19	4.48e-06	-2.21e-06	0.0
398	112	-2.36e-05	-4.67e-03	-0.27	4.48e-06	-2.21e-06	0.0
398	114	0.0	0.0	-0.27	0.0	0.0	0.0
398	115	-2.36e-05	-4.67e-03	-0.19	4.48e-06	-2.21e-06	0.0
398	116	-2.36e-05	-4.67e-03	-0.27	4.48e-06	-2.21e-06	0.0
398	118	0.0	0.0	-0.27	0.0	0.0	0.0
398	119	-2.36e-05	-4.67e-03	-0.19	4.48e-06	-2.21e-06	0.0
398	120	-2.36e-05	-4.67e-03	-0.27	4.48e-06	-2.21e-06	0.0
398	122	0.0	0.0	-0.27	0.0	0.0	0.0
398	123	-2.36e-05	-4.67e-03	-0.19	4.48e-06	-2.21e-06	0.0

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398	124	-2.36e-05	-4.67e-03	-0.27	4.48e-06	-2.21e-06	0.0
399	2	0.0	0.0	-0.37	0.0	0.0	0.0
399	4	-4.40e-05	-6.99e-03	-0.37	6.45e-06	-3.11e-06	0.0
399	7	-4.39e-05	-6.99e-03	-0.20	6.45e-06	-3.11e-06	0.0
399	10	0.0	0.0	-0.30	0.0	0.0	0.0
399	19	-0.20	0.08	-0.27	2.38e-06	0.0	0.0
399	24	-0.13	-0.08	-0.27	8.30e-06	-5.26e-06	0.0
399	38	0.14	-0.16	-0.27	3.08e-06	0.0	0.0
399	51	-0.09	0.04	-0.27	3.38e-06	-1.42e-06	0.0
399	56	-0.06	-0.04	-0.27	6.21e-06	-3.60e-06	0.0
399	70	0.07	-0.08	-0.27	3.72e-06	-1.51e-06	0.0
399	83	-0.20	0.08	-0.27	2.38e-06	0.0	0.0
399	102	0.14	-0.16	-0.27	3.08e-06	0.0	0.0
399	110	0.0	0.0	-0.27	0.0	0.0	0.0
399	111	-2.93e-05	-4.66e-03	-0.19	4.30e-06	-2.07e-06	0.0
399	112	-2.93e-05	-4.66e-03	-0.27	4.30e-06	-2.07e-06	0.0
399	114	0.0	0.0	-0.27	0.0	0.0	0.0
399	115	-2.93e-05	-4.66e-03	-0.19	4.30e-06	-2.07e-06	0.0
399	116	-2.93e-05	-4.66e-03	-0.27	4.30e-06	-2.07e-06	0.0
399	118	0.0	0.0	-0.27	0.0	0.0	0.0
399	119	-2.93e-05	-4.66e-03	-0.19	4.30e-06	-2.07e-06	0.0
399	120	-2.93e-05	-4.66e-03	-0.27	4.30e-06	-2.07e-06	0.0
399	122	0.0	0.0	-0.27	0.0	0.0	0.0
399	123	-2.93e-05	-4.66e-03	-0.19	4.30e-06	-2.07e-06	0.0
399	124	-2.93e-05	-4.66e-03	-0.27	4.30e-06	-2.07e-06	0.0
400	4	-5.30e-05	-6.99e-03	-0.37	6.18e-06	-2.90e-06	0.0
400	7	-5.30e-05	-6.99e-03	-0.20	6.18e-06	-2.90e-06	0.0
400	12	-4.59e-05	-6.06e-03	-0.30	5.36e-06	-2.51e-06	0.0
400	19	-0.20	0.09	-0.27	1.71e-06	0.0	0.0
400	24	-0.14	-0.08	-0.27	8.85e-06	-6.00e-06	0.0
400	38	0.15	-0.16	-0.27	2.67e-06	0.0	0.0
400	51	-0.10	0.04	-0.27	2.96e-06	-1.08e-06	0.0
400	56	-0.07	-0.04	-0.27	6.38e-06	-3.88e-06	0.0
400	70	0.07	-0.08	-0.27	3.43e-06	-1.15e-06	0.0
400	83	-0.20	0.09	-0.27	1.71e-06	0.0	0.0
400	102	0.15	-0.16	-0.27	2.67e-06	0.0	0.0
400	111	-3.53e-05	-4.66e-03	-0.19	4.12e-06	-1.93e-06	0.0
400	112	-3.53e-05	-4.66e-03	-0.27	4.12e-06	-1.93e-06	0.0
400	115	-3.53e-05	-4.66e-03	-0.19	4.12e-06	-1.93e-06	0.0
400	116	-3.53e-05	-4.66e-03	-0.27	4.12e-06	-1.93e-06	0.0
400	119	-3.53e-05	-4.66e-03	-0.19	4.12e-06	-1.93e-06	0.0
400	120	-3.53e-05	-4.66e-03	-0.27	4.12e-06	-1.93e-06	0.0
400	123	-3.53e-05	-4.66e-03	-0.19	4.12e-06	-1.93e-06	0.0
400	124	-3.53e-05	-4.66e-03	-0.27	4.12e-06	-1.93e-06	0.0
401	4	-6.11e-05	-6.98e-03	-0.37	6.07e-06	-2.78e-06	0.0
401	7	-6.11e-05	-6.98e-03	-0.20	6.07e-06	-2.78e-06	0.0
401	12	-5.29e-05	-6.05e-03	-0.30	5.26e-06	-2.41e-06	0.0
401	19	-0.21	0.09	-0.27	1.46e-06	0.0	0.0
401	24	-0.14	-0.09	-0.28	9.00e-06	-6.53e-06	0.0
401	38	0.15	-0.16	-0.27	2.53e-06	0.0	0.0
401	51	-0.10	0.04	-0.27	2.80e-06	0.0	0.0
401	56	-0.07	-0.04	-0.27	6.41e-06	-4.09e-06	0.0
401	70	0.07	-0.08	-0.27	3.32e-06	0.0	0.0
401	83	-0.21	0.09	-0.27	1.46e-06	0.0	0.0
401	102	0.15	-0.16	-0.27	2.53e-06	0.0	0.0
401	111	-4.07e-05	-4.65e-03	-0.19	4.04e-06	-1.85e-06	0.0
401	112	-4.07e-05	-4.65e-03	-0.27	4.04e-06	-1.85e-06	0.0
401	115	-4.07e-05	-4.65e-03	-0.19	4.04e-06	-1.85e-06	0.0
401	116	-4.07e-05	-4.65e-03	-0.27	4.04e-06	-1.85e-06	0.0
401	119	-4.07e-05	-4.65e-03	-0.19	4.04e-06	-1.85e-06	0.0
401	120	-4.07e-05	-4.65e-03	-0.27	4.04e-06	-1.85e-06	0.0
401	123	-4.07e-05	-4.65e-03	-0.19	4.04e-06	-1.85e-06	0.0
401	124	-4.07e-05	-4.65e-03	-0.27	4.04e-06	-1.85e-06	0.0
402	4	-9.49e-04	-9.78e-03	-0.40	-1.37e-04	5.12e-05	0.0
402	12	-8.23e-04	-8.47e-03	-0.32	-1.18e-04	4.43e-05	0.0

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402	19	-0.15	0.04	-0.29	-9.01e-05	3.57e-05	0.0
402	33	0.07	0.11	-0.29	-9.40e-05	3.50e-05	0.0
402	38	0.08	-0.13	-0.29	-8.89e-05	3.20e-05	0.0
402	51	-0.07	0.02	-0.29	-9.06e-05	3.49e-05	0.0
402	65	0.03	0.05	-0.29	-9.25e-05	3.45e-05	0.0
402	70	0.04	-0.07	-0.29	-9.00e-05	3.31e-05	0.0
402	83	-0.15	0.04	-0.29	-9.01e-05	3.57e-05	0.0
402	102	0.08	-0.13	-0.29	-8.89e-05	3.20e-05	0.0
402	112	-6.33e-04	-6.52e-03	-0.29	-9.10e-05	3.41e-05	0.0
402	116	-6.33e-04	-6.52e-03	-0.29	-9.10e-05	3.41e-05	0.0
402	120	-6.33e-04	-6.52e-03	-0.29	-9.10e-05	3.41e-05	0.0
402	124	-6.33e-04	-6.52e-03	-0.29	-9.10e-05	3.41e-05	0.0
403	4	-5.16e-04	-8.60e-03	-0.38	-7.29e-05	2.64e-05	0.0
403	12	-4.48e-04	-7.45e-03	-0.31	-6.32e-05	2.28e-05	0.0
403	19	-0.15	0.05	-0.28	-4.81e-05	1.84e-05	0.0
403	33	0.07	0.11	-0.28	-5.11e-05	1.81e-05	0.0
403	38	0.09	-0.13	-0.28	-4.68e-05	1.60e-05	0.0
403	51	-0.07	0.02	-0.28	-4.83e-05	1.80e-05	0.0
403	65	0.04	0.05	-0.28	-4.98e-05	1.78e-05	0.0
403	70	0.04	-0.07	-0.28	-4.77e-05	1.68e-05	0.0
403	83	-0.15	0.05	-0.28	-4.81e-05	1.84e-05	0.0
403	102	0.09	-0.13	-0.28	-4.68e-05	1.60e-05	0.0
403	112	-3.44e-04	-5.73e-03	-0.28	-4.86e-05	1.76e-05	0.0
403	116	-3.44e-04	-5.73e-03	-0.28	-4.86e-05	1.76e-05	0.0
403	120	-3.44e-04	-5.73e-03	-0.28	-4.86e-05	1.76e-05	0.0
403	124	-3.44e-04	-5.73e-03	-0.28	-4.86e-05	1.76e-05	0.0
404	2	0.0	0.0	-0.37	0.0	0.0	0.0
404	4	-2.55e-04	-7.83e-03	-0.37	-3.21e-05	1.13e-05	0.0
404	10	0.0	0.0	-0.30	0.0	0.0	0.0
404	19	-0.16	0.05	-0.27	-2.11e-05	7.69e-06	0.0
404	33	0.08	0.11	-0.27	-2.34e-05	7.98e-06	0.0
404	38	0.09	-0.13	-0.27	-2.00e-05	6.58e-06	0.0
404	51	-0.08	0.02	-0.27	-2.13e-05	7.62e-06	0.0
404	65	0.04	0.05	-0.27	-2.24e-05	7.75e-06	0.0
404	70	0.05	-0.07	-0.27	-2.07e-05	7.09e-06	0.0
404	83	-0.16	0.05	-0.27	-2.11e-05	7.69e-06	0.0
404	102	0.09	-0.13	-0.27	-2.00e-05	6.58e-06	0.0
404	110	0.0	0.0	-0.27	0.0	0.0	0.0
404	112	-1.70e-04	-5.22e-03	-0.27	-2.14e-05	7.55e-06	0.0
404	114	0.0	0.0	-0.27	0.0	0.0	0.0
404	116	-1.70e-04	-5.22e-03	-0.27	-2.14e-05	7.55e-06	0.0
404	118	0.0	0.0	-0.27	0.0	0.0	0.0
404	120	-1.70e-04	-5.22e-03	-0.27	-2.14e-05	7.55e-06	0.0
404	122	0.0	0.0	-0.27	0.0	0.0	0.0
404	124	-1.70e-04	-5.22e-03	-0.27	-2.14e-05	7.55e-06	0.0
405	2	0.0	0.0	-0.37	0.0	0.0	0.0
405	4	-1.15e-04	-7.39e-03	-0.37	-9.01e-06	3.16e-06	0.0
405	10	0.0	0.0	-0.30	0.0	0.0	0.0
405	19	-0.17	0.05	-0.27	-5.96e-06	2.11e-06	0.0
405	33	0.09	0.11	-0.27	-7.85e-06	2.58e-06	0.0
405	38	0.10	-0.14	-0.27	-5.16e-06	1.54e-06	0.0
405	51	-0.08	0.02	-0.27	-5.99e-06	2.11e-06	0.0
405	65	0.04	0.05	-0.27	-6.88e-06	2.33e-06	0.0
405	70	0.05	-0.07	-0.27	-5.60e-06	1.84e-06	0.0
405	83	-0.17	0.05	-0.27	-5.96e-06	2.11e-06	0.0
405	102	0.10	-0.14	-0.27	-5.16e-06	1.54e-06	0.0
405	110	0.0	0.0	-0.27	0.0	0.0	0.0
405	112	-7.64e-05	-4.93e-03	-0.27	-6.01e-06	2.11e-06	0.0
405	114	0.0	0.0	-0.27	0.0	0.0	0.0
405	116	-7.64e-05	-4.93e-03	-0.27	-6.01e-06	2.11e-06	0.0
405	118	0.0	0.0	-0.27	0.0	0.0	0.0
405	120	-7.64e-05	-4.93e-03	-0.27	-6.01e-06	2.11e-06	0.0
405	122	0.0	0.0	-0.27	0.0	0.0	0.0
405	124	-7.64e-05	-4.93e-03	-0.27	-6.01e-06	2.11e-06	0.0
406	2	0.0	0.0	-0.37	0.0	0.0	0.0

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406	4	-5.04e-05	-7.16e-03	-0.37	2.13e-06	0.0	0.0
406	7	-5.04e-05	-7.16e-03	-0.20	2.13e-06	0.0	0.0
406	10	0.0	0.0	-0.30	0.0	0.0	0.0
406	19	-0.18	0.06	-0.27	0.0	0.0	0.0
406	38	0.11	-0.14	-0.27	1.90e-06	0.0	0.0
406	40	0.02	-0.12	-0.27	1.71e-06	0.0	0.0
406	51	-0.08	0.02	-0.27	1.21e-06	0.0	0.0
406	70	0.05	-0.07	-0.27	1.65e-06	0.0	0.0
406	72	9.76e-03	-0.06	-0.27	1.56e-06	0.0	0.0
406	83	-0.18	0.06	-0.27	0.0	0.0	0.0
406	102	0.11	-0.14	-0.27	1.90e-06	0.0	0.0
406	110	0.0	0.0	-0.27	0.0	0.0	0.0
406	111	-3.36e-05	-4.77e-03	-0.19	1.42e-06	0.0	0.0
406	112	-3.36e-05	-4.77e-03	-0.27	1.42e-06	0.0	0.0
406	114	0.0	0.0	-0.27	0.0	0.0	0.0
406	115	-3.36e-05	-4.77e-03	-0.19	1.42e-06	0.0	0.0
406	116	-3.36e-05	-4.77e-03	-0.27	1.42e-06	0.0	0.0
406	118	0.0	0.0	-0.27	0.0	0.0	0.0
406	119	-3.36e-05	-4.77e-03	-0.19	1.42e-06	0.0	0.0
406	120	-3.36e-05	-4.77e-03	-0.27	1.42e-06	0.0	0.0
406	122	0.0	0.0	-0.27	0.0	0.0	0.0
406	123	-3.36e-05	-4.77e-03	-0.19	1.42e-06	0.0	0.0
406	124	-3.36e-05	-4.77e-03	-0.27	1.42e-06	0.0	0.0
407	2	0.0	0.0	-0.37	0.0	0.0	0.0
407	4	-2.91e-05	-7.06e-03	-0.37	6.34e-06	-2.04e-06	0.0
407	7	-2.91e-05	-7.06e-03	-0.20	6.34e-06	-2.04e-06	0.0
407	10	0.0	0.0	-0.30	0.0	0.0	0.0
407	19	-0.19	0.06	-0.27	3.61e-06	0.0	0.0
407	28	-0.08	-0.07	-0.27	5.42e-06	-2.05e-06	0.0
407	38	0.12	-0.14	-0.27	3.88e-06	-1.26e-06	0.0
407	51	-0.09	0.03	-0.27	3.93e-06	-1.14e-06	0.0
407	60	-0.04	-0.04	-0.27	4.80e-06	-1.69e-06	0.0
407	70	0.06	-0.07	-0.27	4.06e-06	-1.31e-06	0.0
407	83	-0.19	0.06	-0.27	3.61e-06	0.0	0.0
407	102	0.12	-0.14	-0.27	3.88e-06	-1.26e-06	0.0
407	110	0.0	0.0	-0.27	0.0	0.0	0.0
407	111	-1.94e-05	-4.71e-03	-0.19	4.23e-06	-1.36e-06	0.0
407	112	-1.94e-05	-4.71e-03	-0.27	4.23e-06	-1.36e-06	0.0
407	114	0.0	0.0	-0.27	0.0	0.0	0.0
407	115	-1.94e-05	-4.71e-03	-0.19	4.23e-06	-1.36e-06	0.0
407	116	-1.94e-05	-4.71e-03	-0.27	4.23e-06	-1.36e-06	0.0
407	118	0.0	0.0	-0.27	0.0	0.0	0.0
407	119	-1.94e-05	-4.71e-03	-0.19	4.23e-06	-1.36e-06	0.0
407	120	-1.94e-05	-4.71e-03	-0.27	4.23e-06	-1.36e-06	0.0
407	122	0.0	0.0	-0.27	0.0	0.0	0.0
407	123	-1.94e-05	-4.71e-03	-0.19	4.23e-06	-1.36e-06	0.0
407	124	-1.94e-05	-4.71e-03	-0.27	4.23e-06	-1.36e-06	0.0
408	2	0.0	0.0	-0.37	0.0	0.0	0.0
408	4	-2.81e-05	-7.03e-03	-0.37	7.19e-06	-2.28e-06	0.0
408	7	-2.81e-05	-7.03e-03	-0.20	7.19e-06	-2.28e-06	0.0
408	10	0.0	0.0	-0.30	0.0	0.0	0.0
408	19	-0.19	0.06	-0.27	3.80e-06	0.0	0.0
408	24	-0.13	-0.06	-0.27	7.24e-06	-3.24e-06	0.0
408	38	0.13	-0.14	-0.27	4.05e-06	-1.05e-06	0.0
408	51	-0.09	0.03	-0.27	4.32e-06	-1.16e-06	0.0
408	56	-0.06	-0.03	-0.27	5.97e-06	-2.34e-06	0.0
408	70	0.06	-0.07	-0.27	4.44e-06	-1.29e-06	0.0
408	83	-0.19	0.06	-0.27	3.80e-06	0.0	0.0
408	102	0.13	-0.14	-0.27	4.05e-06	-1.05e-06	0.0
408	110	0.0	0.0	-0.27	0.0	0.0	0.0
408	111	-1.87e-05	-4.68e-03	-0.19	4.80e-06	-1.52e-06	0.0
408	112	-1.87e-05	-4.68e-03	-0.27	4.80e-06	-1.52e-06	0.0
408	114	0.0	0.0	-0.27	0.0	0.0	0.0
408	115	-1.87e-05	-4.68e-03	-0.19	4.80e-06	-1.52e-06	0.0
408	116	-1.87e-05	-4.68e-03	-0.27	4.80e-06	-1.52e-06	0.0

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408	118	0.0	0.0	-0.27	0.0	0.0	0.0
408	119	-1.87e-05	-4.68e-03	-0.19	4.80e-06	-1.52e-06	0.0
408	120	-1.87e-05	-4.68e-03	-0.27	4.80e-06	-1.52e-06	0.0
408	122	0.0	0.0	-0.27	0.0	0.0	0.0
408	123	-1.87e-05	-4.68e-03	-0.19	4.80e-06	-1.52e-06	0.0
408	124	-1.87e-05	-4.68e-03	-0.27	4.80e-06	-1.52e-06	0.0
409	2	0.0	0.0	-0.37	0.0	0.0	0.0
409	4	-3.40e-05	-7.01e-03	-0.37	6.92e-06	-2.14e-06	0.0
409	7	-3.40e-05	-7.01e-03	-0.20	6.92e-06	-2.14e-06	0.0
409	10	0.0	0.0	-0.30	0.0	0.0	0.0
409	19	-0.20	0.06	-0.27	3.20e-06	0.0	0.0
409	36	-0.12	-0.12	-0.27	8.06e-06	-3.86e-06	0.0
409	38	0.14	-0.14	-0.27	3.51e-06	0.0	0.0
409	51	-0.10	0.03	-0.27	3.93e-06	0.0	0.0
409	68	-0.06	-0.06	-0.27	6.26e-06	-2.59e-06	0.0
409	70	0.07	-0.07	-0.27	4.09e-06	-1.02e-06	0.0
409	83	-0.20	0.06	-0.27	3.20e-06	0.0	0.0
409	102	0.14	-0.14	-0.27	3.51e-06	0.0	0.0
409	110	0.0	0.0	-0.27	0.0	0.0	0.0
409	111	-2.27e-05	-4.68e-03	-0.19	4.61e-06	-1.43e-06	0.0
409	112	-2.27e-05	-4.68e-03	-0.27	4.61e-06	-1.43e-06	0.0
409	114	0.0	0.0	-0.27	0.0	0.0	0.0
409	115	-2.27e-05	-4.68e-03	-0.19	4.61e-06	-1.43e-06	0.0
409	116	-2.27e-05	-4.68e-03	-0.27	4.61e-06	-1.43e-06	0.0
409	118	0.0	0.0	-0.27	0.0	0.0	0.0
409	119	-2.27e-05	-4.68e-03	-0.19	4.61e-06	-1.43e-06	0.0
409	120	-2.27e-05	-4.68e-03	-0.27	4.61e-06	-1.43e-06	0.0
409	122	0.0	0.0	-0.27	0.0	0.0	0.0
409	123	-2.27e-05	-4.68e-03	-0.19	4.61e-06	-1.43e-06	0.0
409	124	-2.27e-05	-4.68e-03	-0.27	4.61e-06	-1.43e-06	0.0
410	4	-4.05e-05	-7.01e-03	-0.37	6.61e-06	-1.99e-06	0.0
410	7	-4.05e-05	-7.01e-03	-0.20	6.61e-06	-1.99e-06	0.0
410	12	-3.51e-05	-6.07e-03	-0.30	5.73e-06	-1.73e-06	0.0
410	19	-0.21	0.07	-0.27	2.63e-06	0.0	0.0
410	36	-0.13	-0.12	-0.27	8.57e-06	-4.61e-06	0.0
410	38	0.15	-0.15	-0.27	3.04e-06	0.0	0.0
410	51	-0.10	0.03	-0.27	3.55e-06	0.0	0.0
410	68	-0.06	-0.06	-0.27	6.40e-06	-2.90e-06	0.0
410	70	0.07	-0.07	-0.27	3.76e-06	0.0	0.0
410	83	-0.21	0.07	-0.27	2.63e-06	0.0	0.0
410	102	0.15	-0.15	-0.27	3.04e-06	0.0	0.0
410	111	-2.70e-05	-4.67e-03	-0.19	4.40e-06	-1.33e-06	0.0
410	112	-2.70e-05	-4.67e-03	-0.27	4.40e-06	-1.33e-06	0.0
410	115	-2.70e-05	-4.67e-03	-0.19	4.40e-06	-1.33e-06	0.0
410	116	-2.70e-05	-4.67e-03	-0.27	4.40e-06	-1.33e-06	0.0
410	119	-2.70e-05	-4.67e-03	-0.19	4.40e-06	-1.33e-06	0.0
410	120	-2.70e-05	-4.67e-03	-0.27	4.40e-06	-1.33e-06	0.0
410	123	-2.70e-05	-4.67e-03	-0.19	4.40e-06	-1.33e-06	0.0
410	124	-2.70e-05	-4.67e-03	-0.27	4.40e-06	-1.33e-06	0.0
411	4	-4.64e-05	-7.00e-03	-0.38	6.46e-06	-1.90e-06	0.0
411	7	-4.64e-05	-7.00e-03	-0.20	6.46e-06	-1.90e-06	0.0
411	12	-4.02e-05	-6.07e-03	-0.30	5.60e-06	-1.65e-06	0.0
411	19	-0.22	0.07	-0.27	2.45e-06	0.0	0.0
411	36	-0.14	-0.12	-0.28	8.73e-06	-5.25e-06	0.0
411	38	0.16	-0.15	-0.27	2.83e-06	0.0	0.0
411	51	-0.11	0.03	-0.27	3.41e-06	0.0	0.0
411	68	-0.07	-0.06	-0.27	6.43e-06	-3.17e-06	0.0
411	70	0.08	-0.07	-0.27	3.61e-06	0.0	0.0
411	83	-0.22	0.07	-0.27	2.45e-06	0.0	0.0
411	102	0.16	-0.15	-0.27	2.83e-06	0.0	0.0
411	111	-3.09e-05	-4.67e-03	-0.19	4.31e-06	-1.27e-06	0.0
411	112	-3.09e-05	-4.67e-03	-0.27	4.31e-06	-1.27e-06	0.0
411	115	-3.09e-05	-4.67e-03	-0.19	4.31e-06	-1.27e-06	0.0
411	116	-3.09e-05	-4.67e-03	-0.27	4.31e-06	-1.27e-06	0.0
411	119	-3.09e-05	-4.67e-03	-0.19	4.31e-06	-1.27e-06	0.0

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411	120	-3.09e-05	-4.67e-03	-0.27	4.31e-06	-1.27e-06	0.0
411	123	-3.09e-05	-4.67e-03	-0.19	4.31e-06	-1.27e-06	0.0
411	124	-3.09e-05	-4.67e-03	-0.27	4.31e-06	-1.27e-06	0.0
412	4	-5.42e-04	-0.01	-0.40	-1.58e-04	2.93e-05	0.0
412	12	-4.70e-04	-8.82e-03	-0.32	-1.37e-04	2.54e-05	0.0
412	19	-0.15	0.04	-0.29	-1.05e-04	2.15e-05	0.0
412	33	0.07	0.11	-0.29	-1.08e-04	1.95e-05	0.0
412	38	0.08	-0.13	-0.29	-1.02e-04	1.79e-05	0.0
412	51	-0.07	0.01	-0.29	-1.05e-04	2.05e-05	0.0
412	65	0.03	0.05	-0.29	-1.07e-04	1.95e-05	0.0
412	70	0.04	-0.06	-0.29	-1.04e-04	1.88e-05	0.0
412	83	-0.15	0.04	-0.29	-1.05e-04	2.15e-05	0.0
412	102	0.08	-0.13	-0.29	-1.02e-04	1.79e-05	0.0
412	112	-3.61e-04	-6.78e-03	-0.29	-1.05e-04	1.96e-05	0.0
412	116	-3.61e-04	-6.78e-03	-0.29	-1.05e-04	1.96e-05	0.0
412	120	-3.61e-04	-6.78e-03	-0.29	-1.05e-04	1.96e-05	0.0
412	124	-3.61e-04	-6.78e-03	-0.29	-1.05e-04	1.96e-05	0.0
413	4	-2.95e-04	-8.83e-03	-0.38	-8.49e-05	1.52e-05	0.0
413	12	-2.55e-04	-7.65e-03	-0.31	-7.36e-05	1.31e-05	0.0
413	19	-0.15	0.04	-0.28	-5.67e-05	1.11e-05	0.0
413	33	0.07	0.11	-0.28	-5.93e-05	1.00e-05	0.0
413	38	0.09	-0.13	-0.28	-5.42e-05	8.93e-06	0.0
413	51	-0.07	0.01	-0.28	-5.66e-05	1.06e-05	0.0
413	65	0.04	0.05	-0.28	-5.79e-05	1.01e-05	0.0
413	70	0.04	-0.06	-0.28	-5.55e-05	9.54e-06	0.0
413	83	-0.15	0.04	-0.28	-5.67e-05	1.11e-05	0.0
413	102	0.09	-0.13	-0.28	-5.42e-05	8.93e-06	0.0
413	112	-1.97e-04	-5.89e-03	-0.28	-5.66e-05	1.01e-05	0.0
413	116	-1.97e-04	-5.89e-03	-0.28	-5.66e-05	1.01e-05	0.0
413	120	-1.97e-04	-5.89e-03	-0.28	-5.66e-05	1.01e-05	0.0
413	124	-1.97e-04	-5.89e-03	-0.28	-5.66e-05	1.01e-05	0.0
414	4	-1.46e-04	-7.96e-03	-0.37	-3.80e-05	6.60e-06	0.0
414	12	-1.26e-04	-6.90e-03	-0.30	-3.29e-05	5.72e-06	0.0
414	19	-0.16	0.04	-0.27	-2.55e-05	4.88e-06	0.0
414	33	0.08	0.11	-0.27	-2.75e-05	4.32e-06	0.0
414	38	0.10	-0.13	-0.27	-2.35e-05	3.58e-06	0.0
414	51	-0.08	0.02	-0.27	-2.54e-05	4.63e-06	0.0
414	65	0.04	0.05	-0.27	-2.63e-05	4.36e-06	0.0
414	70	0.05	-0.06	-0.27	-2.45e-05	4.01e-06	0.0
414	83	-0.16	0.04	-0.27	-2.55e-05	4.88e-06	0.0
414	102	0.10	-0.13	-0.27	-2.35e-05	3.58e-06	0.0
414	112	-9.72e-05	-5.30e-03	-0.27	-2.53e-05	4.40e-06	0.0
414	116	-9.72e-05	-5.30e-03	-0.27	-2.53e-05	4.40e-06	0.0
414	120	-9.72e-05	-5.30e-03	-0.27	-2.53e-05	4.40e-06	0.0
414	124	-9.72e-05	-5.30e-03	-0.27	-2.53e-05	4.40e-06	0.0
415	2	0.0	0.0	-0.37	0.0	0.0	0.0
415	4	-6.57e-05	-7.45e-03	-0.37	-1.14e-05	1.96e-06	0.0
415	7	-6.57e-05	-7.45e-03	-0.20	-1.14e-05	1.96e-06	0.0
415	10	0.0	0.0	-0.30	0.0	0.0	0.0
415	19	-0.17	0.04	-0.27	-7.78e-06	1.29e-06	0.0
415	33	0.09	0.11	-0.27	-9.32e-06	1.01e-06	0.0
415	38	0.11	-0.13	-0.27	-6.39e-06	0.0	0.0
415	51	-0.08	0.02	-0.27	-7.69e-06	1.30e-06	0.0
415	65	0.04	0.05	-0.27	-8.42e-06	1.17e-06	0.0
415	70	0.05	-0.06	-0.27	-7.02e-06	1.09e-06	0.0
415	83	-0.17	0.04	-0.27	-7.78e-06	1.29e-06	0.0
415	102	0.11	-0.13	-0.27	-6.39e-06	0.0	0.0
415	110	0.0	0.0	-0.27	0.0	0.0	0.0
415	111	-4.38e-05	-4.97e-03	-0.19	-7.60e-06	1.31e-06	0.0
415	112	-4.38e-05	-4.97e-03	-0.27	-7.60e-06	1.31e-06	0.0
415	114	0.0	0.0	-0.27	0.0	0.0	0.0
415	115	-4.38e-05	-4.97e-03	-0.19	-7.60e-06	1.31e-06	0.0
415	116	-4.38e-05	-4.97e-03	-0.27	-7.60e-06	1.31e-06	0.0
415	118	0.0	0.0	-0.27	0.0	0.0	0.0
415	119	-4.38e-05	-4.97e-03	-0.19	-7.60e-06	1.31e-06	0.0

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415	120	-4.38e-05	-4.97e-03	-0.27	-7.60e-06	1.31e-06	0.0
415	122	0.0	0.0	-0.27	0.0	0.0	0.0
415	123	-4.38e-05	-4.97e-03	-0.19	-7.60e-06	1.31e-06	0.0
415	124	-4.38e-05	-4.97e-03	-0.27	-7.60e-06	1.31e-06	0.0
416	2	0.0	0.0	-0.37	0.0	0.0	0.0
416	4	-2.90e-05	-7.19e-03	-0.37	1.51e-06	0.0	0.0
416	7	-2.89e-05	-7.19e-03	-0.20	1.51e-06	0.0	0.0
416	10	0.0	0.0	-0.30	0.0	0.0	0.0
416	19	-0.18	0.04	-0.27	0.0	0.0	0.0
416	31	0.02	0.11	-0.27	0.0	0.0	0.0
416	38	0.12	-0.13	-0.27	1.81e-06	0.0	0.0
416	51	-0.09	0.02	-0.27	0.0	0.0	0.0
416	63	0.01	0.05	-0.27	0.0	0.0	0.0
416	70	0.06	-0.06	-0.27	1.39e-06	0.0	0.0
416	83	-0.18	0.04	-0.27	0.0	0.0	0.0
416	102	0.12	-0.13	-0.27	1.81e-06	0.0	0.0
416	110	0.0	0.0	-0.27	0.0	0.0	0.0
416	111	-1.93e-05	-4.79e-03	-0.19	1.00e-06	0.0	0.0
416	112	-1.93e-05	-4.79e-03	-0.27	1.00e-06	0.0	0.0
416	114	0.0	0.0	-0.27	0.0	0.0	0.0
416	115	-1.93e-05	-4.79e-03	-0.19	1.00e-06	0.0	0.0
416	116	-1.93e-05	-4.79e-03	-0.27	1.00e-06	0.0	0.0
416	118	0.0	0.0	-0.27	0.0	0.0	0.0
416	119	-1.93e-05	-4.79e-03	-0.19	1.00e-06	0.0	0.0
416	120	-1.93e-05	-4.79e-03	-0.27	1.00e-06	0.0	0.0
416	122	0.0	0.0	-0.27	0.0	0.0	0.0
416	123	-1.93e-05	-4.79e-03	-0.19	1.00e-06	0.0	0.0
416	124	-1.93e-05	-4.79e-03	-0.27	1.00e-06	0.0	0.0
417	2	0.0	0.0	-0.37	0.0	0.0	0.0
417	4	-1.65e-05	-7.08e-03	-0.37	6.43e-06	-1.01e-06	0.0
417	7	-1.65e-05	-7.08e-03	-0.20	6.43e-06	-1.01e-06	0.0
417	10	0.0	0.0	-0.30	0.0	0.0	0.0
417	19	-0.19	0.04	-0.27	4.08e-06	0.0	0.0
417	38	0.13	-0.13	-0.27	3.72e-06	0.0	0.0
417	44	0.05	-0.13	-0.27	3.81e-06	0.0	0.0
417	51	-0.09	0.02	-0.27	4.19e-06	0.0	0.0
417	70	0.06	-0.06	-0.27	4.01e-06	0.0	0.0
417	76	0.02	-0.06	-0.27	4.06e-06	0.0	0.0
417	83	-0.19	0.04	-0.27	4.08e-06	0.0	0.0
417	102	0.13	-0.13	-0.27	3.72e-06	0.0	0.0
417	110	0.0	0.0	-0.27	0.0	0.0	0.0
417	111	-1.10e-05	-4.72e-03	-0.19	4.29e-06	0.0	0.0
417	112	-1.10e-05	-4.72e-03	-0.27	4.29e-06	0.0	0.0
417	114	0.0	0.0	-0.27	0.0	0.0	0.0
417	115	-1.10e-05	-4.72e-03	-0.19	4.29e-06	0.0	0.0
417	116	-1.10e-05	-4.72e-03	-0.27	4.29e-06	0.0	0.0
417	118	0.0	0.0	-0.27	0.0	0.0	0.0
417	119	-1.10e-05	-4.72e-03	-0.19	4.29e-06	0.0	0.0
417	120	-1.10e-05	-4.72e-03	-0.27	4.29e-06	0.0	0.0
417	122	0.0	0.0	-0.27	0.0	0.0	0.0
417	123	-1.10e-05	-4.72e-03	-0.19	4.29e-06	0.0	0.0
417	124	-1.10e-05	-4.72e-03	-0.27	4.29e-06	0.0	0.0
418	2	0.0	0.0	-0.37	0.0	0.0	0.0
418	4	-1.55e-05	-7.04e-03	-0.37	7.48e-06	-1.16e-06	0.0
418	7	-1.55e-05	-7.04e-03	-0.20	7.48e-06	-1.16e-06	0.0
418	10	0.0	0.0	-0.30	0.0	0.0	0.0
418	19	-0.20	0.05	-0.27	4.59e-06	0.0	0.0
418	36	-0.12	-0.12	-0.27	7.01e-06	-1.94e-06	0.0
418	38	0.14	-0.13	-0.27	4.11e-06	0.0	0.0
418	51	-0.09	0.02	-0.27	4.80e-06	0.0	0.0
418	68	-0.06	-0.06	-0.27	5.96e-06	-1.33e-06	0.0
418	70	0.07	-0.06	-0.27	4.57e-06	0.0	0.0
418	83	-0.20	0.05	-0.27	4.59e-06	0.0	0.0
418	102	0.14	-0.13	-0.27	4.11e-06	0.0	0.0
418	110	0.0	0.0	-0.27	0.0	0.0	0.0

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418	111	-1.03e-05	-4.69e-03	-0.19	4.99e-06	0.0	0.0
418	112	-1.03e-05	-4.69e-03	-0.27	4.99e-06	0.0	0.0
418	114	0.0	0.0	-0.27	0.0	0.0	0.0
418	115	-1.03e-05	-4.69e-03	-0.19	4.99e-06	0.0	0.0
418	116	-1.03e-05	-4.69e-03	-0.27	4.99e-06	0.0	0.0
418	118	0.0	0.0	-0.27	0.0	0.0	0.0
418	119	-1.03e-05	-4.69e-03	-0.19	4.99e-06	0.0	0.0
418	120	-1.03e-05	-4.69e-03	-0.27	4.99e-06	0.0	0.0
418	122	0.0	0.0	-0.27	0.0	0.0	0.0
418	123	-1.03e-05	-4.69e-03	-0.19	4.99e-06	0.0	0.0
418	124	-1.03e-05	-4.69e-03	-0.27	4.99e-06	0.0	0.0
419	2	0.0	0.0	-0.37	0.0	0.0	0.0
419	4	-1.85e-05	-7.03e-03	-0.37	7.21e-06	-1.09e-06	0.0
419	7	-1.85e-05	-7.03e-03	-0.20	7.21e-06	-1.09e-06	0.0
419	10	0.0	0.0	-0.30	0.0	0.0	0.0
419	19	-0.21	0.05	-0.27	4.24e-06	0.0	0.0
419	36	-0.13	-0.12	-0.27	7.46e-06	-2.59e-06	0.0
419	38	0.15	-0.13	-0.27	3.53e-06	0.0	0.0
419	51	-0.10	0.02	-0.27	4.54e-06	0.0	0.0
419	68	-0.06	-0.06	-0.27	6.08e-06	-1.62e-06	0.0
419	70	0.07	-0.06	-0.27	4.20e-06	0.0	0.0
419	83	-0.21	0.05	-0.27	4.24e-06	0.0	0.0
419	102	0.15	-0.13	-0.27	3.53e-06	0.0	0.0
419	110	0.0	0.0	-0.27	0.0	0.0	0.0
419	111	-1.23e-05	-4.68e-03	-0.19	4.81e-06	0.0	0.0
419	112	-1.23e-05	-4.68e-03	-0.27	4.81e-06	0.0	0.0
419	114	0.0	0.0	-0.27	0.0	0.0	0.0
419	115	-1.23e-05	-4.68e-03	-0.19	4.81e-06	0.0	0.0
419	116	-1.23e-05	-4.68e-03	-0.27	4.81e-06	0.0	0.0
419	118	0.0	0.0	-0.27	0.0	0.0	0.0
419	119	-1.23e-05	-4.68e-03	-0.19	4.81e-06	0.0	0.0
419	120	-1.23e-05	-4.68e-03	-0.27	4.81e-06	0.0	0.0
419	122	0.0	0.0	-0.27	0.0	0.0	0.0
419	123	-1.23e-05	-4.68e-03	-0.19	4.81e-06	0.0	0.0
419	124	-1.23e-05	-4.68e-03	-0.27	4.81e-06	0.0	0.0
420	4	-2.19e-05	-7.02e-03	-0.37	6.87e-06	-1.01e-06	0.0
420	7	-2.19e-05	-7.02e-03	-0.20	6.87e-06	-1.01e-06	0.0
420	12	-1.90e-05	-6.09e-03	-0.30	5.96e-06	0.0	0.0
420	19	-0.22	0.05	-0.27	3.88e-06	0.0	0.0
420	36	-0.14	-0.12	-0.27	7.85e-06	-3.36e-06	0.0
420	38	0.16	-0.13	-0.27	2.95e-06	0.0	0.0
420	51	-0.10	0.02	-0.27	4.25e-06	0.0	0.0
420	68	-0.07	-0.06	-0.27	6.15e-06	-1.96e-06	0.0
420	70	0.08	-0.07	-0.27	3.80e-06	0.0	0.0
420	83	-0.22	0.05	-0.27	3.88e-06	0.0	0.0
420	102	0.16	-0.13	-0.27	2.95e-06	0.0	0.0
420	111	-1.46e-05	-4.68e-03	-0.19	4.58e-06	0.0	0.0
420	112	-1.46e-05	-4.68e-03	-0.27	4.58e-06	0.0	0.0
420	115	-1.46e-05	-4.68e-03	-0.19	4.58e-06	0.0	0.0
420	116	-1.46e-05	-4.68e-03	-0.27	4.58e-06	0.0	0.0
420	119	-1.46e-05	-4.68e-03	-0.19	4.58e-06	0.0	0.0
420	120	-1.46e-05	-4.68e-03	-0.27	4.58e-06	0.0	0.0
420	123	-1.46e-05	-4.68e-03	-0.19	4.58e-06	0.0	0.0
420	124	-1.46e-05	-4.68e-03	-0.27	4.58e-06	0.0	0.0
421	4	-2.50e-05	-7.02e-03	-0.38	6.71e-06	0.0	0.0
421	7	-2.49e-05	-7.02e-03	-0.20	6.71e-06	0.0	0.0
421	12	-2.16e-05	-6.08e-03	-0.30	5.81e-06	0.0	0.0
421	19	-0.22	0.05	-0.27	3.77e-06	1.21e-06	0.0
421	36	-0.15	-0.12	-0.28	7.99e-06	-4.08e-06	0.0
421	38	0.17	-0.13	-0.27	2.66e-06	0.0	0.0
421	51	-0.11	0.02	-0.27	4.14e-06	0.0	0.0
421	68	-0.07	-0.06	-0.27	6.16e-06	-2.29e-06	0.0
421	70	0.08	-0.07	-0.27	3.61e-06	0.0	0.0
421	83	-0.22	0.05	-0.27	3.77e-06	1.21e-06	0.0
421	102	0.17	-0.13	-0.27	2.66e-06	0.0	0.0

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421	111	-1.66e-05	-4.68e-03	-0.19	4.47e-06	0.0	0.0
421	112	-1.66e-05	-4.68e-03	-0.27	4.47e-06	0.0	0.0
421	115	-1.66e-05	-4.68e-03	-0.19	4.47e-06	0.0	0.0
421	116	-1.66e-05	-4.68e-03	-0.27	4.47e-06	0.0	0.0
421	119	-1.66e-05	-4.68e-03	-0.19	4.47e-06	0.0	0.0
421	120	-1.66e-05	-4.68e-03	-0.27	4.47e-06	0.0	0.0
421	123	-1.66e-05	-4.68e-03	-0.19	4.47e-06	0.0	0.0
421	124	-1.66e-05	-4.68e-03	-0.27	4.47e-06	0.0	0.0
422	4	0.0	-0.01	-0.40	-1.66e-04	0.0	0.0
422	12	0.0	-8.95e-03	-0.32	-1.44e-04	0.0	0.0
422	19	-0.15	0.03	-0.29	-1.11e-04	1.92e-06	0.0
422	41	-5.82e-03	0.11	-0.29	-1.14e-04	0.0	0.0
422	44	5.82e-03	-0.12	-0.29	-1.07e-04	0.0	0.0
422	51	-0.07	9.44e-03	-0.29	-1.11e-04	0.0	0.0
422	73	-2.82e-03	0.05	-0.29	-1.12e-04	0.0	0.0
422	76	2.82e-03	-0.06	-0.29	-1.09e-04	0.0	0.0
422	83	-0.15	0.03	-0.29	-1.11e-04	1.92e-06	0.0
422	108	5.82e-03	-0.12	-0.29	-1.07e-04	0.0	0.0
422	112	0.0	-6.88e-03	-0.29	-1.10e-04	0.0	0.0
422	116	0.0	-6.88e-03	-0.29	-1.10e-04	0.0	0.0
422	120	0.0	-6.88e-03	-0.29	-1.10e-04	0.0	0.0
422	124	0.0	-6.88e-03	-0.29	-1.10e-04	0.0	0.0
423	4	0.0	-8.92e-03	-0.38	-8.94e-05	0.0	0.0
423	7	0.0	-8.92e-03	-0.21	-8.94e-05	0.0	0.0
423	12	0.0	-7.73e-03	-0.31	-7.75e-05	0.0	0.0
423	18	0.15	-0.04	-0.28	-5.88e-05	0.0	0.0
423	41	-0.01	0.11	-0.28	-6.23e-05	0.0	0.0
423	44	0.01	-0.12	-0.28	-5.69e-05	0.0	0.0
423	50	0.07	-0.02	-0.28	-5.92e-05	0.0	0.0
423	73	-7.00e-03	0.05	-0.28	-6.09e-05	0.0	0.0
423	76	7.00e-03	-0.06	-0.28	-5.83e-05	0.0	0.0
423	82	0.15	-0.04	-0.28	-5.88e-05	0.0	0.0
423	108	0.01	-0.12	-0.28	-5.69e-05	0.0	0.0
423	111	0.0	-5.95e-03	-0.20	-5.96e-05	0.0	0.0
423	112	0.0	-5.95e-03	-0.28	-5.96e-05	0.0	0.0
423	115	0.0	-5.95e-03	-0.20	-5.96e-05	0.0	0.0
423	116	0.0	-5.95e-03	-0.28	-5.96e-05	0.0	0.0
423	119	0.0	-5.95e-03	-0.20	-5.96e-05	0.0	0.0
423	120	0.0	-5.95e-03	-0.28	-5.96e-05	0.0	0.0
423	123	0.0	-5.95e-03	-0.20	-5.96e-05	0.0	0.0
423	124	0.0	-5.95e-03	-0.28	-5.96e-05	0.0	0.0
424	4	0.0	-8.00e-03	-0.37	-4.02e-05	0.0	0.0
424	7	0.0	-8.00e-03	-0.20	-4.02e-05	0.0	0.0
424	12	0.0	-6.94e-03	-0.30	-3.48e-05	0.0	0.0
424	18	0.16	-0.04	-0.27	-2.62e-05	0.0	0.0
424	43	-0.08	0.11	-0.27	-2.88e-05	0.0	0.0
424	44	0.02	-0.12	-0.27	-2.47e-05	0.0	0.0
424	50	0.08	-0.02	-0.27	-2.65e-05	0.0	0.0
424	75	-0.04	0.05	-0.27	-2.78e-05	0.0	0.0
424	76	0.01	-0.06	-0.27	-2.58e-05	0.0	0.0
424	82	0.16	-0.04	-0.27	-2.62e-05	0.0	0.0
424	108	0.02	-0.12	-0.27	-2.47e-05	0.0	0.0
424	111	0.0	-5.34e-03	-0.19	-2.68e-05	0.0	0.0
424	112	0.0	-5.34e-03	-0.27	-2.68e-05	0.0	0.0
424	115	0.0	-5.34e-03	-0.19	-2.68e-05	0.0	0.0
424	116	0.0	-5.34e-03	-0.27	-2.68e-05	0.0	0.0
424	119	0.0	-5.34e-03	-0.19	-2.68e-05	0.0	0.0
424	120	0.0	-5.34e-03	-0.27	-2.68e-05	0.0	0.0
424	123	0.0	-5.34e-03	-0.19	-2.68e-05	0.0	0.0
424	124	0.0	-5.34e-03	-0.27	-2.68e-05	0.0	0.0
425	2	0.0	0.0	-0.37	0.0	0.0	0.0
425	7	0.0	-7.47e-03	-0.20	-1.23e-05	0.0	0.0
425	10	0.0	0.0	-0.30	0.0	0.0	0.0
425	18	0.17	-0.04	-0.27	-7.75e-06	0.0	0.0
425	43	-0.09	0.11	-0.27	-9.67e-06	0.0	0.0

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425	44	0.03	-0.12	-0.27	-6.72e-06	0.0	0.0
425	50	0.08	-0.02	-0.27	-7.98e-06	0.0	0.0
425	75	-0.04	0.05	-0.27	-8.90e-06	0.0	0.0
425	76	0.02	-0.06	-0.27	-7.49e-06	0.0	0.0
425	82	0.17	-0.04	-0.27	-7.75e-06	0.0	0.0
425	108	0.03	-0.12	-0.27	-6.72e-06	0.0	0.0
425	110	0.0	0.0	-0.27	0.0	0.0	0.0
425	111	0.0	-4.98e-03	-0.19	-8.19e-06	0.0	0.0
425	114	0.0	0.0	-0.27	0.0	0.0	0.0
425	115	0.0	-4.98e-03	-0.19	-8.19e-06	0.0	0.0
425	118	0.0	0.0	-0.27	0.0	0.0	0.0
425	119	0.0	-4.98e-03	-0.19	-8.19e-06	0.0	0.0
425	122	0.0	0.0	-0.27	0.0	0.0	0.0
425	123	0.0	-4.98e-03	-0.19	-8.19e-06	0.0	0.0
426	2	0.0	0.0	-0.37	0.0	0.0	0.0
426	4	0.0	-7.20e-03	-0.37	1.27e-06	0.0	0.0
426	7	0.0	-7.20e-03	-0.20	1.26e-06	0.0	0.0
426	10	0.0	0.0	-0.30	0.0	0.0	0.0
426	18	0.18	-0.04	-0.27	1.17e-06	0.0	0.0
426	43	-0.10	0.11	-0.27	0.0	0.0	0.0
426	44	0.04	-0.12	-0.27	1.93e-06	0.0	0.0
426	50	0.09	-0.02	-0.27	0.0	0.0	0.0
426	75	-0.05	0.05	-0.27	0.0	0.0	0.0
426	76	0.02	-0.06	-0.27	1.36e-06	0.0	0.0
426	82	0.18	-0.04	-0.27	1.17e-06	0.0	0.0
426	108	0.04	-0.12	-0.27	1.93e-06	0.0	0.0
426	110	0.0	0.0	-0.27	0.0	0.0	0.0
426	111	0.0	-4.80e-03	-0.19	0.0	0.0	0.0
426	112	0.0	-4.80e-03	-0.27	0.0	0.0	0.0
426	114	0.0	0.0	-0.27	0.0	0.0	0.0
426	115	0.0	-4.80e-03	-0.19	0.0	0.0	0.0
426	116	0.0	-4.80e-03	-0.27	0.0	0.0	0.0
426	118	0.0	0.0	-0.27	0.0	0.0	0.0
426	119	0.0	-4.80e-03	-0.19	0.0	0.0	0.0
426	120	0.0	-4.80e-03	-0.27	0.0	0.0	0.0
426	122	0.0	0.0	-0.27	0.0	0.0	0.0
426	123	0.0	-4.80e-03	-0.19	0.0	0.0	0.0
426	124	0.0	-4.80e-03	-0.27	0.0	0.0	0.0
427	2	0.0	0.0	-0.37	0.0	0.0	0.0
427	4	0.0	-7.08e-03	-0.37	6.45e-06	0.0	0.0
427	7	0.0	-7.08e-03	-0.20	6.45e-06	0.0	0.0
427	10	0.0	0.0	-0.30	0.0	0.0	0.0
427	18	0.19	-0.04	-0.27	4.61e-06	0.0	0.0
427	38	0.13	-0.12	-0.27	5.33e-06	0.0	0.0
427	44	0.05	-0.12	-0.27	5.33e-06	0.0	0.0
427	50	0.09	-0.02	-0.27	4.45e-06	0.0	0.0
427	70	0.06	-0.06	-0.27	4.79e-06	0.0	0.0
427	76	0.02	-0.06	-0.27	4.79e-06	0.0	0.0
427	82	0.19	-0.04	-0.27	4.61e-06	0.0	0.0
427	102	0.13	-0.12	-0.27	5.33e-06	0.0	0.0
427	110	0.0	0.0	-0.27	0.0	0.0	0.0
427	111	0.0	-4.72e-03	-0.19	4.30e-06	0.0	0.0
427	112	0.0	-4.72e-03	-0.27	4.30e-06	0.0	0.0
427	114	0.0	0.0	-0.27	0.0	0.0	0.0
427	115	0.0	-4.72e-03	-0.19	4.30e-06	0.0	0.0
427	116	0.0	-4.72e-03	-0.27	4.30e-06	0.0	0.0
427	118	0.0	0.0	-0.27	0.0	0.0	0.0
427	119	0.0	-4.72e-03	-0.19	4.30e-06	0.0	0.0
427	120	0.0	-4.72e-03	-0.27	4.30e-06	0.0	0.0
427	122	0.0	0.0	-0.27	0.0	0.0	0.0
427	123	0.0	-4.72e-03	-0.19	4.30e-06	0.0	0.0
427	124	0.0	-4.72e-03	-0.27	4.30e-06	0.0	0.0
428	2	0.0	0.0	-0.37	0.0	0.0	0.0
428	7	0.0	-7.04e-03	-0.20	7.58e-06	0.0	0.0
428	10	0.0	0.0	-0.30	0.0	0.0	0.0

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428	19	-0.20	0.03	-0.27	4.66e-06	0.0	0.0
428	36	-0.12	-0.12	-0.27	6.39e-06	0.0	0.0
428	38	0.14	-0.12	-0.27	6.39e-06	0.0	0.0
428	51	-0.10	0.01	-0.27	4.86e-06	0.0	0.0
428	68	-0.06	-0.06	-0.27	5.69e-06	0.0	0.0
428	70	0.07	-0.06	-0.27	5.69e-06	0.0	0.0
428	83	-0.20	0.03	-0.27	4.66e-06	0.0	0.0
428	102	0.14	-0.12	-0.27	6.39e-06	0.0	0.0
428	110	0.0	0.0	-0.27	0.0	0.0	0.0
428	111	0.0	-4.69e-03	-0.19	5.05e-06	0.0	0.0
428	114	0.0	0.0	-0.27	0.0	0.0	0.0
428	115	0.0	-4.69e-03	-0.19	5.05e-06	0.0	0.0
428	118	0.0	0.0	-0.27	0.0	0.0	0.0
428	119	0.0	-4.69e-03	-0.19	5.05e-06	0.0	0.0
428	122	0.0	0.0	-0.27	0.0	0.0	0.0
428	123	0.0	-4.69e-03	-0.19	5.05e-06	0.0	0.0
429	2	0.0	0.0	-0.37	0.0	0.0	0.0
429	7	0.0	-7.03e-03	-0.20	7.31e-06	0.0	0.0
429	10	0.0	0.0	-0.30	0.0	0.0	0.0
429	19	-0.21	0.03	-0.27	4.33e-06	0.0	0.0
429	36	-0.13	-0.12	-0.27	6.70e-06	-1.57e-06	0.0
429	38	0.15	-0.12	-0.27	6.70e-06	0.0	0.0
429	51	-0.10	0.01	-0.27	4.61e-06	0.0	0.0
429	68	-0.06	-0.06	-0.27	5.75e-06	0.0	0.0
429	70	0.07	-0.06	-0.27	5.75e-06	0.0	0.0
429	83	-0.21	0.03	-0.27	4.33e-06	0.0	0.0
429	102	0.15	-0.12	-0.27	6.70e-06	0.0	0.0
429	110	0.0	0.0	-0.27	0.0	0.0	0.0
429	111	0.0	-4.69e-03	-0.19	4.88e-06	0.0	0.0
429	114	0.0	0.0	-0.27	0.0	0.0	0.0
429	115	0.0	-4.69e-03	-0.19	4.88e-06	0.0	0.0
429	118	0.0	0.0	-0.27	0.0	0.0	0.0
429	119	0.0	-4.69e-03	-0.19	4.88e-06	0.0	0.0
429	122	0.0	0.0	-0.27	0.0	0.0	0.0
429	123	0.0	-4.69e-03	-0.19	4.88e-06	0.0	0.0
430	4	0.0	-7.03e-03	-0.37	6.96e-06	0.0	0.0
430	7	0.0	-7.03e-03	-0.20	6.96e-06	0.0	0.0
430	12	0.0	-6.09e-03	-0.30	6.03e-06	0.0	0.0
430	19	-0.22	0.03	-0.27	3.94e-06	1.31e-06	0.0
430	36	-0.14	-0.12	-0.27	6.96e-06	-2.36e-06	0.0
430	38	0.16	-0.12	-0.27	6.96e-06	1.13e-06	0.0
430	51	-0.10	0.01	-0.27	4.31e-06	0.0	0.0
430	68	-0.07	-0.06	-0.27	5.76e-06	-1.13e-06	0.0
430	70	0.08	-0.06	-0.27	5.76e-06	0.0	0.0
430	83	-0.22	0.03	-0.27	3.94e-06	1.31e-06	0.0
430	102	0.16	-0.12	-0.27	6.96e-06	1.13e-06	0.0
430	111	0.0	-4.68e-03	-0.19	4.64e-06	0.0	0.0
430	112	0.0	-4.68e-03	-0.27	4.64e-06	0.0	0.0
430	115	0.0	-4.68e-03	-0.19	4.64e-06	0.0	0.0
430	116	0.0	-4.68e-03	-0.27	4.64e-06	0.0	0.0
430	119	0.0	-4.68e-03	-0.19	4.64e-06	0.0	0.0
430	120	0.0	-4.68e-03	-0.27	4.64e-06	0.0	0.0
430	123	0.0	-4.68e-03	-0.19	4.64e-06	0.0	0.0
430	124	0.0	-4.68e-03	-0.27	4.64e-06	0.0	0.0
431	4	0.0	-7.02e-03	-0.38	6.79e-06	0.0	0.0
431	7	0.0	-7.02e-03	-0.20	6.79e-06	0.0	0.0
431	12	0.0	-6.09e-03	-0.30	5.89e-06	0.0	0.0
431	19	-0.23	0.03	-0.27	3.76e-06	1.79e-06	0.0
431	36	-0.15	-0.12	-0.27	7.08e-06	-3.13e-06	0.0
431	38	0.17	-0.12	-0.27	7.08e-06	1.50e-06	0.0
431	51	-0.11	0.01	-0.27	4.16e-06	0.0	0.0
431	68	-0.07	-0.06	-0.27	5.75e-06	-1.50e-06	0.0
431	70	0.08	-0.06	-0.27	5.75e-06	0.0	0.0
431	83	-0.23	0.03	-0.27	3.76e-06	1.79e-06	0.0
431	102	0.17	-0.12	-0.27	7.08e-06	1.50e-06	0.0

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431	111	0.0	-4.68e-03	-0.19	4.53e-06	0.0	0.0
431	112	0.0	-4.68e-03	-0.27	4.53e-06	0.0	0.0
431	115	0.0	-4.68e-03	-0.19	4.53e-06	0.0	0.0
431	116	0.0	-4.68e-03	-0.27	4.53e-06	0.0	0.0
431	119	0.0	-4.68e-03	-0.19	4.53e-06	0.0	0.0
431	120	0.0	-4.68e-03	-0.27	4.53e-06	0.0	0.0
431	123	0.0	-4.68e-03	-0.19	4.53e-06	0.0	0.0
431	124	0.0	-4.68e-03	-0.27	4.53e-06	0.0	0.0
432	4	5.42e-04	-0.01	-0.40	-1.58e-04	-2.93e-05	0.0
432	12	4.70e-04	-8.82e-03	-0.32	-1.37e-04	-2.54e-05	0.0
432	13	0.15	0.04	-0.29	-1.05e-04	-2.15e-05	0.0
432	32	-0.08	-0.13	-0.29	-1.02e-04	-1.79e-05	0.0
432	43	-0.07	0.11	-0.29	-1.08e-04	-1.95e-05	0.0
432	45	0.07	0.01	-0.29	-1.05e-04	-2.05e-05	0.0
432	64	-0.04	-0.06	-0.29	-1.04e-04	-1.88e-05	0.0
432	75	-0.03	0.05	-0.29	-1.07e-04	-1.95e-05	0.0
432	77	0.15	0.04	-0.29	-1.05e-04	-2.15e-05	0.0
432	96	-0.08	-0.13	-0.29	-1.02e-04	-1.79e-05	0.0
432	112	3.61e-04	-6.78e-03	-0.29	-1.05e-04	-1.96e-05	0.0
432	116	3.61e-04	-6.78e-03	-0.29	-1.05e-04	-1.96e-05	0.0
432	120	3.61e-04	-6.78e-03	-0.29	-1.05e-04	-1.96e-05	0.0
432	124	3.61e-04	-6.78e-03	-0.29	-1.05e-04	-1.96e-05	0.0
433	4	2.95e-04	-8.83e-03	-0.38	-8.49e-05	-1.52e-05	0.0
433	12	2.55e-04	-7.65e-03	-0.31	-7.36e-05	-1.31e-05	0.0
433	13	0.15	0.04	-0.28	-5.67e-05	-1.11e-05	0.0
433	32	-0.09	-0.13	-0.28	-5.42e-05	-8.93e-06	0.0
433	43	-0.07	0.11	-0.28	-5.93e-05	-1.00e-05	0.0
433	45	0.07	0.01	-0.28	-5.66e-05	-1.06e-05	0.0
433	64	-0.04	-0.06	-0.28	-5.55e-05	-9.54e-06	0.0
433	75	-0.04	0.05	-0.28	-5.79e-05	-1.01e-05	0.0
433	77	0.15	0.04	-0.28	-5.67e-05	-1.11e-05	0.0
433	96	-0.09	-0.13	-0.28	-5.42e-05	-8.93e-06	0.0
433	112	1.97e-04	-5.89e-03	-0.28	-5.66e-05	-1.01e-05	0.0
433	116	1.97e-04	-5.89e-03	-0.28	-5.66e-05	-1.01e-05	0.0
433	120	1.97e-04	-5.89e-03	-0.28	-5.66e-05	-1.01e-05	0.0
433	124	1.97e-04	-5.89e-03	-0.28	-5.66e-05	-1.01e-05	0.0
434	4	1.46e-04	-7.96e-03	-0.37	-3.80e-05	-6.60e-06	0.0
434	12	1.26e-04	-6.90e-03	-0.30	-3.29e-05	-5.72e-06	0.0
434	13	0.16	0.04	-0.27	-2.55e-05	-4.88e-06	0.0
434	32	-0.10	-0.13	-0.27	-2.35e-05	-3.58e-06	0.0
434	43	-0.08	0.11	-0.27	-2.75e-05	-4.32e-06	0.0
434	45	0.08	0.02	-0.27	-2.54e-05	-4.63e-06	0.0
434	64	-0.05	-0.06	-0.27	-2.45e-05	-4.01e-06	0.0
434	75	-0.04	0.05	-0.27	-2.63e-05	-4.36e-06	0.0
434	77	0.16	0.04	-0.27	-2.55e-05	-4.88e-06	0.0
434	96	-0.10	-0.13	-0.27	-2.35e-05	-3.58e-06	0.0
434	112	9.72e-05	-5.30e-03	-0.27	-2.53e-05	-4.40e-06	0.0
434	116	9.72e-05	-5.30e-03	-0.27	-2.53e-05	-4.40e-06	0.0
434	120	9.72e-05	-5.30e-03	-0.27	-2.53e-05	-4.40e-06	0.0
434	124	9.72e-05	-5.30e-03	-0.27	-2.53e-05	-4.40e-06	0.0
435	2	0.0	0.0	-0.37	0.0	0.0	0.0
435	4	6.57e-05	-7.45e-03	-0.37	-1.14e-05	-1.96e-06	0.0
435	7	6.57e-05	-7.45e-03	-0.20	-1.14e-05	-1.96e-06	0.0
435	10	0.0	0.0	-0.30	0.0	0.0	0.0
435	13	0.17	0.04	-0.27	-7.78e-06	-1.29e-06	0.0
435	32	-0.11	-0.13	-0.27	-6.39e-06	0.0	0.0
435	43	-0.09	0.11	-0.27	-9.32e-06	-1.01e-06	0.0
435	45	0.08	0.02	-0.27	-7.69e-06	-1.30e-06	0.0
435	64	-0.05	-0.06	-0.27	-7.02e-06	-1.09e-06	0.0
435	75	-0.04	0.05	-0.27	-8.42e-06	-1.17e-06	0.0
435	77	0.17	0.04	-0.27	-7.78e-06	-1.29e-06	0.0
435	96	-0.11	-0.13	-0.27	-6.39e-06	0.0	0.0
435	110	0.0	0.0	-0.27	0.0	0.0	0.0
435	111	4.38e-05	-4.97e-03	-0.19	-7.60e-06	-1.31e-06	0.0
435	112	4.38e-05	-4.97e-03	-0.27	-7.60e-06	-1.31e-06	0.0

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435	114	0.0	0.0	-0.27	0.0	0.0	0.0
435	115	4.38e-05	-4.97e-03	-0.19	-7.60e-06	-1.31e-06	0.0
435	116	4.38e-05	-4.97e-03	-0.27	-7.60e-06	-1.31e-06	0.0
435	118	0.0	0.0	-0.27	0.0	0.0	0.0
435	119	4.38e-05	-4.97e-03	-0.19	-7.60e-06	-1.31e-06	0.0
435	120	4.38e-05	-4.97e-03	-0.27	-7.60e-06	-1.31e-06	0.0
435	122	0.0	0.0	-0.27	0.0	0.0	0.0
435	123	4.38e-05	-4.97e-03	-0.19	-7.60e-06	-1.31e-06	0.0
435	124	4.38e-05	-4.97e-03	-0.27	-7.60e-06	-1.31e-06	0.0
436	2	0.0	0.0	-0.37	0.0	0.0	0.0
436	4	2.90e-05	-7.19e-03	-0.37	1.51e-06	0.0	0.0
436	7	2.89e-05	-7.19e-03	-0.20	1.51e-06	0.0	0.0
436	10	0.0	0.0	-0.30	0.0	0.0	0.0
436	13	0.18	0.04	-0.27	0.0	0.0	0.0
436	32	-0.12	-0.13	-0.27	1.81e-06	0.0	0.0
436	37	-0.02	0.11	-0.27	0.0	0.0	0.0
436	45	0.09	0.02	-0.27	0.0	0.0	0.0
436	64	-0.06	-0.06	-0.27	1.39e-06	0.0	0.0
436	69	-0.01	0.05	-0.27	0.0	0.0	0.0
436	77	0.18	0.04	-0.27	0.0	0.0	0.0
436	96	-0.12	-0.13	-0.27	1.81e-06	0.0	0.0
436	110	0.0	0.0	-0.27	0.0	0.0	0.0
436	111	1.93e-05	-4.79e-03	-0.19	1.00e-06	0.0	0.0
436	112	1.93e-05	-4.79e-03	-0.27	1.00e-06	0.0	0.0
436	114	0.0	0.0	-0.27	0.0	0.0	0.0
436	115	1.93e-05	-4.79e-03	-0.19	1.00e-06	0.0	0.0
436	116	1.93e-05	-4.79e-03	-0.27	1.00e-06	0.0	0.0
436	118	0.0	0.0	-0.27	0.0	0.0	0.0
436	119	1.93e-05	-4.79e-03	-0.19	1.00e-06	0.0	0.0
436	120	1.93e-05	-4.79e-03	-0.27	1.00e-06	0.0	0.0
436	122	0.0	0.0	-0.27	0.0	0.0	0.0
436	123	1.93e-05	-4.79e-03	-0.19	1.00e-06	0.0	0.0
436	124	1.93e-05	-4.79e-03	-0.27	1.00e-06	0.0	0.0
437	2	0.0	0.0	-0.37	0.0	0.0	0.0
437	4	1.65e-05	-7.08e-03	-0.37	6.43e-06	1.01e-06	0.0
437	7	1.65e-05	-7.08e-03	-0.20	6.43e-06	1.01e-06	0.0
437	10	0.0	0.0	-0.30	0.0	0.0	0.0
437	13	0.19	0.04	-0.27	4.08e-06	0.0	0.0
437	32	-0.13	-0.13	-0.27	3.72e-06	0.0	0.0
437	34	-0.05	-0.13	-0.27	3.81e-06	0.0	0.0
437	45	0.09	0.02	-0.27	4.19e-06	0.0	0.0
437	64	-0.06	-0.06	-0.27	4.01e-06	0.0	0.0
437	66	-0.02	-0.06	-0.27	4.06e-06	0.0	0.0
437	77	0.19	0.04	-0.27	4.08e-06	0.0	0.0
437	96	-0.13	-0.13	-0.27	3.72e-06	0.0	0.0
437	110	0.0	0.0	-0.27	0.0	0.0	0.0
437	111	1.10e-05	-4.72e-03	-0.19	4.29e-06	0.0	0.0
437	112	1.10e-05	-4.72e-03	-0.27	4.29e-06	0.0	0.0
437	114	0.0	0.0	-0.27	0.0	0.0	0.0
437	115	1.10e-05	-4.72e-03	-0.19	4.29e-06	0.0	0.0
437	116	1.10e-05	-4.72e-03	-0.27	4.29e-06	0.0	0.0
437	118	0.0	0.0	-0.27	0.0	0.0	0.0
437	119	1.10e-05	-4.72e-03	-0.19	4.29e-06	0.0	0.0
437	120	1.10e-05	-4.72e-03	-0.27	4.29e-06	0.0	0.0
437	122	0.0	0.0	-0.27	0.0	0.0	0.0
437	123	1.10e-05	-4.72e-03	-0.19	4.29e-06	0.0	0.0
437	124	1.10e-05	-4.72e-03	-0.27	4.29e-06	0.0	0.0
438	2	0.0	0.0	-0.37	0.0	0.0	0.0
438	4	1.55e-05	-7.04e-03	-0.37	7.48e-06	1.16e-06	0.0
438	7	1.55e-05	-7.04e-03	-0.20	7.48e-06	1.16e-06	0.0
438	10	0.0	0.0	-0.30	0.0	0.0	0.0
438	13	0.20	0.05	-0.27	4.59e-06	0.0	0.0
438	32	-0.14	-0.13	-0.27	4.11e-06	0.0	0.0
438	42	0.12	-0.12	-0.27	7.01e-06	1.94e-06	0.0
438	45	0.09	0.02	-0.27	4.80e-06	0.0	0.0

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438	64	-0.07	-0.06	-0.27	4.57e-06	0.0	0.0
438	74	0.06	-0.06	-0.27	5.96e-06	1.33e-06	0.0
438	77	0.20	0.05	-0.27	4.59e-06	0.0	0.0
438	96	-0.14	-0.13	-0.27	4.11e-06	0.0	0.0
438	110	0.0	0.0	-0.27	0.0	0.0	0.0
438	111	1.03e-05	-4.69e-03	-0.19	4.99e-06	0.0	0.0
438	112	1.03e-05	-4.69e-03	-0.27	4.99e-06	0.0	0.0
438	114	0.0	0.0	-0.27	0.0	0.0	0.0
438	115	1.03e-05	-4.69e-03	-0.19	4.99e-06	0.0	0.0
438	116	1.03e-05	-4.69e-03	-0.27	4.99e-06	0.0	0.0
438	118	0.0	0.0	-0.27	0.0	0.0	0.0
438	119	1.03e-05	-4.69e-03	-0.19	4.99e-06	0.0	0.0
438	120	1.03e-05	-4.69e-03	-0.27	4.99e-06	0.0	0.0
438	122	0.0	0.0	-0.27	0.0	0.0	0.0
438	123	1.03e-05	-4.69e-03	-0.19	4.99e-06	0.0	0.0
438	124	1.03e-05	-4.69e-03	-0.27	4.99e-06	0.0	0.0
439	2	0.0	0.0	-0.37	0.0	0.0	0.0
439	4	1.85e-05	-7.03e-03	-0.37	7.21e-06	1.09e-06	0.0
439	7	1.85e-05	-7.03e-03	-0.20	7.21e-06	1.09e-06	0.0
439	10	0.0	0.0	-0.30	0.0	0.0	0.0
439	13	0.21	0.05	-0.27	4.24e-06	0.0	0.0
439	32	-0.15	-0.13	-0.27	3.53e-06	0.0	0.0
439	42	0.13	-0.12	-0.27	7.46e-06	2.59e-06	0.0
439	45	0.10	0.02	-0.27	4.54e-06	0.0	0.0
439	64	-0.07	-0.06	-0.27	4.20e-06	0.0	0.0
439	74	0.06	-0.06	-0.27	6.08e-06	1.62e-06	0.0
439	77	0.21	0.05	-0.27	4.24e-06	0.0	0.0
439	96	-0.15	-0.13	-0.27	3.53e-06	0.0	0.0
439	110	0.0	0.0	-0.27	0.0	0.0	0.0
439	111	1.23e-05	-4.68e-03	-0.19	4.81e-06	0.0	0.0
439	112	1.23e-05	-4.68e-03	-0.27	4.81e-06	0.0	0.0
439	114	0.0	0.0	-0.27	0.0	0.0	0.0
439	115	1.23e-05	-4.68e-03	-0.19	4.81e-06	0.0	0.0
439	116	1.23e-05	-4.68e-03	-0.27	4.81e-06	0.0	0.0
439	118	0.0	0.0	-0.27	0.0	0.0	0.0
439	119	1.23e-05	-4.68e-03	-0.19	4.81e-06	0.0	0.0
439	120	1.23e-05	-4.68e-03	-0.27	4.81e-06	0.0	0.0
439	122	0.0	0.0	-0.27	0.0	0.0	0.0
439	123	1.23e-05	-4.68e-03	-0.19	4.81e-06	0.0	0.0
439	124	1.23e-05	-4.68e-03	-0.27	4.81e-06	0.0	0.0
440	4	2.19e-05	-7.02e-03	-0.37	6.87e-06	1.01e-06	0.0
440	7	2.19e-05	-7.02e-03	-0.20	6.87e-06	1.01e-06	0.0
440	12	1.90e-05	-6.09e-03	-0.30	5.96e-06	0.0	0.0
440	13	0.22	0.05	-0.27	3.88e-06	0.0	0.0
440	32	-0.16	-0.13	-0.27	2.95e-06	0.0	0.0
440	42	0.14	-0.12	-0.27	7.85e-06	3.36e-06	0.0
440	45	0.10	0.02	-0.27	4.25e-06	0.0	0.0
440	64	-0.08	-0.07	-0.27	3.80e-06	0.0	0.0
440	74	0.07	-0.06	-0.27	6.15e-06	1.96e-06	0.0
440	77	0.22	0.05	-0.27	3.88e-06	0.0	0.0
440	96	-0.16	-0.13	-0.27	2.95e-06	0.0	0.0
440	111	1.46e-05	-4.68e-03	-0.19	4.58e-06	0.0	0.0
440	112	1.46e-05	-4.68e-03	-0.27	4.58e-06	0.0	0.0
440	115	1.46e-05	-4.68e-03	-0.19	4.58e-06	0.0	0.0
440	116	1.46e-05	-4.68e-03	-0.27	4.58e-06	0.0	0.0
440	119	1.46e-05	-4.68e-03	-0.19	4.58e-06	0.0	0.0
440	120	1.46e-05	-4.68e-03	-0.27	4.58e-06	0.0	0.0
440	123	1.46e-05	-4.68e-03	-0.19	4.58e-06	0.0	0.0
440	124	1.46e-05	-4.68e-03	-0.27	4.58e-06	0.0	0.0
441	4	2.50e-05	-7.02e-03	-0.38	6.71e-06	0.0	0.0
441	7	2.49e-05	-7.02e-03	-0.20	6.71e-06	0.0	0.0
441	12	2.16e-05	-6.08e-03	-0.30	5.81e-06	0.0	0.0
441	13	0.22	0.05	-0.27	3.77e-06	-1.21e-06	0.0
441	32	-0.17	-0.13	-0.27	2.66e-06	0.0	0.0
441	42	0.15	-0.12	-0.28	7.99e-06	4.08e-06	0.0

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441	45	0.11	0.02	-0.27	4.14e-06	0.0	0.0
441	64	-0.08	-0.07	-0.27	3.61e-06	0.0	0.0
441	74	0.07	-0.06	-0.27	6.16e-06	2.29e-06	0.0
441	77	0.22	0.05	-0.27	3.77e-06	-1.21e-06	0.0
441	96	-0.17	-0.13	-0.27	2.66e-06	0.0	0.0
441	111	1.66e-05	-4.68e-03	-0.19	4.47e-06	0.0	0.0
441	112	1.66e-05	-4.68e-03	-0.27	4.47e-06	0.0	0.0
441	115	1.66e-05	-4.68e-03	-0.19	4.47e-06	0.0	0.0
441	116	1.66e-05	-4.68e-03	-0.27	4.47e-06	0.0	0.0
441	119	1.66e-05	-4.68e-03	-0.19	4.47e-06	0.0	0.0
441	120	1.66e-05	-4.68e-03	-0.27	4.47e-06	0.0	0.0
441	123	1.66e-05	-4.68e-03	-0.19	4.47e-06	0.0	0.0
441	124	1.66e-05	-4.68e-03	-0.27	4.47e-06	0.0	0.0
442	4	9.49e-04	-9.78e-03	-0.40	-1.37e-04	-5.12e-05	0.0
442	12	8.23e-04	-8.47e-03	-0.32	-1.18e-04	-4.43e-05	0.0
442	13	0.15	0.04	-0.29	-9.01e-05	-3.57e-05	0.0
442	32	-0.08	-0.13	-0.29	-8.89e-05	-3.20e-05	0.0
442	43	-0.07	0.11	-0.29	-9.40e-05	-3.50e-05	0.0
442	45	0.07	0.02	-0.29	-9.06e-05	-3.49e-05	0.0
442	64	-0.04	-0.07	-0.29	-9.00e-05	-3.31e-05	0.0
442	75	-0.03	0.05	-0.29	-9.25e-05	-3.45e-05	0.0
442	77	0.15	0.04	-0.29	-9.01e-05	-3.57e-05	0.0
442	96	-0.08	-0.13	-0.29	-8.89e-05	-3.20e-05	0.0
442	112	6.33e-04	-6.52e-03	-0.29	-9.10e-05	-3.41e-05	0.0
442	116	6.33e-04	-6.52e-03	-0.29	-9.10e-05	-3.41e-05	0.0
442	120	6.33e-04	-6.52e-03	-0.29	-9.10e-05	-3.41e-05	0.0
442	124	6.33e-04	-6.52e-03	-0.29	-9.10e-05	-3.41e-05	0.0
443	4	5.16e-04	-8.60e-03	-0.38	-7.29e-05	-2.64e-05	0.0
443	12	4.48e-04	-7.45e-03	-0.31	-6.32e-05	-2.28e-05	0.0
443	13	0.15	0.05	-0.28	-4.81e-05	-1.84e-05	0.0
443	32	-0.09	-0.13	-0.28	-4.68e-05	-1.60e-05	0.0
443	43	-0.07	0.11	-0.28	-5.11e-05	-1.81e-05	0.0
443	45	0.07	0.02	-0.28	-4.83e-05	-1.80e-05	0.0
443	64	-0.04	-0.07	-0.28	-4.77e-05	-1.68e-05	0.0
443	75	-0.04	0.05	-0.28	-4.98e-05	-1.78e-05	0.0
443	77	0.15	0.05	-0.28	-4.81e-05	-1.84e-05	0.0
443	96	-0.09	-0.13	-0.28	-4.68e-05	-1.60e-05	0.0
443	112	3.44e-04	-5.73e-03	-0.28	-4.86e-05	-1.76e-05	0.0
443	116	3.44e-04	-5.73e-03	-0.28	-4.86e-05	-1.76e-05	0.0
443	120	3.44e-04	-5.73e-03	-0.28	-4.86e-05	-1.76e-05	0.0
443	124	3.44e-04	-5.73e-03	-0.28	-4.86e-05	-1.76e-05	0.0
444	2	0.0	0.0	-0.37	0.0	0.0	0.0
444	4	2.55e-04	-7.83e-03	-0.37	-3.21e-05	-1.13e-05	0.0
444	10	0.0	0.0	-0.30	0.0	0.0	0.0
444	13	0.16	0.05	-0.27	-2.11e-05	-7.69e-06	0.0
444	32	-0.09	-0.13	-0.27	-2.00e-05	-6.58e-06	0.0
444	43	-0.08	0.11	-0.27	-2.34e-05	-7.98e-06	0.0
444	45	0.08	0.02	-0.27	-2.13e-05	-7.62e-06	0.0
444	64	-0.05	-0.07	-0.27	-2.07e-05	-7.09e-06	0.0
444	75	-0.04	0.05	-0.27	-2.24e-05	-7.75e-06	0.0
444	77	0.16	0.05	-0.27	-2.11e-05	-7.69e-06	0.0
444	96	-0.09	-0.13	-0.27	-2.00e-05	-6.58e-06	0.0
444	110	0.0	0.0	-0.27	0.0	0.0	0.0
444	112	1.70e-04	-5.22e-03	-0.27	-2.14e-05	-7.55e-06	0.0
444	114	0.0	0.0	-0.27	0.0	0.0	0.0
444	116	1.70e-04	-5.22e-03	-0.27	-2.14e-05	-7.55e-06	0.0
444	118	0.0	0.0	-0.27	0.0	0.0	0.0
444	120	1.70e-04	-5.22e-03	-0.27	-2.14e-05	-7.55e-06	0.0
444	122	0.0	0.0	-0.27	0.0	0.0	0.0
444	124	1.70e-04	-5.22e-03	-0.27	-2.14e-05	-7.55e-06	0.0
445	2	0.0	0.0	-0.37	0.0	0.0	0.0
445	4	1.15e-04	-7.39e-03	-0.37	-9.01e-06	-3.16e-06	0.0
445	10	0.0	0.0	-0.30	0.0	0.0	0.0
445	13	0.17	0.05	-0.27	-5.96e-06	-2.11e-06	0.0
445	32	-0.10	-0.14	-0.27	-5.16e-06	-1.54e-06	0.0

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445	43	-0.09	0.11	-0.27	-7.85e-06	-2.58e-06	0.0
445	45	0.08	0.02	-0.27	-5.99e-06	-2.11e-06	0.0
445	64	-0.05	-0.07	-0.27	-5.60e-06	-1.84e-06	0.0
445	75	-0.04	0.05	-0.27	-6.88e-06	-2.33e-06	0.0
445	77	0.17	0.05	-0.27	-5.96e-06	-2.11e-06	0.0
445	96	-0.10	-0.14	-0.27	-5.16e-06	-1.54e-06	0.0
445	110	0.0	0.0	-0.27	0.0	0.0	0.0
445	112	7.64e-05	-4.93e-03	-0.27	-6.01e-06	-2.11e-06	0.0
445	114	0.0	0.0	-0.27	0.0	0.0	0.0
445	116	7.64e-05	-4.93e-03	-0.27	-6.01e-06	-2.11e-06	0.0
445	118	0.0	0.0	-0.27	0.0	0.0	0.0
445	120	7.64e-05	-4.93e-03	-0.27	-6.01e-06	-2.11e-06	0.0
445	122	0.0	0.0	-0.27	0.0	0.0	0.0
445	124	7.64e-05	-4.93e-03	-0.27	-6.01e-06	-2.11e-06	0.0
446	2	0.0	0.0	-0.37	0.0	0.0	0.0
446	4	5.04e-05	-7.16e-03	-0.37	2.13e-06	0.0	0.0
446	7	5.04e-05	-7.16e-03	-0.20	2.13e-06	0.0	0.0
446	10	0.0	0.0	-0.30	0.0	0.0	0.0
446	13	0.18	0.06	-0.27	0.0	0.0	0.0
446	30	-0.02	-0.12	-0.27	1.71e-06	0.0	0.0
446	32	-0.11	-0.14	-0.27	1.90e-06	0.0	0.0
446	45	0.08	0.02	-0.27	1.21e-06	0.0	0.0
446	62	-9.76e-03	-0.06	-0.27	1.56e-06	0.0	0.0
446	64	-0.05	-0.07	-0.27	1.65e-06	0.0	0.0
446	77	0.18	0.06	-0.27	0.0	0.0	0.0
446	96	-0.11	-0.14	-0.27	1.90e-06	0.0	0.0
446	110	0.0	0.0	-0.27	0.0	0.0	0.0
446	111	3.36e-05	-4.77e-03	-0.19	1.42e-06	0.0	0.0
446	112	3.36e-05	-4.77e-03	-0.27	1.42e-06	0.0	0.0
446	114	0.0	0.0	-0.27	0.0	0.0	0.0
446	115	3.36e-05	-4.77e-03	-0.19	1.42e-06	0.0	0.0
446	116	3.36e-05	-4.77e-03	-0.27	1.42e-06	0.0	0.0
446	118	0.0	0.0	-0.27	0.0	0.0	0.0
446	119	3.36e-05	-4.77e-03	-0.19	1.42e-06	0.0	0.0
446	120	3.36e-05	-4.77e-03	-0.27	1.42e-06	0.0	0.0
446	122	0.0	0.0	-0.27	0.0	0.0	0.0
446	123	3.36e-05	-4.77e-03	-0.19	1.42e-06	0.0	0.0
446	124	3.36e-05	-4.77e-03	-0.27	1.42e-06	0.0	0.0
447	2	0.0	0.0	-0.37	0.0	0.0	0.0
447	4	2.91e-05	-7.06e-03	-0.37	6.34e-06	2.04e-06	0.0
447	7	2.91e-05	-7.06e-03	-0.20	6.34e-06	2.04e-06	0.0
447	10	0.0	0.0	-0.30	0.0	0.0	0.0
447	13	0.19	0.06	-0.27	3.61e-06	0.0	0.0
447	22	0.08	-0.07	-0.27	5.42e-06	2.05e-06	0.0
447	32	-0.12	-0.14	-0.27	3.88e-06	1.26e-06	0.0
447	45	0.09	0.03	-0.27	3.93e-06	1.14e-06	0.0
447	54	0.04	-0.04	-0.27	4.80e-06	1.69e-06	0.0
447	64	-0.06	-0.07	-0.27	4.06e-06	1.31e-06	0.0
447	77	0.19	0.06	-0.27	3.61e-06	0.0	0.0
447	96	-0.12	-0.14	-0.27	3.88e-06	1.26e-06	0.0
447	110	0.0	0.0	-0.27	0.0	0.0	0.0
447	111	1.94e-05	-4.71e-03	-0.19	4.23e-06	1.36e-06	0.0
447	112	1.94e-05	-4.71e-03	-0.27	4.23e-06	1.36e-06	0.0
447	114	0.0	0.0	-0.27	0.0	0.0	0.0
447	115	1.94e-05	-4.71e-03	-0.19	4.23e-06	1.36e-06	0.0
447	116	1.94e-05	-4.71e-03	-0.27	4.23e-06	1.36e-06	0.0
447	118	0.0	0.0	-0.27	0.0	0.0	0.0
447	119	1.94e-05	-4.71e-03	-0.19	4.23e-06	1.36e-06	0.0
447	120	1.94e-05	-4.71e-03	-0.27	4.23e-06	1.36e-06	0.0
447	122	0.0	0.0	-0.27	0.0	0.0	0.0
447	123	1.94e-05	-4.71e-03	-0.19	4.23e-06	1.36e-06	0.0
447	124	1.94e-05	-4.71e-03	-0.27	4.23e-06	1.36e-06	0.0
448	2	0.0	0.0	-0.37	0.0	0.0	0.0
448	4	2.81e-05	-7.03e-03	-0.37	7.19e-06	2.28e-06	0.0
448	7	2.81e-05	-7.03e-03	-0.20	7.19e-06	2.28e-06	0.0

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448	10	0.0	0.0	-0.30	0.0	0.0	0.0
448	13	0.19	0.06	-0.27	3.80e-06	0.0	0.0
448	26	0.13	-0.06	-0.27	7.24e-06	3.24e-06	0.0
448	32	-0.13	-0.14	-0.27	4.05e-06	1.05e-06	0.0
448	45	0.09	0.03	-0.27	4.32e-06	1.16e-06	0.0
448	58	0.06	-0.03	-0.27	5.97e-06	2.34e-06	0.0
448	64	-0.06	-0.07	-0.27	4.44e-06	1.29e-06	0.0
448	77	0.19	0.06	-0.27	3.80e-06	0.0	0.0
448	96	-0.13	-0.14	-0.27	4.05e-06	1.05e-06	0.0
448	110	0.0	0.0	-0.27	0.0	0.0	0.0
448	111	1.87e-05	-4.68e-03	-0.19	4.80e-06	1.52e-06	0.0
448	112	1.87e-05	-4.68e-03	-0.27	4.80e-06	1.52e-06	0.0
448	114	0.0	0.0	-0.27	0.0	0.0	0.0
448	115	1.87e-05	-4.68e-03	-0.19	4.80e-06	1.52e-06	0.0
448	116	1.87e-05	-4.68e-03	-0.27	4.80e-06	1.52e-06	0.0
448	118	0.0	0.0	-0.27	0.0	0.0	0.0
448	119	1.87e-05	-4.68e-03	-0.19	4.80e-06	1.52e-06	0.0
448	120	1.87e-05	-4.68e-03	-0.27	4.80e-06	1.52e-06	0.0
448	122	0.0	0.0	-0.27	0.0	0.0	0.0
448	123	1.87e-05	-4.68e-03	-0.19	4.80e-06	1.52e-06	0.0
448	124	1.87e-05	-4.68e-03	-0.27	4.80e-06	1.52e-06	0.0
449	2	0.0	0.0	-0.37	0.0	0.0	0.0
449	4	3.40e-05	-7.01e-03	-0.37	6.92e-06	2.14e-06	0.0
449	7	3.40e-05	-7.01e-03	-0.20	6.92e-06	2.14e-06	0.0
449	10	0.0	0.0	-0.30	0.0	0.0	0.0
449	13	0.20	0.06	-0.27	3.20e-06	0.0	0.0
449	32	-0.14	-0.14	-0.27	3.51e-06	0.0	0.0
449	42	0.12	-0.12	-0.27	8.06e-06	3.86e-06	0.0
449	45	0.10	0.03	-0.27	3.93e-06	0.0	0.0
449	64	-0.07	-0.07	-0.27	4.09e-06	1.02e-06	0.0
449	74	0.06	-0.06	-0.27	6.26e-06	2.59e-06	0.0
449	77	0.20	0.06	-0.27	3.20e-06	0.0	0.0
449	96	-0.14	-0.14	-0.27	3.51e-06	0.0	0.0
449	110	0.0	0.0	-0.27	0.0	0.0	0.0
449	111	2.27e-05	-4.68e-03	-0.19	4.61e-06	1.43e-06	0.0
449	112	2.27e-05	-4.68e-03	-0.27	4.61e-06	1.43e-06	0.0
449	114	0.0	0.0	-0.27	0.0	0.0	0.0
449	115	2.27e-05	-4.68e-03	-0.19	4.61e-06	1.43e-06	0.0
449	116	2.27e-05	-4.68e-03	-0.27	4.61e-06	1.43e-06	0.0
449	118	0.0	0.0	-0.27	0.0	0.0	0.0
449	119	2.27e-05	-4.68e-03	-0.19	4.61e-06	1.43e-06	0.0
449	120	2.27e-05	-4.68e-03	-0.27	4.61e-06	1.43e-06	0.0
449	122	0.0	0.0	-0.27	0.0	0.0	0.0
449	123	2.27e-05	-4.68e-03	-0.19	4.61e-06	1.43e-06	0.0
449	124	2.27e-05	-4.68e-03	-0.27	4.61e-06	1.43e-06	0.0
450	4	4.05e-05	-7.01e-03	-0.37	6.61e-06	1.99e-06	0.0
450	7	4.05e-05	-7.01e-03	-0.20	6.61e-06	1.99e-06	0.0
450	12	3.51e-05	-6.07e-03	-0.30	5.73e-06	1.73e-06	0.0
450	13	0.21	0.07	-0.27	2.63e-06	0.0	0.0
450	32	-0.15	-0.15	-0.27	3.04e-06	0.0	0.0
450	42	0.13	-0.12	-0.27	8.57e-06	4.61e-06	0.0
450	45	0.10	0.03	-0.27	3.55e-06	0.0	0.0
450	64	-0.07	-0.07	-0.27	3.76e-06	0.0	0.0
450	74	0.06	-0.06	-0.27	6.40e-06	2.90e-06	0.0
450	77	0.21	0.07	-0.27	2.63e-06	0.0	0.0
450	96	-0.15	-0.15	-0.27	3.04e-06	0.0	0.0
450	111	2.70e-05	-4.67e-03	-0.19	4.40e-06	1.33e-06	0.0
450	112	2.70e-05	-4.67e-03	-0.27	4.40e-06	1.33e-06	0.0
450	115	2.70e-05	-4.67e-03	-0.19	4.40e-06	1.33e-06	0.0
450	116	2.70e-05	-4.67e-03	-0.27	4.40e-06	1.33e-06	0.0
450	119	2.70e-05	-4.67e-03	-0.19	4.40e-06	1.33e-06	0.0
450	120	2.70e-05	-4.67e-03	-0.27	4.40e-06	1.33e-06	0.0
450	123	2.70e-05	-4.67e-03	-0.19	4.40e-06	1.33e-06	0.0
450	124	2.70e-05	-4.67e-03	-0.27	4.40e-06	1.33e-06	0.0
451	4	4.64e-05	-7.00e-03	-0.38	6.46e-06	1.90e-06	0.0

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451	7	4.64e-05	-7.00e-03	-0.20	6.46e-06	1.90e-06	0.0
451	12	4.02e-05	-6.07e-03	-0.30	5.60e-06	1.65e-06	0.0
451	13	0.22	0.07	-0.27	2.45e-06	0.0	0.0
451	32	-0.16	-0.15	-0.27	2.83e-06	0.0	0.0
451	42	0.14	-0.12	-0.28	8.73e-06	5.25e-06	0.0
451	45	0.11	0.03	-0.27	3.41e-06	0.0	0.0
451	64	-0.08	-0.07	-0.27	3.61e-06	0.0	0.0
451	74	0.07	-0.06	-0.27	6.43e-06	3.17e-06	0.0
451	77	0.22	0.07	-0.27	2.45e-06	0.0	0.0
451	96	-0.16	-0.15	-0.27	2.83e-06	0.0	0.0
451	111	3.09e-05	-4.67e-03	-0.19	4.31e-06	1.27e-06	0.0
451	112	3.09e-05	-4.67e-03	-0.27	4.31e-06	1.27e-06	0.0
451	115	3.09e-05	-4.67e-03	-0.19	4.31e-06	1.27e-06	0.0
451	116	3.09e-05	-4.67e-03	-0.27	4.31e-06	1.27e-06	0.0
451	119	3.09e-05	-4.67e-03	-0.19	4.31e-06	1.27e-06	0.0
451	120	3.09e-05	-4.67e-03	-0.27	4.31e-06	1.27e-06	0.0
451	123	3.09e-05	-4.67e-03	-0.19	4.31e-06	1.27e-06	0.0
451	124	3.09e-05	-4.67e-03	-0.27	4.31e-06	1.27e-06	0.0
452	4	1.15e-03	-9.24e-03	-0.39	-1.08e-04	-6.16e-05	0.0
452	12	9.97e-04	-8.01e-03	-0.32	-9.38e-05	-5.34e-05	0.0
452	13	0.14	0.05	-0.28	-7.07e-05	-4.21e-05	0.0
452	32	-0.07	-0.14	-0.28	-7.08e-05	-3.88e-05	0.0
452	43	-0.07	0.11	-0.28	-7.46e-05	-4.25e-05	0.0
452	45	0.07	0.02	-0.28	-7.15e-05	-4.16e-05	0.0
452	64	-0.04	-0.07	-0.28	-7.15e-05	-4.00e-05	0.0
452	75	-0.03	0.05	-0.28	-7.33e-05	-4.18e-05	0.0
452	77	0.14	0.05	-0.28	-7.07e-05	-4.21e-05	0.0
452	96	-0.07	-0.14	-0.28	-7.08e-05	-3.88e-05	0.0
452	112	7.67e-04	-6.16e-03	-0.28	-7.22e-05	-4.11e-05	0.0
452	116	7.67e-04	-6.16e-03	-0.28	-7.22e-05	-4.11e-05	0.0
452	120	7.67e-04	-6.16e-03	-0.28	-7.22e-05	-4.11e-05	0.0
452	124	7.67e-04	-6.16e-03	-0.28	-7.22e-05	-4.11e-05	0.0
453	4	6.25e-04	-8.28e-03	-0.38	-5.68e-05	-3.15e-05	0.0
453	12	5.42e-04	-7.18e-03	-0.31	-4.92e-05	-2.73e-05	0.0
453	13	0.15	0.06	-0.28	-3.69e-05	-2.13e-05	0.0
453	32	-0.08	-0.14	-0.28	-3.66e-05	-1.94e-05	0.0
453	43	-0.07	0.11	-0.28	-4.00e-05	-2.21e-05	0.0
453	45	0.07	0.02	-0.28	-3.74e-05	-2.11e-05	0.0
453	64	-0.04	-0.07	-0.28	-3.73e-05	-2.02e-05	0.0
453	75	-0.03	0.05	-0.28	-3.89e-05	-2.15e-05	0.0
453	77	0.15	0.06	-0.28	-3.69e-05	-2.13e-05	0.0
453	96	-0.08	-0.14	-0.28	-3.66e-05	-1.94e-05	0.0
453	112	4.17e-04	-5.52e-03	-0.28	-3.79e-05	-2.10e-05	0.0
453	116	4.17e-04	-5.52e-03	-0.28	-3.79e-05	-2.10e-05	0.0
453	120	4.17e-04	-5.52e-03	-0.28	-3.79e-05	-2.10e-05	0.0
453	124	4.17e-04	-5.52e-03	-0.28	-3.79e-05	-2.10e-05	0.0
454	2	0.0	0.0	-0.37	0.0	0.0	0.0
454	4	3.08e-04	-7.66e-03	-0.37	-2.42e-05	-1.32e-05	0.0
454	10	0.0	0.0	-0.30	0.0	0.0	0.0
454	13	0.16	0.06	-0.27	-1.56e-05	-8.87e-06	0.0
454	32	-0.09	-0.14	-0.27	-1.52e-05	-7.74e-06	0.0
454	43	-0.08	0.11	-0.27	-1.80e-05	-9.67e-06	0.0
454	45	0.08	0.03	-0.27	-1.58e-05	-8.82e-06	0.0
454	64	-0.04	-0.07	-0.27	-1.57e-05	-8.28e-06	0.0
454	75	-0.04	0.05	-0.27	-1.70e-05	-9.20e-06	0.0
454	77	0.16	0.06	-0.27	-1.56e-05	-8.87e-06	0.0
454	96	-0.09	-0.14	-0.27	-1.52e-05	-7.74e-06	0.0
454	110	0.0	0.0	-0.27	0.0	0.0	0.0
454	112	2.05e-04	-5.11e-03	-0.27	-1.61e-05	-8.78e-06	0.0
454	114	0.0	0.0	-0.27	0.0	0.0	0.0
454	116	2.05e-04	-5.11e-03	-0.27	-1.61e-05	-8.78e-06	0.0
454	118	0.0	0.0	-0.27	0.0	0.0	0.0
454	120	2.05e-04	-5.11e-03	-0.27	-1.61e-05	-8.78e-06	0.0
454	122	0.0	0.0	-0.27	0.0	0.0	0.0
454	124	2.05e-04	-5.11e-03	-0.27	-1.61e-05	-8.78e-06	0.0

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455	2	0.0	0.0	-0.37	0.0	0.0	0.0
455	4	1.37e-04	-7.31e-03	-0.37	-5.87e-06	-3.22e-06	0.0
455	10	0.0	0.0	-0.30	0.0	0.0	0.0
455	13	0.17	0.06	-0.27	-3.70e-06	-2.11e-06	0.0
455	32	-0.10	-0.14	-0.27	-3.43e-06	-1.60e-06	0.0
455	43	-0.09	0.11	-0.27	-5.74e-06	-3.09e-06	0.0
455	45	0.08	0.03	-0.27	-3.81e-06	-2.13e-06	0.0
455	64	-0.05	-0.07	-0.27	-3.68e-06	-1.89e-06	0.0
455	75	-0.04	0.05	-0.27	-4.79e-06	-2.59e-06	0.0
455	77	0.17	0.06	-0.27	-3.70e-06	-2.11e-06	0.0
455	96	-0.10	-0.14	-0.27	-3.43e-06	-1.60e-06	0.0
455	110	0.0	0.0	-0.27	0.0	0.0	0.0
455	112	9.14e-05	-4.87e-03	-0.27	-3.91e-06	-2.14e-06	0.0
455	114	0.0	0.0	-0.27	0.0	0.0	0.0
455	116	9.14e-05	-4.87e-03	-0.27	-3.91e-06	-2.14e-06	0.0
455	118	0.0	0.0	-0.27	0.0	0.0	0.0
455	120	9.14e-05	-4.87e-03	-0.27	-3.91e-06	-2.14e-06	0.0
455	122	0.0	0.0	-0.27	0.0	0.0	0.0
455	124	9.14e-05	-4.87e-03	-0.27	-3.91e-06	-2.14e-06	0.0
456	2	0.0	0.0	-0.37	0.0	0.0	0.0
456	4	5.97e-05	-7.12e-03	-0.37	2.89e-06	1.42e-06	0.0
456	10	0.0	0.0	-0.30	0.0	0.0	0.0
456	13	0.17	0.07	-0.27	1.52e-06	0.0	0.0
456	30	-0.02	-0.13	-0.27	1.68e-06	0.0	0.0
456	32	-0.11	-0.15	-0.27	1.95e-06	1.20e-06	0.0
456	45	0.08	0.03	-0.27	1.73e-06	0.0	0.0
456	62	-8.51e-03	-0.06	-0.27	1.81e-06	0.0	0.0
456	64	-0.05	-0.07	-0.27	1.94e-06	1.07e-06	0.0
456	77	0.17	0.07	-0.27	1.52e-06	0.0	0.0
456	96	-0.11	-0.15	-0.27	1.95e-06	1.20e-06	0.0
456	110	0.0	0.0	-0.27	0.0	0.0	0.0
456	112	3.98e-05	-4.75e-03	-0.27	1.93e-06	0.0	0.0
456	114	0.0	0.0	-0.27	0.0	0.0	0.0
456	116	3.98e-05	-4.75e-03	-0.27	1.93e-06	0.0	0.0
456	118	0.0	0.0	-0.27	0.0	0.0	0.0
456	120	3.98e-05	-4.75e-03	-0.27	1.93e-06	0.0	0.0
456	122	0.0	0.0	-0.27	0.0	0.0	0.0
456	124	3.98e-05	-4.75e-03	-0.27	1.93e-06	0.0	0.0
457	2	0.0	0.0	-0.37	0.0	0.0	0.0
457	4	3.51e-05	-7.04e-03	-0.37	6.13e-06	3.07e-06	0.0
457	7	3.51e-05	-7.04e-03	-0.20	6.13e-06	3.07e-06	0.0
457	10	0.0	0.0	-0.30	0.0	0.0	0.0
457	13	0.18	0.07	-0.27	3.26e-06	1.46e-06	0.0
457	26	0.12	-0.07	-0.27	6.50e-06	3.61e-06	0.0
457	32	-0.12	-0.15	-0.27	3.66e-06	1.76e-06	0.0
457	45	0.09	0.03	-0.27	3.69e-06	1.77e-06	0.0
457	58	0.06	-0.04	-0.27	5.24e-06	2.79e-06	0.0
457	64	-0.06	-0.07	-0.27	3.88e-06	1.91e-06	0.0
457	77	0.18	0.07	-0.27	3.26e-06	1.46e-06	0.0
457	96	-0.12	-0.15	-0.27	3.66e-06	1.76e-06	0.0
457	110	0.0	0.0	-0.27	0.0	0.0	0.0
457	111	2.34e-05	-4.69e-03	-0.19	4.09e-06	2.04e-06	0.0
457	112	2.34e-05	-4.69e-03	-0.27	4.09e-06	2.04e-06	0.0
457	114	0.0	0.0	-0.27	0.0	0.0	0.0
457	115	2.34e-05	-4.69e-03	-0.19	4.09e-06	2.04e-06	0.0
457	116	2.34e-05	-4.69e-03	-0.27	4.09e-06	2.04e-06	0.0
457	118	0.0	0.0	-0.27	0.0	0.0	0.0
457	119	2.34e-05	-4.69e-03	-0.19	4.09e-06	2.04e-06	0.0
457	120	2.34e-05	-4.69e-03	-0.27	4.09e-06	2.04e-06	0.0
457	122	0.0	0.0	-0.27	0.0	0.0	0.0
457	123	2.34e-05	-4.69e-03	-0.19	4.09e-06	2.04e-06	0.0
457	124	2.34e-05	-4.69e-03	-0.27	4.09e-06	2.04e-06	0.0
458	2	0.0	0.0	-0.37	0.0	0.0	0.0
458	4	3.53e-05	-7.01e-03	-0.37	6.72e-06	3.31e-06	0.0
458	7	3.53e-05	-7.01e-03	-0.20	6.72e-06	3.31e-06	0.0

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458	10	0.0	0.0	-0.30	0.0	0.0	0.0
458	13	0.19	0.08	-0.27	3.13e-06	1.27e-06	0.0
458	26	0.13	-0.08	-0.27	7.63e-06	4.53e-06	0.0
458	32	-0.13	-0.15	-0.27	3.62e-06	1.49e-06	0.0
458	45	0.09	0.03	-0.27	3.83e-06	1.76e-06	0.0
458	58	0.06	-0.04	-0.27	5.98e-06	3.31e-06	0.0
458	64	-0.06	-0.08	-0.27	4.07e-06	1.86e-06	0.0
458	77	0.19	0.08	-0.27	3.13e-06	1.27e-06	0.0
458	96	-0.13	-0.15	-0.27	3.62e-06	1.49e-06	0.0
458	110	0.0	0.0	-0.27	0.0	0.0	0.0
458	111	2.36e-05	-4.67e-03	-0.19	4.48e-06	2.21e-06	0.0
458	112	2.36e-05	-4.67e-03	-0.27	4.48e-06	2.21e-06	0.0
458	114	0.0	0.0	-0.27	0.0	0.0	0.0
458	115	2.36e-05	-4.67e-03	-0.19	4.48e-06	2.21e-06	0.0
458	116	2.36e-05	-4.67e-03	-0.27	4.48e-06	2.21e-06	0.0
458	118	0.0	0.0	-0.27	0.0	0.0	0.0
458	119	2.36e-05	-4.67e-03	-0.19	4.48e-06	2.21e-06	0.0
458	120	2.36e-05	-4.67e-03	-0.27	4.48e-06	2.21e-06	0.0
458	122	0.0	0.0	-0.27	0.0	0.0	0.0
458	123	2.36e-05	-4.67e-03	-0.19	4.48e-06	2.21e-06	0.0
458	124	2.36e-05	-4.67e-03	-0.27	4.48e-06	2.21e-06	0.0
459	2	0.0	0.0	-0.37	0.0	0.0	0.0
459	4	4.40e-05	-6.99e-03	-0.37	6.45e-06	3.11e-06	0.0
459	7	4.39e-05	-6.99e-03	-0.20	6.45e-06	3.11e-06	0.0
459	10	0.0	0.0	-0.30	0.0	0.0	0.0
459	13	0.20	0.08	-0.27	2.38e-06	0.0	0.0
459	26	0.13	-0.08	-0.27	8.30e-06	5.26e-06	0.0
459	32	-0.14	-0.16	-0.27	3.08e-06	0.0	0.0
459	45	0.09	0.04	-0.27	3.38e-06	1.42e-06	0.0
459	58	0.06	-0.04	-0.27	6.21e-06	3.60e-06	0.0
459	64	-0.07	-0.08	-0.27	3.72e-06	1.51e-06	0.0
459	77	0.20	0.08	-0.27	2.38e-06	0.0	0.0
459	96	-0.14	-0.16	-0.27	3.08e-06	0.0	0.0
459	110	0.0	0.0	-0.27	0.0	0.0	0.0
459	111	2.93e-05	-4.66e-03	-0.19	4.30e-06	2.07e-06	0.0
459	112	2.93e-05	-4.66e-03	-0.27	4.30e-06	2.07e-06	0.0
459	114	0.0	0.0	-0.27	0.0	0.0	0.0
459	115	2.93e-05	-4.66e-03	-0.19	4.30e-06	2.07e-06	0.0
459	116	2.93e-05	-4.66e-03	-0.27	4.30e-06	2.07e-06	0.0
459	118	0.0	0.0	-0.27	0.0	0.0	0.0
459	119	2.93e-05	-4.66e-03	-0.19	4.30e-06	2.07e-06	0.0
459	120	2.93e-05	-4.66e-03	-0.27	4.30e-06	2.07e-06	0.0
459	122	0.0	0.0	-0.27	0.0	0.0	0.0
459	123	2.93e-05	-4.66e-03	-0.19	4.30e-06	2.07e-06	0.0
459	124	2.93e-05	-4.66e-03	-0.27	4.30e-06	2.07e-06	0.0
460	4	5.30e-05	-6.99e-03	-0.37	6.18e-06	2.90e-06	0.0
460	7	5.30e-05	-6.99e-03	-0.20	6.18e-06	2.90e-06	0.0
460	12	4.59e-05	-6.06e-03	-0.30	5.36e-06	2.51e-06	0.0
460	13	0.20	0.09	-0.27	1.71e-06	0.0	0.0
460	26	0.14	-0.08	-0.27	8.85e-06	6.00e-06	0.0
460	32	-0.15	-0.16	-0.27	2.67e-06	0.0	0.0
460	45	0.10	0.04	-0.27	2.96e-06	1.08e-06	0.0
460	58	0.07	-0.04	-0.27	6.38e-06	3.88e-06	0.0
460	64	-0.07	-0.08	-0.27	3.43e-06	1.15e-06	0.0
460	77	0.20	0.09	-0.27	1.71e-06	0.0	0.0
460	96	-0.15	-0.16	-0.27	2.67e-06	0.0	0.0
460	111	3.53e-05	-4.66e-03	-0.19	4.12e-06	1.93e-06	0.0
460	112	3.53e-05	-4.66e-03	-0.27	4.12e-06	1.93e-06	0.0
460	115	3.53e-05	-4.66e-03	-0.19	4.12e-06	1.93e-06	0.0
460	116	3.53e-05	-4.66e-03	-0.27	4.12e-06	1.93e-06	0.0
460	119	3.53e-05	-4.66e-03	-0.19	4.12e-06	1.93e-06	0.0
460	120	3.53e-05	-4.66e-03	-0.27	4.12e-06	1.93e-06	0.0
460	123	3.53e-05	-4.66e-03	-0.19	4.12e-06	1.93e-06	0.0
460	124	3.53e-05	-4.66e-03	-0.27	4.12e-06	1.93e-06	0.0
461	4	6.11e-05	-6.98e-03	-0.37	6.07e-06	2.78e-06	0.0

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461	7	6.11e-05	-6.98e-03	-0.20	6.07e-06	2.78e-06	0.0
461	12	5.29e-05	-6.05e-03	-0.30	5.26e-06	2.41e-06	0.0
461	13	0.21	0.09	-0.27	1.46e-06	0.0	0.0
461	26	0.14	-0.09	-0.28	9.00e-06	6.53e-06	0.0
461	32	-0.15	-0.16	-0.27	2.53e-06	0.0	0.0
461	45	0.10	0.04	-0.27	2.80e-06	0.0	0.0
461	58	0.07	-0.04	-0.27	6.41e-06	4.09e-06	0.0
461	64	-0.07	-0.08	-0.27	3.32e-06	0.0	0.0
461	77	0.21	0.09	-0.27	1.46e-06	0.0	0.0
461	96	-0.15	-0.16	-0.27	2.53e-06	0.0	0.0
461	111	4.07e-05	-4.65e-03	-0.19	4.04e-06	1.85e-06	0.0
461	112	4.07e-05	-4.65e-03	-0.27	4.04e-06	1.85e-06	0.0
461	115	4.07e-05	-4.65e-03	-0.19	4.04e-06	1.85e-06	0.0
461	116	4.07e-05	-4.65e-03	-0.27	4.04e-06	1.85e-06	0.0
461	119	4.07e-05	-4.65e-03	-0.19	4.04e-06	1.85e-06	0.0
461	120	4.07e-05	-4.65e-03	-0.27	4.04e-06	1.85e-06	0.0
461	123	4.07e-05	-4.65e-03	-0.19	4.04e-06	1.85e-06	0.0
461	124	4.07e-05	-4.65e-03	-0.27	4.04e-06	1.85e-06	0.0
462	4	1.15e-03	-8.69e-03	-0.39	-7.93e-05	-6.13e-05	0.0
462	12	1.00e-03	-7.53e-03	-0.31	-6.87e-05	-5.31e-05	0.0
462	13	0.14	0.06	-0.28	-5.11e-05	-4.10e-05	0.0
462	32	-0.07	-0.14	-0.28	-5.21e-05	-3.88e-05	0.0
462	43	-0.06	0.11	-0.28	-5.46e-05	-4.27e-05	0.0
462	45	0.07	0.03	-0.28	-5.20e-05	-4.09e-05	0.0
462	64	-0.03	-0.07	-0.28	-5.25e-05	-3.99e-05	0.0
462	75	-0.03	0.05	-0.28	-5.37e-05	-4.17e-05	0.0
462	77	0.14	0.06	-0.28	-5.11e-05	-4.10e-05	0.0
462	96	-0.07	-0.14	-0.28	-5.21e-05	-3.88e-05	0.0
462	112	7.70e-04	-5.79e-03	-0.28	-5.29e-05	-4.08e-05	0.0
462	116	7.70e-04	-5.79e-03	-0.28	-5.29e-05	-4.08e-05	0.0
462	120	7.70e-04	-5.79e-03	-0.28	-5.29e-05	-4.08e-05	0.0
462	124	7.70e-04	-5.79e-03	-0.28	-5.29e-05	-4.08e-05	0.0
463	4	6.25e-04	-7.96e-03	-0.38	-4.04e-05	-3.08e-05	0.0
463	12	5.41e-04	-6.89e-03	-0.30	-3.50e-05	-2.67e-05	0.0
463	13	0.15	0.07	-0.27	-2.58e-05	-2.05e-05	0.0
463	32	-0.08	-0.15	-0.27	-2.62e-05	-1.91e-05	0.0
463	43	-0.07	0.11	-0.28	-2.85e-05	-2.19e-05	0.0
463	45	0.07	0.03	-0.27	-2.64e-05	-2.05e-05	0.0
463	64	-0.04	-0.07	-0.27	-2.66e-05	-1.98e-05	0.0
463	75	-0.03	0.05	-0.27	-2.77e-05	-2.12e-05	0.0
463	77	0.15	0.07	-0.27	-2.58e-05	-2.05e-05	0.0
463	96	-0.08	-0.15	-0.27	-2.62e-05	-1.91e-05	0.0
463	112	4.16e-04	-5.30e-03	-0.27	-2.69e-05	-2.05e-05	0.0
463	116	4.16e-04	-5.30e-03	-0.27	-2.69e-05	-2.05e-05	0.0
463	120	4.16e-04	-5.30e-03	-0.27	-2.69e-05	-2.05e-05	0.0
463	124	4.16e-04	-5.30e-03	-0.27	-2.69e-05	-2.05e-05	0.0
464	2	0.0	0.0	-0.37	0.0	0.0	0.0
464	4	3.04e-04	-7.49e-03	-0.37	-1.62e-05	-1.22e-05	0.0
464	10	0.0	0.0	-0.30	0.0	0.0	0.0
464	13	0.16	0.07	-0.27	-1.01e-05	-8.08e-06	0.0
464	32	-0.09	-0.15	-0.27	-1.03e-05	-7.26e-06	0.0
464	43	-0.08	0.11	-0.27	-1.23e-05	-9.43e-06	0.0
464	45	0.07	0.03	-0.27	-1.04e-05	-8.12e-06	0.0
464	64	-0.04	-0.07	-0.27	-1.05e-05	-7.73e-06	0.0
464	75	-0.04	0.05	-0.27	-1.15e-05	-8.77e-06	0.0
464	77	0.16	0.07	-0.27	-1.01e-05	-8.08e-06	0.0
464	96	-0.09	-0.15	-0.27	-1.03e-05	-7.26e-06	0.0
464	110	0.0	0.0	-0.27	0.0	0.0	0.0
464	112	2.03e-04	-4.99e-03	-0.27	-1.08e-05	-8.16e-06	0.0
464	114	0.0	0.0	-0.27	0.0	0.0	0.0
464	116	2.03e-04	-4.99e-03	-0.27	-1.08e-05	-8.16e-06	0.0
464	118	0.0	0.0	-0.27	0.0	0.0	0.0
464	120	2.03e-04	-4.99e-03	-0.27	-1.08e-05	-8.16e-06	0.0
464	122	0.0	0.0	-0.27	0.0	0.0	0.0
464	124	2.03e-04	-4.99e-03	-0.27	-1.08e-05	-8.16e-06	0.0

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465	2	0.0	0.0	-0.37	0.0	0.0	0.0
465	4	1.33e-04	-7.22e-03	-0.37	-2.78e-06	-2.19e-06	0.0
465	10	0.0	0.0	-0.30	0.0	0.0	0.0
465	13	0.16	0.08	-0.27	-1.57e-06	-1.37e-06	0.0
465	32	-0.10	-0.15	-0.27	-1.68e-06	-1.06e-06	0.0
465	43	-0.08	0.11	-0.27	-3.58e-06	-2.83e-06	0.0
465	45	0.08	0.03	-0.27	-1.72e-06	-1.42e-06	0.0
465	64	-0.05	-0.08	-0.27	-1.77e-06	-1.27e-06	0.0
465	75	-0.04	0.05	-0.27	-2.67e-06	-2.11e-06	0.0
465	77	0.16	0.08	-0.27	-1.57e-06	-1.37e-06	0.0
465	96	-0.10	-0.15	-0.27	-1.68e-06	-1.06e-06	0.0
465	110	0.0	0.0	-0.27	0.0	0.0	0.0
465	112	8.84e-05	-4.81e-03	-0.27	-1.85e-06	-1.46e-06	0.0
465	114	0.0	0.0	-0.27	0.0	0.0	0.0
465	116	8.84e-05	-4.81e-03	-0.27	-1.85e-06	-1.46e-06	0.0
465	118	0.0	0.0	-0.27	0.0	0.0	0.0
465	120	8.84e-05	-4.81e-03	-0.27	-1.85e-06	-1.46e-06	0.0
465	122	0.0	0.0	-0.27	0.0	0.0	0.0
465	124	8.84e-05	-4.81e-03	-0.27	-1.85e-06	-1.46e-06	0.0
466	2	0.0	0.0	-0.37	0.0	0.0	0.0
466	4	5.61e-05	-7.08e-03	-0.37	3.51e-06	2.45e-06	0.0
466	7	5.61e-05	-7.08e-03	-0.20	3.51e-06	2.45e-06	0.0
466	10	0.0	0.0	-0.30	0.0	0.0	0.0
466	13	0.17	0.08	-0.27	1.93e-06	1.25e-06	0.0
466	30	-0.01	-0.13	-0.27	1.84e-06	1.23e-06	0.0
466	32	-0.10	-0.16	-0.27	2.15e-06	1.51e-06	0.0
466	45	0.08	0.04	-0.27	2.15e-06	1.45e-06	0.0
466	62	-6.81e-03	-0.07	-0.27	2.10e-06	1.44e-06	0.0
466	64	-0.05	-0.08	-0.27	2.25e-06	1.58e-06	0.0
466	77	0.17	0.08	-0.27	1.93e-06	1.25e-06	0.0
466	96	-0.10	-0.16	-0.27	2.15e-06	1.51e-06	0.0
466	110	0.0	0.0	-0.27	0.0	0.0	0.0
466	111	3.74e-05	-4.72e-03	-0.19	2.34e-06	1.64e-06	0.0
466	112	3.74e-05	-4.72e-03	-0.27	2.34e-06	1.64e-06	0.0
466	114	0.0	0.0	-0.27	0.0	0.0	0.0
466	115	3.74e-05	-4.72e-03	-0.19	2.34e-06	1.64e-06	0.0
466	116	3.74e-05	-4.72e-03	-0.27	2.34e-06	1.64e-06	0.0
466	118	0.0	0.0	-0.27	0.0	0.0	0.0
466	119	3.74e-05	-4.72e-03	-0.19	2.34e-06	1.64e-06	0.0
466	120	3.74e-05	-4.72e-03	-0.27	2.34e-06	1.64e-06	0.0
466	122	0.0	0.0	-0.27	0.0	0.0	0.0
466	123	3.74e-05	-4.72e-03	-0.19	2.34e-06	1.64e-06	0.0
466	124	3.74e-05	-4.72e-03	-0.27	2.34e-06	1.64e-06	0.0
467	2	0.0	0.0	-0.37	0.0	0.0	0.0
467	4	3.32e-05	-7.01e-03	-0.37	5.76e-06	4.05e-06	0.0
467	7	3.32e-05	-7.01e-03	-0.20	5.76e-06	4.05e-06	0.0
467	10	0.0	0.0	-0.30	0.0	0.0	0.0
467	13	0.17	0.09	-0.27	2.94e-06	1.99e-06	0.0
467	26	0.12	-0.08	-0.27	6.53e-06	4.83e-06	0.0
467	32	-0.11	-0.16	-0.27	3.21e-06	2.14e-06	0.0
467	45	0.08	0.04	-0.27	3.41e-06	2.36e-06	0.0
467	58	0.06	-0.04	-0.27	5.12e-06	3.72e-06	0.0
467	64	-0.05	-0.08	-0.27	3.54e-06	2.43e-06	0.0
467	77	0.17	0.09	-0.27	2.94e-06	1.99e-06	0.0
467	96	-0.11	-0.16	-0.27	3.21e-06	2.14e-06	0.0
467	110	0.0	0.0	-0.27	0.0	0.0	0.0
467	111	2.22e-05	-4.67e-03	-0.19	3.84e-06	2.70e-06	0.0
467	112	2.22e-05	-4.67e-03	-0.27	3.84e-06	2.70e-06	0.0
467	114	0.0	0.0	-0.27	0.0	0.0	0.0
467	115	2.22e-05	-4.67e-03	-0.19	3.84e-06	2.70e-06	0.0
467	116	2.22e-05	-4.67e-03	-0.27	3.84e-06	2.70e-06	0.0
467	118	0.0	0.0	-0.27	0.0	0.0	0.0
467	119	2.22e-05	-4.67e-03	-0.19	3.84e-06	2.70e-06	0.0
467	120	2.22e-05	-4.67e-03	-0.27	3.84e-06	2.70e-06	0.0
467	122	0.0	0.0	-0.27	0.0	0.0	0.0

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467	123	2.22e-05	-4.67e-03	-0.19	3.84e-06	2.70e-06	0.0
467	124	2.22e-05	-4.67e-03	-0.27	3.84e-06	2.70e-06	0.0
468	2	0.0	0.0	-0.37	0.0	0.0	0.0
468	4	3.57e-05	-6.98e-03	-0.37	6.09e-06	4.22e-06	0.0
468	7	3.58e-05	-6.98e-03	-0.20	6.09e-06	4.22e-06	0.0
468	10	0.0	0.0	-0.30	0.0	0.0	0.0
468	13	0.18	0.09	-0.27	2.58e-06	1.71e-06	0.0
468	26	0.12	-0.09	-0.27	7.57e-06	5.75e-06	0.0
468	32	-0.12	-0.17	-0.27	3.01e-06	1.75e-06	0.0
468	45	0.09	0.04	-0.27	3.35e-06	2.29e-06	0.0
468	58	0.06	-0.04	-0.27	5.74e-06	4.22e-06	0.0
468	64	-0.06	-0.08	-0.27	3.56e-06	2.31e-06	0.0
468	77	0.18	0.09	-0.27	2.58e-06	1.71e-06	0.0
468	96	-0.12	-0.17	-0.27	3.01e-06	1.75e-06	0.0
468	110	0.0	0.0	-0.27	0.0	0.0	0.0
468	111	2.38e-05	-4.66e-03	-0.19	4.06e-06	2.82e-06	0.0
468	112	2.38e-05	-4.66e-03	-0.27	4.06e-06	2.82e-06	0.0
468	114	0.0	0.0	-0.27	0.0	0.0	0.0
468	115	2.38e-05	-4.66e-03	-0.19	4.06e-06	2.82e-06	0.0
468	116	2.38e-05	-4.66e-03	-0.27	4.06e-06	2.82e-06	0.0
468	118	0.0	0.0	-0.27	0.0	0.0	0.0
468	119	2.38e-05	-4.66e-03	-0.19	4.06e-06	2.82e-06	0.0
468	120	2.38e-05	-4.66e-03	-0.27	4.06e-06	2.82e-06	0.0
468	122	0.0	0.0	-0.27	0.0	0.0	0.0
468	123	2.38e-05	-4.66e-03	-0.19	4.06e-06	2.82e-06	0.0
468	124	2.38e-05	-4.66e-03	-0.27	4.06e-06	2.82e-06	0.0
469	2	0.0	0.0	-0.37	0.0	0.0	0.0
469	4	4.64e-05	-6.97e-03	-0.37	5.83e-06	3.95e-06	0.0
469	7	4.64e-05	-6.97e-03	-0.20	5.83e-06	3.95e-06	0.0
469	10	0.0	0.0	-0.30	0.0	0.0	0.0
469	13	0.19	0.10	-0.27	1.80e-06	1.11e-06	0.0
469	26	0.13	-0.09	-0.27	8.32e-06	6.47e-06	0.0
469	32	-0.13	-0.17	-0.27	2.47e-06	1.05e-06	0.0
469	45	0.09	0.04	-0.27	2.89e-06	1.90e-06	0.0
469	58	0.06	-0.05	-0.27	6.00e-06	4.47e-06	0.0
469	64	-0.06	-0.08	-0.27	3.21e-06	1.87e-06	0.0
469	77	0.19	0.10	-0.27	1.80e-06	1.11e-06	0.0
469	96	-0.13	-0.17	-0.27	2.47e-06	1.05e-06	0.0
469	110	0.0	0.0	-0.27	0.0	0.0	0.0
469	111	3.10e-05	-4.65e-03	-0.19	3.89e-06	2.64e-06	0.0
469	112	3.10e-05	-4.65e-03	-0.27	3.89e-06	2.64e-06	0.0
469	114	0.0	0.0	-0.27	0.0	0.0	0.0
469	115	3.10e-05	-4.65e-03	-0.19	3.89e-06	2.64e-06	0.0
469	116	3.10e-05	-4.65e-03	-0.27	3.89e-06	2.64e-06	0.0
469	118	0.0	0.0	-0.27	0.0	0.0	0.0
469	119	3.10e-05	-4.65e-03	-0.19	3.89e-06	2.64e-06	0.0
469	120	3.10e-05	-4.65e-03	-0.27	3.89e-06	2.64e-06	0.0
469	122	0.0	0.0	-0.27	0.0	0.0	0.0
469	123	3.10e-05	-4.65e-03	-0.19	3.89e-06	2.64e-06	0.0
469	124	3.10e-05	-4.65e-03	-0.27	3.89e-06	2.64e-06	0.0
470	4	5.71e-05	-6.96e-03	-0.37	5.61e-06	3.71e-06	0.0
470	7	5.71e-05	-6.96e-03	-0.20	5.61e-06	3.71e-06	0.0
470	12	4.95e-05	-6.03e-03	-0.30	4.86e-06	3.21e-06	0.0
470	13	0.20	0.10	-0.27	1.13e-06	0.0	0.0
470	26	0.13	-0.10	-0.28	8.96e-06	7.14e-06	0.0
470	32	-0.14	-0.18	-0.27	2.07e-06	0.0	0.0
470	45	0.09	0.05	-0.27	2.49e-06	1.57e-06	0.0
470	58	0.06	-0.05	-0.27	6.24e-06	4.70e-06	0.0
470	64	-0.07	-0.09	-0.27	2.94e-06	1.47e-06	0.0
470	77	0.20	0.10	-0.27	1.13e-06	0.0	0.0
470	96	-0.14	-0.18	-0.27	2.07e-06	0.0	0.0
470	111	3.81e-05	-4.64e-03	-0.19	3.74e-06	2.47e-06	0.0
470	112	3.81e-05	-4.64e-03	-0.27	3.74e-06	2.47e-06	0.0
470	115	3.81e-05	-4.64e-03	-0.19	3.74e-06	2.47e-06	0.0
470	116	3.81e-05	-4.64e-03	-0.27	3.74e-06	2.47e-06	0.0

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470	119	3.81e-05	-4.64e-03	-0.19	3.74e-06	2.47e-06	0.0
470	120	3.81e-05	-4.64e-03	-0.27	3.74e-06	2.47e-06	0.0
470	123	3.81e-05	-4.64e-03	-0.19	3.74e-06	2.47e-06	0.0
470	124	3.81e-05	-4.64e-03	-0.27	3.74e-06	2.47e-06	0.0
471	4	6.67e-05	-6.95e-03	-0.37	5.53e-06	3.57e-06	0.0
471	7	6.67e-05	-6.95e-03	-0.20	5.53e-06	3.57e-06	0.0
471	12	5.78e-05	-6.03e-03	-0.30	4.79e-06	3.09e-06	0.0
471	13	0.20	0.11	-0.27	0.0	0.0	0.0
471	26	0.14	-0.10	-0.28	9.20e-06	7.51e-06	0.0
471	32	-0.14	-0.18	-0.27	1.96e-06	0.0	0.0
471	45	0.10	0.05	-0.27	2.31e-06	1.40e-06	0.0
471	58	0.06	-0.05	-0.27	6.32e-06	4.83e-06	0.0
471	64	-0.07	-0.09	-0.27	2.86e-06	1.21e-06	0.0
471	77	0.20	0.11	-0.27	0.0	0.0	0.0
471	96	-0.14	-0.18	-0.27	1.96e-06	0.0	0.0
471	111	4.45e-05	-4.63e-03	-0.19	3.69e-06	2.38e-06	0.0
471	112	4.45e-05	-4.63e-03	-0.27	3.69e-06	2.38e-06	0.0
471	115	4.45e-05	-4.63e-03	-0.19	3.69e-06	2.38e-06	0.0
471	116	4.45e-05	-4.63e-03	-0.27	3.69e-06	2.38e-06	0.0
471	119	4.45e-05	-4.63e-03	-0.19	3.69e-06	2.38e-06	0.0
471	120	4.45e-05	-4.63e-03	-0.27	3.69e-06	2.38e-06	0.0
471	123	4.45e-05	-4.63e-03	-0.19	3.69e-06	2.38e-06	0.0
471	124	4.45e-05	-4.63e-03	-0.27	3.69e-06	2.38e-06	0.0
472	4	1.02e-03	-8.20e-03	-0.38	-5.40e-05	-5.34e-05	0.0
472	12	8.85e-04	-7.11e-03	-0.31	-4.68e-05	-4.63e-05	0.0
472	13	0.14	0.07	-0.28	-3.43e-05	-3.53e-05	0.0
472	27	-0.11	0.06	-0.28	-3.79e-05	-3.68e-05	0.0
472	32	-0.07	-0.15	-0.28	-3.57e-05	-3.39e-05	0.0
472	45	0.07	0.03	-0.28	-3.52e-05	-3.55e-05	0.0
472	59	-0.05	0.03	-0.28	-3.69e-05	-3.62e-05	0.0
472	64	-0.03	-0.07	-0.28	-3.58e-05	-3.48e-05	0.0
472	77	0.14	0.07	-0.28	-3.43e-05	-3.53e-05	0.0
472	96	-0.07	-0.15	-0.28	-3.57e-05	-3.39e-05	0.0
472	112	6.81e-04	-5.47e-03	-0.28	-3.60e-05	-3.56e-05	0.0
472	116	6.81e-04	-5.47e-03	-0.28	-3.60e-05	-3.56e-05	0.0
472	120	6.81e-04	-5.47e-03	-0.28	-3.60e-05	-3.56e-05	0.0
472	124	6.81e-04	-5.47e-03	-0.28	-3.60e-05	-3.56e-05	0.0
473	4	5.46e-04	-7.66e-03	-0.37	-2.62e-05	-2.60e-05	0.0
473	12	4.73e-04	-6.64e-03	-0.30	-2.27e-05	-2.26e-05	0.0
473	13	0.15	0.07	-0.27	-1.63e-05	-1.70e-05	0.0
473	27	-0.11	0.06	-0.27	-1.91e-05	-1.85e-05	0.0
473	32	-0.08	-0.15	-0.27	-1.71e-05	-1.62e-05	0.0
473	45	0.07	0.03	-0.27	-1.69e-05	-1.72e-05	0.0
473	59	-0.05	0.03	-0.27	-1.82e-05	-1.79e-05	0.0
473	64	-0.04	-0.08	-0.27	-1.73e-05	-1.68e-05	0.0
473	77	0.15	0.07	-0.27	-1.63e-05	-1.70e-05	0.0
473	96	-0.08	-0.15	-0.27	-1.71e-05	-1.62e-05	0.0
473	112	3.64e-04	-5.11e-03	-0.27	-1.75e-05	-1.74e-05	0.0
473	116	3.64e-04	-5.11e-03	-0.27	-1.75e-05	-1.74e-05	0.0
473	120	3.64e-04	-5.11e-03	-0.27	-1.75e-05	-1.74e-05	0.0
473	124	3.64e-04	-5.11e-03	-0.27	-1.75e-05	-1.74e-05	0.0
474	2	0.0	0.0	-0.37	0.0	0.0	0.0
474	4	2.60e-04	-7.33e-03	-0.37	-9.37e-06	-9.43e-06	0.0
474	10	0.0	0.0	-0.30	0.0	0.0	0.0
474	13	0.15	0.08	-0.27	-5.58e-06	-6.07e-06	0.0
474	32	-0.08	-0.16	-0.27	-6.04e-06	-5.63e-06	0.0
474	43	-0.07	0.11	-0.27	-7.53e-06	-7.83e-06	0.0
474	45	0.07	0.04	-0.27	-5.93e-06	-6.18e-06	0.0
474	64	-0.04	-0.08	-0.27	-6.15e-06	-5.97e-06	0.0
474	75	-0.04	0.05	-0.27	-6.86e-06	-7.02e-06	0.0
474	77	0.15	0.08	-0.27	-5.58e-06	-6.07e-06	0.0
474	96	-0.08	-0.16	-0.27	-6.04e-06	-5.63e-06	0.0
474	110	0.0	0.0	-0.27	0.0	0.0	0.0
474	112	1.73e-04	-4.89e-03	-0.27	-6.25e-06	-6.28e-06	0.0
474	114	0.0	0.0	-0.27	0.0	0.0	0.0

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474	116	1.73e-04	-4.89e-03	-0.27	-6.25e-06	-6.28e-06	0.0
474	118	0.0	0.0	-0.27	0.0	0.0	0.0
474	120	1.73e-04	-4.89e-03	-0.27	-6.25e-06	-6.28e-06	0.0
474	122	0.0	0.0	-0.27	0.0	0.0	0.0
474	124	1.73e-04	-4.89e-03	-0.27	-6.25e-06	-6.28e-06	0.0
475	2	0.0	0.0	-0.37	0.0	0.0	0.0
475	4	1.08e-04	-7.13e-03	-0.37	0.0	0.0	0.0
475	10	0.0	0.0	-0.30	0.0	0.0	0.0
475	13	0.16	0.09	-0.27	0.0	0.0	0.0
475	32	-0.09	-0.16	-0.27	0.0	0.0	0.0
475	43	-0.08	0.11	-0.27	-1.76e-06	-2.03e-06	0.0
475	45	0.08	0.04	-0.27	0.0	0.0	0.0
475	64	-0.04	-0.08	-0.27	0.0	0.0	0.0
475	75	-0.04	0.05	-0.27	0.0	-1.13e-06	0.0
475	77	0.16	0.09	-0.27	0.0	0.0	0.0
475	96	-0.09	-0.16	-0.27	0.0	0.0	0.0
475	110	0.0	0.0	-0.27	0.0	0.0	0.0
475	112	7.19e-05	-4.76e-03	-0.27	0.0	0.0	0.0
475	114	0.0	0.0	-0.27	0.0	0.0	0.0
475	116	7.19e-05	-4.76e-03	-0.27	0.0	0.0	0.0
475	118	0.0	0.0	-0.27	0.0	0.0	0.0
475	120	7.19e-05	-4.76e-03	-0.27	0.0	0.0	0.0
475	122	0.0	0.0	-0.27	0.0	0.0	0.0
475	124	7.19e-05	-4.76e-03	-0.27	0.0	0.0	0.0
476	2	0.0	0.0	-0.37	0.0	0.0	0.0
476	4	4.16e-05	-7.03e-03	-0.37	3.85e-06	3.60e-06	0.0
476	10	0.0	0.0	-0.30	0.0	0.0	0.0
476	13	0.16	0.09	-0.27	2.19e-06	1.99e-06	0.0
476	14	0.13	5.18e-03	-0.27	1.85e-06	1.66e-06	0.0
476	32	-0.10	-0.17	-0.27	2.16e-06	2.02e-06	0.0
476	45	0.08	0.04	-0.27	2.39e-06	2.20e-06	0.0
476	46	0.06	1.96e-05	-0.27	2.22e-06	2.04e-06	0.0
476	64	-0.05	-0.08	-0.27	2.37e-06	2.22e-06	0.0
476	77	0.16	0.09	-0.27	2.19e-06	1.99e-06	0.0
476	96	-0.10	-0.17	-0.27	2.16e-06	2.02e-06	0.0
476	110	0.0	0.0	-0.27	0.0	0.0	0.0
476	112	2.78e-05	-4.69e-03	-0.27	2.57e-06	2.40e-06	0.0
476	114	0.0	0.0	-0.27	0.0	0.0	0.0
476	116	2.78e-05	-4.69e-03	-0.27	2.57e-06	2.40e-06	0.0
476	118	0.0	0.0	-0.27	0.0	0.0	0.0
476	120	2.78e-05	-4.69e-03	-0.27	2.57e-06	2.40e-06	0.0
476	122	0.0	0.0	-0.27	0.0	0.0	0.0
476	124	2.78e-05	-4.69e-03	-0.27	2.57e-06	2.40e-06	0.0
477	2	0.0	0.0	-0.37	0.0	0.0	0.0
477	7	2.38e-05	-6.98e-03	-0.20	5.24e-06	4.92e-06	0.0
477	10	0.0	0.0	-0.30	0.0	0.0	0.0
477	13	0.17	0.10	-0.27	2.63e-06	2.49e-06	0.0
477	26	0.12	-0.09	-0.27	6.21e-06	5.91e-06	0.0
477	32	-0.10	-0.17	-0.27	2.70e-06	2.41e-06	0.0
477	45	0.08	0.05	-0.27	3.08e-06	2.90e-06	0.0
477	58	0.06	-0.05	-0.27	4.79e-06	4.54e-06	0.0
477	64	-0.05	-0.09	-0.27	3.11e-06	2.86e-06	0.0
477	77	0.17	0.10	-0.27	2.63e-06	2.49e-06	0.0
477	96	-0.10	-0.17	-0.27	2.70e-06	2.41e-06	0.0
477	110	0.0	0.0	-0.27	0.0	0.0	0.0
477	111	1.59e-05	-4.66e-03	-0.19	3.49e-06	3.28e-06	0.0
477	114	0.0	0.0	-0.27	0.0	0.0	0.0
477	115	1.59e-05	-4.66e-03	-0.19	3.49e-06	3.28e-06	0.0
477	118	0.0	0.0	-0.27	0.0	0.0	0.0
477	119	1.59e-05	-4.66e-03	-0.19	3.49e-06	3.28e-06	0.0
477	122	0.0	0.0	-0.27	0.0	0.0	0.0
477	123	1.59e-05	-4.66e-03	-0.19	3.49e-06	3.28e-06	0.0
478	2	0.0	0.0	-0.37	0.0	0.0	0.0
478	7	2.87e-05	-6.96e-03	-0.20	5.36e-06	4.97e-06	0.0
478	10	0.0	0.0	-0.30	0.0	0.0	0.0

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478	13	0.17	0.11	-0.27	2.16e-06	2.12e-06	0.0
478	26	0.12	-0.10	-0.27	7.10e-06	6.75e-06	0.0
478	32	-0.11	-0.18	-0.27	2.38e-06	1.90e-06	0.0
478	45	0.08	0.05	-0.27	2.89e-06	2.74e-06	0.0
478	58	0.06	-0.05	-0.27	5.26e-06	4.96e-06	0.0
478	64	-0.05	-0.09	-0.27	3.00e-06	2.64e-06	0.0
478	77	0.17	0.11	-0.27	2.16e-06	2.12e-06	0.0
478	96	-0.11	-0.18	-0.27	2.38e-06	1.90e-06	0.0
478	110	0.0	0.0	-0.27	0.0	0.0	0.0
478	111	1.91e-05	-4.64e-03	-0.19	3.57e-06	3.31e-06	0.0
478	114	0.0	0.0	-0.27	0.0	0.0	0.0
478	115	1.91e-05	-4.64e-03	-0.19	3.57e-06	3.31e-06	0.0
478	118	0.0	0.0	-0.27	0.0	0.0	0.0
478	119	1.91e-05	-4.64e-03	-0.19	3.57e-06	3.31e-06	0.0
478	122	0.0	0.0	-0.27	0.0	0.0	0.0
478	123	1.91e-05	-4.64e-03	-0.19	3.57e-06	3.31e-06	0.0
479	2	0.0	0.0	-0.37	0.0	0.0	0.0
479	7	4.05e-05	-6.95e-03	-0.20	5.11e-06	4.65e-06	0.0
479	10	0.0	0.0	-0.30	0.0	0.0	0.0
479	13	0.18	0.11	-0.27	1.44e-06	1.53e-06	0.0
479	32	-0.12	-0.18	-0.27	1.84e-06	1.13e-06	0.0
479	42	0.10	-0.13	-0.27	7.73e-06	7.54e-06	0.0
479	45	0.09	0.05	-0.27	2.46e-06	2.35e-06	0.0
479	64	-0.06	-0.09	-0.27	2.66e-06	2.15e-06	0.0
479	74	0.05	-0.06	-0.27	5.48e-06	5.22e-06	0.0
479	77	0.18	0.11	-0.27	1.44e-06	1.53e-06	0.0
479	96	-0.12	-0.18	-0.27	1.84e-06	1.13e-06	0.0
479	110	0.0	0.0	-0.27	0.0	0.0	0.0
479	111	2.70e-05	-4.63e-03	-0.19	3.41e-06	3.10e-06	0.0
479	114	0.0	0.0	-0.27	0.0	0.0	0.0
479	115	2.70e-05	-4.63e-03	-0.19	3.41e-06	3.10e-06	0.0
479	118	0.0	0.0	-0.27	0.0	0.0	0.0
479	119	2.70e-05	-4.63e-03	-0.19	3.41e-06	3.10e-06	0.0
479	122	0.0	0.0	-0.27	0.0	0.0	0.0
479	123	2.70e-05	-4.63e-03	-0.19	3.41e-06	3.10e-06	0.0
480	4	5.17e-05	-6.93e-03	-0.37	4.94e-06	4.39e-06	0.0
480	7	5.17e-05	-6.93e-03	-0.20	4.94e-06	4.39e-06	0.0
480	12	4.48e-05	-6.01e-03	-0.30	4.28e-06	3.80e-06	0.0
480	13	0.18	0.12	-0.27	0.0	1.07e-06	0.0
480	32	-0.12	-0.19	-0.27	1.44e-06	0.0	0.0
480	42	0.11	-0.13	-0.28	8.38e-06	8.15e-06	0.0
480	45	0.09	0.05	-0.27	2.10e-06	2.04e-06	0.0
480	64	-0.06	-0.09	-0.27	2.41e-06	1.73e-06	0.0
480	74	0.05	-0.06	-0.27	5.73e-06	5.42e-06	0.0
480	77	0.18	0.12	-0.27	0.0	1.07e-06	0.0
480	96	-0.12	-0.19	-0.27	1.44e-06	0.0	0.0
480	111	3.45e-05	-4.62e-03	-0.19	3.29e-06	2.92e-06	0.0
480	112	3.45e-05	-4.62e-03	-0.27	3.29e-06	2.92e-06	0.0
480	115	3.45e-05	-4.62e-03	-0.19	3.29e-06	2.92e-06	0.0
480	116	3.45e-05	-4.62e-03	-0.27	3.29e-06	2.92e-06	0.0
480	119	3.45e-05	-4.62e-03	-0.19	3.29e-06	2.92e-06	0.0
480	120	3.45e-05	-4.62e-03	-0.27	3.29e-06	2.92e-06	0.0
480	123	3.45e-05	-4.62e-03	-0.19	3.29e-06	2.92e-06	0.0
480	124	3.45e-05	-4.62e-03	-0.27	3.29e-06	2.92e-06	0.0
481	4	6.16e-05	-6.92e-03	-0.37	4.88e-06	4.24e-06	0.0
481	7	6.16e-05	-6.92e-03	-0.20	4.88e-06	4.24e-06	0.0
481	12	5.34e-05	-6.00e-03	-0.30	4.23e-06	3.67e-06	0.0
481	13	0.19	0.12	-0.27	0.0	0.0	0.0
481	32	-0.13	-0.19	-0.27	1.33e-06	0.0	0.0
481	42	0.11	-0.13	-0.28	8.67e-06	8.41e-06	0.0
481	45	0.09	0.06	-0.27	1.93e-06	1.90e-06	0.0
481	64	-0.06	-0.10	-0.27	2.33e-06	1.50e-06	0.0
481	74	0.05	-0.07	-0.27	5.85e-06	5.49e-06	0.0
481	77	0.19	0.12	-0.27	0.0	0.0	0.0
481	96	-0.13	-0.19	-0.27	1.33e-06	0.0	0.0

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481	111	4.10e-05	-4.61e-03	-0.19	3.26e-06	2.82e-06	0.0
481	112	4.10e-05	-4.61e-03	-0.27	3.26e-06	2.82e-06	0.0
481	115	4.10e-05	-4.61e-03	-0.19	3.26e-06	2.82e-06	0.0
481	116	4.10e-05	-4.61e-03	-0.27	3.26e-06	2.82e-06	0.0
481	119	4.10e-05	-4.61e-03	-0.19	3.26e-06	2.82e-06	0.0
481	120	4.10e-05	-4.61e-03	-0.27	3.26e-06	2.82e-06	0.0
481	123	4.10e-05	-4.61e-03	-0.19	3.26e-06	2.82e-06	0.0
481	124	4.10e-05	-4.61e-03	-0.27	3.26e-06	2.82e-06	0.0
482	4	1.47e-03	-8.36e-03	-0.39	-6.25e-05	-7.90e-05	0.0
482	12	1.27e-03	-7.24e-03	-0.31	-5.42e-05	-6.85e-05	0.0
482	13	0.14	0.07	-0.28	-3.96e-05	-5.19e-05	0.0
482	27	-0.11	0.06	-0.28	-4.37e-05	-5.44e-05	0.0
482	32	-0.06	-0.15	-0.28	-4.19e-05	-5.10e-05	0.0
482	45	0.07	0.03	-0.28	-4.07e-05	-5.23e-05	0.0
482	59	-0.05	0.03	-0.28	-4.26e-05	-5.35e-05	0.0
482	64	-0.03	-0.07	-0.28	-4.18e-05	-5.19e-05	0.0
482	77	0.14	0.07	-0.28	-3.96e-05	-5.19e-05	0.0
482	96	-0.06	-0.15	-0.28	-4.19e-05	-5.10e-05	0.0
482	112	9.77e-04	-5.57e-03	-0.28	-4.17e-05	-5.27e-05	0.0
482	116	9.77e-04	-5.57e-03	-0.28	-4.17e-05	-5.27e-05	0.0
482	120	9.77e-04	-5.57e-03	-0.28	-4.17e-05	-5.27e-05	0.0
482	124	9.77e-04	-5.57e-03	-0.28	-4.17e-05	-5.27e-05	0.0
483	4	7.94e-04	-7.75e-03	-0.38	-3.13e-05	-4.05e-05	0.0
483	12	6.88e-04	-6.72e-03	-0.30	-2.72e-05	-3.51e-05	0.0
483	13	0.14	0.08	-0.27	-1.94e-05	-2.62e-05	0.0
483	27	-0.11	0.07	-0.28	-2.24e-05	-2.86e-05	0.0
483	32	-0.07	-0.15	-0.27	-2.09e-05	-2.58e-05	0.0
483	45	0.07	0.03	-0.27	-2.02e-05	-2.66e-05	0.0
483	59	-0.05	0.03	-0.27	-2.16e-05	-2.77e-05	0.0
483	64	-0.03	-0.08	-0.27	-2.09e-05	-2.64e-05	0.0
483	77	0.14	0.08	-0.27	-1.94e-05	-2.62e-05	0.0
483	96	-0.07	-0.15	-0.27	-2.09e-05	-2.58e-05	0.0
483	112	5.29e-04	-5.17e-03	-0.27	-2.09e-05	-2.70e-05	0.0
483	116	5.29e-04	-5.17e-03	-0.27	-2.09e-05	-2.70e-05	0.0
483	120	5.29e-04	-5.17e-03	-0.27	-2.09e-05	-2.70e-05	0.0
483	124	5.29e-04	-5.17e-03	-0.27	-2.09e-05	-2.70e-05	0.0
484	2	0.0	0.0	-0.37	0.0	0.0	0.0
484	4	3.76e-04	-7.37e-03	-0.37	-1.24e-05	-1.64e-05	0.0
484	10	0.0	0.0	-0.30	0.0	0.0	0.0
484	13	0.14	0.08	-0.27	-7.32e-06	-1.04e-05	0.0
484	27	-0.11	0.07	-0.27	-9.57e-06	-1.25e-05	0.0
484	32	-0.08	-0.16	-0.27	-8.18e-06	-1.02e-05	0.0
484	45	0.07	0.04	-0.27	-7.81e-06	-1.07e-05	0.0
484	59	-0.05	0.03	-0.27	-8.88e-06	-1.17e-05	0.0
484	64	-0.04	-0.08	-0.27	-8.22e-06	-1.06e-05	0.0
484	77	0.14	0.08	-0.27	-7.32e-06	-1.04e-05	0.0
484	96	-0.08	-0.16	-0.27	-8.18e-06	-1.02e-05	0.0
484	110	0.0	0.0	-0.27	0.0	0.0	0.0
484	112	2.51e-04	-4.91e-03	-0.27	-8.25e-06	-1.09e-05	0.0
484	114	0.0	0.0	-0.27	0.0	0.0	0.0
484	116	2.51e-04	-4.91e-03	-0.27	-8.25e-06	-1.09e-05	0.0
484	118	0.0	0.0	-0.27	0.0	0.0	0.0
484	120	2.51e-04	-4.91e-03	-0.27	-8.25e-06	-1.09e-05	0.0
484	122	0.0	0.0	-0.27	0.0	0.0	0.0
484	124	2.51e-04	-4.91e-03	-0.27	-8.25e-06	-1.09e-05	0.0
485	2	0.0	0.0	-0.37	0.0	0.0	0.0
485	4	1.47e-04	-7.15e-03	-0.37	-2.10e-06	-3.04e-06	0.0
485	10	0.0	0.0	-0.30	0.0	0.0	0.0
485	13	0.15	0.09	-0.27	0.0	-1.85e-06	0.0
485	27	-0.11	0.08	-0.27	-2.79e-06	-3.75e-06	0.0
485	32	-0.08	-0.17	-0.27	-1.32e-06	-1.75e-06	0.0
485	45	0.07	0.04	-0.27	-1.20e-06	-1.94e-06	0.0
485	59	-0.05	0.04	-0.27	-2.06e-06	-2.85e-06	0.0
485	64	-0.04	-0.08	-0.27	-1.36e-06	-1.90e-06	0.0
485	77	0.15	0.09	-0.27	0.0	-1.85e-06	0.0

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485	96	-0.08	-0.17	-0.27	-1.32e-06	-1.75e-06	0.0
485	110	0.0	0.0	-0.27	0.0	0.0	0.0
485	112	9.80e-05	-4.77e-03	-0.27	-1.40e-06	-2.03e-06	0.0
485	114	0.0	0.0	-0.27	0.0	0.0	0.0
485	116	9.80e-05	-4.77e-03	-0.27	-1.40e-06	-2.03e-06	0.0
485	118	0.0	0.0	-0.27	0.0	0.0	0.0
485	120	9.80e-05	-4.77e-03	-0.27	-1.40e-06	-2.03e-06	0.0
485	122	0.0	0.0	-0.27	0.0	0.0	0.0
485	124	9.80e-05	-4.77e-03	-0.27	-1.40e-06	-2.03e-06	0.0
486	2	0.0	0.0	-0.37	0.0	0.0	0.0
486	4	4.22e-05	-7.03e-03	-0.37	2.68e-06	3.22e-06	0.0
486	7	4.22e-05	-7.03e-03	-0.20	2.68e-06	3.22e-06	0.0
486	10	0.0	0.0	-0.30	0.0	0.0	0.0
486	13	0.15	0.10	-0.27	1.66e-06	1.96e-06	0.0
486	14	0.13	9.63e-03	-0.27	1.39e-06	1.65e-06	0.0
486	32	-0.09	-0.17	-0.27	1.40e-06	1.74e-06	0.0
486	45	0.07	0.05	-0.27	1.73e-06	2.06e-06	0.0
486	46	0.06	2.16e-03	-0.27	1.59e-06	1.91e-06	0.0
486	64	-0.04	-0.09	-0.27	1.60e-06	1.95e-06	0.0
486	77	0.15	0.10	-0.27	1.66e-06	1.96e-06	0.0
486	96	-0.09	-0.17	-0.27	1.40e-06	1.74e-06	0.0
486	110	0.0	0.0	-0.27	0.0	0.0	0.0
486	111	2.81e-05	-4.69e-03	-0.19	1.78e-06	2.15e-06	0.0
486	112	2.81e-05	-4.69e-03	-0.27	1.78e-06	2.15e-06	0.0
486	114	0.0	0.0	-0.27	0.0	0.0	0.0
486	115	2.81e-05	-4.69e-03	-0.19	1.78e-06	2.15e-06	0.0
486	116	2.81e-05	-4.69e-03	-0.27	1.78e-06	2.15e-06	0.0
486	118	0.0	0.0	-0.27	0.0	0.0	0.0
486	119	2.81e-05	-4.69e-03	-0.19	1.78e-06	2.15e-06	0.0
486	120	2.81e-05	-4.69e-03	-0.27	1.78e-06	2.15e-06	0.0
486	122	0.0	0.0	-0.27	0.0	0.0	0.0
486	123	2.81e-05	-4.69e-03	-0.19	1.78e-06	2.15e-06	0.0
486	124	2.81e-05	-4.69e-03	-0.27	1.78e-06	2.15e-06	0.0
487	2	0.0	0.0	-0.37	0.0	0.0	0.0
487	4	8.98e-06	-6.97e-03	-0.37	4.35e-06	5.42e-06	0.0
487	7	8.98e-06	-6.97e-03	-0.20	4.35e-06	5.42e-06	0.0
487	10	0.0	0.0	-0.30	0.0	0.0	0.0
487	13	0.16	0.11	-0.27	2.34e-06	2.99e-06	0.0
487	32	-0.09	-0.18	-0.27	2.19e-06	2.71e-06	0.0
487	42	0.08	-0.13	-0.27	5.04e-06	6.31e-06	0.0
487	45	0.08	0.05	-0.27	2.63e-06	3.31e-06	0.0
487	64	-0.04	-0.09	-0.27	2.56e-06	3.18e-06	0.0
487	74	0.04	-0.06	-0.27	3.92e-06	4.90e-06	0.0
487	77	0.16	0.11	-0.27	2.34e-06	2.99e-06	0.0
487	96	-0.09	-0.18	-0.27	2.19e-06	2.71e-06	0.0
487	110	0.0	0.0	-0.27	0.0	0.0	0.0
487	111	5.98e-06	-4.65e-03	-0.19	2.90e-06	3.61e-06	0.0
487	112	5.98e-06	-4.65e-03	-0.27	2.90e-06	3.61e-06	0.0
487	114	0.0	0.0	-0.27	0.0	0.0	0.0
487	115	5.98e-06	-4.65e-03	-0.19	2.90e-06	3.61e-06	0.0
487	116	5.98e-06	-4.65e-03	-0.27	2.90e-06	3.61e-06	0.0
487	118	0.0	0.0	-0.27	0.0	0.0	0.0
487	119	5.98e-06	-4.65e-03	-0.19	2.90e-06	3.61e-06	0.0
487	120	5.98e-06	-4.65e-03	-0.27	2.90e-06	3.61e-06	0.0
487	122	0.0	0.0	-0.27	0.0	0.0	0.0
487	123	5.98e-06	-4.65e-03	-0.19	2.90e-06	3.61e-06	0.0
487	124	5.98e-06	-4.65e-03	-0.27	2.90e-06	3.61e-06	0.0
488	2	0.0	0.0	-0.37	0.0	0.0	0.0
488	4	1.01e-05	-6.94e-03	-0.37	4.58e-06	5.67e-06	0.0
488	7	1.01e-05	-6.94e-03	-0.20	4.58e-06	5.67e-06	0.0
488	10	0.0	0.0	-0.30	0.0	0.0	0.0
488	13	0.16	0.12	-0.27	1.99e-06	2.73e-06	0.0
488	32	-0.10	-0.19	-0.27	1.95e-06	2.30e-06	0.0
488	42	0.08	-0.13	-0.27	5.99e-06	7.30e-06	0.0
488	45	0.08	0.05	-0.27	2.54e-06	3.28e-06	0.0

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488	64	-0.05	-0.09	-0.27	2.52e-06	3.07e-06	0.0
488	74	0.04	-0.06	-0.27	4.45e-06	5.46e-06	0.0
488	77	0.16	0.12	-0.27	1.99e-06	2.73e-06	0.0
488	96	-0.10	-0.19	-0.27	1.95e-06	2.30e-06	0.0
488	110	0.0	0.0	-0.27	0.0	0.0	0.0
488	111	6.76e-06	-4.63e-03	-0.19	3.05e-06	3.78e-06	0.0
488	112	6.76e-06	-4.63e-03	-0.27	3.05e-06	3.78e-06	0.0
488	114	0.0	0.0	-0.27	0.0	0.0	0.0
488	115	6.76e-06	-4.63e-03	-0.19	3.05e-06	3.78e-06	0.0
488	116	6.76e-06	-4.63e-03	-0.27	3.05e-06	3.78e-06	0.0
488	118	0.0	0.0	-0.27	0.0	0.0	0.0
488	119	6.76e-06	-4.63e-03	-0.19	3.05e-06	3.78e-06	0.0
488	120	6.76e-06	-4.63e-03	-0.27	3.05e-06	3.78e-06	0.0
488	122	0.0	0.0	-0.27	0.0	0.0	0.0
488	123	6.76e-06	-4.63e-03	-0.19	3.05e-06	3.78e-06	0.0
488	124	6.76e-06	-4.63e-03	-0.27	3.05e-06	3.78e-06	0.0
489	2	0.0	0.0	-0.37	0.0	0.0	0.0
489	4	2.26e-05	-6.92e-03	-0.37	4.36e-06	5.30e-06	0.0
489	7	2.26e-05	-6.92e-03	-0.20	4.36e-06	5.30e-06	0.0
489	10	0.0	0.0	-0.30	0.0	0.0	0.0
489	13	0.17	0.12	-0.27	1.32e-06	2.11e-06	0.0
489	32	-0.10	-0.19	-0.27	1.39e-06	1.45e-06	0.0
489	42	0.09	-0.13	-0.27	6.75e-06	7.97e-06	0.0
489	45	0.08	0.06	-0.27	2.15e-06	2.85e-06	0.0
489	64	-0.05	-0.10	-0.27	2.18e-06	2.53e-06	0.0
489	74	0.04	-0.07	-0.27	4.74e-06	5.65e-06	0.0
489	77	0.17	0.12	-0.27	1.32e-06	2.11e-06	0.0
489	96	-0.10	-0.19	-0.27	1.39e-06	1.45e-06	0.0
489	110	0.0	0.0	-0.27	0.0	0.0	0.0
489	111	1.51e-05	-4.62e-03	-0.19	2.91e-06	3.53e-06	0.0
489	112	1.51e-05	-4.62e-03	-0.27	2.91e-06	3.53e-06	0.0
489	114	0.0	0.0	-0.27	0.0	0.0	0.0
489	115	1.51e-05	-4.62e-03	-0.19	2.91e-06	3.53e-06	0.0
489	116	1.51e-05	-4.62e-03	-0.27	2.91e-06	3.53e-06	0.0
489	118	0.0	0.0	-0.27	0.0	0.0	0.0
489	119	1.51e-05	-4.62e-03	-0.19	2.91e-06	3.53e-06	0.0
489	120	1.51e-05	-4.62e-03	-0.27	2.91e-06	3.53e-06	0.0
489	122	0.0	0.0	-0.27	0.0	0.0	0.0
489	123	1.51e-05	-4.62e-03	-0.19	2.91e-06	3.53e-06	0.0
489	124	1.51e-05	-4.62e-03	-0.27	2.91e-06	3.53e-06	0.0
490	4	3.50e-05	-6.91e-03	-0.37	4.19e-06	4.96e-06	0.0
490	7	3.50e-05	-6.91e-03	-0.20	4.19e-06	4.96e-06	0.0
490	12	3.04e-05	-5.99e-03	-0.30	3.63e-06	4.30e-06	0.0
490	13	0.17	0.13	-0.27	0.0	1.63e-06	0.0
490	32	-0.11	-0.20	-0.27	0.0	0.0	0.0
490	42	0.09	-0.14	-0.28	7.47e-06	8.54e-06	0.0
490	45	0.08	0.06	-0.27	1.79e-06	2.51e-06	0.0
490	64	-0.05	-0.10	-0.27	1.89e-06	2.05e-06	0.0
490	74	0.04	-0.07	-0.27	5.03e-06	5.81e-06	0.0
490	77	0.17	0.13	-0.27	0.0	1.63e-06	0.0
490	96	-0.11	-0.20	-0.27	0.0	0.0	0.0
490	111	2.34e-05	-4.60e-03	-0.19	2.79e-06	3.31e-06	0.0
490	112	2.34e-05	-4.60e-03	-0.27	2.79e-06	3.31e-06	0.0
490	115	2.34e-05	-4.60e-03	-0.19	2.79e-06	3.31e-06	0.0
490	116	2.34e-05	-4.60e-03	-0.27	2.79e-06	3.31e-06	0.0
490	119	2.34e-05	-4.60e-03	-0.19	2.79e-06	3.31e-06	0.0
490	120	2.34e-05	-4.60e-03	-0.27	2.79e-06	3.31e-06	0.0
490	123	2.34e-05	-4.60e-03	-0.19	2.79e-06	3.31e-06	0.0
490	124	2.34e-05	-4.60e-03	-0.27	2.79e-06	3.31e-06	0.0
491	4	4.55e-05	-6.89e-03	-0.37	4.13e-06	4.77e-06	0.0
491	7	4.55e-05	-6.89e-03	-0.20	4.13e-06	4.77e-06	0.0
491	12	3.94e-05	-5.97e-03	-0.30	3.58e-06	4.13e-06	0.0
491	13	0.18	0.14	-0.27	0.0	1.45e-06	0.0
491	32	-0.11	-0.21	-0.27	0.0	0.0	0.0
491	42	0.10	-0.14	-0.28	7.89e-06	8.71e-06	0.0

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491	45	0.08	0.06	-0.27	1.59e-06	2.36e-06	0.0
491	64	-0.05	-0.10	-0.27	1.78e-06	1.81e-06	0.0
491	74	0.05	-0.07	-0.27	5.21e-06	5.82e-06	0.0
491	77	0.18	0.14	-0.27	0.0	1.45e-06	0.0
491	96	-0.11	-0.21	-0.27	0.0	0.0	0.0
491	111	3.03e-05	-4.59e-03	-0.19	2.76e-06	3.18e-06	0.0
491	112	3.03e-05	-4.59e-03	-0.27	2.76e-06	3.18e-06	0.0
491	115	3.03e-05	-4.59e-03	-0.19	2.76e-06	3.18e-06	0.0
491	116	3.03e-05	-4.59e-03	-0.27	2.76e-06	3.18e-06	0.0
491	119	3.03e-05	-4.59e-03	-0.19	2.76e-06	3.18e-06	0.0
491	120	3.03e-05	-4.59e-03	-0.27	2.76e-06	3.18e-06	0.0
491	123	3.03e-05	-4.59e-03	-0.19	2.76e-06	3.18e-06	0.0
491	124	3.03e-05	-4.59e-03	-0.27	2.76e-06	3.18e-06	0.0
492	4	1.97e-03	-8.38e-03	-0.39	-6.37e-05	-1.09e-04	0.0
492	12	1.71e-03	-7.26e-03	-0.32	-5.52e-05	-9.42e-05	0.0
492	13	0.13	0.07	-0.28	-4.03e-05	-7.11e-05	0.0
492	27	-0.11	0.06	-0.29	-4.40e-05	-7.48e-05	0.0
492	32	-0.06	-0.15	-0.28	-4.28e-05	-7.10e-05	0.0
492	45	0.06	0.03	-0.28	-4.14e-05	-7.18e-05	0.0
492	59	-0.05	0.03	-0.28	-4.32e-05	-7.36e-05	0.0
492	64	-0.03	-0.07	-0.28	-4.26e-05	-7.17e-05	0.0
492	77	0.13	0.07	-0.28	-4.03e-05	-7.11e-05	0.0
492	96	-0.06	-0.15	-0.28	-4.28e-05	-7.10e-05	0.0
492	112	1.32e-03	-5.59e-03	-0.28	-4.25e-05	-7.25e-05	0.0
492	116	1.32e-03	-5.59e-03	-0.28	-4.25e-05	-7.25e-05	0.0
492	120	1.32e-03	-5.59e-03	-0.28	-4.25e-05	-7.25e-05	0.0
492	124	1.32e-03	-5.59e-03	-0.28	-4.25e-05	-7.25e-05	0.0
493	4	1.08e-03	-7.76e-03	-0.38	-3.25e-05	-5.74e-05	0.0
493	12	9.34e-04	-6.73e-03	-0.31	-2.81e-05	-4.97e-05	0.0
493	13	0.13	0.08	-0.28	-2.00e-05	-3.70e-05	0.0
493	27	-0.11	0.07	-0.28	-2.28e-05	-4.04e-05	0.0
493	32	-0.06	-0.16	-0.28	-2.20e-05	-3.73e-05	0.0
493	45	0.06	0.04	-0.28	-2.09e-05	-3.77e-05	0.0
493	59	-0.05	0.03	-0.28	-2.22e-05	-3.93e-05	0.0
493	64	-0.03	-0.08	-0.28	-2.18e-05	-3.78e-05	0.0
493	77	0.13	0.08	-0.28	-2.00e-05	-3.70e-05	0.0
493	96	-0.06	-0.16	-0.28	-2.20e-05	-3.73e-05	0.0
493	112	7.19e-04	-5.18e-03	-0.28	-2.16e-05	-3.83e-05	0.0
493	116	7.19e-04	-5.18e-03	-0.28	-2.16e-05	-3.83e-05	0.0
493	120	7.19e-04	-5.18e-03	-0.28	-2.16e-05	-3.83e-05	0.0
493	124	7.19e-04	-5.18e-03	-0.28	-2.16e-05	-3.83e-05	0.0
494	2	0.0	0.0	-0.37	0.0	0.0	0.0
494	4	5.08e-04	-7.38e-03	-0.37	-1.35e-05	-2.47e-05	0.0
494	10	0.0	0.0	-0.30	0.0	0.0	0.0
494	13	0.14	0.09	-0.27	-7.93e-06	-1.55e-05	0.0
494	27	-0.11	0.07	-0.27	-9.96e-06	-1.83e-05	0.0
494	32	-0.07	-0.16	-0.27	-9.12e-06	-1.59e-05	0.0
494	45	0.07	0.04	-0.27	-8.50e-06	-1.60e-05	0.0
494	59	-0.05	0.03	-0.27	-9.46e-06	-1.74e-05	0.0
494	64	-0.03	-0.08	-0.27	-9.06e-06	-1.62e-05	0.0
494	77	0.14	0.09	-0.27	-7.93e-06	-1.55e-05	0.0
494	96	-0.07	-0.16	-0.27	-9.12e-06	-1.59e-05	0.0
494	110	0.0	0.0	-0.27	0.0	0.0	0.0
494	112	3.39e-04	-4.92e-03	-0.27	-9.01e-06	-1.65e-05	0.0
494	114	0.0	0.0	-0.27	0.0	0.0	0.0
494	116	3.39e-04	-4.92e-03	-0.27	-9.01e-06	-1.65e-05	0.0
494	118	0.0	0.0	-0.27	0.0	0.0	0.0
494	120	3.39e-04	-4.92e-03	-0.27	-9.01e-06	-1.65e-05	0.0
494	122	0.0	0.0	-0.27	0.0	0.0	0.0
494	124	3.39e-04	-4.92e-03	-0.27	-9.01e-06	-1.65e-05	0.0
495	2	0.0	0.0	-0.37	0.0	0.0	0.0
495	4	1.90e-04	-7.15e-03	-0.37	-3.22e-06	-6.30e-06	0.0
495	10	0.0	0.0	-0.30	0.0	0.0	0.0
495	13	0.14	0.10	-0.27	-1.58e-06	-3.70e-06	0.0
495	27	-0.11	0.08	-0.27	-3.12e-06	-6.05e-06	0.0

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495	32	-0.07	-0.17	-0.27	-2.11e-06	-4.00e-06	0.0
495	45	0.07	0.04	-0.27	-1.87e-06	-3.96e-06	0.0
495	59	-0.05	0.04	-0.27	-2.61e-06	-5.08e-06	0.0
495	64	-0.03	-0.08	-0.27	-2.13e-06	-4.10e-06	0.0
495	77	0.14	0.10	-0.27	-1.58e-06	-3.70e-06	0.0
495	96	-0.07	-0.17	-0.27	-2.11e-06	-4.00e-06	0.0
495	110	0.0	0.0	-0.27	0.0	0.0	0.0
495	112	1.27e-04	-4.77e-03	-0.27	-2.14e-06	-4.20e-06	0.0
495	114	0.0	0.0	-0.27	0.0	0.0	0.0
495	116	1.27e-04	-4.77e-03	-0.27	-2.14e-06	-4.20e-06	0.0
495	118	0.0	0.0	-0.27	0.0	0.0	0.0
495	120	1.27e-04	-4.77e-03	-0.27	-2.14e-06	-4.20e-06	0.0
495	122	0.0	0.0	-0.27	0.0	0.0	0.0
495	124	1.27e-04	-4.77e-03	-0.27	-2.14e-06	-4.20e-06	0.0
496	2	0.0	0.0	-0.37	0.0	0.0	0.0
496	4	3.94e-05	-7.03e-03	-0.37	1.61e-06	2.52e-06	0.0
496	10	0.0	0.0	-0.30	0.0	0.0	0.0
496	13	0.14	0.11	-0.27	1.34e-06	1.70e-06	0.0
496	14	0.12	0.01	-0.27	1.12e-06	1.44e-06	0.0
496	32	-0.07	-0.18	-0.27	0.0	1.27e-06	0.0
496	45	0.07	0.05	-0.27	1.20e-06	1.69e-06	0.0
496	46	0.06	3.87e-03	-0.27	1.10e-06	1.56e-06	0.0
496	64	-0.04	-0.09	-0.27	0.0	1.48e-06	0.0
496	77	0.14	0.11	-0.27	1.34e-06	1.70e-06	0.0
496	96	-0.07	-0.18	-0.27	0.0	1.27e-06	0.0
496	110	0.0	0.0	-0.27	0.0	0.0	0.0
496	112	2.63e-05	-4.68e-03	-0.27	1.07e-06	1.68e-06	0.0
496	114	0.0	0.0	-0.27	0.0	0.0	0.0
496	116	2.63e-05	-4.68e-03	-0.27	1.07e-06	1.68e-06	0.0
496	118	0.0	0.0	-0.27	0.0	0.0	0.0
496	120	2.63e-05	-4.68e-03	-0.27	1.07e-06	1.68e-06	0.0
496	122	0.0	0.0	-0.27	0.0	0.0	0.0
496	124	2.63e-05	-4.68e-03	-0.27	1.07e-06	1.68e-06	0.0
497	2	0.0	0.0	-0.37	0.0	0.0	0.0
497	4	-1.27e-05	-6.96e-03	-0.37	3.36e-06	5.74e-06	0.0
497	10	0.0	0.0	-0.30	0.0	0.0	0.0
497	16	-0.15	-0.12	-0.27	2.52e-06	4.25e-06	0.0
497	32	-0.08	-0.19	-0.27	1.65e-06	3.00e-06	0.0
497	42	0.07	-0.13	-0.27	3.81e-06	6.25e-06	0.0
497	48	-0.07	-0.06	-0.27	2.37e-06	4.03e-06	0.0
497	64	-0.04	-0.09	-0.27	1.96e-06	3.43e-06	0.0
497	74	0.03	-0.06	-0.27	2.98e-06	4.98e-06	0.0
497	80	-0.15	-0.12	-0.27	2.52e-06	4.25e-06	0.0
497	96	-0.08	-0.19	-0.27	1.65e-06	3.00e-06	0.0
497	110	0.0	0.0	-0.27	0.0	0.0	0.0
497	112	-8.47e-06	-4.64e-03	-0.27	2.24e-06	3.82e-06	0.0
497	114	0.0	0.0	-0.27	0.0	0.0	0.0
497	116	-8.47e-06	-4.64e-03	-0.27	2.24e-06	3.82e-06	0.0
497	118	0.0	0.0	-0.27	0.0	0.0	0.0
497	120	-8.47e-06	-4.64e-03	-0.27	2.24e-06	3.82e-06	0.0
497	122	0.0	0.0	-0.27	0.0	0.0	0.0
497	124	-8.47e-06	-4.64e-03	-0.27	2.24e-06	3.82e-06	0.0
498	2	0.0	0.0	-0.37	0.0	0.0	0.0
498	4	-1.68e-05	-6.93e-03	-0.37	3.66e-06	6.24e-06	0.0
498	10	0.0	0.0	-0.30	0.0	0.0	0.0
498	16	-0.15	-0.13	-0.27	3.16e-06	5.02e-06	0.0
498	32	-0.08	-0.19	-0.27	1.50e-06	2.81e-06	0.0
498	42	0.07	-0.13	-0.27	4.76e-06	7.32e-06	0.0
498	48	-0.07	-0.07	-0.27	2.78e-06	4.57e-06	0.0
498	64	-0.04	-0.10	-0.27	1.99e-06	3.51e-06	0.0
498	74	0.03	-0.07	-0.27	3.54e-06	5.67e-06	0.0
498	80	-0.15	-0.13	-0.27	3.16e-06	5.02e-06	0.0
498	96	-0.08	-0.19	-0.27	1.50e-06	2.81e-06	0.0
498	110	0.0	0.0	-0.27	0.0	0.0	0.0
498	112	-1.12e-05	-4.62e-03	-0.27	2.44e-06	4.16e-06	0.0

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498	114	0.0	0.0	-0.27	0.0	0.0	0.0
498	116	-1.12e-05	-4.62e-03	-0.27	2.44e-06	4.16e-06	0.0
498	118	0.0	0.0	-0.27	0.0	0.0	0.0
498	120	-1.12e-05	-4.62e-03	-0.27	2.44e-06	4.16e-06	0.0
498	122	0.0	0.0	-0.27	0.0	0.0	0.0
498	124	-1.12e-05	-4.62e-03	-0.27	2.44e-06	4.16e-06	0.0
499	2	0.0	0.0	-0.37	0.0	0.0	0.0
499	4	-4.43e-06	-6.91e-03	-0.37	3.49e-06	5.83e-06	0.0
499	10	0.0	0.0	-0.30	0.0	0.0	0.0
499	16	-0.15	-0.14	-0.27	3.51e-06	5.10e-06	0.0
499	32	-0.09	-0.20	-0.27	0.0	1.97e-06	0.0
499	42	0.07	-0.14	-0.27	5.53e-06	7.90e-06	0.0
499	48	-0.07	-0.07	-0.27	2.89e-06	4.46e-06	0.0
499	64	-0.04	-0.10	-0.27	1.68e-06	2.96e-06	0.0
499	74	0.04	-0.07	-0.27	3.86e-06	5.80e-06	0.0
499	80	-0.15	-0.14	-0.27	3.51e-06	5.10e-06	0.0
499	96	-0.09	-0.20	-0.27	0.0	1.97e-06	0.0
499	110	0.0	0.0	-0.27	0.0	0.0	0.0
499	112	-2.96e-06	-4.60e-03	-0.27	2.33e-06	3.88e-06	0.0
499	114	0.0	0.0	-0.27	0.0	0.0	0.0
499	116	-2.96e-06	-4.60e-03	-0.27	2.33e-06	3.88e-06	0.0
499	118	0.0	0.0	-0.27	0.0	0.0	0.0
499	120	-2.96e-06	-4.60e-03	-0.27	2.33e-06	3.88e-06	0.0
499	122	0.0	0.0	-0.27	0.0	0.0	0.0
499	124	-2.96e-06	-4.60e-03	-0.27	2.33e-06	3.88e-06	0.0
500	4	8.56e-06	-6.89e-03	-0.37	3.35e-06	5.40e-06	0.0
500	7	8.56e-06	-6.89e-03	-0.20	3.35e-06	5.40e-06	0.0
500	12	7.42e-06	-5.97e-03	-0.30	2.90e-06	4.68e-06	0.0
500	13	0.16	0.14	-0.27	0.0	2.15e-06	0.0
500	32	-0.09	-0.21	-0.27	0.0	1.20e-06	0.0
500	42	0.08	-0.14	-0.27	6.31e-06	8.34e-06	0.0
500	45	0.07	0.07	-0.27	1.45e-06	2.91e-06	0.0
500	64	-0.04	-0.10	-0.27	1.38e-06	2.44e-06	0.0
500	74	0.04	-0.07	-0.27	4.18e-06	5.87e-06	0.0
500	77	0.16	0.14	-0.27	0.0	2.15e-06	0.0
500	96	-0.09	-0.21	-0.27	0.0	1.20e-06	0.0
500	111	5.71e-06	-4.59e-03	-0.19	2.23e-06	3.60e-06	0.0
500	112	5.71e-06	-4.59e-03	-0.27	2.23e-06	3.60e-06	0.0
500	115	5.71e-06	-4.59e-03	-0.19	2.23e-06	3.60e-06	0.0
500	116	5.71e-06	-4.59e-03	-0.27	2.23e-06	3.60e-06	0.0
500	119	5.71e-06	-4.59e-03	-0.19	2.23e-06	3.60e-06	0.0
500	120	5.71e-06	-4.59e-03	-0.27	2.23e-06	3.60e-06	0.0
500	123	5.71e-06	-4.59e-03	-0.19	2.23e-06	3.60e-06	0.0
500	124	5.71e-06	-4.59e-03	-0.27	2.23e-06	3.60e-06	0.0
501	4	1.88e-05	-6.87e-03	-0.37	3.31e-06	5.17e-06	0.0
501	7	1.88e-05	-6.87e-03	-0.20	3.31e-06	5.17e-06	0.0
501	12	1.63e-05	-5.95e-03	-0.30	2.87e-06	4.48e-06	0.0
501	13	0.16	0.15	-0.27	0.0	1.93e-06	0.0
501	32	-0.09	-0.22	-0.27	0.0	0.0	0.0
501	42	0.08	-0.15	-0.28	6.89e-06	8.41e-06	0.0
501	45	0.08	0.07	-0.27	1.24e-06	2.72e-06	0.0
501	64	-0.05	-0.11	-0.27	1.24e-06	2.20e-06	0.0
501	74	0.04	-0.07	-0.27	4.45e-06	5.82e-06	0.0
501	77	0.16	0.15	-0.27	0.0	1.93e-06	0.0
501	96	-0.09	-0.22	-0.27	0.0	0.0	0.0
501	111	1.25e-05	-4.58e-03	-0.19	2.21e-06	3.44e-06	0.0
501	112	1.25e-05	-4.58e-03	-0.27	2.21e-06	3.44e-06	0.0
501	115	1.25e-05	-4.58e-03	-0.19	2.21e-06	3.44e-06	0.0
501	116	1.25e-05	-4.58e-03	-0.27	2.21e-06	3.44e-06	0.0
501	119	1.25e-05	-4.58e-03	-0.19	2.21e-06	3.44e-06	0.0
501	120	1.25e-05	-4.58e-03	-0.27	2.21e-06	3.44e-06	0.0
501	123	1.25e-05	-4.58e-03	-0.19	2.21e-06	3.44e-06	0.0
501	124	1.25e-05	-4.58e-03	-0.27	2.21e-06	3.44e-06	0.0
502	4	2.47e-03	-8.21e-03	-0.40	-5.39e-05	-1.38e-04	0.0
502	12	2.14e-03	-7.11e-03	-0.32	-4.67e-05	-1.20e-04	0.0

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502	13	0.13	0.07	-0.29	-3.37e-05	-8.99e-05	0.0
502	27	-0.11	0.06	-0.29	-3.69e-05	-9.51e-05	0.0
502	32	-0.05	-0.15	-0.29	-3.75e-05	-9.12e-05	0.0
502	45	0.06	0.03	-0.29	-3.48e-05	-9.10e-05	0.0
502	59	-0.05	0.03	-0.29	-3.64e-05	-9.35e-05	0.0
502	64	-0.02	-0.07	-0.29	-3.67e-05	-9.16e-05	0.0
502	77	0.13	0.07	-0.29	-3.37e-05	-8.99e-05	0.0
502	96	-0.05	-0.15	-0.29	-3.75e-05	-9.12e-05	0.0
502	112	1.65e-03	-5.47e-03	-0.29	-3.59e-05	-9.21e-05	0.0
502	116	1.65e-03	-5.47e-03	-0.29	-3.59e-05	-9.21e-05	0.0
502	120	1.65e-03	-5.47e-03	-0.29	-3.59e-05	-9.21e-05	0.0
502	124	1.65e-03	-5.47e-03	-0.29	-3.59e-05	-9.21e-05	0.0
503	4	1.35e-03	-7.67e-03	-0.38	-2.77e-05	-7.43e-05	0.0
503	12	1.17e-03	-6.65e-03	-0.31	-2.40e-05	-6.44e-05	0.0
503	13	0.13	0.08	-0.28	-1.68e-05	-4.76e-05	0.0
503	27	-0.11	0.07	-0.28	-1.91e-05	-5.20e-05	0.0
503	32	-0.05	-0.16	-0.28	-1.93e-05	-4.90e-05	0.0
503	45	0.06	0.04	-0.28	-1.77e-05	-4.86e-05	0.0
503	59	-0.05	0.03	-0.28	-1.87e-05	-5.07e-05	0.0
503	64	-0.02	-0.08	-0.28	-1.88e-05	-4.93e-05	0.0
503	77	0.13	0.08	-0.28	-1.68e-05	-4.76e-05	0.0
503	96	-0.05	-0.16	-0.28	-1.93e-05	-4.90e-05	0.0
503	112	9.02e-04	-5.12e-03	-0.28	-1.84e-05	-4.95e-05	0.0
503	116	9.02e-04	-5.12e-03	-0.28	-1.84e-05	-4.95e-05	0.0
503	120	9.02e-04	-5.12e-03	-0.28	-1.84e-05	-4.95e-05	0.0
503	124	9.02e-04	-5.12e-03	-0.28	-1.84e-05	-4.95e-05	0.0
504	2	0.0	0.0	-0.37	0.0	0.0	0.0
504	4	6.33e-04	-7.34e-03	-0.37	-1.18e-05	-3.31e-05	0.0
504	10	0.0	0.0	-0.30	0.0	0.0	0.0
504	13	0.13	0.09	-0.27	-6.87e-06	-2.06e-05	0.0
504	27	-0.11	0.08	-0.27	-8.36e-06	-2.42e-05	0.0
504	32	-0.05	-0.17	-0.27	-8.04e-06	-2.18e-05	0.0
504	45	0.06	0.04	-0.27	-7.40e-06	-2.14e-05	0.0
504	59	-0.05	0.03	-0.27	-8.11e-06	-2.30e-05	0.0
504	64	-0.03	-0.08	-0.27	-7.96e-06	-2.19e-05	0.0
504	77	0.13	0.09	-0.27	-6.87e-06	-2.06e-05	0.0
504	96	-0.05	-0.17	-0.27	-8.04e-06	-2.18e-05	0.0
504	110	0.0	0.0	-0.27	0.0	0.0	0.0
504	112	4.22e-04	-4.89e-03	-0.27	-7.88e-06	-2.20e-05	0.0
504	114	0.0	0.0	-0.27	0.0	0.0	0.0
504	116	4.22e-04	-4.89e-03	-0.27	-7.88e-06	-2.20e-05	0.0
504	118	0.0	0.0	-0.27	0.0	0.0	0.0
504	120	4.22e-04	-4.89e-03	-0.27	-7.88e-06	-2.20e-05	0.0
504	122	0.0	0.0	-0.27	0.0	0.0	0.0
504	124	4.22e-04	-4.89e-03	-0.27	-7.88e-06	-2.20e-05	0.0
505	2	0.0	0.0	-0.37	0.0	0.0	0.0
505	4	2.26e-04	-7.14e-03	-0.37	-3.22e-06	-9.68e-06	0.0
505	10	0.0	0.0	-0.30	0.0	0.0	0.0
505	13	0.13	0.10	-0.27	-1.55e-06	-5.57e-06	0.0
505	27	-0.11	0.09	-0.27	-2.64e-06	-8.33e-06	0.0
505	32	-0.06	-0.17	-0.27	-2.16e-06	-6.41e-06	0.0
505	45	0.06	0.05	-0.27	-1.86e-06	-6.03e-06	0.0
505	59	-0.05	0.04	-0.27	-2.38e-06	-7.35e-06	0.0
505	64	-0.03	-0.09	-0.27	-2.15e-06	-6.43e-06	0.0
505	77	0.13	0.10	-0.27	-1.55e-06	-5.57e-06	0.0
505	96	-0.06	-0.17	-0.27	-2.16e-06	-6.41e-06	0.0
505	110	0.0	0.0	-0.27	0.0	0.0	0.0
505	112	1.51e-04	-4.76e-03	-0.27	-2.15e-06	-6.45e-06	0.0
505	114	0.0	0.0	-0.27	0.0	0.0	0.0
505	116	1.51e-04	-4.76e-03	-0.27	-2.15e-06	-6.45e-06	0.0
505	118	0.0	0.0	-0.27	0.0	0.0	0.0
505	120	1.51e-04	-4.76e-03	-0.27	-2.15e-06	-6.45e-06	0.0
505	122	0.0	0.0	-0.27	0.0	0.0	0.0
505	124	1.51e-04	-4.76e-03	-0.27	-2.15e-06	-6.45e-06	0.0
506	2	0.0	0.0	-0.37	0.0	0.0	0.0

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506	4	3.08e-05	-7.02e-03	-0.37	0.0	1.65e-06	0.0
506	7	3.08e-05	-7.02e-03	-0.20	0.0	1.65e-06	0.0
506	10	0.0	0.0	-0.30	0.0	0.0	0.0
506	13	0.13	0.11	-0.27	0.0	1.60e-06	0.0
506	14	0.12	0.02	-0.27	0.0	1.41e-06	0.0
506	32	-0.06	-0.18	-0.27	0.0	0.0	0.0
506	45	0.06	0.05	-0.27	0.0	1.34e-06	0.0
506	46	0.06	5.11e-03	-0.27	0.0	1.25e-06	0.0
506	64	-0.03	-0.09	-0.27	0.0	0.0	0.0
506	77	0.13	0.11	-0.27	0.0	1.60e-06	0.0
506	96	-0.06	-0.18	-0.27	0.0	0.0	0.0
506	110	0.0	0.0	-0.27	0.0	0.0	0.0
506	111	2.05e-05	-4.68e-03	-0.19	0.0	1.10e-06	0.0
506	112	2.05e-05	-4.68e-03	-0.27	0.0	1.10e-06	0.0
506	114	0.0	0.0	-0.27	0.0	0.0	0.0
506	115	2.05e-05	-4.68e-03	-0.19	0.0	1.10e-06	0.0
506	116	2.05e-05	-4.68e-03	-0.27	0.0	1.10e-06	0.0
506	118	0.0	0.0	-0.27	0.0	0.0	0.0
506	119	2.05e-05	-4.68e-03	-0.19	0.0	1.10e-06	0.0
506	120	2.05e-05	-4.68e-03	-0.27	0.0	1.10e-06	0.0
506	122	0.0	0.0	-0.27	0.0	0.0	0.0
506	123	2.05e-05	-4.68e-03	-0.19	0.0	1.10e-06	0.0
506	124	2.05e-05	-4.68e-03	-0.27	0.0	1.10e-06	0.0
507	2	0.0	0.0	-0.37	0.0	0.0	0.0
507	4	-4.04e-05	-6.96e-03	-0.37	2.32e-06	5.89e-06	0.0
507	10	0.0	0.0	-0.30	0.0	0.0	0.0
507	16	-0.13	-0.13	-0.27	1.64e-06	4.27e-06	0.0
507	32	-0.06	-0.19	-0.27	1.09e-06	3.32e-06	0.0
507	38	0.06	-0.09	-0.27	2.24e-06	5.13e-06	0.0
507	48	-0.06	-0.06	-0.27	1.59e-06	4.09e-06	0.0
507	64	-0.03	-0.09	-0.27	1.33e-06	3.63e-06	0.0
507	70	0.03	-0.04	-0.27	1.88e-06	4.50e-06	0.0
507	80	-0.13	-0.13	-0.27	1.64e-06	4.27e-06	0.0
507	96	-0.06	-0.19	-0.27	1.09e-06	3.32e-06	0.0
507	110	0.0	0.0	-0.27	0.0	0.0	0.0
507	112	-2.70e-05	-4.64e-03	-0.27	1.55e-06	3.93e-06	0.0
507	114	0.0	0.0	-0.27	0.0	0.0	0.0
507	116	-2.70e-05	-4.64e-03	-0.27	1.55e-06	3.93e-06	0.0
507	118	0.0	0.0	-0.27	0.0	0.0	0.0
507	120	-2.70e-05	-4.64e-03	-0.27	1.55e-06	3.93e-06	0.0
507	122	0.0	0.0	-0.27	0.0	0.0	0.0
507	124	-2.70e-05	-4.64e-03	-0.27	1.55e-06	3.93e-06	0.0
508	2	0.0	0.0	-0.37	0.0	0.0	0.0
508	4	-5.04e-05	-6.92e-03	-0.37	2.62e-06	6.65e-06	0.0
508	10	0.0	0.0	-0.30	0.0	0.0	0.0
508	16	-0.14	-0.14	-0.27	2.21e-06	5.18e-06	0.0
508	32	-0.07	-0.20	-0.27	1.01e-06	3.44e-06	0.0
508	42	0.06	-0.14	-0.27	3.48e-06	6.90e-06	0.0
508	48	-0.07	-0.07	-0.27	1.97e-06	4.79e-06	0.0
508	64	-0.03	-0.10	-0.27	1.39e-06	3.96e-06	0.0
508	74	0.03	-0.07	-0.27	2.57e-06	5.61e-06	0.0
508	80	-0.14	-0.14	-0.27	2.21e-06	5.18e-06	0.0
508	96	-0.07	-0.20	-0.27	1.01e-06	3.44e-06	0.0
508	110	0.0	0.0	-0.27	0.0	0.0	0.0
508	112	-3.36e-05	-4.62e-03	-0.27	1.75e-06	4.44e-06	0.0
508	114	0.0	0.0	-0.27	0.0	0.0	0.0
508	116	-3.36e-05	-4.62e-03	-0.27	1.75e-06	4.44e-06	0.0
508	118	0.0	0.0	-0.27	0.0	0.0	0.0
508	120	-3.36e-05	-4.62e-03	-0.27	1.75e-06	4.44e-06	0.0
508	122	0.0	0.0	-0.27	0.0	0.0	0.0
508	124	-3.36e-05	-4.62e-03	-0.27	1.75e-06	4.44e-06	0.0
509	2	0.0	0.0	-0.37	0.0	0.0	0.0
509	4	-3.88e-05	-6.90e-03	-0.37	2.53e-06	6.20e-06	0.0
509	10	0.0	0.0	-0.30	0.0	0.0	0.0
509	16	-0.14	-0.15	-0.27	2.54e-06	5.24e-06	0.0

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509	26	0.11	-0.13	-0.27	4.12e-06	7.58e-06	0.0
509	32	-0.07	-0.21	-0.27	0.0	2.72e-06	0.0
509	48	-0.07	-0.07	-0.27	2.10e-06	4.66e-06	0.0
509	58	0.05	-0.06	-0.27	2.85e-06	5.79e-06	0.0
509	64	-0.03	-0.10	-0.27	1.14e-06	3.45e-06	0.0
509	80	-0.14	-0.15	-0.27	2.54e-06	5.24e-06	0.0
509	96	-0.07	-0.21	-0.27	0.0	2.72e-06	0.0
509	110	0.0	0.0	-0.27	0.0	0.0	0.0
509	112	-2.58e-05	-4.60e-03	-0.27	1.69e-06	4.13e-06	0.0
509	114	0.0	0.0	-0.27	0.0	0.0	0.0
509	116	-2.58e-05	-4.60e-03	-0.27	1.69e-06	4.13e-06	0.0
509	118	0.0	0.0	-0.27	0.0	0.0	0.0
509	120	-2.58e-05	-4.60e-03	-0.27	1.69e-06	4.13e-06	0.0
509	122	0.0	0.0	-0.27	0.0	0.0	0.0
509	124	-2.58e-05	-4.60e-03	-0.27	1.69e-06	4.13e-06	0.0
510	2	0.0	0.0	-0.37	0.0	0.0	0.0
510	4	-2.58e-05	-6.87e-03	-0.37	2.45e-06	5.69e-06	0.0
510	10	0.0	0.0	-0.30	0.0	0.0	0.0
510	16	-0.14	-0.16	-0.27	2.91e-06	5.16e-06	0.0
510	26	0.11	-0.14	-0.27	4.91e-06	7.97e-06	0.0
510	32	-0.07	-0.22	-0.27	0.0	2.03e-06	0.0
510	48	-0.07	-0.08	-0.27	2.24e-06	4.44e-06	0.0
510	58	0.05	-0.07	-0.27	3.20e-06	5.79e-06	0.0
510	64	-0.03	-0.11	-0.27	0.0	2.94e-06	0.0
510	80	-0.14	-0.16	-0.27	2.91e-06	5.16e-06	0.0
510	96	-0.07	-0.22	-0.27	0.0	2.03e-06	0.0
510	110	0.0	0.0	-0.27	0.0	0.0	0.0
510	112	-1.72e-05	-4.58e-03	-0.27	1.63e-06	3.80e-06	0.0
510	114	0.0	0.0	-0.27	0.0	0.0	0.0
510	116	-1.72e-05	-4.58e-03	-0.27	1.63e-06	3.80e-06	0.0
510	118	0.0	0.0	-0.27	0.0	0.0	0.0
510	120	-1.72e-05	-4.58e-03	-0.27	1.63e-06	3.80e-06	0.0
510	122	0.0	0.0	-0.27	0.0	0.0	0.0
510	124	-1.72e-05	-4.58e-03	-0.27	1.63e-06	3.80e-06	0.0
511	4	-1.66e-05	-6.85e-03	-0.37	2.45e-06	5.42e-06	0.0
511	12	-1.43e-05	-5.94e-03	-0.30	2.12e-06	4.70e-06	0.0
511	16	-0.14	-0.17	-0.27	3.29e-06	5.09e-06	0.0
511	26	0.11	-0.15	-0.28	5.61e-06	8.03e-06	0.0
511	32	-0.07	-0.22	-0.27	0.0	1.75e-06	0.0
511	48	-0.07	-0.08	-0.27	2.43e-06	4.32e-06	0.0
511	58	0.05	-0.07	-0.27	3.53e-06	5.73e-06	0.0
511	64	-0.04	-0.11	-0.27	0.0	2.72e-06	0.0
511	80	-0.14	-0.17	-0.27	3.29e-06	5.09e-06	0.0
511	96	-0.07	-0.22	-0.27	0.0	1.75e-06	0.0
511	112	-1.10e-05	-4.57e-03	-0.27	1.63e-06	3.61e-06	0.0
511	116	-1.10e-05	-4.57e-03	-0.27	1.63e-06	3.61e-06	0.0
511	120	-1.10e-05	-4.57e-03	-0.27	1.63e-06	3.61e-06	0.0
511	124	-1.10e-05	-4.57e-03	-0.27	1.63e-06	3.61e-06	0.0
512	4	2.84e-03	-7.83e-03	-0.40	-3.22e-05	-1.61e-04	0.0
512	12	2.46e-03	-6.78e-03	-0.32	-2.79e-05	-1.39e-04	0.0
512	13	0.12	0.07	-0.29	-1.97e-05	-1.04e-04	0.0
512	27	-0.11	0.06	-0.29	-2.15e-05	-1.11e-04	0.0
512	32	-0.04	-0.15	-0.29	-2.34e-05	-1.07e-04	0.0
512	45	0.06	0.03	-0.29	-2.06e-05	-1.06e-04	0.0
512	59	-0.05	0.03	-0.29	-2.15e-05	-1.09e-04	0.0
512	64	-0.02	-0.07	-0.29	-2.24e-05	-1.07e-04	0.0
512	77	0.12	0.07	-0.29	-1.97e-05	-1.04e-04	0.0
512	96	-0.04	-0.15	-0.29	-2.34e-05	-1.07e-04	0.0
512	112	1.89e-03	-5.22e-03	-0.29	-2.14e-05	-1.07e-04	0.0
512	116	1.89e-03	-5.22e-03	-0.29	-2.14e-05	-1.07e-04	0.0
512	120	1.89e-03	-5.22e-03	-0.29	-2.14e-05	-1.07e-04	0.0
512	124	1.89e-03	-5.22e-03	-0.29	-2.14e-05	-1.07e-04	0.0
513	4	1.55e-03	-7.47e-03	-0.38	-1.65e-05	-8.72e-05	0.0
513	12	1.34e-03	-6.48e-03	-0.31	-1.43e-05	-7.56e-05	0.0
513	13	0.12	0.08	-0.28	-9.77e-06	-5.57e-05	0.0

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513	27	-0.11	0.07	-0.28	-1.09e-05	-6.10e-05	0.0
513	32	-0.04	-0.16	-0.28	-1.20e-05	-5.83e-05	0.0
513	45	0.06	0.04	-0.28	-1.04e-05	-5.70e-05	0.0
513	59	-0.05	0.03	-0.28	-1.10e-05	-5.95e-05	0.0
513	64	-0.02	-0.08	-0.28	-1.15e-05	-5.82e-05	0.0
513	77	0.12	0.08	-0.28	-9.77e-06	-5.57e-05	0.0
513	96	-0.04	-0.16	-0.28	-1.20e-05	-5.83e-05	0.0
513	112	1.03e-03	-4.98e-03	-0.28	-1.10e-05	-5.82e-05	0.0
513	116	1.03e-03	-4.98e-03	-0.28	-1.10e-05	-5.82e-05	0.0
513	120	1.03e-03	-4.98e-03	-0.28	-1.10e-05	-5.82e-05	0.0
513	124	1.03e-03	-4.98e-03	-0.28	-1.10e-05	-5.82e-05	0.0
514	4	7.18e-04	-7.25e-03	-0.37	-7.08e-06	-3.95e-05	0.0
514	12	6.22e-04	-6.28e-03	-0.30	-6.14e-06	-3.43e-05	0.0
514	13	0.12	0.09	-0.27	-3.88e-06	-2.45e-05	0.0
514	27	-0.11	0.08	-0.27	-4.66e-06	-2.86e-05	0.0
514	32	-0.04	-0.17	-0.27	-5.22e-06	-2.65e-05	0.0
514	45	0.06	0.04	-0.27	-4.32e-06	-2.55e-05	0.0
514	59	-0.05	0.03	-0.27	-4.69e-06	-2.74e-05	0.0
514	64	-0.02	-0.08	-0.27	-4.96e-06	-2.64e-05	0.0
514	77	0.12	0.09	-0.27	-3.88e-06	-2.45e-05	0.0
514	96	-0.04	-0.17	-0.27	-5.22e-06	-2.65e-05	0.0
514	112	4.78e-04	-4.83e-03	-0.27	-4.72e-06	-2.64e-05	0.0
514	116	4.78e-04	-4.83e-03	-0.27	-4.72e-06	-2.64e-05	0.0
514	120	4.78e-04	-4.83e-03	-0.27	-4.72e-06	-2.64e-05	0.0
514	124	4.78e-04	-4.83e-03	-0.27	-4.72e-06	-2.64e-05	0.0
515	2	0.0	0.0	-0.37	0.0	0.0	0.0
515	4	2.43e-04	-7.11e-03	-0.37	-2.00e-06	-1.24e-05	0.0
515	7	2.43e-04	-7.11e-03	-0.20	-2.00e-06	-1.24e-05	0.0
515	10	0.0	0.0	-0.30	0.0	0.0	0.0
515	13	0.12	0.10	-0.27	0.0	-6.98e-06	0.0
515	27	-0.11	0.09	-0.27	-1.03e-06	-1.00e-05	0.0
515	32	-0.05	-0.17	-0.27	-1.33e-06	-8.43e-06	0.0
515	45	0.06	0.05	-0.27	-1.11e-06	-7.64e-06	0.0
515	59	-0.05	0.04	-0.27	-1.19e-06	-9.08e-06	0.0
515	64	-0.02	-0.09	-0.27	-1.33e-06	-8.33e-06	0.0
515	77	0.12	0.10	-0.27	0.0	-6.98e-06	0.0
515	96	-0.05	-0.17	-0.27	-1.33e-06	-8.43e-06	0.0
515	110	0.0	0.0	-0.27	0.0	0.0	0.0
515	111	1.62e-04	-4.74e-03	-0.19	-1.33e-06	-8.23e-06	0.0
515	112	1.62e-04	-4.74e-03	-0.27	-1.33e-06	-8.23e-06	0.0
515	114	0.0	0.0	-0.27	0.0	0.0	0.0
515	115	1.62e-04	-4.74e-03	-0.19	-1.33e-06	-8.23e-06	0.0
515	116	1.62e-04	-4.74e-03	-0.27	-1.33e-06	-8.23e-06	0.0
515	118	0.0	0.0	-0.27	0.0	0.0	0.0
515	119	1.62e-04	-4.74e-03	-0.19	-1.33e-06	-8.23e-06	0.0
515	120	1.62e-04	-4.74e-03	-0.27	-1.33e-06	-8.23e-06	0.0
515	122	0.0	0.0	-0.27	0.0	0.0	0.0
515	123	1.62e-04	-4.74e-03	-0.19	-1.33e-06	-8.23e-06	0.0
515	124	1.62e-04	-4.74e-03	-0.27	-1.33e-06	-8.23e-06	0.0
516	2	0.0	0.0	-0.37	0.0	0.0	0.0
516	4	1.32e-05	-7.02e-03	-0.37	0.0	0.0	0.0
516	7	1.32e-05	-7.02e-03	-0.20	0.0	0.0	0.0
516	10	0.0	0.0	-0.30	0.0	0.0	0.0
516	13	0.12	0.11	-0.27	0.0	1.43e-06	0.0
516	24	-0.11	0.02	-0.27	0.0	0.0	0.0
516	32	-0.05	-0.18	-0.27	0.0	0.0	0.0
516	45	0.06	0.05	-0.27	0.0	0.0	0.0
516	56	-0.05	5.84e-03	-0.27	0.0	0.0	0.0
516	64	-0.02	-0.09	-0.27	0.0	0.0	0.0
516	77	0.12	0.11	-0.27	0.0	1.43e-06	0.0
516	96	-0.05	-0.18	-0.27	0.0	0.0	0.0
516	110	0.0	0.0	-0.27	0.0	0.0	0.0
516	111	8.82e-06	-4.68e-03	-0.19	0.0	0.0	0.0
516	112	8.82e-06	-4.68e-03	-0.27	0.0	0.0	0.0
516	114	0.0	0.0	-0.27	0.0	0.0	0.0

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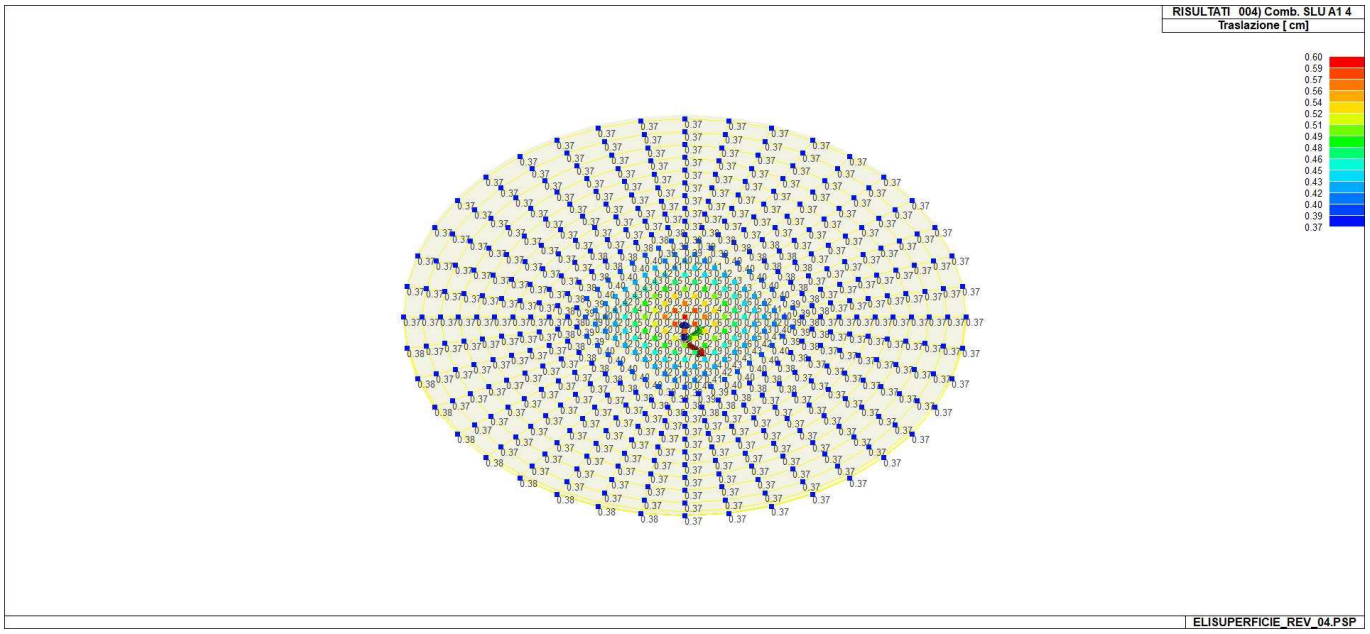
516	115	8.82e-06	-4.68e-03	-0.19	0.0	0.0	0.0
516	116	8.82e-06	-4.68e-03	-0.27	0.0	0.0	0.0
516	118	0.0	0.0	-0.27	0.0	0.0	0.0
516	119	8.82e-06	-4.68e-03	-0.19	0.0	0.0	0.0
516	120	8.82e-06	-4.68e-03	-0.27	0.0	0.0	0.0
516	122	0.0	0.0	-0.27	0.0	0.0	0.0
516	123	8.82e-06	-4.68e-03	-0.19	0.0	0.0	0.0
516	124	8.82e-06	-4.68e-03	-0.27	0.0	0.0	0.0
517	2	0.0	0.0	-0.37	0.0	0.0	0.0
517	4	-7.29e-05	-6.96e-03	-0.37	1.31e-06	5.92e-06	0.0
517	10	0.0	0.0	-0.30	0.0	0.0	0.0
517	16	-0.12	-0.13	-0.27	0.0	4.53e-06	0.0
517	18	0.12	0.04	-0.27	0.0	3.46e-06	0.0
517	32	-0.05	-0.19	-0.27	0.0	3.74e-06	0.0
517	48	-0.06	-0.07	-0.27	0.0	4.23e-06	0.0
517	50	0.06	0.02	-0.27	0.0	3.71e-06	0.0
517	64	-0.02	-0.09	-0.27	0.0	3.85e-06	0.0
517	80	-0.12	-0.13	-0.27	0.0	4.53e-06	0.0
517	96	-0.05	-0.19	-0.27	0.0	3.74e-06	0.0
517	110	0.0	0.0	-0.27	0.0	0.0	0.0
517	112	-4.86e-05	-4.64e-03	-0.27	0.0	3.95e-06	0.0
517	114	0.0	0.0	-0.27	0.0	0.0	0.0
517	116	-4.86e-05	-4.64e-03	-0.27	0.0	3.95e-06	0.0
517	118	0.0	0.0	-0.27	0.0	0.0	0.0
517	120	-4.86e-05	-4.64e-03	-0.27	0.0	3.95e-06	0.0
517	122	0.0	0.0	-0.27	0.0	0.0	0.0
517	124	-4.86e-05	-4.64e-03	-0.27	0.0	3.95e-06	0.0
518	2	0.0	0.0	-0.37	0.0	0.0	0.0
518	4	-8.79e-05	-6.93e-03	-0.37	1.53e-06	6.89e-06	0.0
518	10	0.0	0.0	-0.30	0.0	0.0	0.0
518	16	-0.12	-0.14	-0.27	1.37e-06	5.47e-06	0.0
518	26	0.11	-0.12	-0.27	2.19e-06	6.62e-06	0.0
518	32	-0.05	-0.20	-0.27	0.0	4.20e-06	0.0
518	48	-0.06	-0.07	-0.27	1.19e-06	5.01e-06	0.0
518	58	0.05	-0.06	-0.27	1.58e-06	5.56e-06	0.0
518	64	-0.02	-0.10	-0.27	0.0	4.40e-06	0.0
518	80	-0.12	-0.14	-0.27	1.37e-06	5.47e-06	0.0
518	96	-0.05	-0.20	-0.27	0.0	4.20e-06	0.0
518	110	0.0	0.0	-0.27	0.0	0.0	0.0
518	112	-5.86e-05	-4.62e-03	-0.27	1.02e-06	4.59e-06	0.0
518	114	0.0	0.0	-0.27	0.0	0.0	0.0
518	116	-5.86e-05	-4.62e-03	-0.27	1.02e-06	4.59e-06	0.0
518	118	0.0	0.0	-0.27	0.0	0.0	0.0
518	120	-5.86e-05	-4.62e-03	-0.27	1.02e-06	4.59e-06	0.0
518	122	0.0	0.0	-0.27	0.0	0.0	0.0
518	124	-5.86e-05	-4.62e-03	-0.27	1.02e-06	4.59e-06	0.0
519	2	0.0	0.0	-0.37	0.0	0.0	0.0
519	4	-7.74e-05	-6.90e-03	-0.37	1.52e-06	6.40e-06	0.0
519	10	0.0	0.0	-0.30	0.0	0.0	0.0
519	16	-0.13	-0.15	-0.27	1.71e-06	5.55e-06	0.0
519	26	0.11	-0.13	-0.27	2.88e-06	6.93e-06	0.0
519	32	-0.05	-0.21	-0.27	0.0	3.70e-06	0.0
519	48	-0.06	-0.08	-0.27	1.35e-06	4.88e-06	0.0
519	58	0.05	-0.07	-0.27	1.90e-06	5.54e-06	0.0
519	64	-0.02	-0.10	-0.27	0.0	4.00e-06	0.0
519	80	-0.13	-0.15	-0.27	1.71e-06	5.55e-06	0.0
519	96	-0.05	-0.21	-0.27	0.0	3.70e-06	0.0
519	110	0.0	0.0	-0.27	0.0	0.0	0.0
519	112	-5.16e-05	-4.60e-03	-0.27	1.01e-06	4.27e-06	0.0
519	114	0.0	0.0	-0.27	0.0	0.0	0.0
519	116	-5.16e-05	-4.60e-03	-0.27	1.01e-06	4.27e-06	0.0
519	118	0.0	0.0	-0.27	0.0	0.0	0.0
519	120	-5.16e-05	-4.60e-03	-0.27	1.01e-06	4.27e-06	0.0
519	122	0.0	0.0	-0.27	0.0	0.0	0.0
519	124	-5.16e-05	-4.60e-03	-0.27	1.01e-06	4.27e-06	0.0

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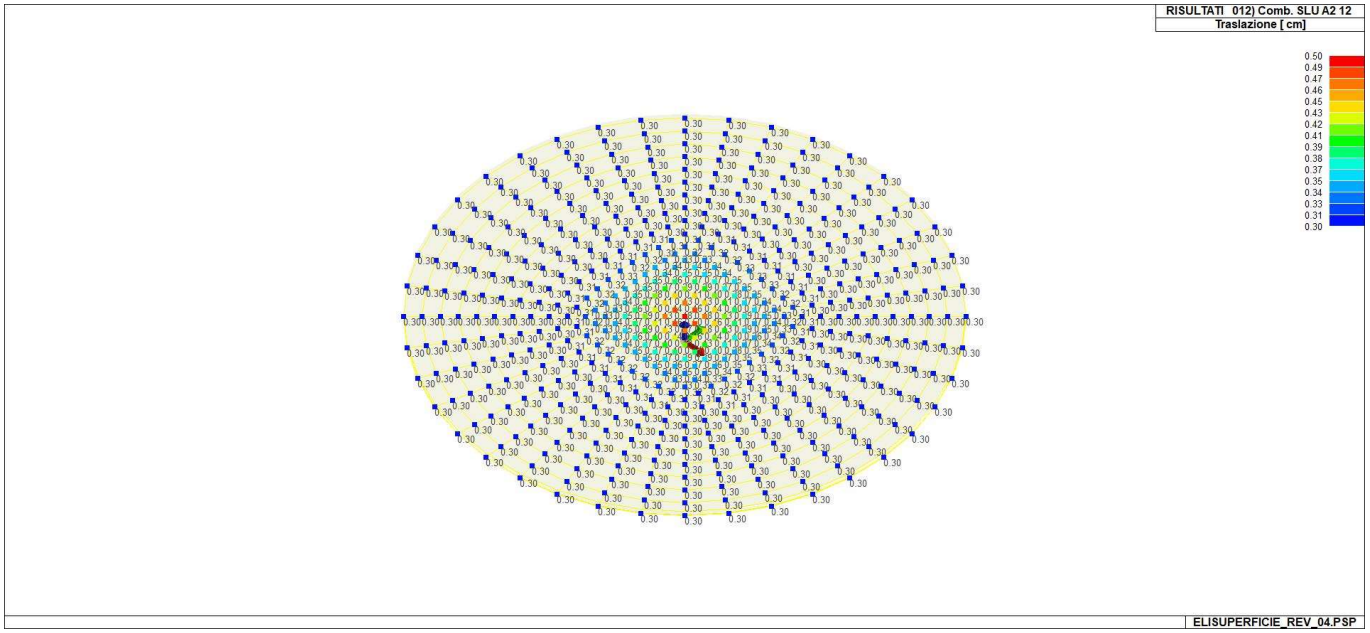
520	2	0.0	0.0	-0.37	0.0	0.0	0.0
520	4	-6.52e-05	-6.87e-03	-0.37	1.51e-06	5.83e-06	0.0
520	10	0.0	0.0	-0.30	0.0	0.0	0.0
520	16	-0.13	-0.16	-0.27	2.10e-06	5.52e-06	0.0
520	26	0.11	-0.14	-0.27	3.69e-06	7.17e-06	0.0
520	32	-0.05	-0.22	-0.27	0.0	3.19e-06	0.0
520	48	-0.06	-0.08	-0.27	1.53e-06	4.67e-06	0.0
520	58	0.05	-0.07	-0.27	2.29e-06	5.46e-06	0.0
520	64	-0.03	-0.11	-0.27	0.0	3.55e-06	0.0
520	80	-0.13	-0.16	-0.27	2.10e-06	5.52e-06	0.0
520	96	-0.05	-0.22	-0.27	0.0	3.19e-06	0.0
520	110	0.0	0.0	-0.27	0.0	0.0	0.0
520	112	-4.35e-05	-4.58e-03	-0.27	1.01e-06	3.89e-06	0.0
520	114	0.0	0.0	-0.27	0.0	0.0	0.0
520	116	-4.35e-05	-4.58e-03	-0.27	1.01e-06	3.89e-06	0.0
520	118	0.0	0.0	-0.27	0.0	0.0	0.0
520	120	-4.35e-05	-4.58e-03	-0.27	1.01e-06	3.89e-06	0.0
520	122	0.0	0.0	-0.27	0.0	0.0	0.0
520	124	-4.35e-05	-4.58e-03	-0.27	1.01e-06	3.89e-06	0.0
521	4	-5.75e-05	-6.85e-03	-0.37	1.56e-06	5.53e-06	0.0
521	12	-4.98e-05	-5.94e-03	-0.30	1.35e-06	4.79e-06	0.0
521	16	-0.13	-0.17	-0.27	2.50e-06	5.50e-06	0.0
521	26	0.11	-0.15	-0.27	4.48e-06	7.21e-06	0.0
521	32	-0.05	-0.23	-0.27	0.0	2.99e-06	0.0
521	48	-0.06	-0.09	-0.27	1.74e-06	4.55e-06	0.0
521	58	0.05	-0.07	-0.27	2.68e-06	5.38e-06	0.0
521	64	-0.03	-0.11	-0.27	0.0	3.35e-06	0.0
521	80	-0.13	-0.17	-0.27	2.50e-06	5.50e-06	0.0
521	96	-0.05	-0.23	-0.27	0.0	2.99e-06	0.0
521	112	-3.83e-05	-4.57e-03	-0.27	1.04e-06	3.69e-06	0.0
521	116	-3.83e-05	-4.57e-03	-0.27	1.04e-06	3.69e-06	0.0
521	120	-3.83e-05	-4.57e-03	-0.27	1.04e-06	3.69e-06	0.0
521	124	-3.83e-05	-4.57e-03	-0.27	1.04e-06	3.69e-06	0.0

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-0.23	-0.23	-0.60	-4.50e-04	-4.48e-04	0.0
	0.23	0.17	-0.19	4.45e-04	4.48e-04	0.0

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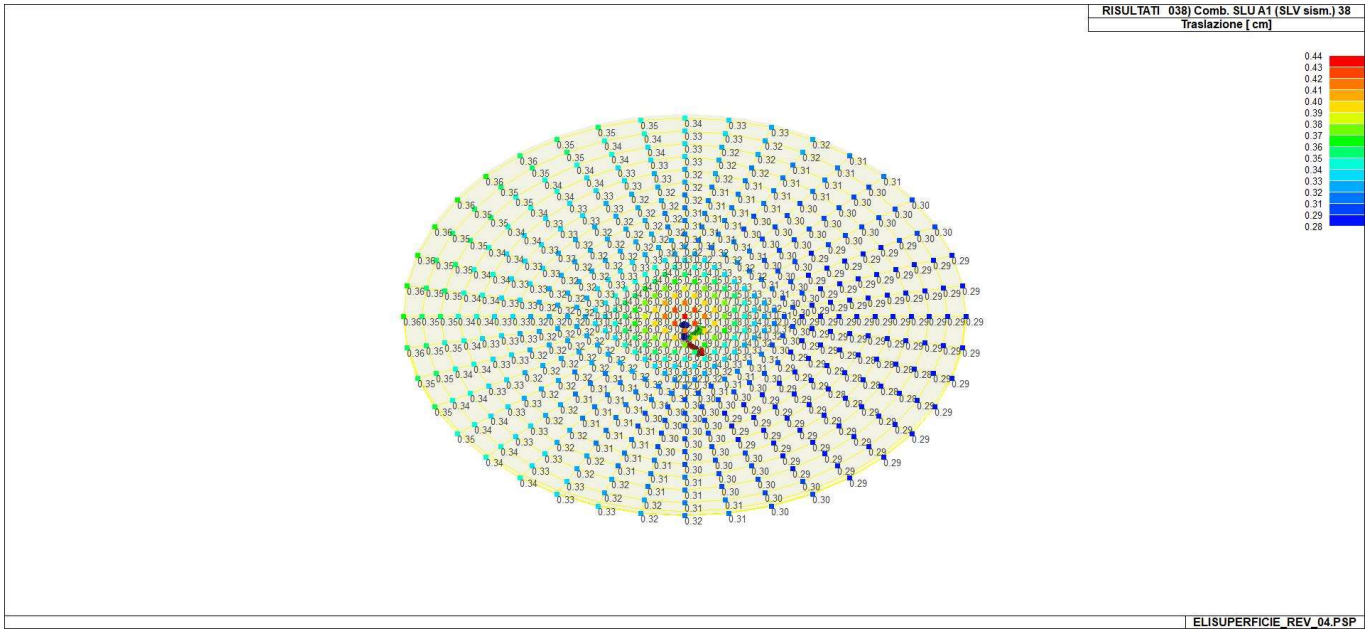


41_RIS_SPOSTAMENTI_004_Comb. SLU A1 4

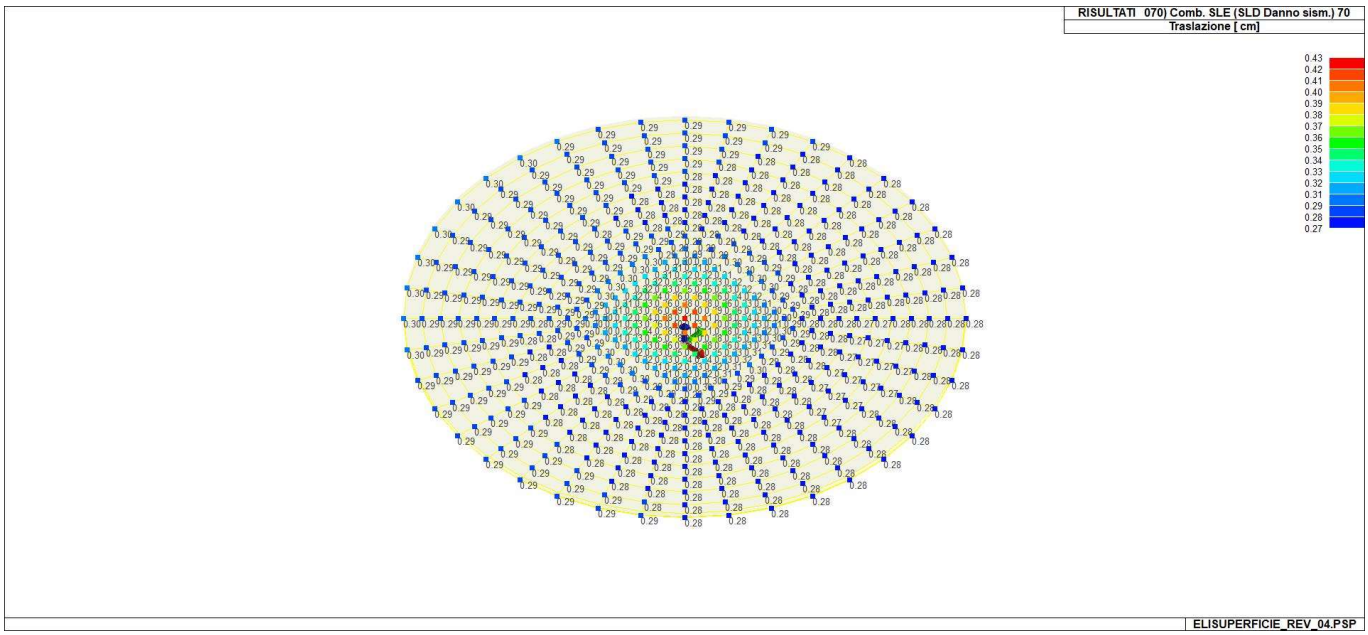


41_RIS_SPOSTAMENTI_012_Comb. SLU A2 12

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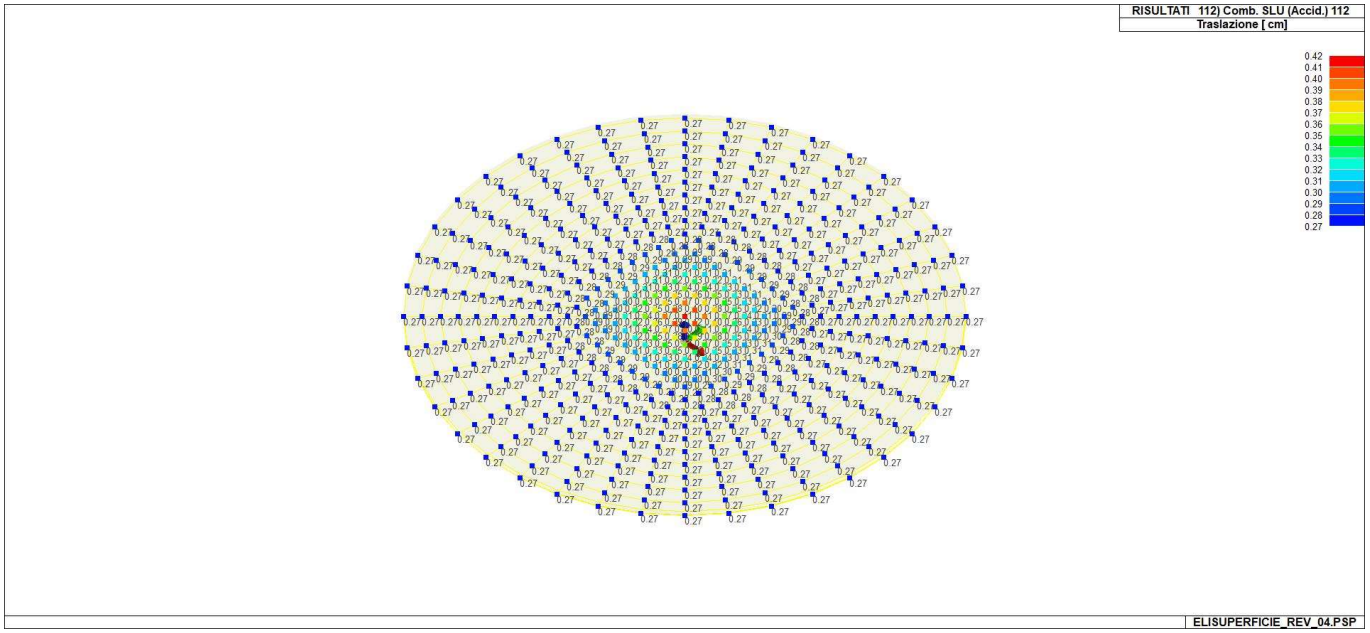


41_RIS_SPOSTAMENTI_038_Comb. SLU A1 (SLV sism.) 38

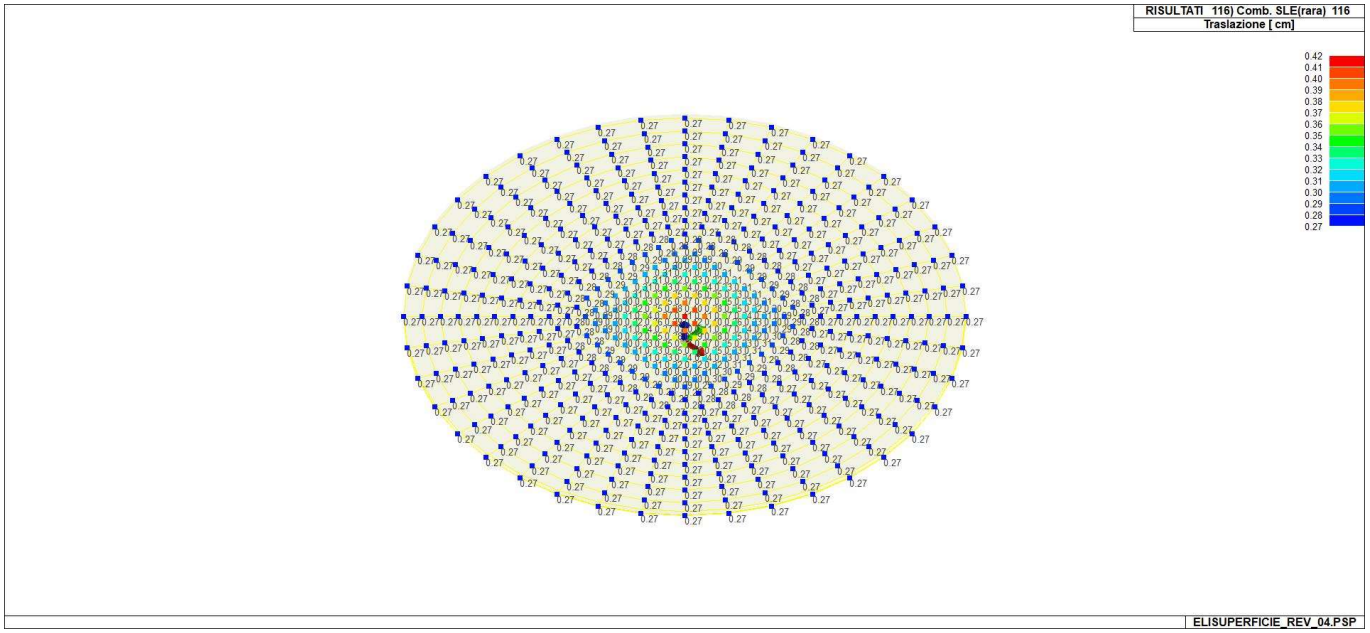


41_RIS_SPOSTAMENTI_070_Comb. SLE (SLD Danno sism.) 70

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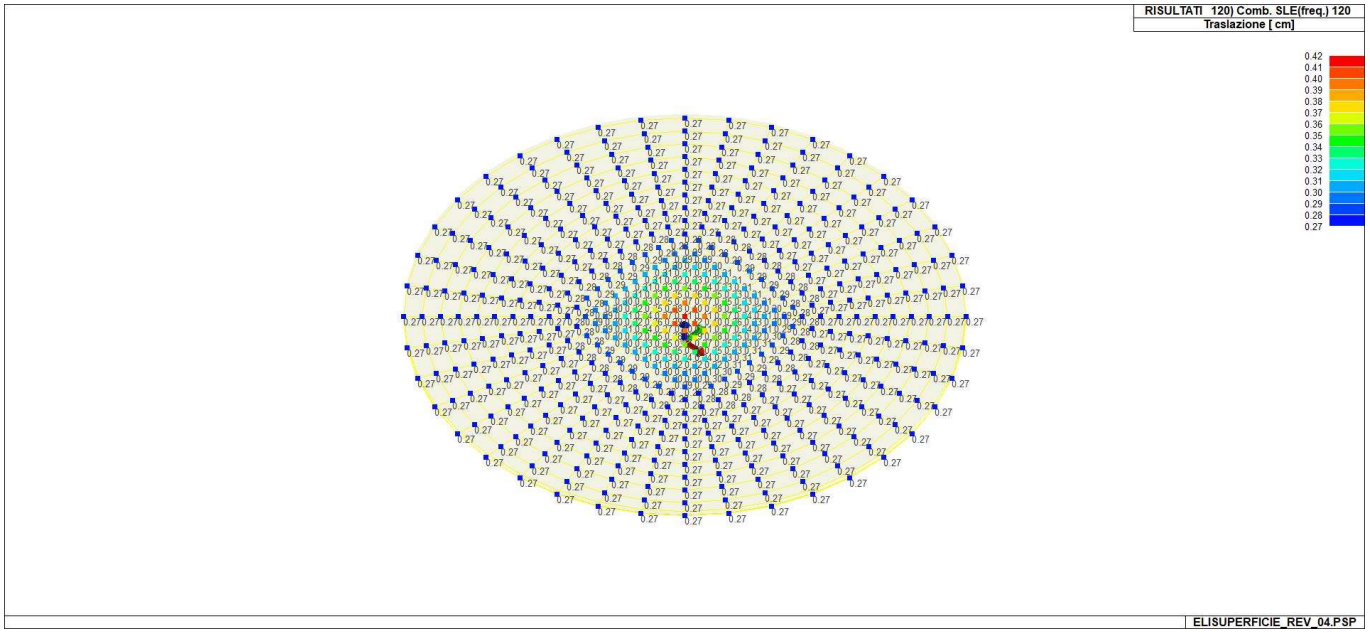


41_RIS_SPOSTAMENTI_112_Comb. SLU (Accid.) 112

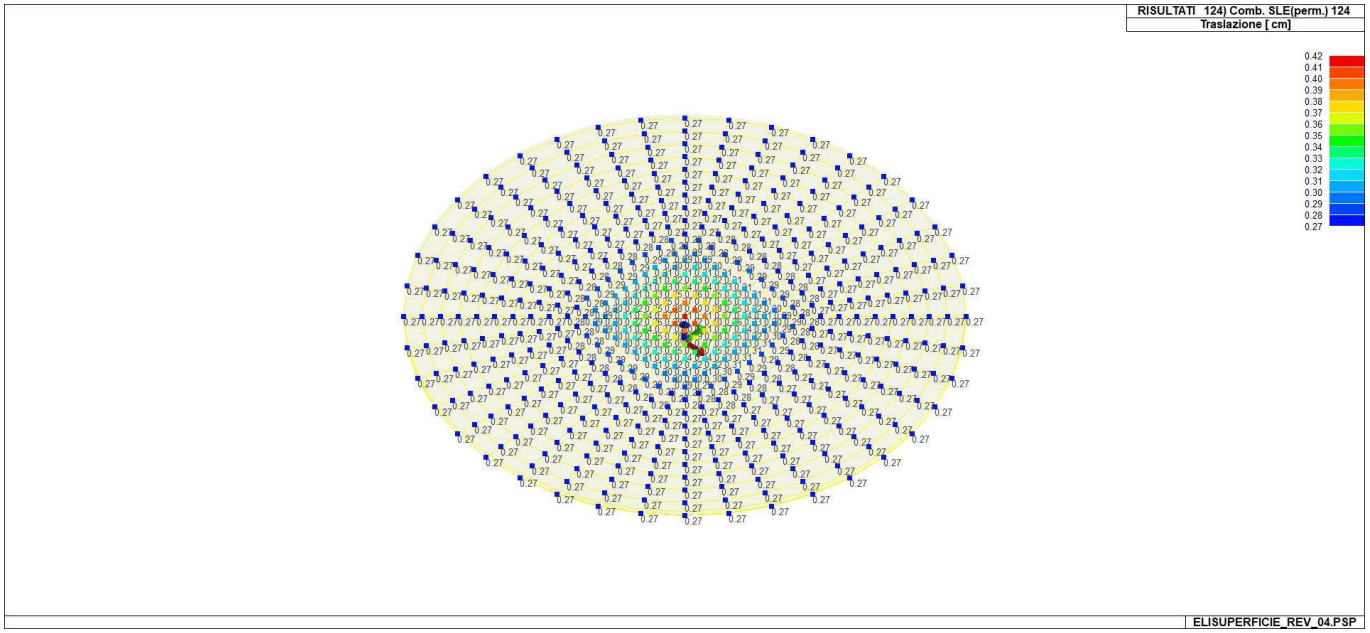


41_RIS_SPOSTAMENTI_116_Comb. SLE(rara) 116

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41_RIS_SPOSTAMENTI_120_Comb. SLE(freq.) 120



41_RIS_SPOSTAMENTI_124_Comb. SLE(perm.) 124

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RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

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

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

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

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

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

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

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

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

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	N/mm2	N/mm2	N/mm2	N/mm2	N/mm2	N/mm2	N/mm2	N/mm2	N/mm2	N/mm2	N/mm2
1	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
2	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
3	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
4	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
5	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
6	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
7	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
8	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
9	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
10	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
11	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
12	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
13	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
14	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
15	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
16	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
17	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
18	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
19	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01			
20	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
21	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
22	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
23	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
24	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
26	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
27	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
28	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
29	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
30	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
31	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
32	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
33	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01			
34	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
35	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
36	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
37	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
38	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
39	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
40	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
41	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
42	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
43	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
44	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
45	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
46	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
47	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
48	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
49	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
50	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
51	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
52	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
53	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
54	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
55	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
56	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
57	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
58	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
59	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			
60	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02			

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61	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
62	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
63	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
64	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
65	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
66	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
67	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
68	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
69	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
70	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
71	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
72	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
73	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
74	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
75	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
76	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
77	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
78	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
79	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
80	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
81	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
82	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
83	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
84	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
85	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
86	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
87	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
88	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
89	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
90	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
91	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
92	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
93	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
94	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
95	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
96	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
97	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
98	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
99	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
100	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
101	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
102	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
103	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
104	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
105	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
106	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
107	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
108	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
109	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
110	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
111	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
112	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
113	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
114	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
115	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
116	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
117	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
118	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
119	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
120	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
121	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
122	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
123	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
124	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
125	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

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Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

126	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
127	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
128	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
129	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
130	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
131	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
132	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
133	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
134	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
135	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
136	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
137	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
138	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
139	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
140	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
141	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
142	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
143	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
144	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
145	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
146	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
147	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
148	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
149	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
150	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
151	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
152	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
153	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
154	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
155	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
156	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
157	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
158	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
159	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
160	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
161	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
163	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
164	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
165	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
166	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
167	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
168	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
169	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
170	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
171	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
172	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
173	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
174	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
175	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
176	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
177	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
178	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
179	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
180	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
181	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
182	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
183	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
184	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
185	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
186	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
187	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
188	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
189	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
190	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

C.S. ING.
società di ingegneria
Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

191	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
192	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
193	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
194	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
195	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
196	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
197	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
198	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
199	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
200	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
201	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
202	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
203	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
204	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
205	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
206	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
207	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
208	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
209	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
210	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
211	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
212	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
213	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
214	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
215	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
216	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
217	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
218	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
219	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
220	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
221	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
222	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
223	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
224	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
225	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
226	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
227	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
228	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
229	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
230	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
231	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
232	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
233	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
234	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
235	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
236	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
237	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
238	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
239	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
240	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
241	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
242	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
243	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
244	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
245	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
246	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
247	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
248	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
249	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
250	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
251	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
252	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
253	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
254	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
255	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

C.S. ING.
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Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

256	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
257	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
258	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
259	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
260	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
261	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
262	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
263	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
264	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
265	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
266	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
267	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
268	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
269	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
270	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
271	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
272	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
273	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
274	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
275	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
276	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
277	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
278	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
279	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
280	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
281	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
282	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
283	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
284	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
285	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
286	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
287	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
288	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
289	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
290	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
291	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
292	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
293	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
294	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
295	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
296	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
297	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
298	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
299	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
300	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
301	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
302	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
303	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
304	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
305	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
306	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
307	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
308	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
309	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
310	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
311	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
312	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
313	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
314	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
315	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
316	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
317	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
318	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
319	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
320	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

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Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

321	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
322	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
323	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
324	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
325	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
326	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
327	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
328	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
329	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
330	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
331	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
332	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
333	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
334	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
335	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
336	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
337	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
338	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
339	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
340	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
341	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
342	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
343	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
344	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
345	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
346	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
347	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
348	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
349	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
350	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
351	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
352	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
353	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
354	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
355	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
356	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
357	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
358	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
359	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
360	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
361	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
362	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
363	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
364	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
365	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
366	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
367	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
368	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
369	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
370	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
371	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
372	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
373	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
374	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
375	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
376	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
377	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
378	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
379	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
380	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
381	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
382	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
383	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
384	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
385	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

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Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

386	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
387	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
388	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
389	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
390	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
391	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
392	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
393	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
394	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
395	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
396	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
397	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
398	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
399	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
400	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
401	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
402	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
403	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
404	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
405	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
406	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
407	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
408	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
409	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
410	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
411	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
412	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
413	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
414	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
415	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
416	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
417	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
418	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
419	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
420	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
421	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
422	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
423	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
424	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
425	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
426	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
427	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
428	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
429	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
430	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
431	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
432	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
433	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
434	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
435	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
436	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
437	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
438	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
439	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
440	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
441	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
442	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
443	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
444	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
445	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
446	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
447	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
448	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
449	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
450	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

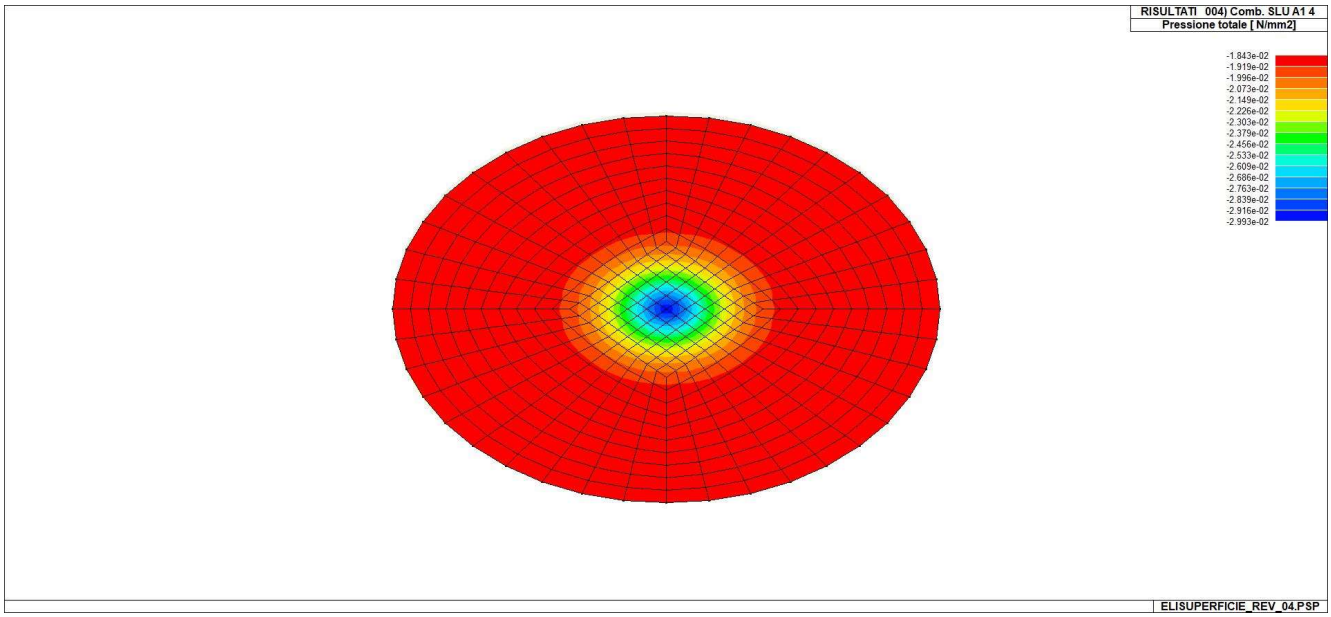
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Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

451	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
452	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
453	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
454	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
455	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
456	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
457	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
458	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
459	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
460	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
461	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
462	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
463	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
464	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
465	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
466	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
467	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
468	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
469	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
470	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
471	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
472	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
473	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
474	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
475	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
476	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
477	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
478	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
479	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
480	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
481	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
482	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
483	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
484	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
485	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
486	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
487	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
488	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
489	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
490	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
491	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
492	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
493	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
494	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
495	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
496	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
497	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
498	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
499	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
500	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
501	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
502	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
503	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
504	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
505	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
506	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
507	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
508	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
509	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
510	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
511	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
512	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
513	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
514	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
515	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

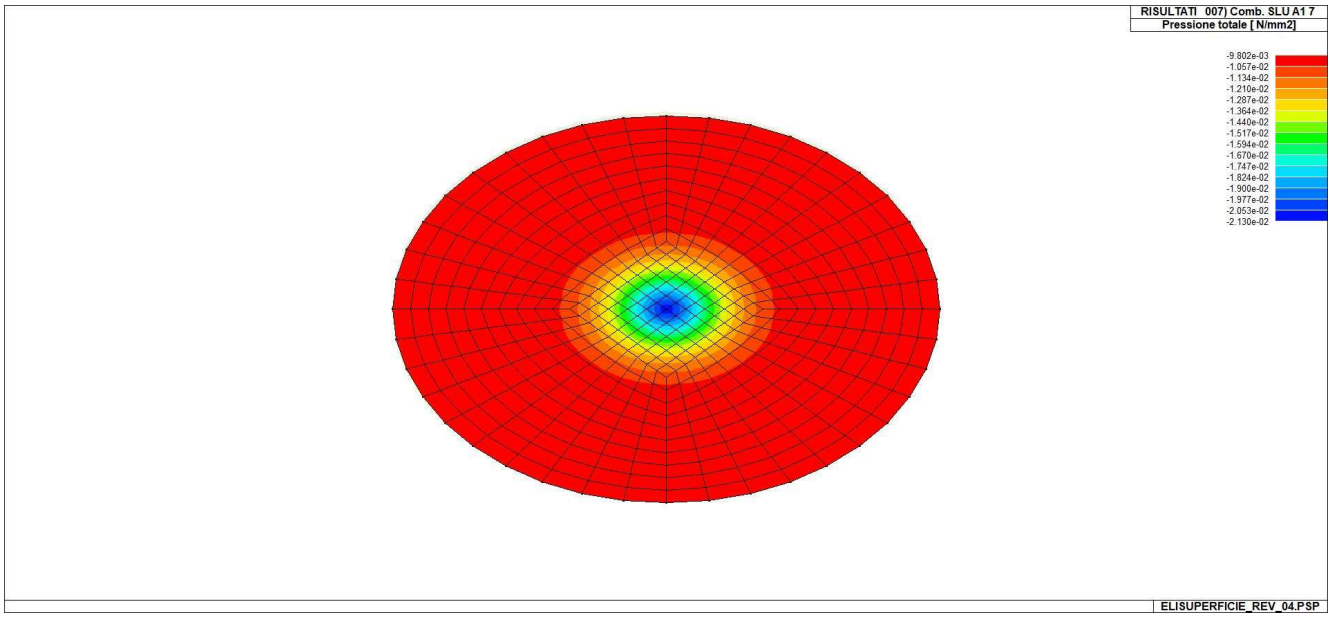
C.S. ING.
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Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

516	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
517	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
518	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
519	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
520	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
521	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...
	-0.03			
	-0.01			

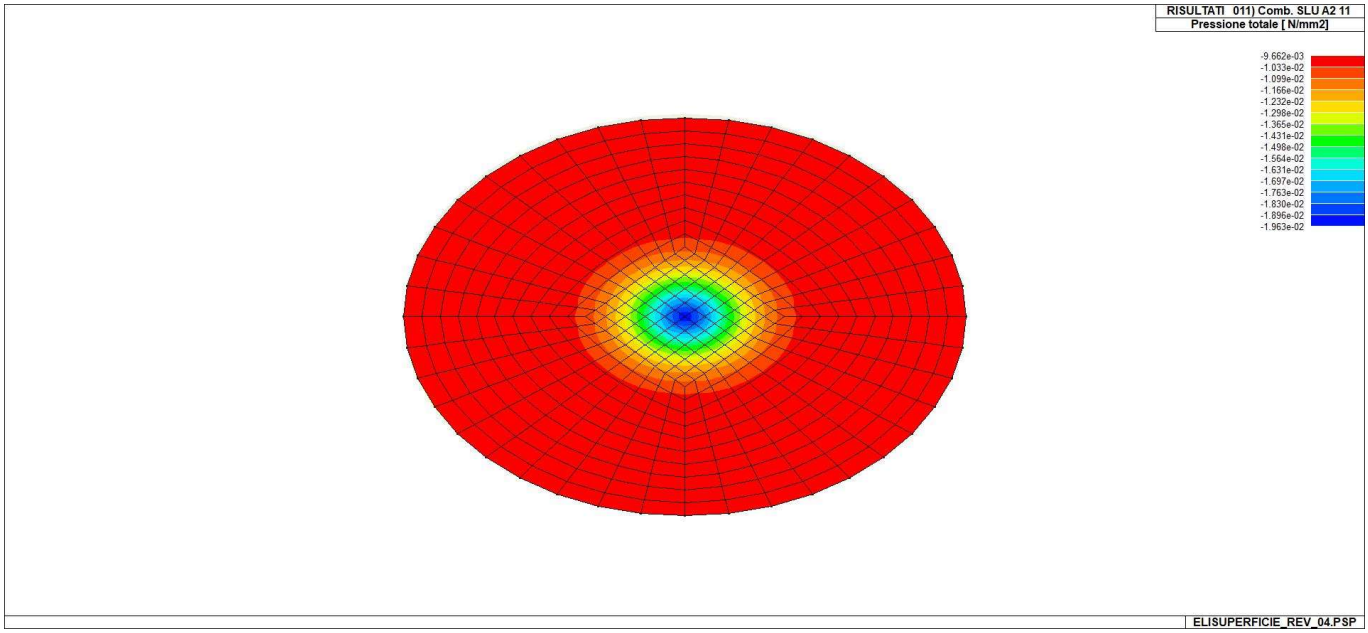


46_RIS_PRESSIONI_004_Comb. SLU A1 4

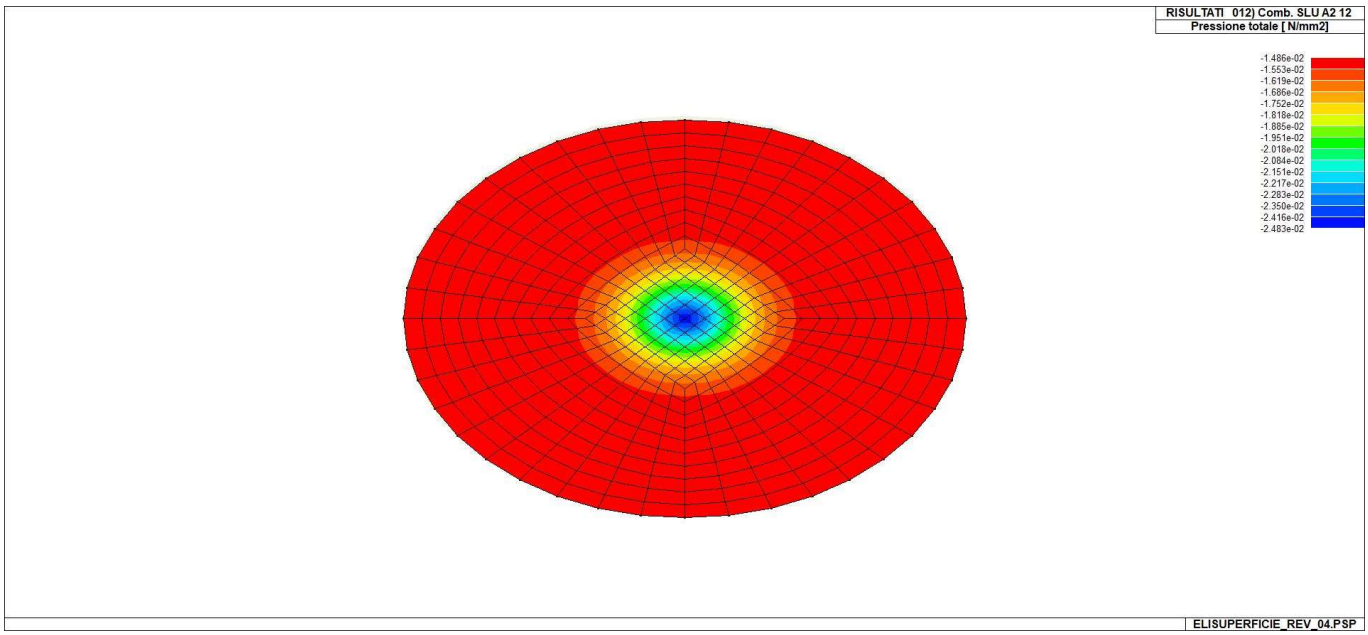


46_RIS_PRESSIONI_007_Comb. SLU A1 7

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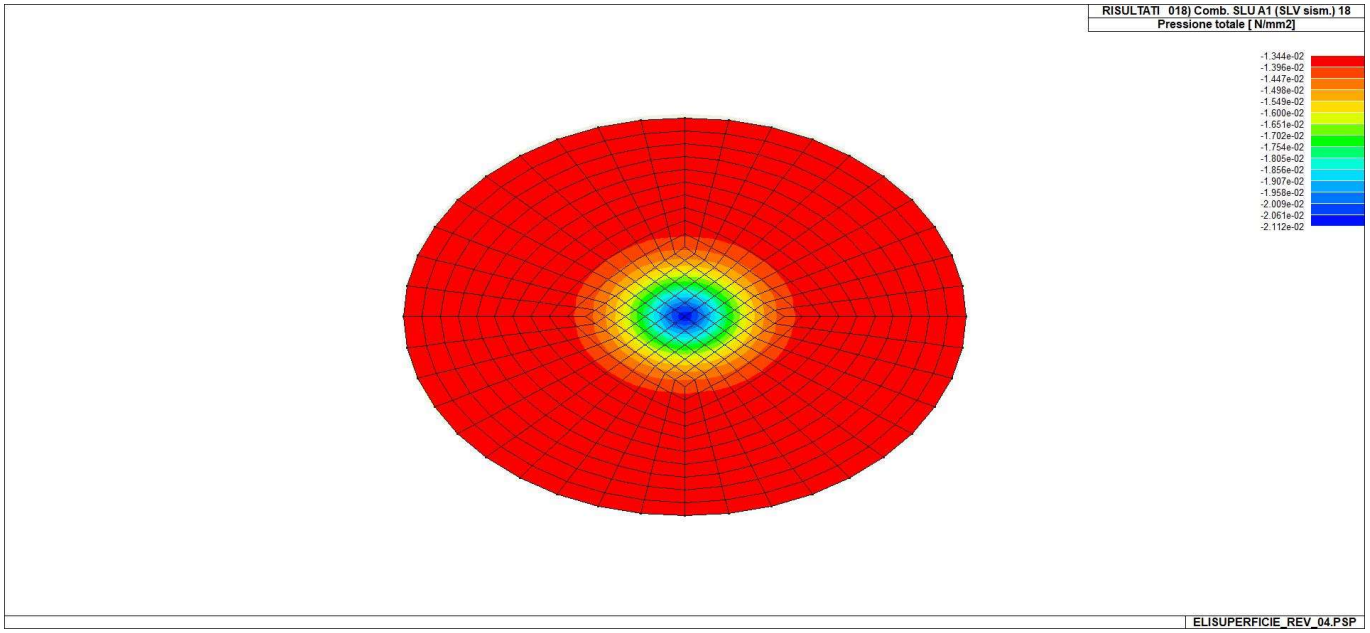


46_RIS_PRESSIONI_011_Comb. SLU A2 11

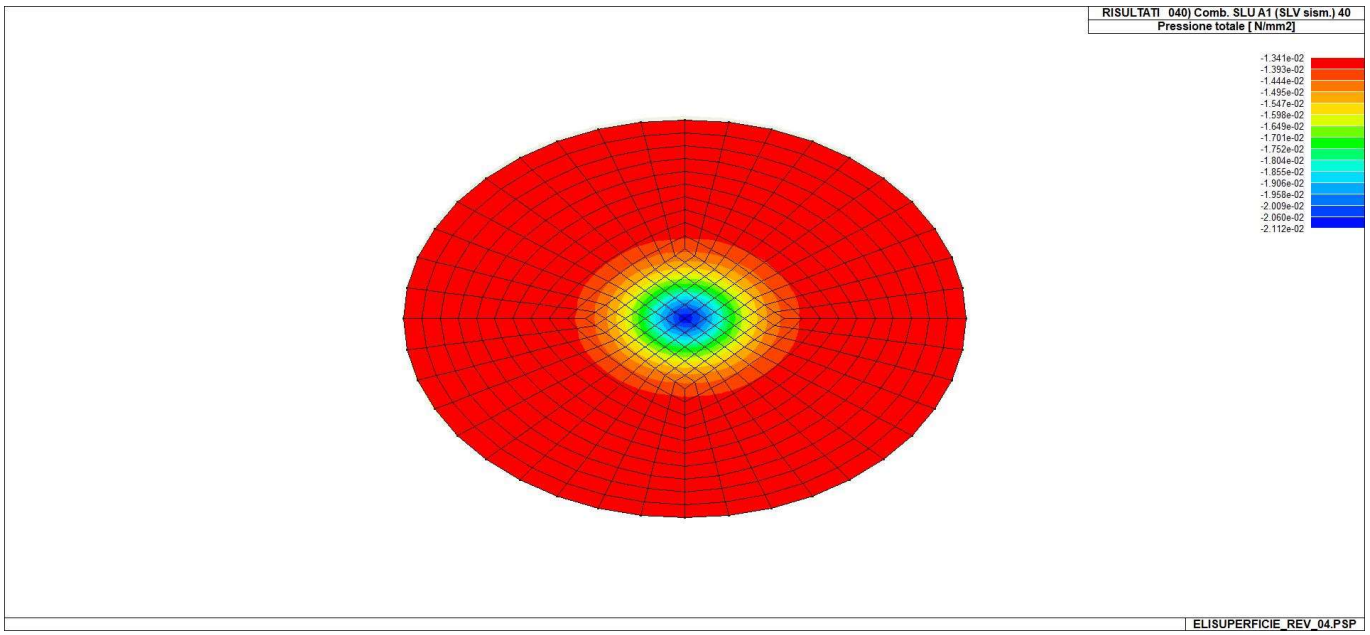


46_RIS_PRESSIONI_012_Comb. SLU A2 12

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Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

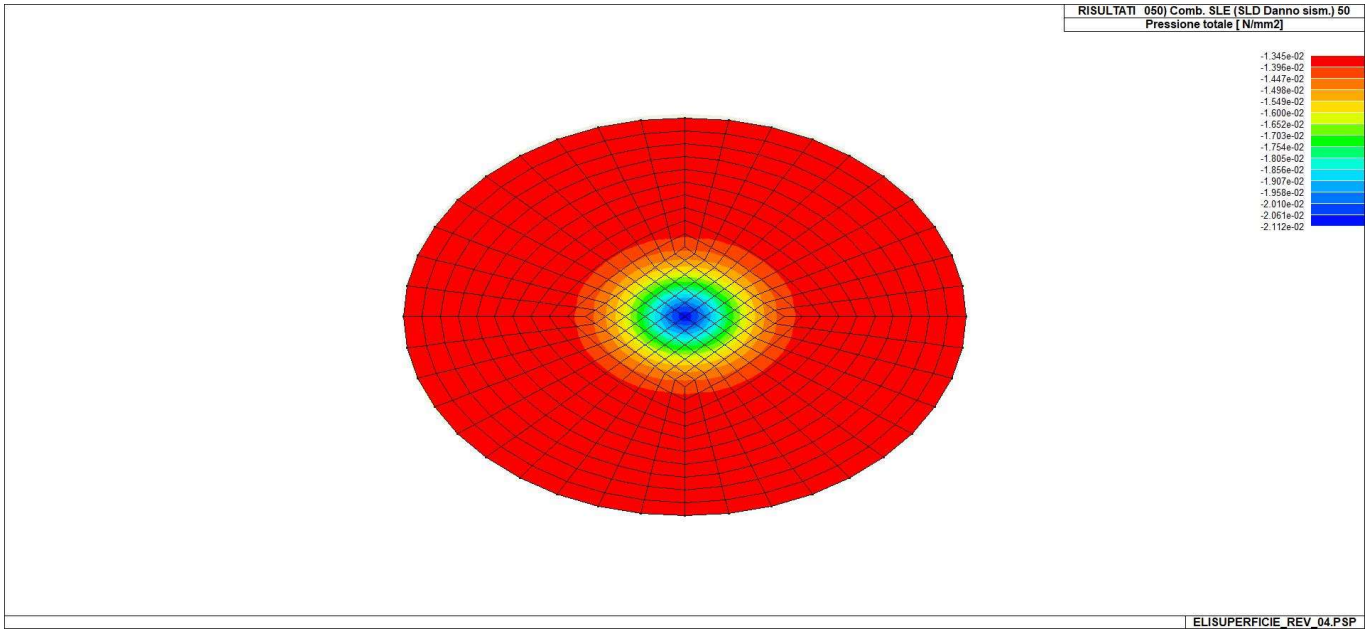


46_RIS_PRESSIONI_018_Comb. SLU A1 (SLV sism.) 18

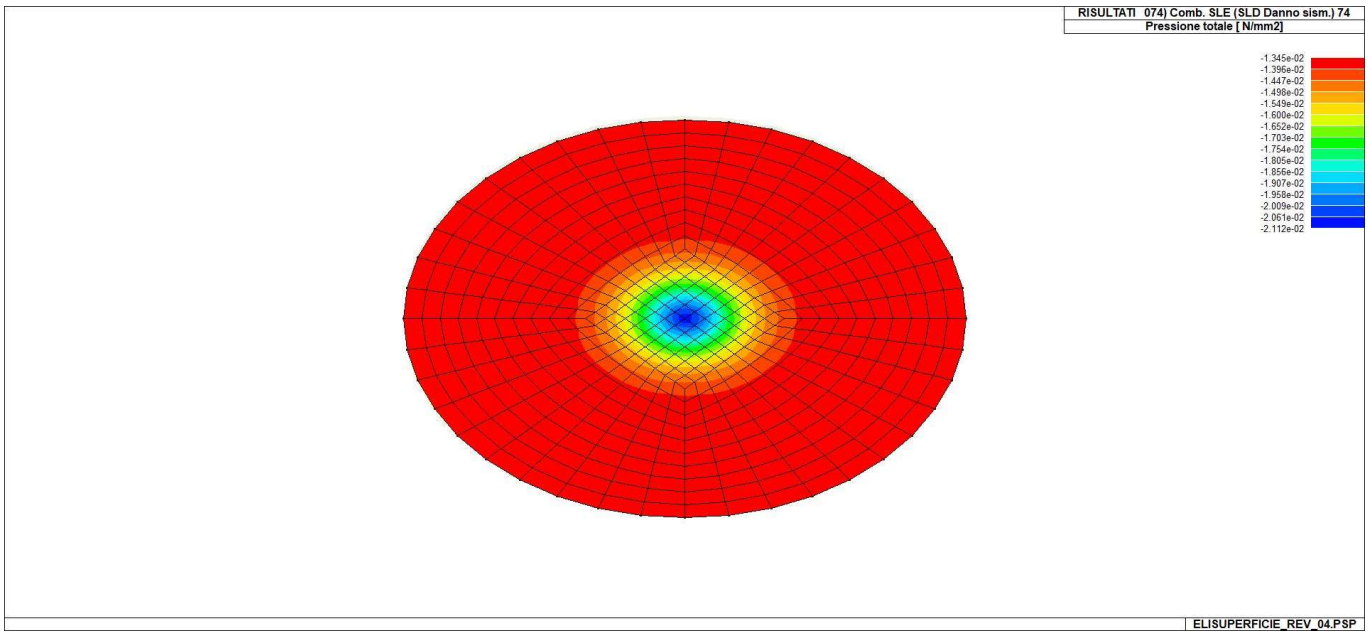


46_RIS_PRESSIONI_040_Comb. SLU A1 (SLV sism.) 40

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Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
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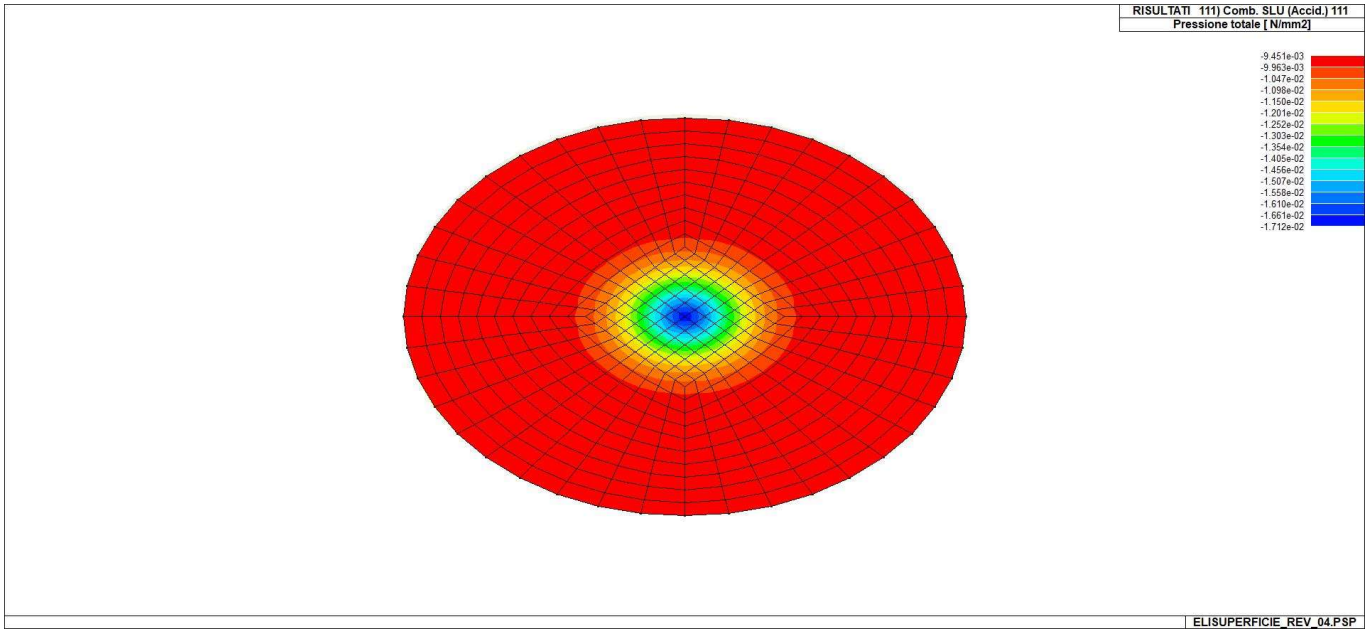


46_RIS_PRESSIONI_050_Comb. SLE (SLD Danno sism.) 50

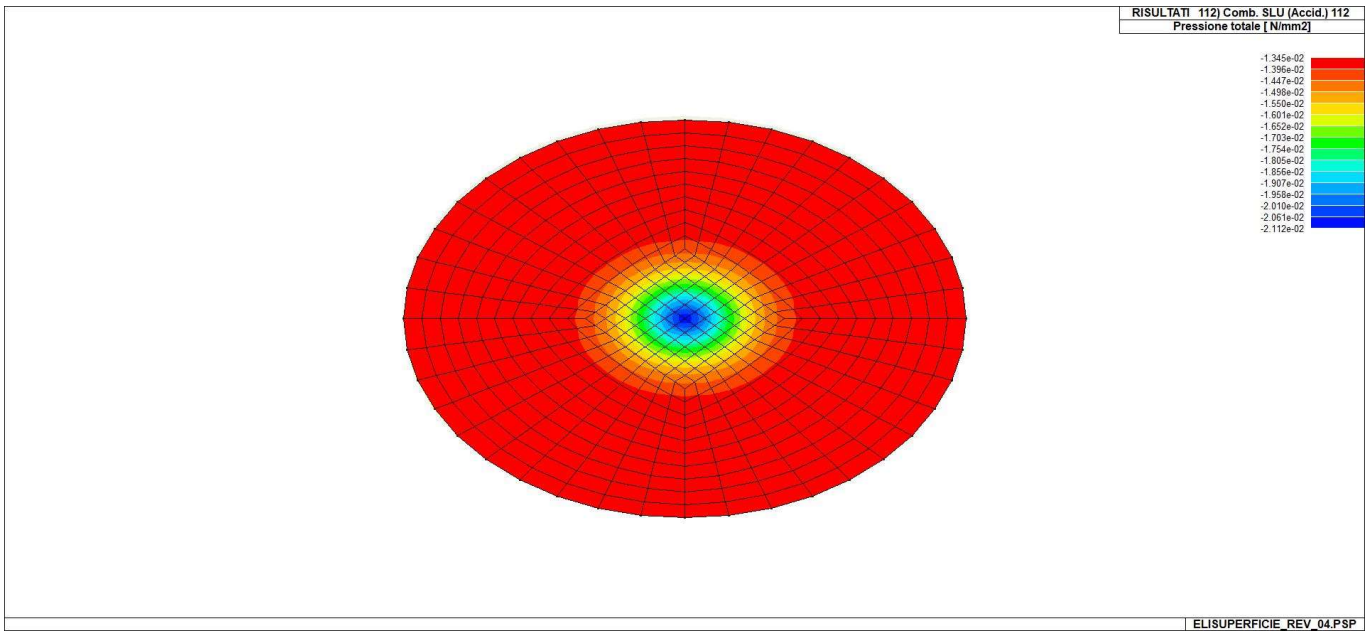


46_RIS_PRESSIONI_074_Comb. SLE (SLD Danno sism.) 74

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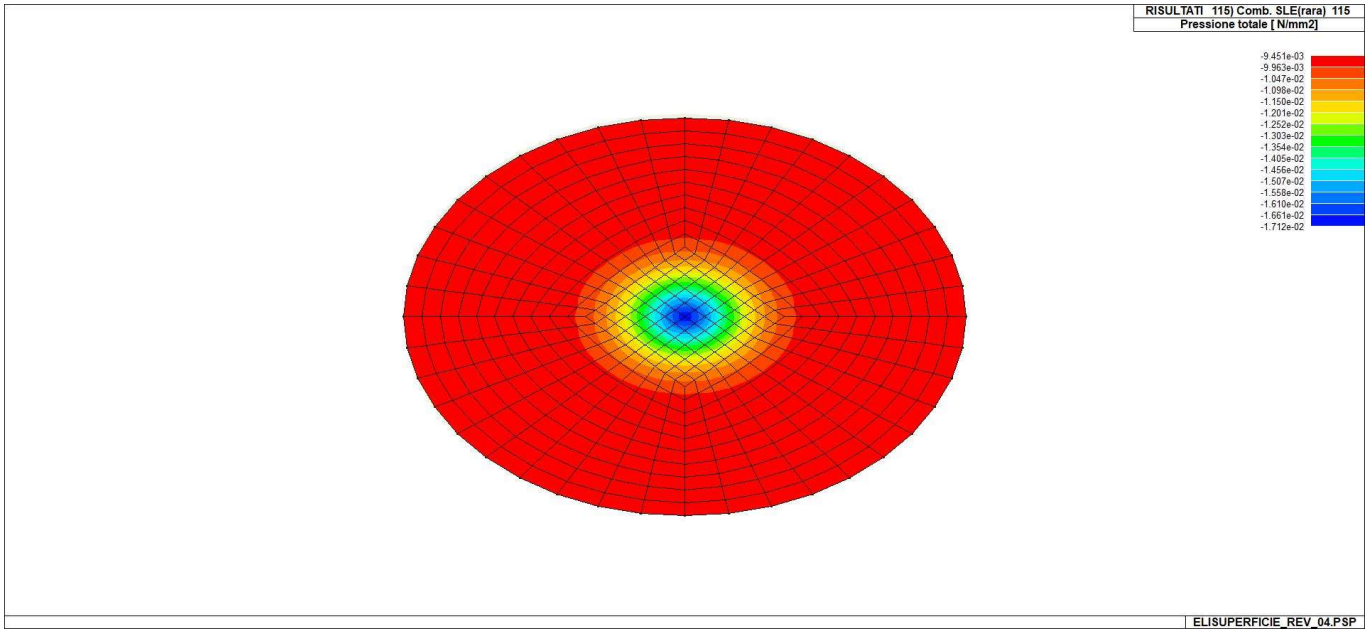


46_RIS_PRESSIONI_111_Comb. SLU (Accid.) 111

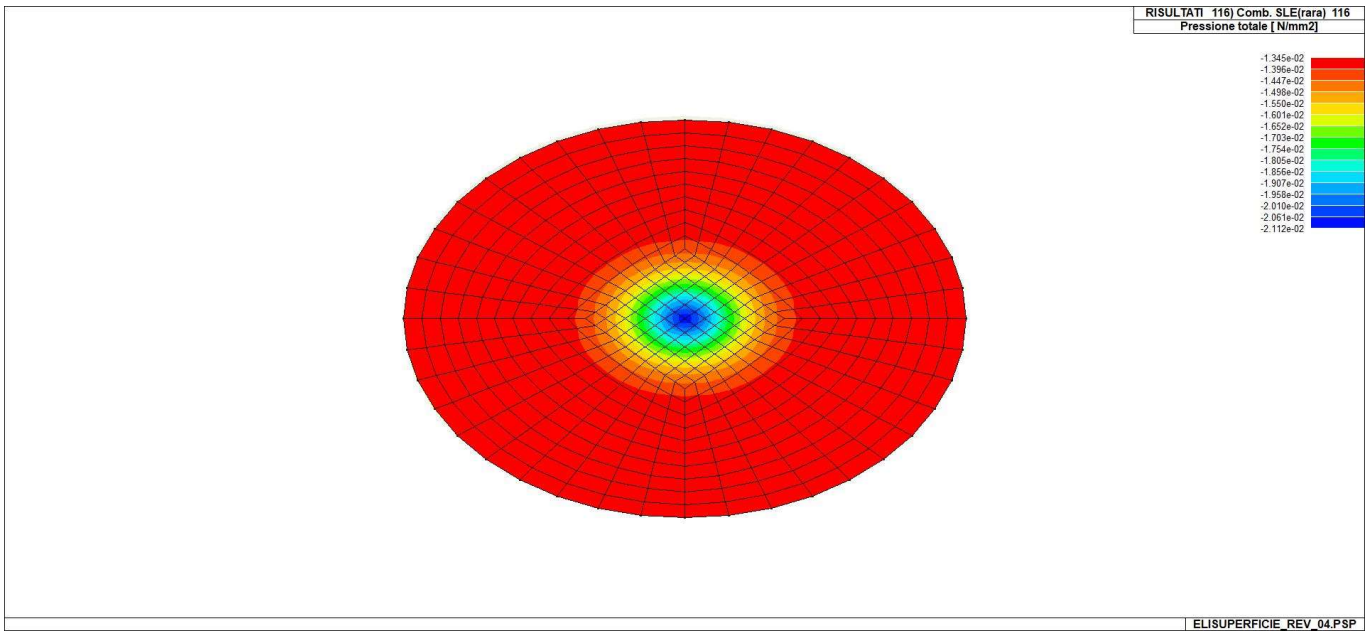


46_RIS_PRESSIONI_112_Comb. SLU (Accid.) 112

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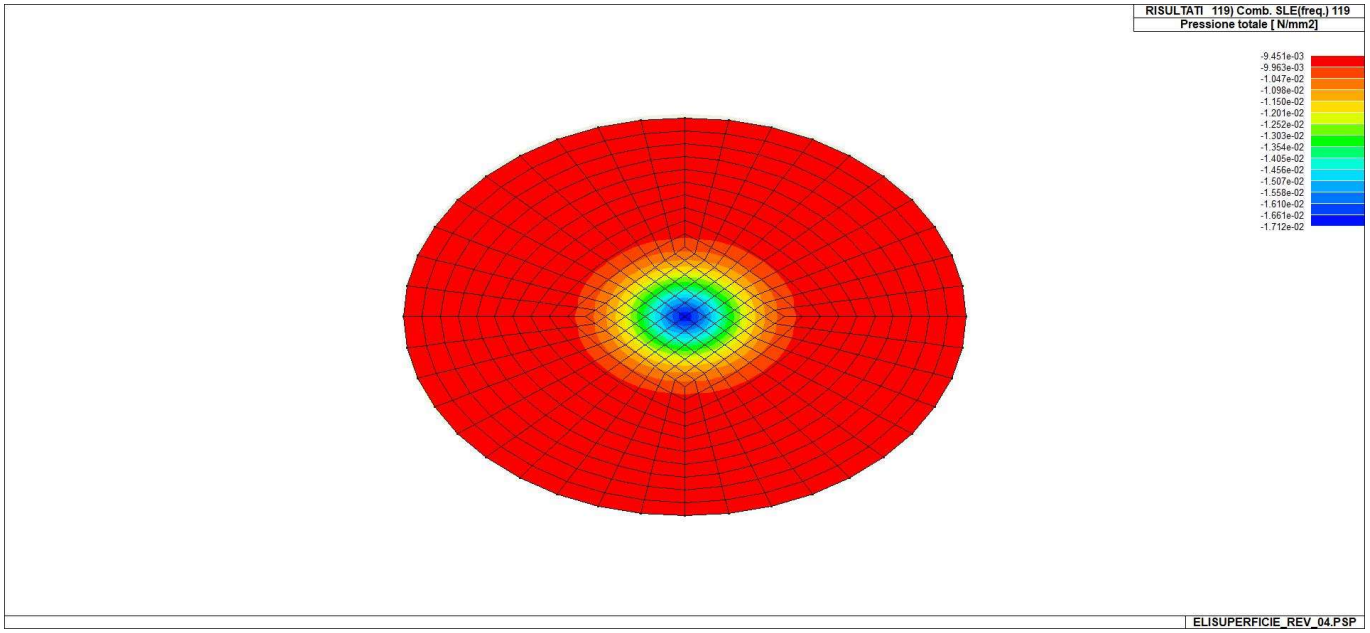


46_RIS_PRESSIONI_115_Comb. SLE(rara) 115

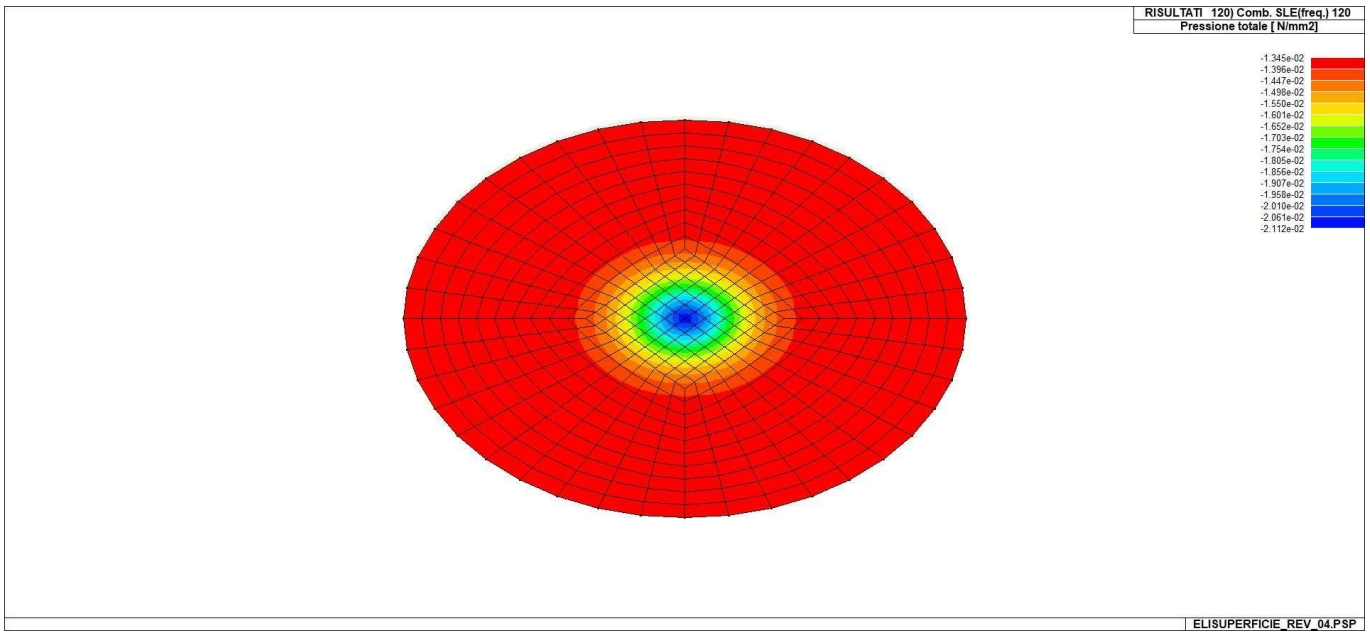


46_RIS_PRESSIONI_116_Comb. SLE(rara) 116

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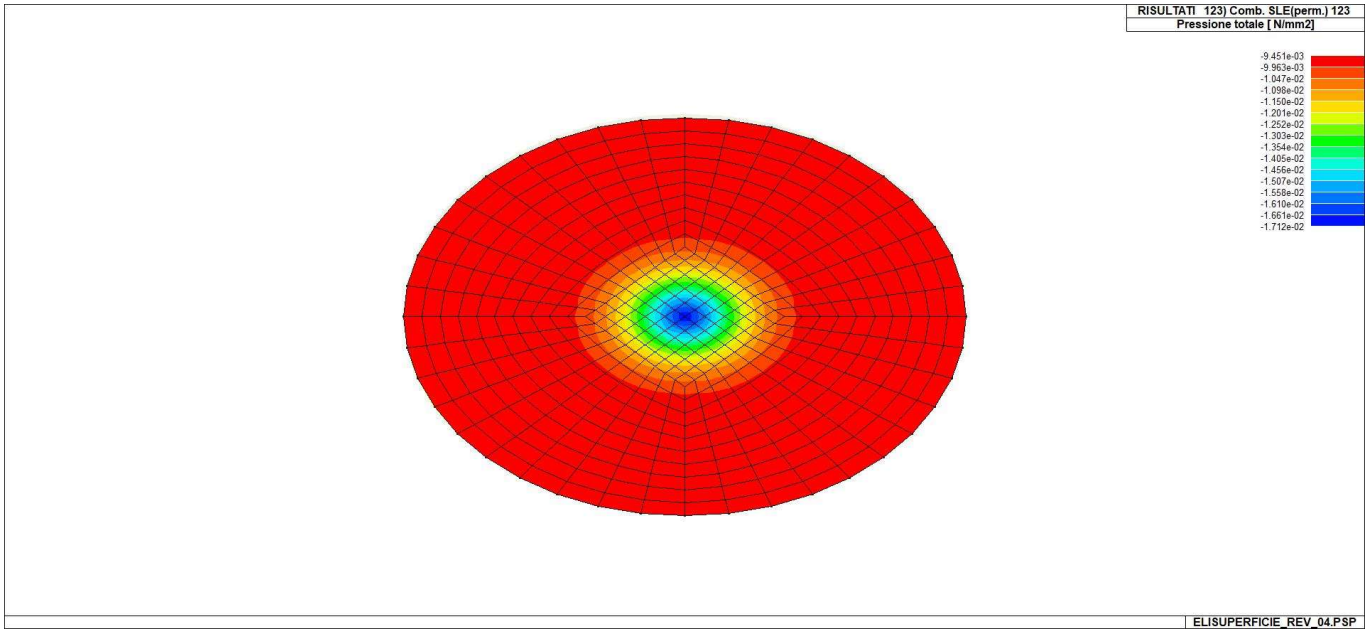


46_RIS_PRESSIONI_119_Comb. SLE(freq.) 119

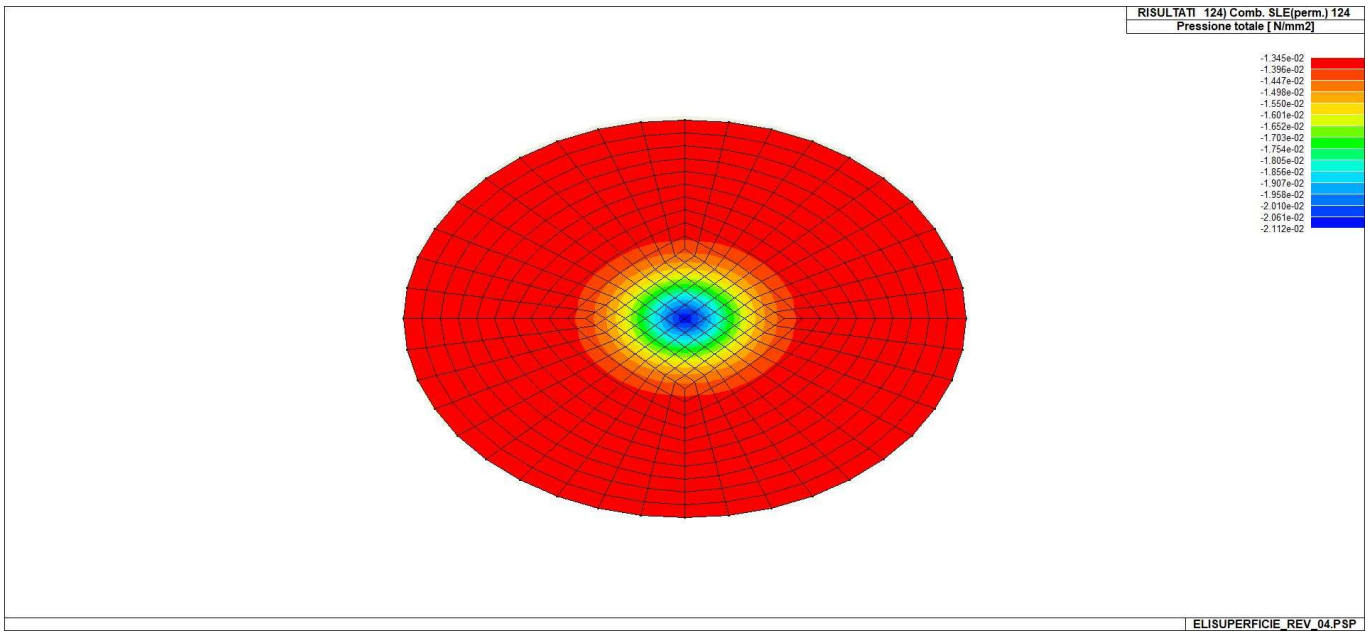


46_RIS_PRESSIONI_120_Comb. SLE(freq.) 120

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46_RIS_PRESSIONI_123_Comb. SLE(perm.) 123



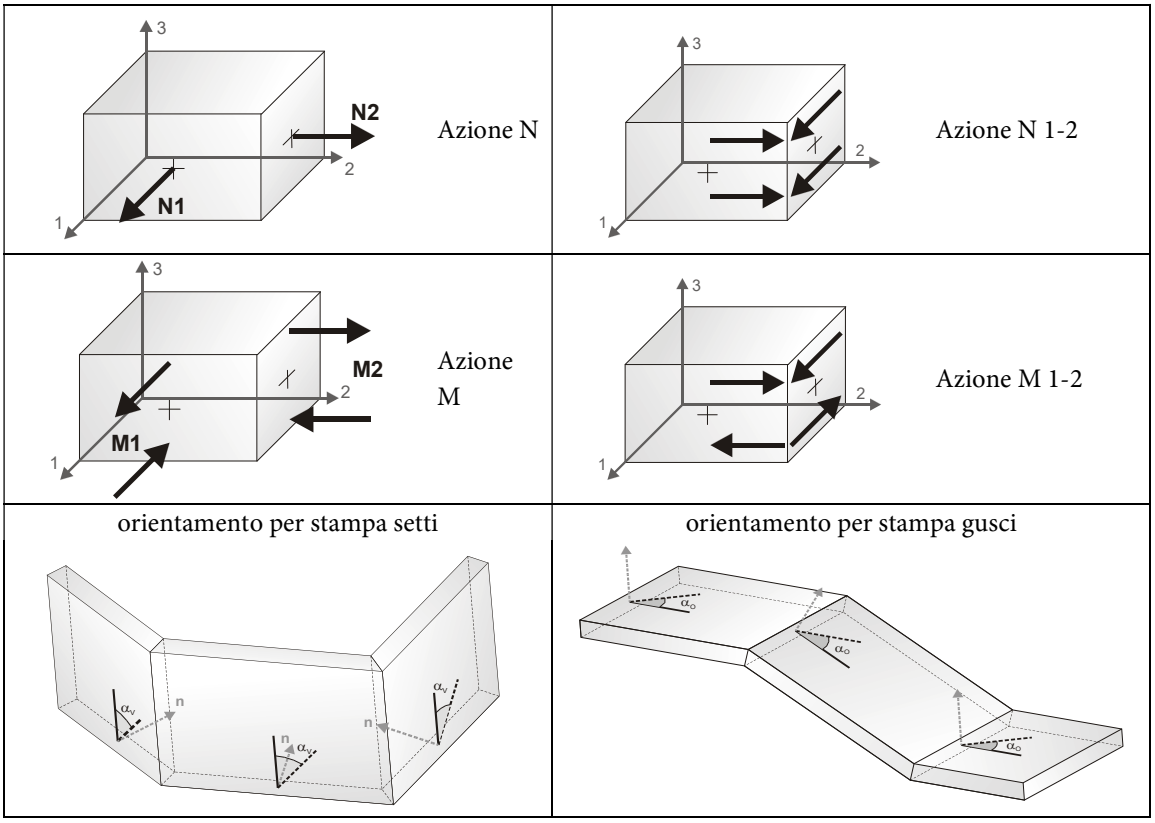
46_RIS_PRESSIONI_124_Comb. SLE(perm.) 124

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RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

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



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

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

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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 a_O attorno all'asse Z per i gusci e ruotata di a_V attorno alla normale (che per definizione è orizzontale) al piano del setto.
Per i setti, in particolare, se a_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)
2	**Guscio**	**0.0**

M_G	Cmb	Nodo	N max kN/ m	N min kN/ m	N 1 kN/ m	N 2 kN/ m	N 1-2 kN/ m	M max kN	M min kN	M 1 kN	M 2 kN	M 1-2 kN
2	7	1	1.63	-4.58	-0.27	-2.68	-2.86	7.13	-1.15	2.94	3.05	4.14
2	7	2	1.86	-5.69	0.11	-3.95	-3.18	8.18	-1.98	1.94	4.26	4.95
2	7	3	1.88	-6.27	-0.50	-3.89	-3.71	9.14	-3.56	2.68	2.90	6.35
2	7	4	1.61	-4.84	-0.79	-2.44	-3.12	8.20	-2.00	4.11	2.09	4.99
2	7	5	1.97	-6.59	-1.23	-3.38	-4.14	9.55	-5.52	3.97	5.99e-02	7.27
2	7	6	1.62	-4.79	-1.23	-1.93	-3.19	8.98	-3.08	5.67	0.23	5.38
2	7	7	2.03	-6.31	-1.89	-2.39	-4.17	9.39	-7.69	5.78	-4.08	6.97
2	7	8	1.64	-4.32	-1.43	-1.25	-2.98	9.43	-4.22	7.43	-2.22	4.83
2	7	9	2.12	-5.01	-1.68	-1.22	-3.56	8.93	-9.53	7.68	-8.28	4.64
2	7	10	1.75	-3.41	-1.03	-0.62	-2.57	9.60	-5.16	8.95	-4.50	3.04
2	7	11	2.84	-3.34	-0.15	-0.35	-3.09	8.65	-10.39	8.64	-10.38	0.39
2	7	12	2.25	-2.47	-5.46e-02	-0.16	-2.36	9.64	-5.57	9.64	-5.57	0.25
2	7	13	4.63	-2.67	1.36	0.60	-3.63	8.85	-9.86	7.92	-8.94	-4.06
2	7	14	3.26	-2.03	0.91	0.31	-2.63	9.61	-5.30	9.13	-4.83	-2.63
2	7	15	6.05	-2.55	1.59	1.90	-4.30	9.31	-8.15	6.04	-4.88	-6.81
2	7	16	4.24	-1.96	1.29	1.00	-3.10	9.46	-4.45	7.68	-2.68	-4.64
2	7	17	6.42	-2.43	0.96	3.03	-4.30	9.54	-5.94	4.14	-0.54	-7.38
2	7	18	4.77	-1.95	1.08	1.75	-3.34	9.06	-3.31	5.90	-0.16	-5.39
2	7	19	6.18	-2.27	0.26	3.65	-3.88	9.22	-3.88	2.78	2.57	-6.55
2	7	20	4.87	-1.92	0.62	2.34	-3.28	8.33	-2.18	4.29	1.85	-5.11
2	7	21	5.67	-2.11	-0.22	3.77	-3.34	8.34	-2.20	2.00	4.15	-5.16

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2	7	22	4.70	-1.85	0.22	2.63	-3.05	7.30	-1.28	3.06	2.95	-4.29
2	7	23	2.05	-6.81	0.72	-5.48	-3.17	8.96	-3.04	7.23e-02	5.84	5.26
2	7	24	2.15	-7.91	0.17	-5.92	-4.00	9.55	-5.49	-0.19	4.25	7.18
2	7	25	2.39	-8.96	-0.67	-5.91	-5.03	9.17	-8.81	-1.07e-02	0.37	8.99
2	7	26	2.73	-9.79	-2.12	-4.94	-6.10	7.70	-12.80	1.12	-6.22	9.58
2	7	27	2.72	-8.32	-2.81	-2.78	-5.52	5.72	-16.53	3.18	-13.99	7.07
2	7	28	3.57	-4.32	-0.28	-0.47	-3.95	4.59	-18.40	4.58	-18.39	0.57
2	7	29	7.77	-3.45	2.27	2.05	-5.61	5.37	-17.35	3.48	-15.47	-6.27
2	7	30	9.42	-3.37	1.64	4.41	-6.24	7.35	-13.73	1.20	-7.58	-9.58
2	7	31	8.68	-2.94	0.25	5.49	-5.18	8.97	-9.50	-7.93e-02	-0.46	-9.23
2	7	32	7.74	-2.62	-0.52	5.65	-4.16	9.53	-5.96	-0.29	3.86	-7.47
2	7	33	6.76	-2.34	-0.90	5.32	-3.32	9.08	-3.34	-2.11e-03	5.74	-5.51
2	7	34	2.22	-7.85	1.46	-7.10	-2.64	9.41	-4.15	-2.33	7.59	4.62
2	7	35	2.35	-9.52	1.17	-8.34	-3.56	9.43	-7.60	-4.29	6.12	6.74
2	7	36	2.72	-11.56	0.75	-9.59	-4.92	7.79	-12.78	-6.63	1.64	9.42
2	7	37	3.48	-14.47	-0.18	-10.82	-7.22	4.01	-20.08	-8.32	-7.75	12.04
2	7	38	5.81	-22.57	-5.34	-11.41	-13.86	-1.59	-27.27	-7.25	-21.61	10.65
2	7	39	0.35	-1.74	-0.62	-0.77	-1.04	-4.92	-32.21	-4.93	-32.20	0.60
2	7	40	21.98	-6.66	4.59	10.73	-13.99	-3.11	-30.41	-7.59	-25.94	-10.11
2	7	41	13.97	-4.07	-0.38	10.27	-7.28	2.98	-21.59	-9.02	-9.59	-12.28
2	7	42	11.18	-3.34	-1.28	9.11	-5.07	7.26	-13.75	-7.17	0.68	-9.74
2	7	43	9.28	-2.90	-1.66	8.03	-3.69	9.26	-8.22	-4.67	5.71	-7.03
2	7	44	7.77	-2.52	-1.72	6.96	-2.76	9.47	-4.53	-2.57	7.52	-4.85
2	7	45	2.31	-8.59	2.09	-8.37	-1.52	9.60	-5.01	-4.47	9.05	2.76
2	7	46	2.43	-10.70	2.08	-10.35	-2.12	9.04	-9.33	-8.29	8.00	4.25
2	7	47	2.74	-13.48	2.16	-12.90	-3.01	5.98	-16.38	-14.25	3.85	6.56
2	7	48	3.44	-17.28	2.57	-16.40	-4.16	-1.45	-28.01	-23.09	-6.37	10.32
2	7	49	9.95	-21.61	9.40	-21.06	-4.13	-15.53	-50.71	-32.84	-33.40	17.59
2	7	50	-0.12	-5.08	-2.68	-2.52	-2.48	-21.34	-58.10	-21.35	-58.10	0.39
2	7	51	22.56	-8.79	-8.34	22.12	-3.70	-18.29	-52.42	-35.64	-35.07	-17.07
2	7	52	16.58	-4.17	-3.24	15.65	-4.28	-3.31	-29.61	-24.46	-8.46	-10.43
2	7	53	12.96	-3.50	-2.89	12.35	-3.10	5.08	-17.47	-15.21	2.81	-6.78
2	7	54	10.40	-3.07	-2.70	10.04	-2.19	8.72	-10.05	-8.93	7.60	-4.44
2	7	55	8.49	-2.63	-2.40	8.25	-1.59	9.61	-5.45	-4.86	9.03	-2.90
2	7	56	2.34	-8.86	2.34	-8.86	-3.68e-05	9.64	-5.34	-5.34	9.64	1.51e-06
2	7	57	2.43	-11.12	2.43	-11.12	5.75e-05	8.83	-10.01	-10.01	8.83	6.06e-06
2	7	58	2.53	-14.13	2.53	-14.13	4.11e-05	5.11	-17.81	-17.81	5.11	
2	7	59	1.60	-18.34	1.60	-18.34	2.74e-05	-3.71	-31.36	-31.36	-3.71	
2	7	60	-10.29	-23.39	-10.29	-23.39	8.43e-06	-17.54	-57.60	-57.60	-17.54	
2	7	61	4.27	4.27	4.27	4.27		-135.21	-135.21	-135.21	-135.21	
2	7	62	18.03	5.24	5.24	18.03	7.13e-06	-25.15	-58.60	-58.60	-25.15	
2	7	63	17.11	-3.15	-3.15	17.11	2.19e-05	-6.15	-33.04	-33.04	-6.15	
2	7	64	13.58	-3.48	-3.48	13.58	2.06e-05	4.04	-18.97	-18.97	4.04	
2	7	65	10.81	-3.12	-3.12	10.81	-2.04e-05	8.45	-10.75	-10.75	8.45	7.09e-06
2	7	66	8.75	-2.67	-2.67	8.75	4.49e-05	9.63	-5.79	-5.79	9.63	-1.19e-06
2	7	67	2.31	-8.59	2.09	-8.37	1.53	9.60	-5.01	-4.46	9.05	-2.76
2	7	68	2.43	-10.70	2.08	-10.35	2.12	9.04	-9.33	-8.29	8.00	-4.25
2	7	69	2.74	-13.48	2.16	-12.90	3.01	5.98	-16.38	-14.25	3.85	-6.56
2	7	70	3.44	-17.28	2.57	-16.40	4.16	-1.45	-28.01	-23.09	-6.37	-10.32
2	7	71	9.95	-21.61	9.40	-21.06	4.13	-15.53	-50.71	-32.84	-33.40	-17.59
2	7	72	-0.12	-5.08	-2.68	-2.52	2.48	-21.34	-58.10	-21.35	-58.10	-0.39
2	7	73	22.56	-8.79	-8.34	22.12	3.70	-18.29	-52.42	-35.64	-35.07	17.07
2	7	74	16.58	-4.17	-3.24	15.65	4.28	-3.31	-29.61	-24.46	-8.46	10.43
2	7	75	12.96	-3.50	-2.89	12.35	3.10	5.08	-17.47	-15.21	2.81	6.78
2	7	76	10.40	-3.07	-2.70	10.04	2.19	8.72	-10.05	-8.93	7.60	4.44
2	7	77	8.49	-2.63	-2.40	8.25	1.59	9.61	-5.45	-4.86	9.03	2.90
2	7	78	2.21	-7.85	1.46	-7.10	2.65	9.41	-4.15	-2.33	7.59	-4.62
2	7	79	2.35	-9.52	1.17	-8.34	3.56	9.43	-7.60	-4.29	6.12	-6.74
2	7	80	2.72	-11.56	0.75	-9.59	4.92	7.79	-12.78	-6.63	1.64	-9.42
2	7	81	3.48	-14.47	-0.18	-10.82	7.22	4.01	-20.08	-8.32	-7.75	-12.04
2	7	82	5.81	-22.57	-5.34	-11.41	13.86	-1.59	-27.27	-7.25	-21.61	-10.65
2	7	83	0.35	-1.74	-0.62	-0.77	1.04	-4.92	-32.21	-4.93	-32.20	-0.60
2	7	84	21.98	-6.66	4.59	10.73	13.99	-3.11	-30.41	-7.59	-25.94	10.11
2	7	85	13.97	-4.07	-0.38	10.27	7.28	2.98	-21.59	-9.02	-9.59	12.28
2	7	86	11.18	-3.34	-1.28	9.11	5.07	7.26	-13.75	-7.17	0.68	9.74

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2	7	87	9.28	-2.90	-1.66	8.03	3.69	9.26	-8.22	-4.67	5.71	7.03
2	7	88	7.77	-2.52	-1.72	6.96	2.77	9.47	-4.53	-2.57	7.52	4.85
2	7	89	2.05	-6.81	0.72	-5.48	3.17	8.96	-3.04	7.27e-02	5.84	-5.26
2	7	90	2.15	-7.91	0.17	-5.92	4.00	9.55	-5.49	-0.19	4.25	-7.19
2	7	91	2.39	-8.96	-0.67	-5.91	5.03	9.17	-8.81	-1.07e-02	0.37	-8.99
2	7	92	2.73	-9.79	-2.12	-4.94	6.10	7.70	-12.80	1.12	-6.22	-9.58
2	7	93	2.72	-8.32	-2.81	-2.78	5.52	5.72	-16.53	3.18	-13.99	-7.07
2	7	94	3.57	-4.32	-0.28	-0.47	3.95	4.59	-18.40	4.58	-18.39	-0.57
2	7	95	7.77	-3.45	2.27	2.05	5.61	5.37	-17.35	3.48	-15.47	6.27
2	7	96	9.42	-3.37	1.64	4.41	6.24	7.35	-13.73	1.20	-7.58	9.58
2	7	97	8.68	-2.94	0.25	5.49	5.18	8.97	-9.50	-7.92e-02	-0.46	9.23
2	7	98	7.74	-2.62	-0.52	5.65	4.16	9.53	-5.96	-0.29	3.86	7.47
2	7	99	6.77	-2.34	-0.90	5.32	3.33	9.08	-3.34	-2.55e-03	5.74	5.51
2	7	100	1.86	-5.69	0.11	-3.94	3.18	8.18	-1.98	1.94	4.26	-4.95
2	7	101	1.88	-6.27	-0.50	-3.89	3.71	9.14	-3.56	2.68	2.90	-6.35
2	7	102	1.97	-6.59	-1.23	-3.38	4.14	9.55	-5.52	3.97	5.99e-02	-7.27
2	7	103	2.03	-6.31	-1.89	-2.39	4.17	9.39	-7.69	5.78	-4.08	-6.97
2	7	104	2.12	-5.01	-1.68	-1.22	3.56	8.93	-9.53	7.68	-8.28	-4.64
2	7	105	2.84	-3.34	-0.15	-0.35	3.09	8.65	-10.39	8.64	-10.38	-0.39
2	7	106	4.63	-2.67	1.36	0.60	3.63	8.85	-9.86	7.92	-8.94	4.06
2	7	107	6.05	-2.55	1.59	1.90	4.30	9.31	-8.15	6.04	-4.88	6.81
2	7	108	6.42	-2.43	0.96	3.03	4.30	9.54	-5.94	4.14	-0.54	7.38
2	7	109	6.18	-2.28	0.26	3.65	3.88	9.22	-3.88	2.78	2.57	6.55
2	7	110	5.67	-2.11	-0.22	3.77	3.34	8.34	-2.20	2.00	4.14	5.16
2	7	111	1.64	-4.59	-0.25	-2.70	2.86	7.13	-1.15	2.94	3.05	-4.14
2	7	112	1.60	-4.84	-0.80	-2.44	3.12	8.20	-2.00	4.11	2.09	-4.99
2	7	113	1.62	-4.79	-1.24	-1.93	3.18	8.98	-3.08	5.67	0.23	-5.38
2	7	114	1.64	-4.31	-1.43	-1.25	2.97	9.43	-4.22	7.43	-2.22	-4.83
2	7	115	1.75	-3.40	-1.03	-0.62	2.57	9.60	-5.16	8.95	-4.50	-3.04
2	7	116	2.25	-2.47	-5.46e-02	-0.16	2.36	9.64	-5.57	9.64	-5.57	-0.25
2	7	117	3.26	-2.03	0.92	0.31	2.63	9.61	-5.30	9.13	-4.83	2.63
2	7	118	4.24	-1.95	1.29	1.00	3.09	9.46	-4.45	7.68	-2.68	4.64
2	7	119	4.77	-1.94	1.08	1.75	3.34	9.06	-3.31	5.90	-0.16	5.39
2	7	120	4.87	-1.91	0.62	2.34	3.28	8.33	-2.18	4.29	1.85	5.11
2	7	121	4.71	-1.86	0.20	2.65	3.05	7.30	-1.28	3.06	2.95	4.29
2	7	122	1.59	-1.82	1.27e-04	-0.22	1.70	8.18	-1.90	8.17	-1.90	-0.13
2	7	123	2.26	-1.57	0.66	3.68e-02	1.89	8.06	-1.79	7.77	-1.50	1.68
2	7	124	1.22	-1.34	2.79e-02	-0.15	1.28	5.76	-0.40	5.76	-0.40	-6.73e-02
2	7	125	1.70	-1.21	0.50	-1.33e-02	1.43	5.66	-0.37	5.49	-0.20	1.00
2	7	126	0.95	-1.01	4.26e-02	-0.10	0.98	3.53	0.11	3.53	0.11	-3.33e-02
2	7	127	1.30	-0.95	0.40	-5.66e-02	1.10	3.46	0.12	3.37	0.21	0.54
2	7	128	0.74	-0.76	4.74e-02	-7.23e-02	0.75	1.88	0.22	1.88	0.22	-1.61e-02
2	7	129	0.99	-0.77	0.32	-9.71e-02	0.85	1.84	0.22	1.79	0.26	0.25
2	7	130	0.56	-0.57	4.42e-02	-5.42e-02	0.57	0.82	0.18	0.82	0.18	-8.15e-03
2	7	131	0.74	-0.62	0.25	-0.14	0.65	0.80	0.17	0.78	0.19	9.47e-02
2	7	132	0.41	-0.42	3.61e-02	-4.32e-02	0.41	0.24	0.11	0.24	0.11	-5.39e-03
2	7	133	0.53	-0.52	0.19	-0.18	0.49	0.23	0.11	0.23	0.11	1.51e-02
2	7	134	0.28	-0.29	2.66e-02	-3.64e-02	0.28	6.20e-02	-7.63e-03	-7.22e-03	6.16e-02	-5.33e-03
2	7	135	0.35	-0.43	0.13	-0.21	0.35	6.05e-02	-1.29e-02	-9.00e-03	5.66e-02	-1.65e-02
2	7	136	0.16	-0.17	1.76e-02	-3.21e-02	0.17	4.02e-02	-6.44e-02	-6.40e-02	3.98e-02	-6.44e-03
2	7	137	0.20	-0.37	8.48e-02	-0.25	0.23	3.86e-02	-6.91e-02	-6.40e-02	3.36e-02	-2.28e-02
2	7	138	5.44e-02	-7.61e-02	8.12e-03	-2.98e-02	6.24e-02	3.72e-02	-3.59e-02	-3.50e-02	3.63e-02	-7.75e-03
2	7	139	7.93e-02	-0.33	4.11e-02	-0.29	0.12	3.56e-02	-3.98e-02	-3.48e-02	3.06e-02	-1.87e-02
2	7	140	8.68e-02	-0.11	1.71e-03	-2.82e-02	9.89e-02	4.27e-02	-5.30e-03	-1.24e-03	3.86e-02	-1.34e-02
2	7	141	4.59e-02	-0.34	-1.84e-02	-0.28	0.14	4.07e-02	-8.77e-03	3.75e-05	3.19e-02	-1.89e-02
2	7	142	2.98	-1.56	0.96	0.47	2.25	7.68	-1.46	6.59	-0.37	2.97
2	7	143	2.24	-1.25	0.74	0.25	1.73	5.31	-0.26	4.68	0.37	1.76
2	7	144	1.72	-1.04	0.58	9.56e-02	1.36	3.22	0.15	2.89	0.48	0.95
2	7	145	1.31	-0.89	0.46	-3.13e-02	1.07	1.70	0.21	1.55	0.37	0.45
2	7	146	0.99	-0.78	0.35	-0.14	0.85	0.73	0.17	0.68	0.22	0.17
2	7	147	0.72	-0.70	0.25	-0.24	0.67	0.21	0.10	0.20	0.11	2.73e-02
2	7	148	0.49	-0.65	0.17	-0.33	0.51	5.78e-02	-2.24e-02	-1.11e-02	4.66e-02	-2.79e-02
2	7	149	0.30	-0.62	9.19e-02	-0.41	0.38	3.69e-02	-7.32e-02	-5.84e-02	2.22e-02	-3.75e-02
2	7	150	0.13	-0.60	2.30e-02	-0.49	0.26	3.40e-02	-4.28e-02	-3.05e-02	2.18e-02	-2.81e-02
2	7	151	5.01e-02	-0.61	-7.83e-02	-0.49	0.26	3.87e-02	-1.19e-02	2.95e-03	2.38e-02	-2.31e-02

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2	7	152	3.48	-1.60	0.85	1.03	2.54	7.04	-1.02	5.08	0.94	3.46
2	7	153	2.67	-1.34	0.67	0.66	2.01	4.77	-0.12	3.63	1.02	2.07
2	7	154	2.07	-1.17	0.53	0.38	1.62	2.86	0.18	2.25	0.78	1.12
2	7	155	1.61	-1.05	0.40	0.16	1.32	1.49	0.21	1.21	0.49	0.53
2	7	156	1.22	-0.97	0.29	-2.97e-02	1.09	0.63	0.16	0.53	0.26	0.19
2	7	157	0.90	-0.91	0.18	-0.19	0.89	0.17	9.54e-02	0.15	0.11	2.63e-02
2	7	158	0.63	-0.88	8.63e-02	-0.34	0.72	5.39e-02	-3.49e-02	-1.20e-02	3.11e-02	-3.88e-02
2	7	159	0.39	-0.86	-6.98e-04	-0.48	0.58	3.49e-02	-7.66e-02	-4.82e-02	6.54e-03	-4.85e-02
2	7	160	0.18	-0.87	-8.15e-02	-0.60	0.45	3.25e-02	-4.48e-02	-2.28e-02	1.05e-02	-3.49e-02
2	7	161	5.96e-02	-0.88	-0.21	-0.61	0.42	3.66e-02	-1.47e-02	7.07e-03	1.48e-02	-2.53e-02
2	7	162	3.70	-1.64	0.48	1.57	2.61	6.19	-0.59	3.64	1.96	3.29
2	7	163	2.91	-1.43	0.37	1.10	2.14	4.10	2.13e-02	2.60	1.53	1.97
2	7	164	2.31	-1.30	0.27	0.74	1.79	2.42	0.20	1.61	1.01	1.07
2	7	165	1.81	-1.21	0.17	0.44	1.51	1.24	0.20	0.87	0.57	0.50
2	7	166	1.40	-1.15	6.77e-02	0.18	1.27	0.51	0.14	0.38	0.27	0.18
2	7	167	1.05	-1.11	-2.77e-02	-4.01e-02	1.08	0.12	8.57e-02	0.11	9.41e-02	1.40e-02
2	7	168	0.74	-1.10	-0.12	-0.24	0.92	4.88e-02	-4.90e-02	-1.05e-02	1.03e-02	-4.77e-02
2	7	169	0.46	-1.09	-0.20	-0.43	0.77	3.22e-02	-7.94e-02	-3.51e-02	-1.21e-02	-5.46e-02
2	7	170	0.22	-1.11	-0.29	-0.60	0.65	3.04e-02	-4.61e-02	-1.33e-02	-2.41e-03	-3.78e-02
2	7	171	6.93e-02	-1.12	-0.41	-0.63	0.58	3.40e-02	-1.67e-02	1.17e-02	5.63e-03	-2.51e-02
2	7	172	3.68	-1.70	6.61e-02	1.91	2.53	5.23	-0.26	2.52	2.45	2.75
2	7	173	2.98	-1.55	-1.39e-02	1.44	2.14	3.38	0.11	1.77	1.73	1.63
2	7	174	2.40	-1.45	-9.46e-02	1.05	1.84	1.97	0.21	1.09	1.08	0.88
2	7	175	1.92	-1.38	-0.18	0.72	1.59	0.99	0.18	0.59	0.58	0.40
2	7	176	1.50	-1.34	-0.26	0.43	1.38	0.39	0.13	0.26	0.25	0.13
2	7	177	1.13	-1.32	-0.35	0.16	1.20	7.69e-02	6.82e-02	7.60e-02	6.91e-02	-2.65e-03
2	7	178	0.81	-1.31	-0.43	-7.68e-02	1.05	4.32e-02	-6.18e-02	-5.15e-03	-1.34e-02	-5.23e-02
2	7	179	0.52	-1.32	-0.51	-0.30	0.91	2.92e-02	-8.09e-02	-2.08e-02	-3.09e-02	-5.48e-02
2	7	180	0.25	-1.34	-0.58	-0.51	0.79	2.81e-02	-4.68e-02	-3.50e-03	-1.52e-02	-3.69e-02
2	7	181	6.80e-02	-1.34	-0.70	-0.57	0.70	3.16e-02	-1.78e-02	1.65e-02	-2.70e-03	-2.27e-02
2	7	182	4.43	-1.93	-0.36	2.87	2.74	6.21	-0.60	2.04	3.57	3.32
2	7	183	3.55	-1.74	-0.41	2.22	2.30	4.12	1.55e-02	1.57	2.56	1.99
2	7	184	2.85	-1.63	-0.48	1.70	1.96	2.43	0.20	1.03	1.60	1.08
2	7	185	2.27	-1.56	-0.55	1.27	1.69	1.25	0.20	0.59	0.86	0.51
2	7	186	1.78	-1.52	-0.63	0.89	1.46	0.51	0.14	0.28	0.37	0.18
2	7	187	1.34	-1.50	-0.70	0.55	1.27	0.11	8.19e-02	9.72e-02	9.95e-02	1.64e-02
2	7	188	0.96	-1.49	-0.78	0.24	1.12	4.45e-02	-5.46e-02	1.30e-02	-2.32e-02	-4.62e-02
2	7	189	0.61	-1.51	-0.85	-4.48e-02	0.98	2.75e-02	-8.64e-02	-8.41e-03	-5.05e-02	-5.29e-02
2	7	190	0.29	-1.53	-0.93	-0.31	0.86	2.57e-02	-5.18e-02	3.41e-03	-2.95e-02	-3.51e-02
2	7	191	7.40e-02	-1.53	-1.02	-0.44	0.75	2.92e-02	-2.04e-02	1.93e-02	-1.05e-02	-1.98e-02
2	7	192	5.23	-2.12	-0.97	4.08	2.67	7.08	-1.04	1.03	5.01	3.54
2	7	193	4.15	-1.90	-0.95	3.20	2.20	4.81	-0.12	1.08	3.61	2.12
2	7	194	3.31	-1.77	-0.97	2.51	1.85	2.89	0.17	0.81	2.25	1.15
2	7	195	2.62	-1.69	-1.00	1.93	1.58	1.51	0.21	0.51	1.21	0.55
2	7	196	2.04	-1.64	-1.04	1.44	1.36	0.64	0.15	0.26	0.53	0.20
2	7	197	1.54	-1.62	-1.09	1.01	1.18	0.16	9.15e-02	0.11	0.14	3.02e-02
2	7	198	1.10	-1.63	-1.15	0.62	1.03	4.81e-02	-4.52e-02	3.03e-02	-2.74e-02	-3.66e-02
2	7	199	0.70	-1.64	-1.21	0.27	0.91	2.78e-02	-9.03e-02	5.43e-03	-6.80e-02	-4.62e-02
2	7	200	0.34	-1.67	-1.27	-5.86e-02	0.80	2.50e-02	-5.63e-02	1.11e-02	-4.24e-02	-3.06e-02
2	7	201	8.69e-02	-1.67	-1.34	-0.24	0.69	2.82e-02	-2.27e-02	2.24e-02	-1.68e-02	-1.62e-02
2	7	202	5.94	-2.28	-1.65	5.31	2.18	7.74	-1.50	-0.31	6.55	3.10
2	7	203	4.66	-2.03	-1.53	4.16	1.77	5.38	-0.28	0.40	4.70	1.84
2	7	204	3.69	-1.88	-1.46	3.27	1.47	3.28	0.14	0.50	2.92	1.00
2	7	205	2.91	-1.79	-1.43	2.56	1.25	1.73	0.21	0.38	1.56	0.47
2	7	206	2.26	-1.74	-1.43	1.95	1.07	0.75	0.17	0.23	0.68	0.18
2	7	207	1.70	-1.72	-1.45	1.43	0.92	0.20	9.89e-02	0.11	0.19	3.27e-02
2	7	208	1.21	-1.72	-1.48	0.97	0.80	5.08e-02	-3.66e-02	4.31e-02	-2.88e-02	-2.48e-02
2	7	209	0.77	-1.74	-1.53	0.55	0.70	2.78e-02	-9.31e-02	1.72e-02	-8.25e-02	-3.43e-02
2	7	210	0.37	-1.77	-1.58	0.17	0.61	2.42e-02	-5.99e-02	1.76e-02	-5.32e-02	-2.27e-02
2	7	211	9.74e-02	-1.77	-1.61	-6.54e-02	0.53	2.71e-02	-2.42e-02	2.44e-02	-2.15e-02	-1.14e-02
2	7	212	6.44	-2.39	-2.21	6.26	1.24	8.14	-1.86	-1.51	7.79	1.84
2	7	213	5.02	-2.12	-1.98	4.88	1.00	5.75	-0.40	-0.20	5.55	1.08
2	7	214	3.95	-1.96	-1.84	3.83	0.82	3.53	0.11	0.22	3.43	0.58
2	7	215	3.10	-1.86	-1.76	3.01	0.69	1.88	0.21	0.26	1.83	0.28
2	7	216	2.40	-1.80	-1.72	2.32	0.59	0.82	0.17	0.19	0.80	0.11

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2	7	217	1.80	-1.78	-1.71	1.73	0.50	0.23	0.10	0.11	0.23	2.11e-02
2	7	218	1.28	-1.78	-1.72	1.21	0.44	5.26e-02	-3.04e-02	5.07e-02	-2.85e-02	-1.24e-02
2	7	219	0.81	-1.80	-1.74	0.75	0.38	2.79e-02	-9.48e-02	2.51e-02	-9.20e-02	-1.83e-02
2	7	220	0.39	-1.83	-1.78	0.34	0.33	2.37e-02	-6.21e-02	2.20e-02	-6.04e-02	-1.21e-02
2	7	221	0.10	-1.83	-1.79	6.09e-02	0.29	2.64e-02	-2.52e-02	2.57e-02	-2.45e-02	-5.85e-03
2	7	222	6.62	-2.43	-2.43	6.62	-8.35e-05	8.27	-2.00	-2.00	8.27	-6.39e-06
2	7	223	5.14	-2.15	-2.15	5.14	-5.31e-06	5.88	-0.44	-0.44	5.88	2.59e-06
2	7	224	4.04	-1.98	-1.98	4.04	9.39e-06	3.63	0.10	0.10	3.63	1.11e-06
2	7	225	3.17	-1.88	-1.88	3.17	9.40e-06	1.93	0.22	0.22	1.93	
2	7	226	2.45	-1.82	-1.82	2.45	5.18e-06	0.84	0.17	0.17	0.84	
2	7	227	1.84	-1.80	-1.80	1.84	2.02e-06	0.24	0.11	0.11	0.24	
2	7	228	1.30	-1.80	-1.80	1.30		5.33e-02	-2.82e-02	5.33e-02	-2.82e-02	
2	7	229	0.83	-1.82	-1.82	0.83		2.79e-02	-9.53e-02	2.79e-02	-9.53e-02	
2	7	230	0.39	-1.85	-1.85	0.39		2.35e-02	-6.29e-02	2.35e-02	-6.29e-02	
2	7	231	0.11	-1.86	-1.86	0.11	-1.37e-06	2.61e-02	-2.55e-02	2.61e-02	-2.55e-02	
2	7	232	6.44	-2.39	-2.21	6.26	-1.24	8.14	-1.86	-1.51	7.79	-1.84
2	7	233	5.02	-2.12	-1.98	4.87	-1.00	5.75	-0.40	-0.20	5.55	-1.08
2	7	234	3.95	-1.96	-1.84	3.83	-0.82	3.53	0.11	0.22	3.43	-0.58
2	7	235	3.10	-1.86	-1.76	3.01	-0.69	1.88	0.21	0.26	1.83	-0.28
2	7	236	2.40	-1.80	-1.72	2.32	-0.59	0.82	0.17	0.19	0.80	-0.11
2	7	237	1.80	-1.78	-1.71	1.73	-0.50	0.23	0.10	0.11	0.23	-2.11e-02
2	7	238	1.28	-1.78	-1.72	1.21	-0.44	5.26e-02	-3.04e-02	5.07e-02	-2.85e-02	1.24e-02
2	7	239	0.81	-1.80	-1.74	0.75	-0.38	2.79e-02	-9.48e-02	2.51e-02	-9.20e-02	1.83e-02
2	7	240	0.39	-1.83	-1.78	0.34	-0.33	2.37e-02	-6.21e-02	2.20e-02	-6.04e-02	1.21e-02
2	7	241	0.10	-1.83	-1.79	6.09e-02	-0.29	2.64e-02	-2.52e-02	2.57e-02	-2.45e-02	5.85e-03
2	7	242	5.93	-2.28	-1.65	5.31	-2.18	7.74	-1.50	-0.31	6.55	-3.10
2	7	243	4.66	-2.03	-1.53	4.16	-1.77	5.38	-0.28	0.40	4.70	-1.84
2	7	244	3.69	-1.88	-1.46	3.27	-1.47	3.28	0.14	0.50	2.92	-1.00
2	7	245	2.91	-1.79	-1.43	2.56	-1.25	1.73	0.21	0.38	1.56	-0.47
2	7	246	2.26	-1.74	-1.43	1.95	-1.07	0.75	0.17	0.23	0.68	-0.18
2	7	247	1.70	-1.72	-1.45	1.43	-0.92	0.20	9.89e-02	0.11	0.19	-3.27e-02
2	7	248	1.21	-1.72	-1.48	0.97	-0.80	5.08e-02	-3.66e-02	4.31e-02	-2.88e-02	2.48e-02
2	7	249	0.77	-1.74	-1.53	0.55	-0.70	2.78e-02	-9.31e-02	1.72e-02	-8.25e-02	3.43e-02
2	7	250	0.37	-1.77	-1.58	0.17	-0.61	2.42e-02	-5.99e-02	1.76e-02	-5.32e-02	2.27e-02
2	7	251	9.74e-02	-1.77	-1.61	-6.54e-02	-0.53	2.71e-02	-2.42e-02	2.44e-02	-2.15e-02	1.14e-02
2	7	252	5.22	-2.12	-0.97	4.07	-2.67	7.08	-1.04	1.03	5.01	-3.54
2	7	253	4.15	-1.90	-0.95	3.20	-2.20	4.81	-0.12	1.08	3.61	-2.12
2	7	254	3.31	-1.77	-0.97	2.50	-1.85	2.89	0.17	0.81	2.25	-1.15
2	7	255	2.62	-1.69	-1.00	1.93	-1.58	1.51	0.21	0.51	1.21	-0.55
2	7	256	2.04	-1.64	-1.04	1.44	-1.36	0.64	0.15	0.26	0.53	-0.20
2	7	257	1.54	-1.62	-1.09	1.01	-1.18	0.16	9.15e-02	0.11	0.14	-3.02e-02
2	7	258	1.10	-1.63	-1.15	0.62	-1.03	4.81e-02	-4.52e-02	3.03e-02	-2.74e-02	3.66e-02
2	7	259	0.70	-1.64	-1.21	0.27	-0.91	2.78e-02	-9.03e-02	5.43e-03	-6.80e-02	4.62e-02
2	7	260	0.34	-1.67	-1.27	-5.86e-02	-0.80	2.50e-02	-5.63e-02	1.11e-02	-4.24e-02	3.06e-02
2	7	261	8.69e-02	-1.67	-1.34	-0.24	-0.69	2.82e-02	-2.27e-02	2.24e-02	-1.68e-02	1.62e-02
2	7	262	4.43	-1.92	-0.36	2.86	-2.74	6.21	-0.60	2.04	3.56	-3.32
2	7	263	3.55	-1.74	-0.41	2.22	-2.30	4.12	1.53e-02	1.57	2.56	-1.99
2	7	264	2.85	-1.63	-0.48	1.70	-1.96	2.43	0.20	1.03	1.60	-1.08
2	7	265	2.27	-1.56	-0.55	1.27	-1.69	1.25	0.20	0.59	0.86	-0.51
2	7	266	1.78	-1.52	-0.63	0.89	-1.46	0.51	0.14	0.28	0.37	-0.18
2	7	267	1.34	-1.50	-0.70	0.55	-1.27	0.11	8.19e-02	9.72e-02	9.95e-02	-1.64e-02
2	7	268	0.96	-1.49	-0.78	0.24	-1.12	4.45e-02	-5.46e-02	1.30e-02	-2.32e-02	4.62e-02
2	7	269	0.61	-1.51	-0.85	-4.48e-02	-0.98	2.75e-02	-8.64e-02	-8.41e-03	-5.05e-02	5.29e-02
2	7	270	0.29	-1.53	-0.93	-0.31	-0.86	2.57e-02	-5.18e-02	3.41e-03	-2.95e-02	3.51e-02
2	7	271	7.40e-02	-1.53	-1.02	-0.44	-0.75	2.92e-02	-2.04e-02	1.93e-02	-1.05e-02	1.98e-02
2	7	272	3.68	-1.70	6.47e-02	1.91	-2.52	5.23	-0.26	2.52	2.45	-2.75
2	7	273	2.97	-1.55	-1.36e-02	1.44	-2.14	3.38	0.11	1.77	1.73	-1.63
2	7	274	2.40	-1.45	-9.47e-02	1.05	-1.84	1.97	0.21	1.09	1.08	-0.88
2	7	275	1.92	-1.38	-0.18	0.72	-1.59	0.99	0.18	0.59	0.58	-0.40
2	7	276	1.50	-1.34	-0.26	0.43	-1.38	0.39	0.13	0.26	0.25	-0.13
2	7	277	1.13	-1.32	-0.35	0.16	-1.20	7.69e-02	6.82e-02	7.60e-02	6.91e-02	2.65e-03
2	7	278	0.81	-1.31	-0.43	-7.68e-02	-1.05	4.32e-02	-6.18e-02	-5.15e-03	-1.34e-02	5.23e-02
2	7	279	0.52	-1.32	-0.51	-0.30	-0.91	2.92e-02	-8.09e-02	-2.08e-02	-3.09e-02	5.48e-02
2	7	280	0.25	-1.34	-0.58	-0.51	-0.79	2.81e-02	-4.68e-02	-3.50e-03	-1.52e-02	3.69e-02
2	7	281	6.79e-02	-1.34	-0.70	-0.57	-0.70	3.16e-02	-1.78e-02	1.65e-02	-2.70e-03	2.27e-02

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2	7	282	3.70	-1.63	0.49	1.57	-2.61	6.19	-0.59	3.64	1.96	-3.29
2	7	283	2.91	-1.43	0.38	1.11	-2.14	4.10	2.15e-02	2.60	1.53	-1.97
2	7	284	2.31	-1.30	0.27	0.74	-1.79	2.42	0.20	1.61	1.01	-1.07
2	7	285	1.81	-1.21	0.17	0.44	-1.51	1.24	0.20	0.87	0.57	-0.50
2	7	286	1.40	-1.15	6.80e-02	0.18	-1.27	0.51	0.14	0.38	0.27	-0.18
2	7	287	1.05	-1.11	-2.76e-02	-4.00e-02	-1.08	0.12	8.57e-02	0.11	9.41e-02	-1.40e-02
2	7	288	0.74	-1.10	-0.12	-0.24	-0.92	4.88e-02	-4.90e-02	-1.05e-02	1.03e-02	4.77e-02
2	7	289	0.46	-1.09	-0.20	-0.43	-0.77	3.22e-02	-7.94e-02	-3.51e-02	-1.21e-02	5.46e-02
2	7	290	0.22	-1.11	-0.29	-0.60	-0.65	3.04e-02	-4.61e-02	-1.33e-02	-2.41e-03	3.78e-02
2	7	291	6.93e-02	-1.12	-0.41	-0.63	-0.58	3.40e-02	-1.67e-02	1.17e-02	5.63e-03	2.51e-02
2	7	292	3.48	-1.59	0.86	1.03	-2.53	7.04	-1.02	5.08	0.94	-3.46
2	7	293	2.67	-1.34	0.68	0.66	-2.01	4.77	-0.12	3.63	1.02	-2.07
2	7	294	2.08	-1.17	0.53	0.38	-1.62	2.86	0.18	2.25	0.78	-1.12
2	7	295	1.61	-1.05	0.40	0.16	-1.32	1.49	0.21	1.21	0.49	-0.53
2	7	296	1.22	-0.97	0.29	-2.96e-02	-1.09	0.63	0.16	0.53	0.26	-0.19
2	7	297	0.90	-0.91	0.18	-0.19	-0.89	0.17	9.54e-02	0.15	0.11	-2.63e-02
2	7	298	0.63	-0.88	8.63e-02	-0.34	-0.72	5.39e-02	-3.49e-02	-1.20e-02	3.11e-02	3.88e-02
2	7	299	0.39	-0.86	-6.88e-04	-0.48	-0.58	3.49e-02	-7.66e-02	-4.82e-02	6.54e-03	4.85e-02
2	7	300	0.18	-0.87	-8.15e-02	-0.60	-0.45	3.25e-02	-4.48e-02	-2.28e-02	1.05e-02	3.49e-02
2	7	301	5.97e-02	-0.88	-0.21	-0.61	-0.42	3.66e-02	-1.47e-02	7.07e-03	1.48e-02	2.53e-02
2	7	302	2.98	-1.55	0.96	0.47	-2.25	7.68	-1.46	6.59	-0.37	-2.97
2	7	303	2.24	-1.25	0.74	0.25	-1.73	5.31	-0.26	4.68	0.37	-1.76
2	7	304	1.72	-1.04	0.58	9.58e-02	-1.36	3.22	0.15	2.89	0.48	-0.95
2	7	305	1.31	-0.89	0.46	-3.12e-02	-1.07	1.70	0.21	1.55	0.37	-0.45
2	7	306	0.99	-0.78	0.35	-0.14	-0.85	0.73	0.17	0.68	0.22	-0.17
2	7	307	0.72	-0.70	0.25	-0.24	-0.67	0.21	0.10	0.20	0.11	-2.73e-02
2	7	308	0.49	-0.65	0.17	-0.33	-0.51	5.78e-02	-2.24e-02	-1.11e-02	4.66e-02	2.79e-02
2	7	309	0.30	-0.62	9.19e-02	-0.41	-0.38	3.69e-02	-7.32e-02	-5.84e-02	2.22e-02	3.75e-02
2	7	310	0.13	-0.60	2.30e-02	-0.49	-0.26	3.40e-02	-4.28e-02	-3.05e-02	2.18e-02	2.81e-02
2	7	311	5.02e-02	-0.61	-7.82e-02	-0.49	-0.26	3.87e-02	-1.19e-02	2.95e-03	2.38e-02	2.31e-02
2	7	312	2.26	-1.57	0.66	3.66e-02	-1.89	8.06	-1.79	7.77	-1.50	-1.68
2	7	313	1.70	-1.21	0.50	-1.33e-02	-1.43	5.66	-0.37	5.49	-0.20	-1.00
2	7	314	1.30	-0.95	0.40	-5.66e-02	-1.10	3.46	0.12	3.37	0.21	-0.54
2	7	315	0.99	-0.77	0.32	-9.71e-02	-0.85	1.84	0.22	1.79	0.26	-0.25
2	7	316	0.74	-0.62	0.25	-0.14	-0.65	0.80	0.17	0.78	0.19	-9.47e-02
2	7	317	0.53	-0.52	0.19	-0.18	-0.49	0.23	0.11	0.23	0.11	-1.51e-02
2	7	318	0.35	-0.43	0.13	-0.21	-0.35	6.05e-02	-1.29e-02	-9.00e-03	5.66e-02	1.65e-02
2	7	319	0.20	-0.37	8.48e-02	-0.25	-0.23	3.86e-02	-6.91e-02	-6.40e-02	3.36e-02	2.28e-02
2	7	320	7.93e-02	-0.33	4.11e-02	-0.29	-0.12	3.56e-02	-3.98e-02	-3.48e-02	3.06e-02	1.87e-02
2	7	321	4.59e-02	-0.34	-1.84e-02	-0.28	-0.14	4.07e-02	-8.77e-03	3.75e-05	3.19e-02	1.89e-02
2	7	322	1.59	-1.82	2.06e-04	-0.22	-1.70	8.18	-1.90	8.17	-1.90	0.13
2	7	323	1.22	-1.34	2.80e-02	-0.15	-1.28	5.76	-0.40	5.76	-0.40	6.73e-02
2	7	324	0.95	-1.01	4.26e-02	-0.10	-0.98	3.53	0.11	3.53	0.11	3.33e-02
2	7	325	0.74	-0.76	4.74e-02	-7.23e-02	-0.75	1.88	0.22	1.88	0.22	1.61e-02
2	7	326	0.56	-0.57	4.42e-02	-5.42e-02	-0.57	0.82	0.18	0.82	0.18	8.15e-03
2	7	327	0.41	-0.42	3.61e-02	-4.32e-02	-0.41	0.24	0.11	0.24	0.11	5.40e-03
2	7	328	0.28	-0.29	2.66e-02	-3.64e-02	-0.28	6.20e-02	-7.63e-03	-7.22e-03	6.16e-02	5.33e-03
2	7	329	0.16	-0.17	1.76e-02	-3.21e-02	-0.17	4.02e-02	-6.44e-02	-6.40e-02	3.98e-02	6.44e-03
2	7	330	5.44e-02	-7.61e-02	8.13e-03	-2.98e-02	-6.24e-02	3.72e-02	-3.59e-02	-3.50e-02	3.63e-02	7.75e-03
2	7	331	8.68e-02	-0.11	1.68e-03	-2.82e-02	-9.89e-02	4.27e-02	-5.30e-03	-1.24e-03	3.86e-02	1.34e-02
2	7	332	1.27	-2.40	-0.66	-0.46	-1.83	8.02	-1.74	7.64	-1.36	1.89
2	7	333	1.02	-1.74	-0.45	-0.27	-1.37	5.61	-0.35	5.40	-0.14	1.10
2	7	334	0.83	-1.29	-0.32	-0.13	-1.05	3.43	0.13	3.32	0.24	0.59
2	7	335	0.68	-0.95	-0.23	-3.93e-02	-0.81	1.81	0.22	1.76	0.27	0.28
2	7	336	0.56	-0.69	-0.17	3.43e-02	-0.62	0.79	0.17	0.77	0.19	0.11
2	7	337	0.46	-0.49	-0.12	9.41e-02	-0.46	0.23	0.11	0.23	0.11	2.49e-02
2	7	338	0.38	-0.32	-8.32e-02	0.15	-0.33	6.22e-02	-6.76e-03	-6.27e-03	6.17e-02	-5.83e-03
2	7	339	0.31	-0.18	-5.24e-02	0.19	-0.21	4.16e-02	-5.94e-02	-5.85e-02	4.06e-02	-9.65e-03
2	7	340	0.27	-6.54e-02	-2.68e-02	0.23	-0.11	3.89e-02	-3.12e-02	-3.10e-02	3.88e-02	-3.25e-03
2	7	341	0.29	-4.73e-02	2.02e-02	0.23	-0.14	4.46e-02	-1.71e-03	-6.77e-04	4.36e-02	6.85e-03
2	7	342	1.23	-3.05	-0.99	-0.83	-2.14	7.60	-1.37	6.39	-0.17	3.06
2	7	343	1.03	-2.23	-0.71	-0.49	-1.63	5.23	-0.23	4.55	0.45	1.80
2	7	344	0.89	-1.67	-0.52	-0.26	-1.27	3.16	0.16	2.81	0.51	0.97
2	7	345	0.78	-1.25	-0.39	-8.26e-02	-1.00	1.66	0.22	1.50	0.38	0.46
2	7	346	0.70	-0.92	-0.28	5.47e-02	-0.79	0.71	0.17	0.65	0.23	0.17

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2	7	347	0.63	-0.66	-0.20	0.17	-0.62	0.21	0.10	0.19	0.12	3.47e-02
2	7	348	0.59	-0.45	-0.13	0.27	-0.48	6.15e-02	-9.57e-03	-5.21e-03	5.71e-02	-1.71e-02
2	7	349	0.56	-0.26	-6.73e-02	0.36	-0.35	4.29e-02	-5.40e-02	-4.78e-02	3.67e-02	-2.36e-02
2	7	350	0.54	-0.12	-1.44e-02	0.44	-0.24	4.07e-02	-2.59e-02	-2.33e-02	3.81e-02	-1.30e-02
2	7	351	0.56	-4.83e-02	7.57e-02	0.44	-0.24	4.63e-02	1.85e-03	1.85e-03	4.63e-02	-5.23e-05
2	7	352	1.29	-3.51	-0.91	-1.31	-2.39	6.92	-0.93	4.88	1.11	3.44
2	7	353	1.13	-2.63	-0.67	-0.83	-1.88	4.66	-8.10e-02	3.49	1.09	2.04
2	7	354	1.01	-2.00	-0.50	-0.49	-1.51	2.78	0.19	2.16	0.80	1.10
2	7	355	0.93	-1.53	-0.36	-0.24	-1.23	1.44	0.21	1.15	0.50	0.52
2	7	356	0.88	-1.15	-0.24	-3.22e-02	-1.01	0.61	0.16	0.51	0.26	0.19
2	7	357	0.84	-0.84	-0.15	0.14	-0.83	0.17	9.75e-02	0.15	0.12	3.16e-02
2	7	358	0.81	-0.58	-6.26e-02	0.29	-0.67	5.99e-02	-1.46e-02	-2.44e-03	4.78e-02	-2.76e-02
2	7	359	0.80	-0.36	1.36e-02	0.43	-0.54	4.40e-02	-4.81e-02	-3.33e-02	2.92e-02	-3.38e-02
2	7	360	0.81	-0.17	8.15e-02	0.56	-0.42	4.25e-02	-2.03e-02	-1.27e-02	3.48e-02	-2.05e-02
2	7	361	0.82	-5.73e-02	0.20	0.57	-0.40	4.76e-02	5.22e-03	6.31e-03	4.65e-02	-6.72e-03
2	7	362	1.36	-3.70	-0.58	-1.76	-2.46	6.04	-0.52	3.48	2.04	3.20
2	7	363	1.23	-2.86	-0.42	-1.21	-2.01	3.97	4.83e-02	2.47	1.54	1.91
2	7	364	1.15	-2.23	-0.27	-0.81	-1.67	2.33	0.21	1.53	1.00	1.03
2	7	365	1.09	-1.73	-0.15	-0.48	-1.40	1.19	0.20	0.82	0.57	0.48
2	7	366	1.06	-1.33	-5.07e-02	-0.22	-1.19	0.49	0.14	0.36	0.27	0.17
2	7	367	1.04	-0.99	4.09e-02	9.34e-03	-1.01	0.13	8.96e-02	0.11	0.11	1.85e-02
2	7	368	1.03	-0.69	0.12	0.21	-0.86	5.77e-02	-2.04e-02	3.07e-03	3.43e-02	-3.58e-02
2	7	369	1.03	-0.43	0.20	0.39	-0.73	4.48e-02	-4.19e-02	-1.66e-02	1.95e-02	-3.94e-02
2	7	370	1.05	-0.21	0.27	0.57	-0.61	4.38e-02	-1.47e-02	-4.39e-04	2.96e-02	-2.51e-02
2	7	371	1.06	-6.68e-02	0.40	0.60	-0.55	4.80e-02	8.26e-03	1.25e-02	4.37e-02	-1.23e-02
2	7	372	1.45	-3.67	-0.18	-2.03	-2.39	5.07	-0.20	2.40	2.46	2.63
2	7	373	1.36	-2.91	-4.55e-02	-1.50	-2.00	3.25	0.14	1.68	1.71	1.56
2	7	374	1.30	-2.31	7.02e-02	-1.08	-1.71	1.88	0.21	1.03	1.05	0.83
2	7	375	1.27	-1.83	0.17	-0.73	-1.48	0.94	0.18	0.56	0.57	0.38
2	7	376	1.25	-1.42	0.26	-0.43	-1.29	0.38	0.13	0.25	0.26	0.12
2	7	377	1.24	-1.07	0.34	-0.17	-1.13	8.98e-02	8.25e-02	8.27e-02	8.96e-02	1.16e-03
2	7	378	1.24	-0.76	0.41	6.48e-02	-0.99	5.81e-02	-2.46e-02	1.27e-02	2.09e-02	-4.11e-02
2	7	379	1.26	-0.49	0.49	0.28	-0.87	4.77e-02	-3.55e-02	1.07e-03	1.11e-02	-4.13e-02
2	7	380	1.28	-0.24	0.56	0.48	-0.76	4.64e-02	-9.42e-03	1.26e-02	2.44e-02	-2.73e-02
2	7	381	1.28	-6.52e-02	0.67	0.55	-0.67	4.84e-02	1.05e-02	1.99e-02	3.91e-02	-1.64e-02
2	7	382	1.63	-4.42	0.17	-2.96	-2.58	6.02	-0.51	1.96	3.56	3.16
2	7	383	1.54	-3.49	0.31	-2.26	-2.16	3.95	5.44e-02	1.50	2.51	1.88
2	7	384	1.47	-2.77	0.41	-1.71	-1.84	2.32	0.21	0.98	1.55	1.01
2	7	385	1.44	-2.18	0.51	-1.25	-1.58	1.18	0.20	0.56	0.83	0.47
2	7	386	1.42	-1.70	0.59	-0.87	-1.38	0.49	0.15	0.27	0.37	0.17
2	7	387	1.42	-1.28	0.67	-0.53	-1.20	0.13	9.35e-02	0.10	0.12	1.61e-02
2	7	388	1.42	-0.91	0.75	-0.23	-1.06	6.19e-02	-1.46e-02	3.16e-02	1.57e-02	-3.74e-02
2	7	389	1.44	-0.58	0.82	4.37e-02	-0.93	4.93e-02	-3.47e-02	1.59e-02	-1.21e-03	-4.11e-02
2	7	390	1.47	-0.28	0.89	0.30	-0.82	4.80e-02	-8.38e-03	2.38e-02	1.58e-02	-2.79e-02
2	7	391	1.48	-7.13e-02	0.99	0.42	-0.72	5.02e-02	1.46e-02	3.00e-02	3.47e-02	-1.77e-02
2	7	392	1.77	-5.21	0.69	-4.13	-2.53	6.88	-0.91	1.02	4.95	3.36
2	7	393	1.66	-4.08	0.78	-3.20	-2.07	4.62	-7.14e-02	1.04	3.51	1.99
2	7	394	1.60	-3.22	0.85	-2.48	-1.74	2.75	0.19	0.78	2.16	1.07
2	7	395	1.56	-2.53	0.92	-1.89	-1.49	1.42	0.21	0.48	1.15	0.50
2	7	396	1.54	-1.96	0.98	-1.40	-1.29	0.60	0.16	0.26	0.51	0.18
2	7	397	1.54	-1.47	1.04	-0.97	-1.12	0.17	0.10	0.12	0.16	2.76e-02
2	7	398	1.55	-1.05	1.10	-0.60	-0.98	6.54e-02	-3.95e-03	4.85e-02	1.30e-02	-2.98e-02
2	7	399	1.58	-0.67	1.17	-0.25	-0.87	5.07e-02	-3.39e-02	3.04e-02	-1.35e-02	-3.61e-02
2	7	400	1.61	-0.32	1.23	5.85e-02	-0.77	4.89e-02	-7.74e-03	3.42e-02	6.91e-03	-2.48e-02
2	7	401	1.62	-8.41e-02	1.30	0.24	-0.66	5.11e-02	1.82e-02	3.90e-02	3.02e-02	-1.59e-02
2	7	402	1.88	-5.93	1.29	-5.33	-2.07	7.53	-1.33	-0.23	6.43	2.93
2	7	403	1.77	-4.60	1.29	-4.13	-1.67	5.16	-0.21	0.42	4.53	1.72
2	7	404	1.69	-3.60	1.30	-3.21	-1.39	3.11	0.16	0.49	2.78	0.93
2	7	405	1.65	-2.82	1.32	-2.49	-1.17	1.63	0.22	0.37	1.48	0.44
2	7	406	1.64	-2.17	1.35	-1.89	-1.01	0.70	0.17	0.22	0.65	0.16
2	7	407	1.64	-1.63	1.38	-1.38	-0.87	0.21	0.11	0.12	0.20	2.94e-02
2	7	408	1.65	-1.15	1.42	-0.93	-0.76	6.79e-02	5.21e-03	6.06e-02	1.25e-02	-2.01e-02
2	7	409	1.68	-0.73	1.47	-0.53	-0.67	5.13e-02	-3.33e-02	4.18e-02	-2.38e-02	-2.67e-02
2	7	410	1.71	-0.35	1.52	-0.16	-0.59	4.91e-02	-7.39e-03	4.23e-02	-5.46e-04	-1.84e-02
2	7	411	1.72	-9.43e-02	1.56	6.29e-02	-0.51	5.12e-02	2.08e-02	4.57e-02	2.63e-02	-1.18e-02

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2	7	412	1.96	-6.43	1.79	-6.26	-1.18	7.94	-1.67	-1.34	7.61	1.73
2	7	413	1.83	-4.96	1.70	-4.83	-0.94	5.52	-0.32	-0.14	5.34	1.01
2	7	414	1.76	-3.86	1.65	-3.76	-0.77	3.35	0.14	0.23	3.26	0.54
2	7	415	1.71	-3.01	1.62	-2.92	-0.65	1.77	0.22	0.26	1.72	0.26
2	7	416	1.70	-2.31	1.62	-2.24	-0.56	0.77	0.17	0.19	0.75	9.61e-02
2	7	417	1.70	-1.73	1.63	-1.66	-0.48	0.23	0.11	0.11	0.23	1.89e-02
2	7	418	1.71	-1.22	1.65	-1.16	-0.42	6.93e-02	1.15e-02	6.76e-02	1.33e-02	-9.95e-03
2	7	419	1.74	-0.78	1.68	-0.72	-0.37	5.16e-02	-3.29e-02	4.91e-02	-3.05e-02	-1.42e-02
2	7	420	1.77	-0.37	1.72	-0.32	-0.32	4.92e-02	-7.21e-03	4.74e-02	-5.45e-03	-9.82e-03
2	7	421	1.78	-0.10	1.74	-5.91e-02	-0.28	5.12e-02	2.24e-02	4.98e-02	2.38e-02	-6.23e-03
2	7	422	1.98	-6.62	1.98	-6.62	-6.56e-05	8.07	-1.79	-1.79	8.07	-5.33e-06
2	7	423	1.86	-5.09	1.86	-5.09	-1.29e-05	5.65	-0.36	-0.36	5.65	1.92e-06
2	7	424	1.78	-3.96	1.78	-3.96		3.44	0.13	0.13	3.44	
2	7	425	1.73	-3.08	1.73	-3.08	4.36e-06	1.82	0.22	0.22	1.82	
2	7	426	1.72	-2.36	1.72	-2.36	4.06e-06	0.79	0.18	0.18	0.79	
2	7	427	1.72	-1.77	1.72	-1.77	2.90e-06	0.24	0.11	0.11	0.24	
2	7	428	1.73	-1.25	1.73	-1.25	1.76e-06	6.99e-02	1.37e-02	6.99e-02	1.37e-02	
2	7	429	1.76	-0.79	1.76	-0.79		5.17e-02	-3.28e-02	5.17e-02	-3.28e-02	
2	7	430	1.79	-0.38	1.79	-0.38		4.91e-02	-7.19e-03	4.91e-02	-7.19e-03	
2	7	431	1.80	-0.10	1.80	-0.10	1.28e-06	5.11e-02	2.30e-02	5.11e-02	2.30e-02	
2	7	432	1.96	-6.43	1.79	-6.26	1.18	7.94	-1.67	-1.34	7.61	-1.73
2	7	433	1.83	-4.96	1.70	-4.83	0.94	5.52	-0.32	-0.14	5.34	-1.01
2	7	434	1.76	-3.86	1.65	-3.76	0.77	3.35	0.14	0.23	3.26	-0.54
2	7	435	1.71	-3.01	1.62	-2.92	0.65	1.77	0.22	0.26	1.72	-0.26
2	7	436	1.70	-2.31	1.62	-2.24	0.56	0.77	0.17	0.19	0.75	-9.61e-02
2	7	437	1.70	-1.73	1.63	-1.66	0.48	0.23	0.11	0.11	0.23	-1.89e-02
2	7	438	1.71	-1.22	1.65	-1.16	0.42	6.93e-02	1.15e-02	6.76e-02	1.33e-02	9.95e-03
2	7	439	1.74	-0.78	1.68	-0.72	0.37	5.16e-02	-3.29e-02	4.91e-02	-3.05e-02	1.42e-02
2	7	440	1.77	-0.37	1.72	-0.32	0.32	4.92e-02	-7.21e-03	4.74e-02	-5.45e-03	9.82e-03
2	7	441	1.78	-0.10	1.74	-5.91e-02	0.28	5.12e-02	2.24e-02	4.98e-02	2.38e-02	6.23e-03
2	7	442	1.88	-5.93	1.29	-5.34	2.07	7.53	-1.33	-0.23	6.43	-2.93
2	7	443	1.77	-4.60	1.29	-4.13	1.67	5.16	-0.21	0.42	4.53	-1.72
2	7	444	1.69	-3.60	1.30	-3.21	1.39	3.11	0.16	0.49	2.78	-0.93
2	7	445	1.65	-2.82	1.32	-2.49	1.17	1.63	0.22	0.37	1.48	-0.44
2	7	446	1.64	-2.17	1.35	-1.89	1.01	0.70	0.17	0.22	0.65	-0.16
2	7	447	1.64	-1.63	1.38	-1.38	0.87	0.21	0.11	0.12	0.20	-2.94e-02
2	7	448	1.65	-1.15	1.42	-0.93	0.76	6.79e-02	5.21e-03	6.06e-02	1.25e-02	2.01e-02
2	7	449	1.68	-0.73	1.47	-0.53	0.67	5.13e-02	-3.33e-02	4.18e-02	-2.38e-02	2.67e-02
2	7	450	1.71	-0.35	1.52	-0.16	0.59	4.91e-02	-7.39e-03	4.23e-02	-5.46e-04	1.84e-02
2	7	451	1.72	-9.43e-02	1.56	6.29e-02	0.51	5.12e-02	2.08e-02	4.57e-02	2.63e-02	1.18e-02
2	7	452	1.77	-5.21	0.69	-4.13	2.52	6.88	-0.91	1.02	4.95	-3.36
2	7	453	1.66	-4.08	0.78	-3.20	2.07	4.62	-7.14e-02	1.04	3.51	-1.99
2	7	454	1.60	-3.22	0.85	-2.48	1.74	2.75	0.19	0.78	2.16	-1.07
2	7	455	1.56	-2.53	0.92	-1.89	1.49	1.42	0.21	0.48	1.15	-0.50
2	7	456	1.54	-1.96	0.98	-1.40	1.29	0.60	0.16	0.26	0.51	-0.18
2	7	457	1.54	-1.47	1.04	-0.97	1.12	0.17	0.10	0.12	0.16	-2.76e-02
2	7	458	1.55	-1.05	1.10	-0.60	0.98	6.54e-02	-3.95e-03	4.85e-02	1.30e-02	2.98e-02
2	7	459	1.58	-0.67	1.17	-0.25	0.87	5.07e-02	-3.39e-02	3.04e-02	-1.35e-02	3.61e-02
2	7	460	1.61	-0.32	1.23	5.85e-02	0.77	4.89e-02	-7.74e-03	3.42e-02	6.91e-03	2.48e-02
2	7	461	1.62	-8.41e-02	1.30	0.24	0.66	5.11e-02	1.82e-02	3.90e-02	3.02e-02	1.59e-02
2	7	462	1.63	-4.42	0.18	-2.96	2.59	6.02	-0.51	1.96	3.56	-3.16
2	7	463	1.54	-3.49	0.31	-2.26	2.16	3.95	5.43e-02	1.50	2.51	-1.88
2	7	464	1.47	-2.77	0.41	-1.71	1.84	2.32	0.21	0.98	1.55	-1.01
2	7	465	1.44	-2.18	0.51	-1.25	1.58	1.18	0.20	0.56	0.83	-0.47
2	7	466	1.42	-1.70	0.59	-0.87	1.38	0.49	0.15	0.27	0.37	-0.17
2	7	467	1.42	-1.28	0.67	-0.53	1.20	0.13	9.35e-02	0.10	0.12	-1.61e-02
2	7	468	1.42	-0.91	0.75	-0.23	1.06	6.19e-02	-1.46e-02	3.16e-02	1.57e-02	3.74e-02
2	7	469	1.44	-0.58	0.82	4.37e-02	0.93	4.93e-02	-3.47e-02	1.59e-02	-1.21e-03	4.11e-02
2	7	470	1.47	-0.28	0.89	0.30	0.82	4.80e-02	-8.38e-03	2.38e-02	1.58e-02	2.79e-02
2	7	471	1.48	-7.13e-02	0.99	0.42	0.72	5.02e-02	1.46e-02	3.00e-02	3.47e-02	1.77e-02
2	7	472	1.45	-3.66	-0.19	-2.03	2.38	5.07	-0.20	2.40	2.46	-2.63
2	7	473	1.36	-2.90	-4.81e-02	-1.50	2.00	3.25	0.14	1.68	1.71	-1.56
2	7	474	1.30	-2.31	6.91e-02	-1.08	1.71	1.88	0.21	1.03	1.05	-0.83
2	7	475	1.27	-1.83	0.17	-0.73	1.48	0.94	0.18	0.56	0.57	-0.38
2	7	476	1.25	-1.42	0.26	-0.43	1.29	0.38	0.13	0.25	0.26	-0.12

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2	7	477	1.24	-1.07	0.34	-0.17	1.13	8.98e-02	8.25e-02	8.27e-02	8.96e-02	-1.16e-03
2	7	478	1.24	-0.76	0.41	6.48e-02	0.99	5.81e-02	-2.46e-02	1.27e-02	2.09e-02	4.11e-02
2	7	479	1.26	-0.49	0.49	0.28	0.87	4.77e-02	-3.55e-02	1.07e-03	1.11e-02	4.13e-02
2	7	480	1.28	-0.24	0.56	0.48	0.76	4.64e-02	-9.42e-03	1.26e-02	2.44e-02	2.73e-02
2	7	481	1.28	-6.51e-02	0.67	0.55	0.67	4.84e-02	1.05e-02	1.99e-02	3.91e-02	1.64e-02
2	7	482	1.35	-3.70	-0.58	-1.76	2.45	6.04	-0.52	3.48	2.04	-3.20
2	7	483	1.23	-2.86	-0.42	-1.21	2.01	3.97	4.83e-02	2.48	1.54	-1.91
2	7	484	1.15	-2.23	-0.27	-0.81	1.67	2.33	0.21	1.53	1.00	-1.03
2	7	485	1.09	-1.73	-0.15	-0.48	1.40	1.19	0.20	0.82	0.57	-0.48
2	7	486	1.06	-1.33	-5.08e-02	-0.22	1.19	0.49	0.14	0.36	0.27	-0.17
2	7	487	1.04	-0.99	4.08e-02	9.26e-03	1.01	0.13	8.96e-02	0.11	0.11	-1.85e-02
2	7	488	1.03	-0.69	0.12	0.21	0.86	5.77e-02	-2.04e-02	3.07e-03	3.43e-02	3.58e-02
2	7	489	1.03	-0.43	0.20	0.39	0.73	4.48e-02	-4.19e-02	-1.66e-02	1.95e-02	3.94e-02
2	7	490	1.05	-0.21	0.27	0.57	0.61	4.38e-02	-1.47e-02	-4.39e-04	2.96e-02	2.51e-02
2	7	491	1.06	-6.68e-02	0.40	0.60	0.55	4.80e-02	8.26e-03	1.25e-02	4.37e-02	1.23e-02
2	7	492	1.29	-3.51	-0.91	-1.31	2.39	6.92	-0.93	4.88	1.11	-3.44
2	7	493	1.13	-2.63	-0.67	-0.83	1.88	4.66	-8.10e-02	3.49	1.09	-2.04
2	7	494	1.01	-2.00	-0.50	-0.49	1.51	2.78	0.19	2.16	0.80	-1.10
2	7	495	0.93	-1.53	-0.36	-0.24	1.23	1.44	0.21	1.15	0.50	-0.52
2	7	496	0.88	-1.15	-0.24	-3.23e-02	1.01	0.61	0.16	0.51	0.26	-0.19
2	7	497	0.84	-0.84	-0.15	0.14	0.83	0.17	9.75e-02	0.15	0.12	-3.16e-02
2	7	498	0.81	-0.58	-6.26e-02	0.29	0.67	6.00e-02	-1.46e-02	-2.44e-03	4.78e-02	2.76e-02
2	7	499	0.80	-0.36	1.36e-02	0.43	0.54	4.40e-02	-4.81e-02	-3.33e-02	2.92e-02	3.38e-02
2	7	500	0.81	-0.17	8.15e-02	0.56	0.42	4.25e-02	-2.03e-02	-1.27e-02	3.48e-02	2.05e-02
2	7	501	0.82	-5.74e-02	0.20	0.57	0.40	4.76e-02	5.22e-03	6.31e-03	4.65e-02	6.72e-03
2	7	502	1.23	-3.05	-0.99	-0.83	2.14	7.60	-1.37	6.39	-0.17	-3.06
2	7	503	1.03	-2.23	-0.71	-0.49	1.63	5.23	-0.23	4.55	0.45	-1.80
2	7	504	0.89	-1.67	-0.52	-0.26	1.27	3.16	0.16	2.81	0.51	-0.97
2	7	505	0.78	-1.25	-0.39	-8.26e-02	1.00	1.66	0.22	1.50	0.38	-0.46
2	7	506	0.70	-0.92	-0.28	5.47e-02	0.79	0.71	0.17	0.65	0.23	-0.17
2	7	507	0.63	-0.66	-0.20	0.17	0.62	0.21	0.10	0.19	0.12	-3.47e-02
2	7	508	0.59	-0.45	-0.13	0.27	0.48	6.15e-02	-9.57e-03	-5.21e-03	5.71e-02	1.71e-02
2	7	509	0.56	-0.26	-6.73e-02	0.36	0.35	4.29e-02	-5.40e-02	-4.78e-02	3.67e-02	2.36e-02
2	7	510	0.54	-0.12	-1.44e-02	0.44	0.24	4.07e-02	-2.59e-02	-2.33e-02	3.81e-02	1.30e-02
2	7	511	0.56	-4.84e-02	7.57e-02	0.44	0.24	4.63e-02	1.85e-03	1.85e-03	4.63e-02	5.23e-05
2	7	512	1.27	-2.40	-0.66	-0.46	1.83	8.02	-1.74	7.64	-1.36	-1.89
2	7	513	1.02	-1.74	-0.45	-0.27	1.37	5.61	-0.35	5.40	-0.14	-1.10
2	7	514	0.83	-1.29	-0.32	-0.13	1.05	3.43	0.13	3.32	0.24	-0.59
2	7	515	0.68	-0.95	-0.23	-3.94e-02	0.81	1.81	0.22	1.76	0.27	-0.28
2	7	516	0.56	-0.69	-0.17	3.43e-02	0.62	0.79	0.17	0.77	0.19	-0.11
2	7	517	0.46	-0.49	-0.12	9.41e-02	0.46	0.23	0.11	0.23	0.11	-2.49e-02
2	7	518	0.38	-0.32	-8.32e-02	0.15	0.33	6.22e-02	-6.76e-03	-6.27e-03	6.17e-02	5.83e-03
2	7	519	0.31	-0.18	-5.24e-02	0.19	0.21	4.16e-02	-5.94e-02	-5.85e-02	4.06e-02	9.65e-03
2	7	520	0.27	-6.54e-02	-2.68e-02	0.23	0.11	3.89e-02	-3.12e-02	-3.10e-02	3.88e-02	3.25e-03
2	7	521	0.29	-4.72e-02	2.02e-02	0.23	0.14	4.46e-02	-1.71e-03	-6.77e-04	4.36e-02	-6.85e-03
2	11	1	1.41	-3.97	-0.24	-2.33	-2.48	6.18	-0.99	2.54	2.64	3.59
2	11	2	1.61	-4.93	9.91e-02	-3.42	-2.76	7.09	-1.72	1.68	3.69	4.29
2	11	3	1.63	-5.43	-0.43	-3.37	-3.21	7.92	-3.09	2.32	2.51	5.50
2	11	4	1.40	-4.20	-0.69	-2.12	-2.70	7.10	-1.73	3.57	1.81	4.33
2	11	5	1.71	-5.71	-1.07	-2.93	-3.59	8.27	-4.78	3.44	5.19e-02	6.30
2	11	6	1.41	-4.15	-1.07	-1.68	-2.76	7.78	-2.67	4.92	0.20	4.66
2	11	7	1.76	-5.47	-1.64	-2.07	-3.61	8.14	-6.66	5.01	-3.53	6.04
2	11	8	1.42	-3.74	-1.24	-1.09	-2.58	8.17	-3.66	6.44	-1.93	4.18
2	11	9	1.83	-4.34	-1.45	-1.06	-3.08	7.74	-8.26	6.65	-7.18	4.02
2	11	10	1.52	-2.95	-0.90	-0.54	-2.23	8.32	-4.47	7.76	-3.90	2.63
2	11	11	2.46	-2.90	-0.13	-0.30	-2.68	7.49	-9.00	7.49	-8.99	0.34
2	11	12	1.95	-2.14	-4.73e-02	-0.14	-2.05	8.35	-4.83	8.35	-4.82	0.22
2	11	13	4.01	-2.31	1.18	0.52	-3.14	7.67	-8.55	6.87	-7.75	-3.51
2	11	14	2.83	-1.76	0.79	0.27	-2.28	8.33	-4.60	7.91	-4.18	-2.28
2	11	15	5.24	-2.21	1.38	1.65	-3.73	8.07	-7.06	5.24	-4.23	-5.90
2	11	16	3.68	-1.70	1.11	0.87	-2.68	8.19	-3.86	6.66	-2.32	-4.02
2	11	17	5.56	-2.11	0.83	2.63	-3.73	8.27	-5.15	3.59	-0.47	-6.39
2	11	18	4.14	-1.69	0.93	1.52	-2.90	7.85	-2.87	5.12	-0.14	-4.67
2	11	19	5.36	-1.97	0.23	3.16	-3.36	7.99	-3.36	2.41	2.22	-5.68
2	11	20	4.22	-1.66	0.53	2.03	-2.84	7.22	-1.89	3.72	1.60	-4.43

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2	11	21	4.91	-1.83	-0.19	3.27	-2.89	7.23	-1.90	1.73	3.59	-4.47
2	11	22	4.07	-1.61	0.19	2.28	-2.64	6.32	-1.11	2.65	2.56	-3.72
2	11	23	1.78	-5.90	0.63	-4.75	-2.75	7.76	-2.64	6.26e-02	5.06	4.56
2	11	24	1.86	-6.85	0.15	-5.13	-3.47	8.28	-4.76	-0.17	3.68	6.23
2	11	25	2.07	-7.77	-0.58	-5.12	-4.36	7.95	-7.64	-9.27e-03	0.32	7.79
2	11	26	2.36	-8.48	-1.84	-4.28	-5.29	6.68	-11.10	0.97	-5.39	8.30
2	11	27	2.36	-7.21	-2.44	-2.41	-4.78	4.95	-14.32	2.76	-12.12	6.13
2	11	28	3.10	-3.74	-0.24	-0.41	-3.42	3.98	-15.95	3.97	-15.94	0.49
2	11	29	6.73	-2.99	1.96	1.78	-4.86	4.66	-15.04	3.02	-13.40	-5.43
2	11	30	8.17	-2.92	1.42	3.83	-5.41	6.37	-11.90	1.04	-6.57	-8.31
2	11	31	7.52	-2.54	0.22	4.76	-4.49	7.77	-8.24	-6.87e-02	-0.39	-8.00
2	11	32	6.71	-2.27	-0.45	4.90	-3.61	8.26	-5.17	-0.25	3.34	-6.47
2	11	33	5.86	-2.03	-0.78	4.61	-2.88	7.87	-2.90	-1.83e-03	4.97	-4.77
2	11	34	1.92	-6.81	1.27	-6.16	-2.29	8.15	-3.59	-2.02	6.58	4.00
2	11	35	2.04	-8.25	1.01	-7.23	-3.08	8.17	-6.59	-3.72	5.30	5.84
2	11	36	2.36	-10.02	0.65	-8.32	-4.27	6.75	-11.08	-5.75	1.42	8.16
2	11	37	3.01	-12.54	-0.15	-9.38	-6.26	3.48	-17.40	-7.21	-6.72	10.43
2	11	38	5.04	-19.56	-4.63	-9.89	-12.01	-1.38	-23.64	-6.28	-18.73	9.23
2	11	39	0.30	-1.51	-0.53	-0.67	-0.90	-4.26	-27.92	-4.27	-27.90	0.52
2	11	40	19.05	-5.77	3.98	9.30	-12.12	-2.70	-26.36	-6.57	-22.48	-8.76
2	11	41	12.10	-3.53	-0.33	8.90	-6.31	2.59	-18.71	-7.82	-8.31	-10.65
2	11	42	9.69	-2.90	-1.11	7.90	-4.39	6.29	-11.91	-6.21	0.59	-8.44
2	11	43	8.04	-2.52	-1.44	6.96	-3.20	8.03	-7.13	-4.05	4.95	-6.10
2	11	44	6.73	-2.19	-1.49	6.04	-2.39	8.21	-3.92	-2.23	6.52	-4.20
2	11	45	2.00	-7.45	1.81	-7.26	-1.32	8.32	-4.34	-3.87	7.85	2.39
2	11	46	2.11	-9.27	1.80	-8.97	-1.84	7.84	-8.09	-7.18	6.93	3.69
2	11	47	2.38	-11.68	1.87	-11.18	-2.61	5.19	-14.19	-12.35	3.34	5.69
2	11	48	2.98	-14.97	2.22	-14.22	-3.61	-1.26	-24.27	-20.01	-5.52	8.94
2	11	49	8.62	-18.73	8.14	-18.25	-3.58	-13.46	-43.95	-28.46	-28.95	15.24
2	11	50	-0.11	-4.40	-2.32	-2.19	-2.15	-18.50	-50.36	-18.50	-50.35	0.34
2	11	51	19.55	-7.62	-7.23	19.17	-3.21	-15.85	-45.43	-30.89	-30.40	-14.79
2	11	52	14.37	-3.61	-2.81	13.57	-3.71	-2.87	-25.66	-21.20	-7.33	-9.04
2	11	53	11.23	-3.03	-2.51	10.71	-2.69	4.40	-15.14	-13.18	2.44	-5.87
2	11	54	9.01	-2.66	-2.34	8.70	-1.90	7.56	-8.71	-7.74	6.59	-3.85
2	11	55	7.35	-2.28	-2.08	7.15	-1.37	8.33	-4.72	-4.21	7.82	-2.52
2	11	56	2.03	-7.67	2.03	-7.67	-3.19e-05	8.36	-4.63	-4.63	8.36	1.31e-06
2	11	57	2.10	-9.64	2.10	-9.64	4.98e-05	7.65	-8.67	-8.67	7.65	5.25e-06
2	11	58	2.20	-12.25	2.20	-12.25	3.56e-05	4.43	-15.43	-15.43	4.43	
2	11	59	1.39	-15.90	1.39	-15.90	2.37e-05	-3.22	-27.18	-27.18	-3.22	
2	11	60	-8.92	-20.27	-8.92	-20.27	7.30e-06	-15.20	-49.92	-49.92	-15.20	
2	11	61	3.70	3.70	3.70	3.70		-117.18	-117.18	-117.18	-117.18	
2	11	62	15.63	4.54	4.54	15.63	6.18e-06	-21.80	-50.78	-50.78	-21.80	
2	11	63	14.83	-2.73	-2.73	14.83	1.89e-05	-5.33	-28.63	-28.63	-5.33	
2	11	64	11.77	-3.01	-3.01	11.77	1.79e-05	3.50	-16.44	-16.44	3.50	
2	11	65	9.37	-2.70	-2.70	9.37	-1.77e-05	7.32	-9.32	-9.32	7.32	6.14e-06
2	11	66	7.58	-2.31	-2.31	7.58	3.89e-05	8.35	-5.02	-5.02	8.35	-1.03e-06
2	11	67	2.00	-7.45	1.81	-7.26	1.32	8.32	-4.34	-3.87	7.85	-2.39
2	11	68	2.11	-9.27	1.80	-8.97	1.84	7.84	-8.09	-7.18	6.93	-3.69
2	11	69	2.38	-11.68	1.87	-11.18	2.61	5.19	-14.19	-12.35	3.34	-5.69
2	11	70	2.98	-14.97	2.22	-14.22	3.61	-1.26	-24.27	-20.01	-5.52	-8.94
2	11	71	8.62	-18.73	8.14	-18.25	3.58	-13.46	-43.95	-28.46	-28.95	-15.24
2	11	72	-0.11	-4.40	-2.32	-2.19	2.15	-18.50	-50.36	-18.50	-50.35	-0.34
2	11	73	19.55	-7.62	-7.23	19.17	3.21	-15.85	-45.43	-30.89	-30.40	14.79
2	11	74	14.37	-3.61	-2.81	13.57	3.71	-2.87	-25.66	-21.20	-7.33	9.04
2	11	75	11.23	-3.03	-2.51	10.71	2.69	4.40	-15.14	-13.18	2.44	5.87
2	11	76	9.01	-2.66	-2.34	8.70	1.90	7.56	-8.71	-7.74	6.59	3.85
2	11	77	7.35	-2.28	-2.08	7.15	1.37	8.33	-4.72	-4.21	7.82	2.52
2	11	78	1.92	-6.81	1.27	-6.16	2.29	8.15	-3.59	-2.02	6.58	-4.00
2	11	79	2.04	-8.25	1.01	-7.23	3.08	8.17	-6.59	-3.72	5.30	-5.84
2	11	80	2.36	-10.02	0.65	-8.32	4.27	6.75	-11.08	-5.75	1.42	-8.16
2	11	81	3.01	-12.54	-0.15	-9.38	6.26	3.48	-17.40	-7.21	-6.72	-10.43
2	11	82	5.04	-19.56	-4.63	-9.89	12.01	-1.38	-23.64	-6.28	-18.73	-9.23
2	11	83	0.30	-1.51	-0.53	-0.67	0.90	-4.26	-27.92	-4.27	-27.90	-0.52
2	11	84	19.05	-5.77	3.98	9.30	12.12	-2.70	-26.36	-6.57	-22.48	8.76
2	11	85	12.10	-3.53	-0.33	8.90	6.31	2.59	-18.71	-7.82	-8.31	10.65

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2	11	86	9.69	-2.90	-1.11	7.90	4.39	6.29	-11.91	-6.21	0.59	8.44
2	11	87	8.04	-2.52	-1.44	6.96	3.20	8.03	-7.13	-4.05	4.95	6.10
2	11	88	6.73	-2.19	-1.49	6.03	2.40	8.21	-3.92	-2.23	6.52	4.20
2	11	89	1.78	-5.90	0.62	-4.75	2.75	7.76	-2.64	6.30e-02	5.06	-4.56
2	11	90	1.86	-6.85	0.15	-5.13	3.47	8.28	-4.76	-0.17	3.68	-6.23
2	11	91	2.07	-7.77	-0.58	-5.12	4.36	7.95	-7.64	-9.27e-03	0.32	-7.79
2	11	92	2.36	-8.48	-1.84	-4.28	5.29	6.68	-11.10	0.97	-5.39	-8.30
2	11	93	2.36	-7.21	-2.44	-2.41	4.78	4.95	-14.32	2.76	-12.12	-6.13
2	11	94	3.10	-3.74	-0.24	-0.41	3.42	3.98	-15.95	3.97	-15.94	-0.49
2	11	95	6.73	-2.99	1.96	1.78	4.86	4.66	-15.04	3.02	-13.40	5.43
2	11	96	8.17	-2.92	1.42	3.83	5.41	6.37	-11.90	1.04	-6.57	8.31
2	11	97	7.52	-2.54	0.22	4.76	4.49	7.77	-8.24	-6.87e-02	-0.39	8.00
2	11	98	6.71	-2.27	-0.45	4.89	3.61	8.26	-5.17	-0.25	3.34	6.47
2	11	99	5.86	-2.03	-0.78	4.61	2.88	7.87	-2.90	-2.21e-03	4.97	4.77
2	11	100	1.61	-4.93	9.79e-02	-3.42	2.76	7.09	-1.72	1.68	3.69	-4.29
2	11	101	1.63	-5.43	-0.43	-3.37	3.21	7.92	-3.09	2.32	2.51	-5.50
2	11	102	1.71	-5.71	-1.07	-2.93	3.59	8.27	-4.78	3.44	5.20e-02	-6.30
2	11	103	1.76	-5.47	-1.64	-2.07	3.61	8.14	-6.66	5.01	-3.53	-6.04
2	11	104	1.83	-4.34	-1.45	-1.06	3.08	7.74	-8.26	6.65	-7.18	-4.02
2	11	105	2.46	-2.90	-0.13	-0.30	2.68	7.49	-9.00	7.49	-8.99	-0.34
2	11	106	4.01	-2.31	1.18	0.52	3.14	7.67	-8.55	6.87	-7.75	3.51
2	11	107	5.24	-2.21	1.38	1.65	3.73	8.07	-7.06	5.24	-4.23	5.90
2	11	108	5.56	-2.11	0.83	2.63	3.73	8.27	-5.15	3.59	-0.47	6.39
2	11	109	5.36	-1.97	0.22	3.16	3.36	7.99	-3.36	2.41	2.22	5.68
2	11	110	4.91	-1.83	-0.19	3.26	2.90	7.23	-1.90	1.73	3.59	4.47
2	11	111	1.42	-3.98	-0.22	-2.34	2.48	6.18	-0.99	2.54	2.64	-3.59
2	11	112	1.39	-4.20	-0.69	-2.11	2.70	7.10	-1.73	3.57	1.81	-4.33
2	11	113	1.40	-4.15	-1.07	-1.67	2.76	7.78	-2.67	4.92	0.20	-4.66
2	11	114	1.42	-3.74	-1.24	-1.08	2.58	8.17	-3.66	6.44	-1.93	-4.18
2	11	115	1.52	-2.95	-0.90	-0.54	2.23	8.32	-4.47	7.76	-3.90	-2.63
2	11	116	1.95	-2.14	-4.73e-02	-0.14	2.05	8.35	-4.83	8.35	-4.82	-0.22
2	11	117	2.83	-1.76	0.79	0.27	2.28	8.33	-4.60	7.91	-4.18	2.28
2	11	118	3.67	-1.69	1.12	0.86	2.68	8.20	-3.86	6.66	-2.32	4.02
2	11	119	4.13	-1.68	0.94	1.52	2.89	7.85	-2.87	5.12	-0.14	4.67
2	11	120	4.22	-1.66	0.54	2.02	2.84	7.22	-1.89	3.72	1.60	4.43
2	11	121	4.08	-1.61	0.17	2.30	2.64	6.32	-1.11	2.65	2.56	3.72
2	11	122	1.38	-1.57	1.10e-04	-0.19	1.47	7.09	-1.64	7.08	-1.64	-0.11
2	11	123	1.96	-1.36	0.57	3.19e-02	1.64	6.99	-1.55	6.73	-1.30	1.46
2	11	124	1.06	-1.16	2.42e-02	-0.13	1.11	4.99	-0.35	4.99	-0.35	-5.83e-02
2	11	125	1.47	-1.05	0.44	-1.16e-02	1.24	4.90	-0.32	4.76	-0.17	0.86
2	11	126	0.83	-0.88	3.69e-02	-8.79e-02	0.85	3.06	9.87e-02	3.06	9.89e-02	-2.89e-02
2	11	127	1.12	-0.83	0.35	-4.91e-02	0.95	3.00	0.11	2.92	0.18	0.47
2	11	128	0.64	-0.66	4.11e-02	-6.27e-02	0.65	1.63	0.19	1.63	0.19	-1.39e-02
2	11	129	0.86	-0.66	0.28	-8.42e-02	0.74	1.59	0.19	1.56	0.22	0.22
2	11	130	0.49	-0.50	3.83e-02	-4.70e-02	0.49	0.71	0.15	0.71	0.15	-7.06e-03
2	11	131	0.64	-0.54	0.22	-0.12	0.57	0.69	0.15	0.68	0.16	8.21e-02
2	11	132	0.36	-0.36	3.13e-02	-3.74e-02	0.36	0.21	9.44e-02	0.21	9.46e-02	-4.68e-03
2	11	133	0.46	-0.45	0.16	-0.15	0.42	0.20	9.30e-02	0.20	9.46e-02	1.31e-02
2	11	134	0.24	-0.25	2.30e-02	-3.15e-02	0.24	5.37e-02	-6.61e-03	-6.26e-03	5.34e-02	-4.62e-03
2	11	135	0.30	-0.37	0.12	-0.19	0.30	5.24e-02	-1.12e-02	-7.80e-03	4.90e-02	-1.43e-02
2	11	136	0.14	-0.15	1.52e-02	-2.79e-02	0.14	3.48e-02	-5.58e-02	-5.55e-02	3.45e-02	-5.58e-03
2	11	137	0.17	-0.32	7.35e-02	-0.22	0.20	3.35e-02	-5.99e-02	-5.55e-02	2.91e-02	-1.98e-02
2	11	138	4.72e-02	-6.59e-02	7.04e-03	-2.58e-02	5.41e-02	3.22e-02	-3.11e-02	-3.04e-02	3.15e-02	-6.72e-03
2	11	139	6.87e-02	-0.28	3.56e-02	-0.25	0.10	3.08e-02	-3.44e-02	-3.01e-02	2.65e-02	-1.62e-02
2	11	140	7.52e-02	-9.82e-02	1.48e-03	-2.45e-02	8.57e-02	3.70e-02	-4.60e-03	-1.07e-03	3.35e-02	-1.16e-02
2	11	141	3.98e-02	-0.30	-1.59e-02	-0.24	0.13	3.53e-02	-7.60e-03	3.22e-05	2.76e-02	-1.64e-02
2	11	142	2.58	-1.35	0.83	0.40	1.95	6.66	-1.27	5.71	-0.32	2.57
2	11	143	1.94	-1.08	0.64	0.22	1.50	4.60	-0.23	4.06	0.32	1.53
2	11	144	1.49	-0.90	0.51	8.29e-02	1.18	2.79	0.13	2.51	0.41	0.83
2	11	145	1.14	-0.77	0.40	-2.71e-02	0.93	1.47	0.19	1.34	0.32	0.39
2	11	146	0.86	-0.68	0.30	-0.12	0.74	0.63	0.14	0.59	0.19	0.15
2	11	147	0.62	-0.61	0.22	-0.21	0.58	0.18	8.90e-02	0.17	9.58e-02	2.37e-02
2	11	148	0.42	-0.56	0.15	-0.29	0.44	5.01e-02	-1.94e-02	-9.64e-03	4.03e-02	-2.42e-02
2	11	149	0.26	-0.53	7.96e-02	-0.36	0.33	3.20e-02	-6.34e-02	-5.06e-02	1.92e-02	-3.25e-02
2	11	150	0.11	-0.52	2.00e-02	-0.43	0.23	2.95e-02	-3.70e-02	-2.64e-02	1.89e-02	-2.44e-02

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2	11	151	4.35e-02	-0.53	-6.78e-02	-0.42	0.23	3.35e-02	-1.03e-02	2.55e-03	2.06e-02	-2.00e-02
2	11	152	3.01	-1.38	0.74	0.89	2.20	6.10	-0.88	4.40	0.82	3.00
2	11	153	2.31	-1.16	0.58	0.57	1.74	4.13	-9.98e-02	3.14	0.89	1.79
2	11	154	1.80	-1.01	0.46	0.33	1.40	2.48	0.15	1.95	0.68	0.97
2	11	155	1.39	-0.91	0.35	0.14	1.15	1.29	0.18	1.05	0.43	0.46
2	11	156	1.06	-0.84	0.25	-2.58e-02	0.94	0.55	0.14	0.46	0.22	0.17
2	11	157	0.78	-0.79	0.16	-0.17	0.77	0.14	8.27e-02	0.13	9.31e-02	2.28e-02
2	11	158	0.54	-0.76	7.48e-02	-0.29	0.63	4.68e-02	-3.03e-02	-1.04e-02	2.69e-02	-3.37e-02
2	11	159	0.34	-0.75	-6.05e-04	-0.41	0.50	3.02e-02	-6.64e-02	-4.18e-02	5.67e-03	-4.21e-02
2	11	160	0.16	-0.75	-7.07e-02	-0.52	0.39	2.81e-02	-3.88e-02	-1.98e-02	9.08e-03	-3.02e-02
2	11	161	5.17e-02	-0.76	-0.18	-0.53	0.37	3.17e-02	-1.27e-02	6.12e-03	1.29e-02	-2.19e-02
2	11	162	3.20	-1.42	0.42	1.36	2.26	5.36	-0.51	3.15	1.70	2.85
2	11	163	2.52	-1.24	0.32	0.96	1.86	3.55	1.84e-02	2.25	1.32	1.71
2	11	164	2.00	-1.13	0.23	0.64	1.55	2.10	0.17	1.40	0.87	0.93
2	11	165	1.57	-1.05	0.14	0.38	1.30	1.08	0.17	0.75	0.50	0.43
2	11	166	1.21	-1.00	5.87e-02	0.16	1.10	0.44	0.12	0.33	0.24	0.15
2	11	167	0.91	-0.97	-2.40e-02	-3.47e-02	0.94	0.10	7.43e-02	9.44e-02	8.16e-02	1.21e-02
2	11	168	0.64	-0.95	-0.10	-0.21	0.79	4.23e-02	-4.25e-02	-9.13e-03	8.93e-03	-4.14e-02
2	11	169	0.40	-0.95	-0.18	-0.37	0.67	2.79e-02	-6.88e-02	-3.04e-02	-1.05e-02	-4.73e-02
2	11	170	0.19	-0.96	-0.25	-0.52	0.56	2.63e-02	-3.99e-02	-1.15e-02	-2.09e-03	-3.28e-02
2	11	171	6.01e-02	-0.97	-0.36	-0.55	0.50	2.95e-02	-1.44e-02	1.01e-02	4.88e-03	-2.18e-02
2	11	172	3.19	-1.47	5.73e-02	1.65	2.19	4.53	-0.23	2.18	2.13	2.38
2	11	173	2.58	-1.34	-1.21e-02	1.25	1.86	2.93	9.89e-02	1.53	1.50	1.42
2	11	174	2.08	-1.25	-8.20e-02	0.91	1.59	1.70	0.18	0.95	0.93	0.76
2	11	175	1.66	-1.20	-0.15	0.62	1.38	0.86	0.16	0.51	0.50	0.35
2	11	176	1.30	-1.16	-0.23	0.37	1.19	0.34	0.11	0.23	0.22	0.11
2	11	177	0.98	-1.14	-0.30	0.14	1.04	6.67e-02	5.91e-02	6.59e-02	5.99e-02	-2.30e-03
2	11	178	0.70	-1.14	-0.37	-6.66e-02	0.91	3.75e-02	-5.35e-02	-4.46e-03	-1.16e-02	-4.54e-02
2	11	179	0.45	-1.14	-0.44	-0.26	0.79	2.53e-02	-7.01e-02	-1.81e-02	-2.68e-02	-4.75e-02
2	11	180	0.22	-1.16	-0.50	-0.44	0.69	2.43e-02	-4.05e-02	-3.03e-03	-1.32e-02	-3.20e-02
2	11	181	5.89e-02	-1.16	-0.60	-0.50	0.61	2.74e-02	-1.54e-02	1.43e-02	-2.34e-03	-1.97e-02
2	11	182	3.84	-1.67	-0.31	2.48	2.37	5.38	-0.52	1.77	3.09	2.88
2	11	183	3.08	-1.51	-0.36	1.92	1.99	3.57	1.34e-02	1.36	2.22	1.73
2	11	184	2.47	-1.41	-0.42	1.48	1.70	2.11	0.17	0.90	1.39	0.94
2	11	185	1.97	-1.35	-0.48	1.10	1.46	1.08	0.17	0.51	0.75	0.44
2	11	186	1.54	-1.31	-0.54	0.77	1.27	0.44	0.12	0.24	0.32	0.16
2	11	187	1.16	-1.30	-0.61	0.47	1.10	9.95e-02	7.10e-02	8.43e-02	8.62e-02	1.42e-02
2	11	188	0.83	-1.30	-0.67	0.21	0.97	3.86e-02	-4.74e-02	1.13e-02	-2.01e-02	-4.00e-02
2	11	189	0.53	-1.30	-0.74	-3.88e-02	0.85	2.38e-02	-7.48e-02	-7.29e-03	-4.38e-02	-4.58e-02
2	11	190	0.25	-1.33	-0.80	-0.27	0.74	2.23e-02	-4.49e-02	2.95e-03	-2.56e-02	-3.04e-02
2	11	191	6.41e-02	-1.33	-0.89	-0.38	0.65	2.53e-02	-1.77e-02	1.67e-02	-9.11e-03	-1.71e-02
2	11	192	4.53	-1.83	-0.84	3.53	2.31	6.14	-0.90	0.89	4.34	3.07
2	11	193	3.60	-1.65	-0.82	2.77	1.91	4.17	-0.11	0.93	3.13	1.83
2	11	194	2.87	-1.53	-0.84	2.17	1.61	2.50	0.15	0.70	1.95	1.00
2	11	195	2.27	-1.46	-0.86	1.67	1.37	1.31	0.18	0.44	1.05	0.47
2	11	196	1.77	-1.42	-0.90	1.25	1.18	0.55	0.13	0.23	0.46	0.18
2	11	197	1.33	-1.41	-0.95	0.87	1.03	0.14	7.93e-02	9.44e-02	0.12	2.62e-02
2	11	198	0.95	-1.41	-1.00	0.54	0.90	4.17e-02	-3.92e-02	2.63e-02	-2.38e-02	-3.18e-02
2	11	199	0.60	-1.42	-1.05	0.23	0.79	2.41e-02	-7.83e-02	4.71e-03	-5.89e-02	-4.01e-02
2	11	200	0.29	-1.45	-1.10	-5.08e-02	0.69	2.16e-02	-4.88e-02	9.60e-03	-3.68e-02	-2.65e-02
2	11	201	7.53e-02	-1.45	-1.16	-0.21	0.60	2.44e-02	-1.96e-02	1.94e-02	-1.46e-02	-1.40e-02
2	11	202	5.14	-1.98	-1.43	4.60	1.89	6.71	-1.30	-0.27	5.68	2.68
2	11	203	4.04	-1.76	-1.32	3.60	1.54	4.66	-0.24	0.35	4.07	1.59
2	11	204	3.20	-1.63	-1.27	2.84	1.28	2.84	0.12	0.43	2.53	0.86
2	11	205	2.52	-1.55	-1.24	2.21	1.08	1.50	0.18	0.33	1.36	0.41
2	11	206	1.96	-1.51	-1.24	1.69	0.92	0.65	0.14	0.20	0.59	0.16
2	11	207	1.47	-1.49	-1.26	1.24	0.80	0.18	8.57e-02	9.57e-02	0.17	2.83e-02
2	11	208	1.05	-1.49	-1.29	0.84	0.69	4.41e-02	-3.17e-02	3.73e-02	-2.50e-02	-2.15e-02
2	11	209	0.66	-1.51	-1.32	0.48	0.61	2.41e-02	-8.07e-02	1.49e-02	-7.15e-02	-2.97e-02
2	11	210	0.32	-1.53	-1.37	0.15	0.53	2.10e-02	-5.19e-02	1.52e-02	-4.61e-02	-1.97e-02
2	11	211	8.44e-02	-1.54	-1.40	-5.67e-02	0.46	2.35e-02	-2.10e-02	2.12e-02	-1.87e-02	-9.84e-03
2	11	212	5.58	-2.07	-1.92	5.42	1.08	7.06	-1.61	-1.31	6.75	1.59
2	11	213	4.35	-1.84	-1.71	4.23	0.86	4.98	-0.34	-0.17	4.81	0.94
2	11	214	3.42	-1.69	-1.59	3.32	0.71	3.06	9.85e-02	0.19	2.97	0.51
2	11	215	2.69	-1.61	-1.52	2.61	0.60	1.63	0.19	0.23	1.59	0.24

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2	11	216	2.08	-1.56	-1.49	2.01	0.51	0.71	0.15	0.16	0.69	9.22e-02
2	11	217	1.56	-1.54	-1.48	1.50	0.44	0.20	8.98e-02	9.29e-02	0.20	1.83e-02
2	11	218	1.11	-1.54	-1.49	1.05	0.38	4.56e-02	-2.64e-02	4.40e-02	-2.47e-02	-1.07e-02
2	11	219	0.70	-1.56	-1.51	0.65	0.33	2.41e-02	-8.22e-02	2.17e-02	-7.98e-02	-1.58e-02
2	11	220	0.34	-1.59	-1.54	0.29	0.29	2.06e-02	-5.38e-02	1.91e-02	-5.23e-02	-1.05e-02
2	11	221	9.02e-02	-1.59	-1.55	5.28e-02	0.25	2.28e-02	-2.18e-02	2.23e-02	-2.12e-02	-5.07e-03
2	11	222	5.73	-2.10	-2.10	5.73	-7.23e-05	7.17	-1.73	-1.73	7.17	-5.54e-06
2	11	223	4.46	-1.86	-1.86	4.46	-4.60e-06	5.09	-0.39	-0.39	5.09	2.24e-06
2	11	224	3.50	-1.72	-1.72	3.50	8.14e-06	3.14	8.87e-02	8.87e-02	3.14	
2	11	225	2.75	-1.63	-1.63	2.75	8.14e-06	1.68	0.19	0.19	1.68	
2	11	226	2.12	-1.58	-1.58	2.12	4.49e-06	0.73	0.15	0.15	0.73	
2	11	227	1.59	-1.56	-1.56	1.59	1.75e-06	0.21	9.12e-02	9.12e-02	0.21	
2	11	228	1.13	-1.56	-1.56	1.13		4.62e-02	-2.44e-02	4.62e-02	-2.44e-02	
2	11	229	0.72	-1.58	-1.58	0.72		2.42e-02	-8.26e-02	2.42e-02	-8.26e-02	
2	11	230	0.34	-1.60	-1.60	0.34		2.04e-02	-5.45e-02	2.04e-02	-5.45e-02	
2	11	231	9.22e-02	-1.61	-1.61	9.22e-02	-1.19e-06	2.26e-02	-2.21e-02	2.26e-02	-2.21e-02	
2	11	232	5.58	-2.07	-1.92	5.42	-1.08	7.06	-1.61	-1.31	6.75	-1.59
2	11	233	4.35	-1.84	-1.71	4.22	-0.86	4.98	-0.34	-0.17	4.81	-0.94
2	11	234	3.42	-1.69	-1.59	3.32	-0.71	3.06	9.85e-02	0.19	2.97	-0.51
2	11	235	2.69	-1.61	-1.52	2.61	-0.60	1.63	0.19	0.23	1.59	-0.24
2	11	236	2.08	-1.56	-1.49	2.01	-0.51	0.71	0.15	0.16	0.69	-9.22e-02
2	11	237	1.56	-1.54	-1.48	1.50	-0.44	0.20	8.98e-02	9.29e-02	0.20	-1.83e-02
2	11	238	1.11	-1.54	-1.49	1.05	-0.38	4.56e-02	-2.64e-02	4.40e-02	-2.47e-02	1.07e-02
2	11	239	0.70	-1.56	-1.51	0.65	-0.33	2.41e-02	-8.22e-02	2.17e-02	-7.98e-02	1.58e-02
2	11	240	0.34	-1.59	-1.54	0.29	-0.29	2.06e-02	-5.38e-02	1.91e-02	-5.23e-02	1.05e-02
2	11	241	9.02e-02	-1.59	-1.55	5.28e-02	-0.25	2.28e-02	-2.18e-02	2.23e-02	-2.12e-02	5.07e-03
2	11	242	5.14	-1.98	-1.43	4.60	-1.89	6.71	-1.30	-0.27	5.68	-2.68
2	11	243	4.04	-1.76	-1.32	3.60	-1.54	4.66	-0.24	0.35	4.07	-1.59
2	11	244	3.20	-1.63	-1.27	2.84	-1.28	2.84	0.12	0.43	2.53	-0.86
2	11	245	2.52	-1.55	-1.24	2.21	-1.08	1.50	0.18	0.33	1.36	-0.41
2	11	246	1.96	-1.51	-1.24	1.69	-0.92	0.65	0.14	0.20	0.59	-0.16
2	11	247	1.47	-1.49	-1.26	1.24	-0.80	0.18	8.57e-02	9.57e-02	0.17	-2.83e-02
2	11	248	1.05	-1.49	-1.29	0.84	-0.69	4.41e-02	-3.17e-02	3.73e-02	-2.50e-02	2.15e-02
2	11	249	0.66	-1.51	-1.32	0.48	-0.61	2.41e-02	-8.07e-02	1.49e-02	-7.15e-02	2.97e-02
2	11	250	0.32	-1.53	-1.37	0.15	-0.53	2.10e-02	-5.19e-02	1.52e-02	-4.61e-02	1.97e-02
2	11	251	8.44e-02	-1.54	-1.40	-5.67e-02	-0.46	2.35e-02	-2.10e-02	2.12e-02	-1.87e-02	9.84e-03
2	11	252	4.52	-1.84	-0.84	3.53	-2.31	6.14	-0.90	0.89	4.34	-3.07
2	11	253	3.60	-1.65	-0.82	2.77	-1.91	4.17	-0.11	0.93	3.13	-1.83
2	11	254	2.87	-1.53	-0.84	2.17	-1.61	2.50	0.15	0.70	1.95	-1.00
2	11	255	2.27	-1.46	-0.86	1.67	-1.37	1.31	0.18	0.44	1.05	-0.47
2	11	256	1.77	-1.42	-0.90	1.25	-1.18	0.55	0.13	0.23	0.46	-0.18
2	11	257	1.33	-1.41	-0.95	0.87	-1.03	0.14	7.93e-02	9.44e-02	0.12	-2.62e-02
2	11	258	0.95	-1.41	-1.00	0.54	-0.90	4.17e-02	-3.92e-02	2.63e-02	-2.38e-02	3.18e-02
2	11	259	0.60	-1.42	-1.05	0.23	-0.79	2.41e-02	-7.83e-02	4.71e-03	-5.89e-02	4.01e-02
2	11	260	0.29	-1.45	-1.10	-5.08e-02	-0.69	2.16e-02	-4.88e-02	9.60e-03	-3.68e-02	2.65e-02
2	11	261	7.53e-02	-1.45	-1.16	-0.21	-0.60	2.44e-02	-1.96e-02	1.94e-02	-1.46e-02	1.40e-02
2	11	262	3.84	-1.67	-0.31	2.48	-2.37	5.38	-0.52	1.77	3.09	-2.88
2	11	263	3.07	-1.51	-0.36	1.92	-1.99	3.57	1.33e-02	1.36	2.22	-1.73
2	11	264	2.47	-1.41	-0.42	1.48	-1.70	2.11	0.17	0.90	1.39	-0.94
2	11	265	1.97	-1.35	-0.48	1.10	-1.46	1.08	0.17	0.51	0.75	-0.44
2	11	266	1.54	-1.31	-0.54	0.77	-1.27	0.44	0.12	0.24	0.32	-0.16
2	11	267	1.16	-1.30	-0.61	0.47	-1.10	9.95e-02	7.10e-02	8.43e-02	8.62e-02	-1.42e-02
2	11	268	0.83	-1.30	-0.67	0.21	-0.97	3.86e-02	-4.74e-02	1.13e-02	-2.01e-02	4.00e-02
2	11	269	0.53	-1.30	-0.74	-3.88e-02	-0.85	2.38e-02	-7.48e-02	-7.29e-03	-4.38e-02	4.58e-02
2	11	270	0.25	-1.33	-0.80	-0.27	-0.74	2.23e-02	-4.49e-02	2.95e-03	-2.56e-02	3.04e-02
2	11	271	6.41e-02	-1.33	-0.89	-0.38	-0.65	2.53e-02	-1.77e-02	1.67e-02	-9.11e-03	1.71e-02
2	11	272	3.19	-1.47	5.61e-02	1.66	-2.19	4.53	-0.23	2.18	2.13	-2.38
2	11	273	2.58	-1.34	-1.18e-02	1.25	-1.86	2.93	9.88e-02	1.53	1.50	-1.42
2	11	274	2.08	-1.25	-8.21e-02	0.91	-1.59	1.70	0.18	0.95	0.93	-0.76
2	11	275	1.66	-1.20	-0.15	0.62	-1.38	0.86	0.16	0.51	0.50	-0.35
2	11	276	1.30	-1.16	-0.23	0.37	-1.19	0.34	0.11	0.23	0.22	-0.11
2	11	277	0.98	-1.14	-0.30	0.14	-1.04	6.67e-02	5.91e-02	6.59e-02	5.99e-02	2.29e-03
2	11	278	0.70	-1.14	-0.37	-6.66e-02	-0.91	3.75e-02	-5.35e-02	-4.46e-03	-1.16e-02	4.54e-02
2	11	279	0.45	-1.14	-0.44	-0.26	-0.79	2.53e-02	-7.01e-02	-1.81e-02	-2.68e-02	4.75e-02
2	11	280	0.22	-1.16	-0.50	-0.44	-0.69	2.43e-02	-4.05e-02	-3.03e-03	-1.32e-02	3.20e-02

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2	11	281	5.89e-02	-1.16	-0.60	-0.50	-0.61	2.74e-02	-1.54e-02	1.43e-02	-2.34e-03	1.97e-02
2	11	282	3.21	-1.42	0.42	1.36	-2.26	5.36	-0.51	3.16	1.70	-2.85
2	11	283	2.52	-1.24	0.33	0.96	-1.86	3.56	1.86e-02	2.25	1.32	-1.71
2	11	284	2.00	-1.12	0.24	0.64	-1.55	2.10	0.17	1.40	0.87	-0.93
2	11	285	1.57	-1.05	0.15	0.38	-1.30	1.08	0.17	0.75	0.50	-0.43
2	11	286	1.21	-1.00	5.89e-02	0.16	-1.10	0.44	0.12	0.33	0.24	-0.15
2	11	287	0.91	-0.97	-2.39e-02	-3.46e-02	-0.94	0.10	7.43e-02	9.44e-02	8.16e-02	-1.21e-02
2	11	288	0.64	-0.95	-0.10	-0.21	-0.79	4.23e-02	-4.25e-02	-9.13e-03	8.93e-03	4.14e-02
2	11	289	0.40	-0.95	-0.18	-0.37	-0.67	2.79e-02	-6.88e-02	-3.04e-02	-1.05e-02	4.73e-02
2	11	290	0.19	-0.96	-0.25	-0.52	-0.56	2.63e-02	-3.99e-02	-1.15e-02	-2.09e-03	3.28e-02
2	11	291	6.01e-02	-0.97	-0.36	-0.55	-0.50	2.95e-02	-1.44e-02	1.01e-02	4.88e-03	2.18e-02
2	11	292	3.01	-1.38	0.74	0.89	-2.20	6.10	-0.88	4.40	0.82	-3.00
2	11	293	2.32	-1.16	0.59	0.57	-1.74	4.13	-9.97e-02	3.14	0.89	-1.79
2	11	294	1.80	-1.01	0.46	0.33	-1.40	2.48	0.15	1.95	0.68	-0.97
2	11	295	1.39	-0.91	0.35	0.14	-1.15	1.29	0.18	1.05	0.43	-0.46
2	11	296	1.06	-0.84	0.25	-2.57e-02	-0.94	0.55	0.14	0.46	0.22	-0.17
2	11	297	0.78	-0.79	0.16	-0.17	-0.77	0.14	8.27e-02	0.13	9.31e-02	-2.28e-02
2	11	298	0.54	-0.76	7.48e-02	-0.29	-0.63	4.68e-02	-3.03e-02	-1.04e-02	2.69e-02	3.37e-02
2	11	299	0.34	-0.75	-5.96e-04	-0.41	-0.50	3.02e-02	-6.64e-02	-4.18e-02	5.67e-03	4.21e-02
2	11	300	0.16	-0.75	-7.07e-02	-0.52	-0.39	2.81e-02	-3.88e-02	-1.98e-02	9.08e-03	3.02e-02
2	11	301	5.17e-02	-0.76	-0.18	-0.53	-0.37	3.17e-02	-1.27e-02	6.12e-03	1.29e-02	2.19e-02
2	11	302	2.58	-1.35	0.83	0.40	-1.95	6.66	-1.27	5.71	-0.32	-2.57
2	11	303	1.94	-1.08	0.65	0.22	-1.50	4.60	-0.23	4.06	0.32	-1.53
2	11	304	1.49	-0.90	0.51	8.30e-02	-1.18	2.79	0.13	2.51	0.41	-0.83
2	11	305	1.14	-0.77	0.40	-2.70e-02	-0.93	1.47	0.19	1.34	0.32	-0.39
2	11	306	0.86	-0.68	0.30	-0.12	-0.74	0.63	0.14	0.59	0.19	-0.15
2	11	307	0.62	-0.61	0.22	-0.21	-0.58	0.18	8.90e-02	0.17	9.58e-02	-2.37e-02
2	11	308	0.42	-0.56	0.15	-0.29	-0.44	5.01e-02	-1.94e-02	-9.64e-03	4.03e-02	2.42e-02
2	11	309	0.26	-0.53	7.96e-02	-0.36	-0.33	3.20e-02	-6.34e-02	-5.06e-02	1.92e-02	3.25e-02
2	11	310	0.11	-0.52	2.00e-02	-0.43	-0.23	2.95e-02	-3.70e-02	-2.64e-02	1.89e-02	2.44e-02
2	11	311	4.35e-02	-0.53	-6.78e-02	-0.42	-0.23	3.35e-02	-1.03e-02	2.56e-03	2.06e-02	2.00e-02
2	11	312	1.96	-1.36	0.57	3.17e-02	-1.64	6.99	-1.55	6.73	-1.30	-1.46
2	11	313	1.47	-1.04	0.44	-1.15e-02	-1.24	4.90	-0.32	4.76	-0.17	-0.86
2	11	314	1.12	-0.83	0.35	-4.91e-02	-0.95	3.00	0.11	2.92	0.18	-0.47
2	11	315	0.86	-0.66	0.28	-8.42e-02	-0.74	1.59	0.19	1.56	0.22	-0.22
2	11	316	0.64	-0.54	0.22	-0.12	-0.57	0.69	0.15	0.68	0.16	-8.21e-02
2	11	317	0.46	-0.45	0.16	-0.15	-0.42	0.20	9.30e-02	0.20	9.46e-02	-1.31e-02
2	11	318	0.30	-0.37	0.12	-0.19	-0.30	5.24e-02	-1.12e-02	-7.80e-03	4.90e-02	1.43e-02
2	11	319	0.17	-0.32	7.35e-02	-0.22	-0.20	3.35e-02	-5.99e-02	-5.55e-02	2.91e-02	1.98e-02
2	11	320	6.87e-02	-0.28	3.56e-02	-0.25	-0.10	3.08e-02	-3.44e-02	-3.01e-02	2.65e-02	1.62e-02
2	11	321	3.98e-02	-0.30	-1.59e-02	-0.24	-0.13	3.53e-02	-7.60e-03	3.22e-05	2.76e-02	1.64e-02
2	11	322	1.38	-1.57	1.78e-04	-0.19	-1.47	7.09	-1.64	7.08	-1.64	0.11
2	11	323	1.06	-1.16	2.42e-02	-0.13	-1.11	4.99	-0.35	4.99	-0.35	5.83e-02
2	11	324	0.83	-0.88	3.69e-02	-8.79e-02	-0.85	3.06	9.87e-02	3.06	9.89e-02	2.89e-02
2	11	325	0.64	-0.66	4.11e-02	-6.27e-02	-0.65	1.63	0.19	1.63	0.19	1.39e-02
2	11	326	0.49	-0.50	3.83e-02	-4.70e-02	-0.49	0.71	0.15	0.71	0.15	7.07e-03
2	11	327	0.36	-0.36	3.13e-02	-3.74e-02	-0.36	0.21	9.44e-02	0.21	9.46e-02	4.68e-03
2	11	328	0.24	-0.25	2.30e-02	-3.15e-02	-0.24	5.37e-02	-6.61e-03	-6.26e-03	5.34e-02	4.62e-03
2	11	329	0.14	-0.15	1.52e-02	-2.79e-02	-0.14	3.48e-02	-5.58e-02	-5.55e-02	3.45e-02	5.58e-03
2	11	330	4.72e-02	-6.59e-02	7.04e-03	-2.58e-02	-5.41e-02	3.22e-02	-3.11e-02	-3.04e-02	3.15e-02	6.72e-03
2	11	331	7.52e-02	-9.82e-02	1.45e-03	-2.45e-02	-8.57e-02	3.70e-02	-4.60e-03	-1.07e-03	3.35e-02	1.16e-02
2	11	332	1.10	-2.08	-0.58	-0.40	-1.59	6.95	-1.51	6.62	-1.17	1.64
2	11	333	0.88	-1.51	-0.39	-0.23	-1.19	4.86	-0.30	4.68	-0.12	0.96
2	11	334	0.72	-1.11	-0.28	-0.12	-0.91	2.97	0.11	2.88	0.21	0.51
2	11	335	0.59	-0.83	-0.20	-3.41e-02	-0.70	1.57	0.19	1.53	0.23	0.24
2	11	336	0.49	-0.60	-0.14	2.98e-02	-0.54	0.68	0.15	0.67	0.17	9.35e-02
2	11	337	0.40	-0.42	-0.10	8.16e-02	-0.40	0.20	9.33e-02	0.20	9.78e-02	2.16e-02
2	11	338	0.33	-0.28	-7.21e-02	0.13	-0.29	5.39e-02	-5.86e-03	-5.43e-03	5.35e-02	-5.05e-03
2	11	339	0.27	-0.15	-4.54e-02	0.16	-0.18	3.60e-02	-5.15e-02	-5.07e-02	3.52e-02	-8.36e-03
2	11	340	0.23	-5.67e-02	-2.33e-02	0.20	-9.27e-02	3.37e-02	-2.70e-02	-2.69e-02	3.36e-02	-2.81e-03
2	11	341	0.25	-4.10e-02	1.75e-02	0.20	-0.12	3.87e-02	-1.48e-03	-5.87e-04	3.78e-02	5.94e-03
2	11	342	1.07	-2.64	-0.86	-0.72	-1.85	6.58	-1.19	5.54	-0.15	2.65
2	11	343	0.89	-1.94	-0.62	-0.42	-1.41	4.53	-0.20	3.94	0.39	1.56
2	11	344	0.77	-1.44	-0.45	-0.22	-1.10	2.74	0.14	2.43	0.44	0.84
2	11	345	0.68	-1.08	-0.33	-7.15e-02	-0.87	1.44	0.19	1.30	0.33	0.40

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2	11	346	0.60	-0.80	-0.24	4.74e-02	-0.69	0.62	0.14	0.57	0.20	0.15
2	11	347	0.55	-0.57	-0.17	0.15	-0.54	0.18	8.98e-02	0.17	0.10	3.01e-02
2	11	348	0.51	-0.39	-0.11	0.23	-0.41	5.33e-02	-8.30e-03	-4.52e-03	4.95e-02	-1.48e-02
2	11	349	0.48	-0.23	-5.83e-02	0.31	-0.30	3.71e-02	-4.68e-02	-4.15e-02	3.18e-02	-2.04e-02
2	11	350	0.47	-0.10	-1.25e-02	0.38	-0.21	3.53e-02	-2.25e-02	-2.02e-02	3.30e-02	-1.13e-02
2	11	351	0.48	-4.19e-02	6.56e-02	0.38	-0.21	4.01e-02	1.60e-03	1.60e-03	4.01e-02	-4.51e-05
2	11	352	1.12	-3.04	-0.79	-1.13	-2.07	6.00	-0.80	4.23	0.96	2.98
2	11	353	0.98	-2.28	-0.58	-0.72	-1.63	4.03	-7.02e-02	3.02	0.94	1.77
2	11	354	0.88	-1.74	-0.43	-0.43	-1.31	2.41	0.16	1.87	0.70	0.96
2	11	355	0.81	-1.32	-0.31	-0.21	-1.06	1.25	0.18	1.00	0.43	0.45
2	11	356	0.76	-1.00	-0.21	-2.79e-02	-0.87	0.53	0.14	0.44	0.23	0.17
2	11	357	0.72	-0.73	-0.13	0.12	-0.72	0.15	8.45e-02	0.13	0.10	2.74e-02
2	11	358	0.70	-0.50	-5.42e-02	0.25	-0.58	5.20e-02	-1.27e-02	-2.11e-03	4.14e-02	-2.39e-02
2	11	359	0.70	-0.31	1.18e-02	0.37	-0.47	3.82e-02	-4.16e-02	-2.88e-02	2.54e-02	-2.93e-02
2	11	360	0.70	-0.14	7.06e-02	0.48	-0.37	3.68e-02	-1.76e-02	-1.10e-02	3.02e-02	-1.78e-02
2	11	361	0.71	-4.97e-02	0.17	0.49	-0.34	4.13e-02	4.53e-03	5.47e-03	4.03e-02	-5.82e-03
2	11	362	1.18	-3.20	-0.51	-1.52	-2.13	5.23	-0.45	3.02	1.77	2.77
2	11	363	1.07	-2.48	-0.36	-1.05	-1.74	3.44	4.18e-02	2.14	1.34	1.65
2	11	364	0.99	-1.93	-0.24	-0.70	-1.44	2.02	0.18	1.33	0.87	0.89
2	11	365	0.95	-1.50	-0.13	-0.42	-1.21	1.03	0.17	0.71	0.49	0.42
2	11	366	0.92	-1.15	-4.39e-02	-0.19	-1.03	0.43	0.12	0.31	0.24	0.15
2	11	367	0.90	-0.85	3.54e-02	8.09e-03	-0.88	0.11	7.77e-02	9.49e-02	9.25e-02	1.60e-02
2	11	368	0.89	-0.60	0.11	0.18	-0.74	5.00e-02	-1.77e-02	2.66e-03	2.97e-02	-3.10e-02
2	11	369	0.89	-0.38	0.18	0.34	-0.63	3.89e-02	-3.63e-02	-1.44e-02	1.69e-02	-3.42e-02
2	11	370	0.91	-0.18	0.24	0.49	-0.53	3.80e-02	-1.27e-02	-3.79e-04	2.56e-02	-2.18e-02
2	11	371	0.92	-5.79e-02	0.34	0.52	-0.48	4.16e-02	7.15e-03	1.08e-02	3.79e-02	-1.07e-02
2	11	372	1.26	-3.18	-0.15	-1.76	-2.07	4.39	-0.18	2.08	2.13	2.28
2	11	373	1.18	-2.52	-3.94e-02	-1.30	-1.74	2.82	0.12	1.45	1.48	1.35
2	11	374	1.13	-2.00	6.08e-02	-0.93	-1.49	1.63	0.18	0.90	0.91	0.72
2	11	375	1.10	-1.58	0.15	-0.63	-1.28	0.82	0.16	0.48	0.49	0.33
2	11	376	1.08	-1.23	0.22	-0.37	-1.12	0.33	0.11	0.22	0.22	0.11
2	11	377	1.08	-0.93	0.29	-0.15	-0.98	7.78e-02	7.15e-02	7.16e-02	7.76e-02	1.00e-03
2	11	378	1.08	-0.66	0.36	5.61e-02	-0.86	5.04e-02	-2.13e-02	1.10e-02	1.81e-02	-3.57e-02
2	11	379	1.09	-0.42	0.42	0.24	-0.75	4.13e-02	-3.08e-02	9.31e-04	9.64e-03	-3.58e-02
2	11	380	1.11	-0.20	0.48	0.42	-0.66	4.02e-02	-8.17e-03	1.10e-02	2.11e-02	-2.37e-02
2	11	381	1.11	-5.65e-02	0.58	0.48	-0.58	4.20e-02	9.08e-03	1.72e-02	3.38e-02	-1.42e-02
2	11	382	1.41	-3.83	0.15	-2.57	-2.24	5.22	-0.44	1.70	3.08	2.74
2	11	383	1.33	-3.02	0.27	-1.96	-1.87	3.43	4.72e-02	1.30	2.18	1.63
2	11	384	1.28	-2.40	0.36	-1.48	-1.59	2.01	0.18	0.85	1.34	0.88
2	11	385	1.25	-1.89	0.44	-1.09	-1.37	1.03	0.17	0.48	0.72	0.41
2	11	386	1.23	-1.47	0.51	-0.75	-1.19	0.43	0.13	0.23	0.32	0.14
2	11	387	1.23	-1.11	0.58	-0.46	-1.04	0.11	8.10e-02	8.98e-02	0.10	1.39e-02
2	11	388	1.23	-0.79	0.65	-0.20	-0.92	5.36e-02	-1.27e-02	2.74e-02	1.36e-02	-3.24e-02
2	11	389	1.25	-0.50	0.71	3.79e-02	-0.81	4.28e-02	-3.01e-02	1.38e-02	-1.05e-03	-3.57e-02
2	11	390	1.27	-0.24	0.77	0.26	-0.71	4.16e-02	-7.26e-03	2.06e-02	1.37e-02	-2.42e-02
2	11	391	1.28	-6.18e-02	0.86	0.36	-0.62	4.35e-02	1.26e-02	2.60e-02	3.01e-02	-1.53e-02
2	11	392	1.53	-4.51	0.60	-3.58	-2.19	5.96	-0.79	0.88	4.29	2.91
2	11	393	1.44	-3.54	0.67	-2.77	-1.80	4.00	-6.19e-02	0.90	3.04	1.73
2	11	394	1.38	-2.79	0.74	-2.15	-1.51	2.38	0.16	0.67	1.87	0.93
2	11	395	1.35	-2.19	0.79	-1.64	-1.29	1.23	0.18	0.42	1.00	0.44
2	11	396	1.34	-1.70	0.85	-1.21	-1.12	0.52	0.14	0.22	0.44	0.16
2	11	397	1.34	-1.28	0.90	-0.84	-0.97	0.15	8.82e-02	9.99e-02	0.14	2.39e-02
2	11	398	1.35	-0.91	0.96	-0.52	-0.85	5.67e-02	-3.42e-03	4.21e-02	1.12e-02	-2.58e-02
2	11	399	1.37	-0.58	1.01	-0.22	-0.75	4.39e-02	-2.93e-02	2.63e-02	-1.17e-02	-3.13e-02
2	11	400	1.39	-0.28	1.07	5.07e-02	-0.66	4.23e-02	-6.70e-03	2.97e-02	5.99e-03	-2.15e-02
2	11	401	1.40	-7.29e-02	1.12	0.20	-0.58	4.43e-02	1.57e-02	3.38e-02	2.62e-02	-1.37e-02
2	11	402	1.63	-5.14	1.12	-4.62	-1.79	6.53	-1.15	-0.20	5.57	2.54
2	11	403	1.53	-3.99	1.12	-3.58	-1.45	4.47	-0.18	0.36	3.93	1.49
2	11	404	1.47	-3.12	1.13	-2.78	-1.20	2.69	0.14	0.42	2.41	0.80
2	11	405	1.43	-2.44	1.14	-2.15	-1.02	1.41	0.19	0.32	1.28	0.38
2	11	406	1.42	-1.88	1.17	-1.63	-0.87	0.61	0.15	0.19	0.56	0.14
2	11	407	1.42	-1.41	1.20	-1.19	-0.76	0.18	9.35e-02	0.10	0.17	2.55e-02
2	11	408	1.43	-1.00	1.23	-0.80	-0.66	5.88e-02	4.52e-03	5.25e-02	1.08e-02	-1.74e-02
2	11	409	1.45	-0.63	1.27	-0.46	-0.58	4.45e-02	-2.89e-02	3.62e-02	-2.06e-02	-2.32e-02
2	11	410	1.48	-0.30	1.32	-0.14	-0.51	4.26e-02	-6.40e-03	3.66e-02	-4.73e-04	-1.60e-02

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2	11	411	1.49	-8.17e-02	1.35	5.45e-02	-0.44	4.44e-02	1.80e-02	3.96e-02	2.28e-02	-1.02e-02
2	11	412	1.70	-5.58	1.55	-5.43	-1.02	6.88	-1.44	-1.16	6.60	1.50
2	11	413	1.59	-4.30	1.47	-4.18	-0.82	4.78	-0.28	-0.12	4.63	0.88
2	11	414	1.52	-3.35	1.43	-3.26	-0.67	2.91	0.12	0.20	2.82	0.47
2	11	415	1.48	-2.61	1.41	-2.53	-0.56	1.53	0.19	0.23	1.49	0.22
2	11	416	1.47	-2.01	1.40	-1.94	-0.48	0.67	0.15	0.16	0.65	8.33e-02
2	11	417	1.47	-1.50	1.41	-1.44	-0.42	0.20	9.69e-02	9.95e-02	0.20	1.64e-02
2	11	418	1.48	-1.06	1.43	-1.01	-0.36	6.01e-02	9.96e-03	5.86e-02	1.15e-02	-8.62e-03
2	11	419	1.50	-0.67	1.46	-0.62	-0.32	4.47e-02	-2.85e-02	4.26e-02	-2.64e-02	-1.23e-02
2	11	420	1.54	-0.32	1.49	-0.28	-0.28	4.26e-02	-6.25e-03	4.11e-02	-4.72e-03	-8.51e-03
2	11	421	1.54	-8.73e-02	1.51	-5.12e-02	-0.24	4.44e-02	1.94e-02	4.31e-02	2.07e-02	-5.40e-03
2	11	422	1.72	-5.73	1.72	-5.73	-5.68e-05	7.00	-1.55	-1.55	7.00	-4.62e-06
2	11	423	1.61	-4.41	1.61	-4.41	-1.12e-05	4.89	-0.32	-0.32	4.89	1.67e-06
2	11	424	1.54	-3.43	1.54	-3.43		2.98	0.11	0.11	2.98	
2	11	425	1.50	-2.67	1.50	-2.67	3.78e-06	1.57	0.19	0.19	1.57	
2	11	426	1.49	-2.05	1.49	-2.05	3.52e-06	0.69	0.15	0.15	0.69	
2	11	427	1.49	-1.53	1.49	-1.53	2.51e-06	0.21	9.80e-02	9.80e-02	0.21	
2	11	428	1.50	-1.08	1.50	-1.08	1.52e-06	6.05e-02	1.19e-02	6.05e-02	1.19e-02	
2	11	429	1.52	-0.69	1.52	-0.69		4.48e-02	-2.84e-02	4.48e-02	-2.84e-02	
2	11	430	1.55	-0.33	1.55	-0.33		4.26e-02	-6.23e-03	4.26e-02	-6.23e-03	
2	11	431	1.56	-8.92e-02	1.56	-8.92e-02	1.11e-06	4.43e-02	1.99e-02	4.43e-02	1.99e-02	
2	11	432	1.70	-5.58	1.55	-5.43	1.02	6.88	-1.44	-1.16	6.60	-1.50
2	11	433	1.59	-4.30	1.47	-4.18	0.82	4.78	-0.28	-0.12	4.63	-0.88
2	11	434	1.52	-3.35	1.43	-3.26	0.67	2.91	0.12	0.20	2.82	-0.47
2	11	435	1.48	-2.61	1.41	-2.53	0.56	1.53	0.19	0.23	1.49	-0.22
2	11	436	1.47	-2.01	1.40	-1.94	0.48	0.67	0.15	0.16	0.65	-8.33e-02
2	11	437	1.47	-1.50	1.41	-1.44	0.42	0.20	9.69e-02	9.95e-02	0.20	-1.64e-02
2	11	438	1.48	-1.06	1.43	-1.01	0.36	6.01e-02	9.96e-03	5.86e-02	1.15e-02	8.62e-03
2	11	439	1.50	-0.67	1.46	-0.62	0.32	4.47e-02	-2.85e-02	4.26e-02	-2.64e-02	1.23e-02
2	11	440	1.54	-0.32	1.49	-0.28	0.28	4.26e-02	-6.25e-03	4.11e-02	-4.72e-03	8.51e-03
2	11	441	1.54	-8.73e-02	1.51	-5.12e-02	0.24	4.44e-02	1.94e-02	4.31e-02	2.07e-02	5.40e-03
2	11	442	1.63	-5.14	1.12	-4.62	1.79	6.53	-1.16	-0.20	5.57	-2.54
2	11	443	1.53	-3.99	1.12	-3.58	1.45	4.47	-0.18	0.36	3.93	-1.49
2	11	444	1.47	-3.12	1.13	-2.78	1.20	2.69	0.14	0.42	2.41	-0.80
2	11	445	1.43	-2.44	1.14	-2.15	1.02	1.41	0.19	0.32	1.28	-0.38
2	11	446	1.42	-1.88	1.17	-1.63	0.87	0.61	0.15	0.19	0.56	-0.14
2	11	447	1.42	-1.41	1.20	-1.19	0.76	0.18	9.35e-02	0.10	0.17	-2.55e-02
2	11	448	1.43	-1.00	1.23	-0.80	0.66	5.88e-02	4.52e-03	5.25e-02	1.08e-02	1.74e-02
2	11	449	1.45	-0.63	1.27	-0.46	0.58	4.45e-02	-2.89e-02	3.62e-02	-2.06e-02	2.32e-02
2	11	450	1.48	-0.30	1.32	-0.14	0.51	4.26e-02	-6.40e-03	3.66e-02	-4.73e-04	1.60e-02
2	11	451	1.49	-8.17e-02	1.35	5.45e-02	0.44	4.44e-02	1.80e-02	3.96e-02	2.28e-02	1.02e-02
2	11	452	1.53	-4.51	0.60	-3.58	2.19	5.96	-0.79	0.88	4.29	-2.91
2	11	453	1.44	-3.54	0.67	-2.77	1.80	4.00	-6.19e-02	0.90	3.04	-1.73
2	11	454	1.38	-2.79	0.74	-2.15	1.51	2.38	0.16	0.67	1.87	-0.93
2	11	455	1.35	-2.19	0.79	-1.64	1.29	1.23	0.18	0.42	1.00	-0.44
2	11	456	1.34	-1.70	0.85	-1.21	1.12	0.52	0.14	0.22	0.44	-0.16
2	11	457	1.34	-1.28	0.90	-0.84	0.97	0.15	8.82e-02	9.99e-02	0.14	-2.39e-02
2	11	458	1.35	-0.91	0.96	-0.52	0.85	5.67e-02	-3.42e-03	4.21e-02	1.12e-02	2.58e-02
2	11	459	1.37	-0.58	1.01	-0.22	0.75	4.39e-02	-2.93e-02	2.63e-02	-1.17e-02	3.13e-02
2	11	460	1.39	-0.28	1.07	5.07e-02	0.66	4.23e-02	-6.70e-03	2.97e-02	5.99e-03	2.15e-02
2	11	461	1.40	-7.29e-02	1.12	0.20	0.58	4.43e-02	1.57e-02	3.38e-02	2.62e-02	1.37e-02
2	11	462	1.41	-3.83	0.15	-2.57	2.24	5.22	-0.44	1.70	3.08	-2.74
2	11	463	1.33	-3.02	0.27	-1.96	1.87	3.43	4.71e-02	1.30	2.18	-1.63
2	11	464	1.28	-2.40	0.36	-1.48	1.59	2.01	0.18	0.85	1.34	-0.88
2	11	465	1.24	-1.89	0.44	-1.09	1.37	1.03	0.17	0.48	0.72	-0.41
2	11	466	1.23	-1.47	0.51	-0.75	1.19	0.43	0.13	0.23	0.32	-0.14
2	11	467	1.23	-1.11	0.58	-0.46	1.04	0.11	8.10e-02	8.98e-02	0.10	-1.39e-02
2	11	468	1.23	-0.79	0.65	-0.20	0.92	5.36e-02	-1.27e-02	2.74e-02	1.36e-02	3.24e-02
2	11	469	1.25	-0.50	0.71	3.79e-02	0.81	4.28e-02	-3.01e-02	1.38e-02	-1.05e-03	3.57e-02
2	11	470	1.27	-0.24	0.77	0.26	0.71	4.16e-02	-7.26e-03	2.06e-02	1.37e-02	2.42e-02
2	11	471	1.28	-6.18e-02	0.86	0.36	0.62	4.35e-02	1.26e-02	2.60e-02	3.01e-02	1.53e-02
2	11	472	1.25	-3.17	-0.16	-1.76	2.07	4.39	-0.18	2.08	2.14	-2.28
2	11	473	1.18	-2.52	-4.17e-02	-1.30	1.74	2.82	0.12	1.45	1.48	-1.35
2	11	474	1.13	-2.00	5.99e-02	-0.93	1.48	1.63	0.18	0.90	0.91	-0.72
2	11	475	1.10	-1.58	0.15	-0.63	1.28	0.82	0.16	0.48	0.49	-0.33

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2	11	476	1.08	-1.23	0.22	-0.37	1.12	0.33	0.11	0.22	0.22	-0.11
2	11	477	1.08	-0.93	0.29	-0.15	0.98	7.78e-02	7.15e-02	7.16e-02	7.76e-02	-1.00e-03
2	11	478	1.08	-0.66	0.36	5.62e-02	0.86	5.04e-02	-2.13e-02	1.10e-02	1.81e-02	3.57e-02
2	11	479	1.09	-0.42	0.42	0.24	0.75	4.13e-02	-3.08e-02	9.30e-04	9.64e-03	3.58e-02
2	11	480	1.11	-0.20	0.48	0.42	0.66	4.02e-02	-8.17e-03	1.10e-02	2.11e-02	2.37e-02
2	11	481	1.11	-5.65e-02	0.58	0.48	0.58	4.20e-02	9.08e-03	1.72e-02	3.38e-02	1.42e-02
2	11	482	1.17	-3.20	-0.51	-1.52	2.13	5.23	-0.45	3.02	1.77	-2.77
2	11	483	1.07	-2.48	-0.36	-1.05	1.74	3.44	4.18e-02	2.15	1.34	-1.65
2	11	484	0.99	-1.93	-0.24	-0.70	1.44	2.02	0.18	1.33	0.87	-0.89
2	11	485	0.95	-1.50	-0.13	-0.42	1.21	1.03	0.17	0.71	0.49	-0.42
2	11	486	0.92	-1.15	-4.40e-02	-0.19	1.03	0.43	0.12	0.31	0.24	-0.15
2	11	487	0.90	-0.85	3.54e-02	8.03e-03	0.88	0.11	7.77e-02	9.49e-02	9.25e-02	-1.60e-02
2	11	488	0.89	-0.60	0.11	0.18	0.74	5.00e-02	-1.77e-02	2.66e-03	2.97e-02	3.10e-02
2	11	489	0.89	-0.38	0.18	0.34	0.63	3.89e-02	-3.63e-02	-1.44e-02	1.69e-02	3.42e-02
2	11	490	0.91	-0.18	0.24	0.49	0.53	3.80e-02	-1.27e-02	-3.79e-04	2.56e-02	2.18e-02
2	11	491	0.92	-5.79e-02	0.34	0.52	0.48	4.16e-02	7.15e-03	1.08e-02	3.79e-02	1.07e-02
2	11	492	1.12	-3.04	-0.79	-1.13	2.07	6.00	-0.80	4.23	0.96	-2.98
2	11	493	0.98	-2.28	-0.58	-0.72	1.63	4.03	-7.02e-02	3.02	0.94	-1.77
2	11	494	0.88	-1.74	-0.43	-0.43	1.31	2.41	0.16	1.87	0.70	-0.96
2	11	495	0.81	-1.32	-0.31	-0.21	1.06	1.25	0.18	1.00	0.43	-0.45
2	11	496	0.76	-1.00	-0.21	-2.80e-02	0.87	0.53	0.14	0.44	0.23	-0.17
2	11	497	0.72	-0.73	-0.13	0.12	0.72	0.15	8.45e-02	0.13	0.10	-2.74e-02
2	11	498	0.70	-0.50	-5.42e-02	0.25	0.58	5.20e-02	-1.27e-02	-2.11e-03	4.14e-02	2.39e-02
2	11	499	0.70	-0.31	1.18e-02	0.37	0.47	3.82e-02	-4.16e-02	-2.88e-02	2.54e-02	2.93e-02
2	11	500	0.70	-0.14	7.06e-02	0.48	0.37	3.68e-02	-1.76e-02	-1.10e-02	3.02e-02	1.78e-02
2	11	501	0.71	-4.97e-02	0.17	0.49	0.34	4.13e-02	4.53e-03	5.47e-03	4.03e-02	5.82e-03
2	11	502	1.07	-2.65	-0.86	-0.72	1.86	6.58	-1.19	5.54	-0.15	-2.65
2	11	503	0.89	-1.94	-0.62	-0.42	1.41	4.53	-0.20	3.94	0.39	-1.56
2	11	504	0.77	-1.44	-0.45	-0.22	1.10	2.74	0.14	2.43	0.44	-0.84
2	11	505	0.68	-1.08	-0.34	-7.16e-02	0.87	1.44	0.19	1.30	0.33	-0.40
2	11	506	0.60	-0.80	-0.24	4.74e-02	0.69	0.62	0.14	0.57	0.20	-0.15
2	11	507	0.55	-0.57	-0.17	0.15	0.54	0.18	8.98e-02	0.17	0.10	-3.01e-02
2	11	508	0.51	-0.39	-0.11	0.23	0.41	5.33e-02	-8.30e-03	-4.52e-03	4.95e-02	1.48e-02
2	11	509	0.48	-0.23	-5.83e-02	0.31	0.30	3.71e-02	-4.68e-02	-4.15e-02	3.18e-02	2.04e-02
2	11	510	0.47	-0.10	-1.25e-02	0.38	0.21	3.53e-02	-2.25e-02	-2.02e-02	3.30e-02	1.13e-02
2	11	511	0.48	-4.19e-02	6.56e-02	0.38	0.21	4.01e-02	1.60e-03	1.60e-03	4.01e-02	4.51e-05
2	11	512	1.10	-2.08	-0.58	-0.40	1.59	6.95	-1.51	6.62	-1.17	-1.64
2	11	513	0.88	-1.51	-0.39	-0.23	1.19	4.86	-0.30	4.68	-0.12	-0.96
2	11	514	0.72	-1.11	-0.28	-0.12	0.91	2.97	0.11	2.88	0.21	-0.51
2	11	515	0.59	-0.83	-0.20	-3.41e-02	0.70	1.57	0.19	1.53	0.23	-0.24
2	11	516	0.49	-0.60	-0.14	2.97e-02	0.54	0.68	0.15	0.67	0.17	-9.35e-02
2	11	517	0.40	-0.42	-0.10	8.16e-02	0.40	0.20	9.33e-02	0.20	9.78e-02	-2.16e-02
2	11	518	0.33	-0.28	-7.21e-02	0.13	0.29	5.39e-02	-5.86e-03	-5.43e-03	5.35e-02	5.05e-03
2	11	519	0.27	-0.15	-4.54e-02	0.16	0.18	3.60e-02	-5.15e-02	-5.07e-02	3.52e-02	8.36e-03
2	11	520	0.23	-5.67e-02	-2.33e-02	0.20	9.27e-02	3.37e-02	-2.70e-02	-2.69e-02	3.36e-02	2.81e-03
2	11	521	0.25	-4.09e-02	1.75e-02	0.20	0.12	3.87e-02	-1.48e-03	-5.87e-04	3.78e-02	-5.94e-03
2	20	1	-2.50e-02	-4.32	-1.59	-2.76	2.07	4.72	-0.68	2.01	2.03	2.70
2	20	2	-0.19	-4.85	-1.11	-3.93	1.86	5.44	-1.24	1.39	2.82	3.26
2	20	3	-1.75	-4.38	-2.33	-3.81	1.09	6.12	-2.24	1.93	1.95	4.18
2	20	4	-0.55	-4.08	-2.69	-1.94	1.72	5.46	-1.22	2.82	1.42	3.27
2	20	5	-2.57	-4.18	-4.05	-2.70	0.44	6.44	-3.48	2.83	0.13	4.77
2	20	6	-8.68e-02	-4.60	-3.95	-0.73	1.58	6.00	-1.92	3.86	0.22	3.52
2	20	7	-0.93	-6.29	-6.24	-0.98	0.47	6.39	-4.87	4.04	-2.52	4.58
2	20	8	0.72	-5.88	-5.24	8.21e-02	1.96	6.32	-2.65	5.02	-1.35	3.16
2	20	9	0.81	-8.24	-7.90	0.46	1.74	6.14	-6.06	5.30	-5.23	3.08
2	20	10	1.98	-7.03	-5.94	0.90	2.93	6.46	-3.25	6.03	-2.81	2.01
2	20	11	2.71	-8.79	-7.52	1.44	3.61	5.96	-6.64	5.95	-6.63	0.33
2	20	12	3.32	-7.47	-5.57	1.42	4.11	6.49	-3.53	6.49	-3.53	0.22
2	20	13	4.29	-7.68	-5.37	1.98	4.72	6.06	-6.32	5.50	-5.75	-2.57
2	20	14	4.45	-7.07	-4.31	1.70	4.91	6.46	-3.37	6.18	-3.08	-1.66
2	20	15	5.37	-6.14	-3.29	2.52	4.97	6.31	-5.22	4.27	-3.18	-4.40
2	20	16	5.23	-6.20	-2.93	1.96	5.17	6.34	-2.82	5.23	-1.71	-2.99
2	20	17	5.64	-5.22	-2.11	2.52	4.91	6.41	-3.81	2.98	-0.37	-4.83
2	20	18	5.73	-5.32	-1.90	2.31	5.11	6.05	-2.09	4.05	-9.26e-02	-3.50
2	20	19	5.59	-4.80	-1.59	2.38	4.81	6.16	-2.51	2.01	1.64	-4.33

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2	20	20	5.57	-4.85	-1.33	2.05	4.92	5.55	-1.38	2.97	1.20	-3.35
2	20	21	5.64	-4.49	-1.27	2.41	4.72	5.55	-1.43	1.42	2.70	-3.43
2	20	22	5.87	-4.35	-0.81	2.32	4.86	4.80	-0.86	2.14	1.80	-2.82
2	20	23	0.48	-5.98	-0.17	-5.32	1.95	5.96	-1.96	0.15	3.85	3.50
2	20	24	-1.22	-5.84	-1.35	-5.71	0.78	6.41	-3.53	5.06e-02	2.83	4.78
2	20	25	-2.87	-5.43	-3.06	-5.24	-0.66	6.26	-5.62	0.28	0.36	5.94
2	20	26	-2.50	-7.38	-6.37	-3.51	-1.97	5.44	-8.11	1.16	-3.83	6.30
2	20	27	-0.59	-10.55	-10.48	-0.65	-0.81	4.18	-10.56	2.50	-8.88	4.68
2	20	28	2.20	-11.40	-10.75	1.55	2.89	3.47	-11.83	3.46	-11.81	0.48
2	20	29	4.82	-7.91	-6.28	3.19	4.25	3.92	-11.17	2.77	-10.02	-3.99
2	20	30	6.04	-5.36	-3.20	3.89	4.46	5.13	-8.83	1.26	-4.96	-6.25
2	20	31	6.50	-4.78	-2.28	4.01	4.68	6.06	-6.20	0.22	-0.37	-6.12
2	20	32	6.55	-4.52	-1.84	3.87	4.74	6.36	-3.95	-4.38e-02	2.45	-5.00
2	20	33	6.43	-4.50	-1.70	3.62	4.77	6.04	-2.23	7.23e-02	3.73	-3.71
2	20	34	1.52	-7.51	0.73	-6.72	2.55	6.28	-2.70	-1.42	5.01	3.13
2	20	35	0.27	-8.14	7.92e-02	-7.95	1.25	6.36	-4.95	-2.64	4.05	4.56
2	20	36	-1.10	-9.12	-1.17	-9.05	-0.74	5.38	-8.28	-4.03	1.13	6.33
2	20	37	-1.40	-11.10	-3.61	-8.89	-4.07	3.11	-12.85	-4.87	-4.86	7.98
2	20	38	-0.19	-19.45	-12.90	-6.74	-9.12	-0.23	-17.36	-3.91	-13.68	7.03
2	20	39	2.02	-19.94	-19.11	1.18	4.20	-2.43	-20.74	-2.45	-20.72	0.58
2	20	40	9.36	-5.25	-5.25	9.35	0.26	-1.36	-19.61	-4.07	-16.89	-6.50
2	20	41	9.22	-5.22	-3.68	7.68	4.45	2.25	-14.19	-5.45	-6.49	-8.20
2	20	42	8.49	-4.85	-2.77	6.41	4.83	4.89	-9.15	-4.50	0.25	-6.61
2	20	43	8.21	-4.77	-2.35	5.79	5.06	6.19	-5.49	-2.97	3.67	-4.80
2	20	44	7.76	-4.72	-2.01	5.06	5.14	6.31	-3.04	-1.65	4.92	-3.32
2	20	45	2.83	-8.88	1.53	-7.58	3.68	6.42	-3.27	-2.86	6.01	1.95
2	20	46	1.95	-10.14	1.33	-9.51	2.68	6.12	-6.10	-5.32	5.33	2.99
2	20	47	1.06	-12.15	0.97	-12.07	1.05	4.16	-10.76	-9.18	2.59	4.58
2	20	48	0.34	-15.99	8.53e-02	-15.74	-2.01	-0.51	-18.35	-14.76	-4.10	7.15
2	20	49	4.49	-17.39	2.24	-15.14	-6.64	-9.26	-32.99	-20.80	-21.44	11.86
2	20	50	-1.01	-31.51	-31.35	-1.16	2.17	-11.62	-37.44	-11.63	-37.42	0.60
2	20	51	21.96	-13.29	-10.17	18.83	10.02	-11.69	-34.66	-23.00	-23.35	-11.49
2	20	52	13.99	-7.00	-4.60	11.58	6.68	-2.20	-19.84	-16.00	-6.05	-7.28
2	20	53	12.05	-5.74	-3.24	9.55	6.18	3.38	-11.73	-10.03	1.68	-4.78
2	20	54	10.66	-5.48	-2.68	7.87	6.11	5.80	-6.73	-5.89	4.96	-3.15
2	20	55	9.53	-5.30	-2.26	6.48	5.99	6.39	-3.66	-3.22	5.95	-2.07
2	20	56	4.19	-9.69	2.00	-7.51	5.05	6.45	-3.51	-3.51	6.44	0.14
2	20	57	3.72	-11.14	2.10	-9.52	4.63	5.94	-6.59	-6.59	5.94	0.20
2	20	58	3.21	-13.26	2.22	-12.28	3.90	3.54	-11.76	-11.75	3.53	0.31
2	20	59	1.88	-16.91	1.61	-16.63	2.26	-2.30	-20.74	-20.73	-2.31	0.43
2	20	60	-5.81	-24.92	-6.62	-24.11	-3.86	-10.81	-38.04	-38.00	-10.85	1.01
2	20	61	9.20	-3.51	2.84	2.84	6.36	-90.13	-90.14	-90.14	-90.14	4.58e-03
2	20	62	30.52	-6.73	3.25	20.53	16.50	-17.56	-39.51	-39.46	-17.61	-1.01
2	20	63	20.46	-7.29	-2.64	15.81	10.37	-4.26	-22.21	-22.20	-4.27	-0.41
2	20	64	15.97	-6.91	-2.86	11.91	8.74	2.58	-12.77	-12.77	2.57	-0.31
2	20	65	13.24	-6.48	-2.56	9.32	7.87	5.58	-7.25	-7.25	5.58	-0.20
2	20	66	11.33	-6.11	-2.22	7.44	7.26	6.40	-3.92	-3.91	6.40	-0.14
2	20	67	5.36	-9.85	2.07	-6.57	6.26	6.41	-3.31	-3.00	6.10	-1.71
2	20	68	5.27	-11.08	2.27	-8.08	6.33	6.05	-6.20	-5.59	5.45	-2.65
2	20	69	5.42	-12.58	2.76	-9.92	6.38	4.00	-10.86	-9.61	2.76	-4.12
2	20	70	6.04	-13.98	4.15	-12.09	5.85	-0.95	-18.60	-15.71	-3.84	-6.54
2	20	71	11.15	-18.40	10.87	-18.12	2.88	-10.90	-34.06	-22.65	-22.31	-11.58
2	20	72	31.09	-5.51	27.77	-2.20	10.50	-16.81	-40.05	-16.83	-40.04	-0.58
2	20	73	28.01	-13.71	-1.54	15.84	18.96	-13.25	-35.80	-24.84	-24.21	11.27
2	20	74	24.04	-9.34	-0.55	15.25	14.71	-2.65	-20.08	-16.94	-5.79	6.70
2	20	75	18.49	-8.24	-1.47	11.71	11.63	3.21	-11.81	-10.45	1.85	4.31
2	20	76	15.07	-7.51	-1.75	9.31	9.85	5.73	-6.82	-6.16	5.07	2.81
2	20	77	12.69	-6.94	-1.75	7.50	8.65	6.39	-3.70	-3.35	6.04	1.83
2	20	78	6.18	-9.47	1.87	-5.15	6.99	6.28	-2.74	-1.62	5.15	-2.98
2	20	79	6.34	-10.30	2.04	-6.00	7.28	6.28	-5.07	-3.00	4.22	-4.38
2	20	80	6.77	-11.08	2.43	-6.74	7.66	5.15	-8.55	-4.70	1.30	-6.16
2	20	81	7.53	-12.24	3.32	-8.02	8.10	2.44	-13.62	-6.11	-5.07	-8.02
2	20	82	11.69	-16.77	4.75	-9.83	12.22	-1.72	-18.90	-5.82	-14.80	-7.32
2	20	83	21.29	-5.22	18.28	-2.21	8.40	-4.11	-22.22	-4.13	-22.21	-0.57
2	20	84	31.33	-12.63	12.40	6.31	21.77	-2.91	-21.10	-5.99	-18.02	6.82

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2	20	85	22.77	-11.04	3.24	8.49	16.70	1.55	-14.92	-6.68	-6.69	8.24
2	20	86	18.78	-9.23	0.81	8.74	13.43	4.65	-9.41	-5.17	0.42	6.45
2	20	87	15.65	-8.31	-0.42	7.76	11.26	6.10	-5.61	-3.33	3.83	4.63
2	20	88	13.31	-7.60	-0.92	6.63	9.75	6.30	-3.09	-1.84	5.06	3.18
2	20	89	6.63	-8.73	1.61	-3.71	7.21	5.98	-2.02	-3.12e-02	3.99	-3.46
2	20	90	6.76	-9.21	1.62	-4.07	7.46	6.36	-3.69	-0.28	2.95	-4.75
2	20	91	7.18	-9.44	2.02	-4.29	7.69	6.03	-6.01	-0.28	0.31	-6.01
2	20	92	8.02	-9.38	2.88	-4.24	7.94	4.91	-8.86	0.28	-4.24	-6.50
2	20	93	10.60	-8.34	5.92	-3.66	8.17	3.49	-11.44	1.67	-9.62	-4.89
2	20	94	15.59	-7.39	10.39	-2.18	9.62	2.66	-12.72	2.64	-12.70	-0.48
2	20	95	19.39	-9.12	10.12	0.15	13.36	3.22	-12.03	1.94	-10.75	4.22
2	20	96	19.25	-10.04	6.05	3.16	14.57	4.61	-9.60	0.38	-5.37	6.49
2	20	97	17.14	-9.41	2.77	4.96	13.23	5.84	-6.61	-0.34	-0.42	6.22
2	20	98	15.15	-8.52	1.10	5.54	11.63	6.32	-4.11	-0.37	2.58	5.00
2	20	99	13.18	-7.96	1.14e-02	5.21	10.24	6.06	-2.30	-0.10	3.86	3.68
2	20	100	6.69	-7.92	1.26	-2.49	7.06	5.47	-1.35	1.20	2.92	-3.30
2	20	101	6.90	-8.02	1.44	-2.56	7.19	6.08	-2.44	1.63	2.00	-4.26
2	20	102	7.17	-8.00	1.93	-2.75	7.22	6.30	-3.83	2.42	4.94e-02	-4.92
2	20	103	7.95	-7.69	3.09	-2.83	7.24	6.15	-5.34	3.61	-2.80	-4.77
2	20	104	9.82	-7.04	5.17	-2.39	7.54	5.79	-6.62	4.90	-5.73	-3.21
2	20	105	12.55	-7.14	7.31	-1.90	8.70	5.57	-7.22	5.56	-7.21	-0.32
2	20	106	14.85	-8.05	7.69	-0.89	10.62	5.72	-6.87	5.10	-6.25	2.73
2	20	107	15.55	-8.87	6.04	0.63	11.91	6.08	-5.69	3.84	-3.45	4.62
2	20	108	15.08	-8.76	3.87	2.45	11.90	6.29	-4.17	2.57	-0.45	5.01
2	20	109	14.07	-8.24	2.16	3.67	11.13	6.14	-2.73	1.71	1.69	4.43
2	20	110	12.60	-7.85	0.98	3.77	10.13	5.58	-1.56	1.24	2.78	3.48
2	20	111	6.76	-6.98	1.28	-1.50	6.73	4.74	-0.84	1.81	2.08	-2.79
2	20	112	6.57	-7.38	1.23	-2.04	6.78	5.46	-1.40	2.64	1.42	-3.38
2	20	113	6.76	-7.33	1.82	-2.39	6.72	5.97	-2.17	3.67	0.14	-3.66
2	20	114	7.55	-6.81	2.84	-2.10	6.74	6.25	-2.96	4.84	-1.56	-3.31
2	20	115	8.88	-6.53	4.24	-1.89	7.07	6.35	-3.61	5.88	-3.14	-2.11
2	20	116	10.61	-6.75	5.49	-1.64	7.92	6.36	-3.90	6.36	-3.89	-0.21
2	20	117	12.15	-7.39	5.87	-1.11	9.13	6.35	-3.73	6.03	-3.40	1.77
2	20	118	12.90	-8.04	5.14	-0.28	10.11	6.27	-3.14	5.05	-1.92	3.16
2	20	119	12.78	-8.39	3.83	0.57	10.46	6.03	-2.35	3.86	-0.18	3.67
2	20	120	12.38	-8.03	2.56	1.79	10.20	5.56	-1.58	2.78	1.20	3.48
2	20	121	11.23	-8.32	1.04	1.87	9.77	4.98	-0.86	2.03	2.09	2.92
2	20	122	8.97	-6.37	4.13	-1.53	7.13	5.47	-1.36	5.47	-1.36	-0.11
2	20	123	10.07	-6.84	4.44	-1.20	7.97	5.40	-1.29	5.20	-1.09	1.14
2	20	124	7.70	-6.02	3.18	-1.50	6.45	3.89	-0.31	3.89	-0.31	-5.79e-02
2	20	125	8.52	-6.40	3.42	-1.30	7.08	3.82	-0.29	3.71	-0.18	0.68
2	20	126	6.62	-5.69	2.50	-1.57	5.81	2.41	6.17e-02	2.41	6.22e-02	-3.31e-02
2	20	127	7.25	-6.03	2.69	-1.47	6.30	2.36	6.39e-02	2.30	0.12	0.37
2	20	128	5.61	-5.34	1.98	-1.70	5.16	1.29	0.14	1.29	0.14	-2.44e-02
2	20	129	6.10	-5.63	2.13	-1.66	5.55	1.25	0.14	1.23	0.16	0.17
2	20	130	4.63	-4.96	1.55	-1.88	4.47	0.57	0.12	0.57	0.12	-2.61e-02
2	20	131	5.01	-5.22	1.68	-1.89	4.80	0.54	0.11	0.53	0.11	4.80e-02
2	20	132	3.63	-4.54	1.19	-2.10	3.74	0.18	6.61e-02	0.16	7.81e-02	-3.42e-02
2	20	133	3.93	-4.82	1.29	-2.18	4.02	0.13	5.63e-02	0.13	6.15e-02	-1.88e-02
2	20	134	2.61	-4.09	0.86	-2.34	2.94	6.84e-02	-4.34e-02	-2.04e-02	4.54e-02	-4.52e-02
2	20	135	2.86	-4.37	0.95	-2.46	3.19	4.95e-02	-8.39e-02	-5.75e-02	2.31e-02	-5.31e-02
2	20	136	1.59	-3.63	0.57	-2.61	2.07	5.30e-02	-9.24e-02	-6.69e-02	2.75e-02	-5.53e-02
2	20	137	1.81	-3.94	0.63	-2.76	2.32	3.64e-02	-0.13	-0.10	3.92e-03	-6.71e-02
2	20	138	0.66	-3.28	0.29	-2.91	1.15	4.65e-02	-7.08e-02	-4.25e-02	1.82e-02	-5.02e-02
2	20	139	0.84	-3.61	0.33	-3.10	1.42	3.63e-02	-0.10	-6.61e-02	-2.17e-03	-6.28e-02
2	20	140	0.33	-3.40	0.18	-3.25	0.73	4.24e-02	-4.83e-02	-1.86e-02	1.27e-02	-4.26e-02
2	20	141	0.51	-3.66	0.22	-3.37	1.06	4.84e-02	-6.32e-02	-1.64e-02	1.56e-03	-5.51e-02
2	20	142	10.77	-7.30	4.08	-0.61	8.72	5.15	-1.06	4.40	-0.31	2.03
2	20	143	9.09	-6.80	3.19	-0.90	7.68	3.59	-0.22	3.16	0.22	1.21
2	20	144	7.72	-6.38	2.54	-1.20	6.80	2.19	7.56e-02	1.96	0.30	0.66
2	20	145	6.51	-5.94	2.03	-1.47	5.97	1.15	0.13	1.05	0.23	0.31
2	20	146	5.38	-5.50	1.61	-1.74	5.17	0.46	0.10	0.43	0.13	9.95e-02
2	20	147	4.28	-5.04	1.26	-2.02	4.36	7.67e-02	2.75e-02	7.40e-02	3.02e-02	-1.11e-02
2	20	148	3.16	-4.64	0.89	-2.37	3.54	2.68e-02	-0.12	-8.45e-02	-7.38e-03	-6.17e-02
2	20	149	2.14	-4.20	0.62	-2.68	2.71	6.61e-03	-0.19	-0.16	-2.86e-02	-7.56e-02

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2	20	150	1.16	-3.87	0.29	-3.00	1.89	8.38e-03	-0.14	-0.10	-2.96e-02	-6.48e-02
2	20	151	0.69	-3.67	6.45e-02	-3.05	1.52	3.58e-02	-7.38e-02	-1.18e-03	-3.68e-02	-5.19e-02
2	20	152	10.88	-7.57	3.24	6.88e-02	9.09	4.75	-0.70	3.37	0.67	2.37
2	20	153	9.27	-7.05	2.61	-0.38	8.02	3.22	-0.12	2.43	0.67	1.42
2	20	154	7.94	-6.57	2.10	-0.73	7.12	1.93	8.74e-02	1.52	0.51	0.77
2	20	155	6.74	-6.16	1.67	-1.10	6.30	0.99	0.12	0.80	0.31	0.36
2	20	156	5.56	-5.71	1.28	-1.43	5.47	0.37	8.85e-02	0.31	0.15	0.12
2	20	157	4.51	-5.23	1.00	-1.72	4.68	3.73e-02	9.21e-03	2.32e-02	2.33e-02	-1.40e-02
2	20	158	3.48	-4.80	0.75	-2.07	3.90	-6.25e-03	-0.19	-0.16	-3.86e-02	-7.01e-02
2	20	159	2.30	-4.38	0.31	-2.40	3.05	-1.68e-02	-0.21	-0.17	-5.99e-02	-8.04e-02
2	20	160	1.16	-4.06	-0.16	-2.74	2.27	1.12e-03	-0.12	-7.09e-02	-5.28e-02	-6.23e-02
2	20	161	0.92	-3.58	-0.16	-2.50	1.92	2.44e-02	-8.48e-02	-1.32e-03	-5.91e-02	-4.63e-02
2	20	162	10.71	-7.38	2.24	1.10	9.03	4.19	-0.43	2.40	1.36	2.25
2	20	163	9.29	-6.84	1.91	0.54	8.04	2.77	-2.99e-02	1.73	1.01	1.35
2	20	164	8.00	-6.37	1.60	3.28e-02	7.14	1.64	0.12	1.09	0.67	0.73
2	20	165	6.70	-6.16	1.12	-0.58	6.38	0.79	9.17e-02	0.54	0.34	0.33
2	20	166	5.57	-5.80	0.77	-1.00	5.62	0.28	7.59e-02	0.21	0.15	9.88e-02
2	20	167	4.41	-5.36	0.43	-1.39	4.80	1.80e-02	-4.25e-02	-2.84e-02	3.89e-03	-2.56e-02
2	20	168	3.41	-4.89	0.14	-1.62	4.06	-2.73e-02	-0.22	-0.18	-6.62e-02	-7.69e-02
2	20	169	2.22	-4.54	-0.43	-1.88	3.30	-2.05e-02	-0.19	-0.12	-8.44e-02	-8.14e-02
2	20	170	1.09	-4.12	-0.91	-2.13	2.53	-2.71e-02	-0.15	-0.11	-6.68e-02	-5.70e-02
2	20	171	1.02	-3.35	-0.65	-1.67	2.12	1.69e-02	-8.81e-02	-1.37e-04	-7.10e-02	-3.87e-02
2	20	172	10.09	-7.44	1.11	1.54	8.76	3.56	-0.20	1.66	1.70	1.88
2	20	173	8.79	-6.96	0.77	1.07	7.87	2.29	4.84e-02	1.18	1.15	1.12
2	20	174	7.54	-6.68	0.45	0.41	7.11	1.37	0.17	0.75	0.79	0.60
2	20	175	6.12	-6.37	9.63e-02	-0.34	6.24	0.67	0.14	0.37	0.44	0.26
2	20	176	5.19	-5.87	-6.77e-02	-0.61	5.52	0.16	3.35e-02	8.40e-02	0.11	6.37e-02
2	20	177	4.08	-5.62	-0.51	-1.02	4.84	1.47e-02	-6.78e-02	-3.49e-02	-1.82e-02	-4.04e-02
2	20	178	3.15	-5.06	-0.80	-1.12	4.10	-5.12e-02	-0.23	-0.17	-0.11	-8.10e-02
2	20	179	2.31	-4.23	-0.91	-1.02	3.27	-9.96e-02	-0.27	-0.16	-0.21	-7.97e-02
2	20	180	1.39	-3.68	-1.13	-1.16	2.53	-9.73e-02	-0.21	-0.13	-0.18	-5.23e-02
2	20	181	1.55	-2.24	-0.37	-0.32	1.90	-6.71e-02	-0.26	-7.29e-02	-0.26	-3.30e-02
2	20	182	11.05	-7.32	0.56	3.18	9.09	4.18	-0.44	1.34	2.40	2.24
2	20	183	9.72	-6.77	0.33	2.62	8.17	2.77	-1.38e-02	1.03	1.73	1.35
2	20	184	8.34	-6.34	0.13	1.86	7.29	1.68	0.15	0.68	1.14	0.73
2	20	185	7.24	-6.08	-0.23	1.39	6.61	0.76	7.60e-02	0.34	0.49	0.33
2	20	186	5.92	-5.81	-0.59	0.70	5.83	0.29	8.97e-02	0.16	0.23	9.70e-02
2	20	187	4.62	-5.35	-0.89	0.16	4.96	2.57e-02	-3.86e-02	-2.42e-02	1.14e-02	-2.68e-02
2	20	188	3.50	-4.97	-1.31	-0.16	4.19	-5.31e-02	-0.22	-0.10	-0.18	-7.74e-02
2	20	189	2.42	-4.45	-1.50	-0.54	3.40	-5.97e-02	-0.23	-0.12	-0.17	-8.10e-02
2	20	190	1.33	-3.89	-1.69	-0.87	2.58	-5.94e-02	-0.18	-9.68e-02	-0.14	-5.48e-02
2	20	191	1.24	-2.74	-1.10	-0.40	1.96	-3.89e-03	-0.16	-0.15	-1.20e-02	-3.43e-02
2	20	192	11.29	-7.40	-0.29	4.19	9.07	4.75	-0.71	0.66	3.38	2.37
2	20	193	9.79	-6.86	-0.46	3.38	8.10	3.24	-9.23e-02	0.70	2.44	1.42
2	20	194	8.56	-6.36	-0.56	2.75	7.27	1.94	9.59e-02	0.51	1.52	0.77
2	20	195	7.39	-6.07	-0.89	2.21	6.55	1.00	0.13	0.32	0.82	0.36
2	20	196	6.12	-5.64	-1.05	1.53	5.74	0.35	9.03e-02	0.15	0.28	0.11
2	20	197	5.09	-5.12	-1.19	1.16	4.97	-5.03e-04	-4.40e-02	-8.58e-03	-3.59e-02	-1.69e-02
2	20	198	3.94	-4.78	-1.59	0.75	4.20	-3.71e-02	-0.21	-7.56e-02	-0.17	-7.19e-02
2	20	199	2.45	-4.33	-1.91	2.36e-02	3.25	-4.16e-02	-0.22	-9.63e-02	-0.16	-8.09e-02
2	20	200	1.29	-3.76	-2.12	-0.34	2.36	-3.13e-02	-0.15	-8.36e-02	-0.10	-6.03e-02
2	20	201	0.98	-2.79	-1.64	-0.18	1.74	-1.53e-03	-0.14	-0.13	-1.47e-02	-4.04e-02
2	20	202	11.20	-7.13	-1.06	5.13	8.63	5.18	-1.03	-0.26	4.42	2.04
2	20	203	9.62	-6.65	-1.09	4.06	7.71	3.61	-0.19	0.24	3.17	1.21
2	20	204	8.29	-6.31	-1.27	3.25	6.94	2.20	8.90e-02	0.32	1.97	0.65
2	20	205	7.14	-5.87	-1.35	2.61	6.20	1.16	0.14	0.24	1.06	0.30
2	20	206	6.05	-5.43	-1.44	2.07	5.46	0.45	0.11	0.14	0.42	9.53e-02
2	20	207	4.97	-4.93	-1.56	1.60	4.69	5.05e-02	-2.84e-02	-2.55e-02	4.76e-02	-1.48e-02
2	20	208	3.70	-4.63	-1.92	1.00	3.90	-4.97e-04	-0.15	-3.86e-02	-0.11	-6.46e-02
2	20	209	2.57	-4.06	-2.10	0.61	3.03	-2.24e-02	-0.22	-6.03e-02	-0.18	-7.75e-02
2	20	210	1.29	-3.48	-2.33	0.14	2.04	-1.12e-02	-0.15	-5.58e-02	-0.11	-6.48e-02
2	20	211	0.72	-2.75	-2.02	-1.74e-02	1.42	8.39e-03	-0.11	-8.36e-02	-1.63e-02	-4.77e-02
2	20	212	10.59	-6.60	-1.70	5.69	7.76	5.44	-1.26	-1.05	5.23	1.17
2	20	213	9.06	-6.21	-1.60	4.44	7.01	3.85	-0.28	-0.16	3.73	0.69
2	20	214	7.80	-5.90	-1.62	3.52	6.35	2.37	7.25e-02	0.13	2.31	0.37

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2	20	215	6.69	-5.54	-1.64	2.79	5.70	1.26	0.14	0.17	1.24	0.17
2	20	216	5.64	-5.14	-1.70	2.19	5.03	0.54	8.91e-02	9.36e-02	0.54	4.47e-02
2	20	217	4.55	-4.80	-1.92	1.66	4.32	0.12	3.87e-02	4.56e-02	0.11	-2.24e-02
2	20	218	3.45	-4.30	-2.04	1.19	3.52	3.33e-02	-0.10	4.06e-03	-7.56e-02	-5.65e-02
2	20	219	2.24	-3.74	-2.19	0.69	2.62	2.05e-02	-0.15	-1.55e-02	-0.12	-7.00e-02
2	20	220	1.06	-3.12	-2.36	0.30	1.61	2.62e-02	-0.12	-1.64e-02	-7.32e-02	-6.51e-02
2	20	221	0.52	-2.67	-2.28	0.12	1.05	3.20e-02	-7.53e-02	-2.40e-02	-1.94e-02	-5.36e-02
2	20	222	9.51	-5.91	-2.03	5.63	6.69	5.52	-1.36	-1.36	5.52	-7.99e-02
2	20	223	8.16	-5.65	-1.85	4.37	6.17	3.93	-0.31	-0.31	3.93	-4.69e-02
2	20	224	7.06	-5.40	-1.77	3.43	5.66	2.43	6.41e-02	6.44e-02	2.43	-3.02e-02
2	20	225	6.06	-5.12	-1.75	2.69	5.13	1.30	0.14	0.14	1.30	-2.51e-02
2	20	226	5.10	-4.78	-1.77	2.09	4.55	0.57	0.12	0.12	0.57	-2.82e-02
2	20	227	4.12	-4.37	-1.82	1.57	3.89	0.17	5.84e-02	7.18e-02	0.16	-3.69e-02
2	20	228	3.09	-3.87	-1.90	1.12	3.14	6.35e-02	-5.03e-02	3.68e-02	-2.36e-02	-4.82e-02
2	20	229	2.00	-3.27	-1.99	0.72	2.26	4.78e-02	-9.98e-02	1.89e-02	-7.09e-02	-5.86e-02
2	20	230	0.88	-2.63	-2.10	0.35	1.26	4.83e-02	-8.22e-02	1.38e-02	-4.77e-02	-5.76e-02
2	20	231	0.33	-2.41	-2.21	0.12	0.72	4.94e-02	-5.83e-02	1.35e-02	-2.23e-02	-5.08e-02
2	20	232	8.16	-5.22	-2.02	4.96	5.71	5.43	-1.27	-1.01	5.17	-1.30
2	20	233	7.09	-5.09	-1.84	3.84	5.39	3.84	-0.28	-0.13	3.69	-0.77
2	20	234	6.20	-4.90	-1.70	2.99	5.03	2.37	7.00e-02	0.15	2.29	-0.42
2	20	235	5.35	-4.69	-1.67	2.33	4.61	1.27	0.14	0.18	1.23	-0.21
2	20	236	4.50	-4.40	-1.68	1.77	4.10	0.56	0.14	0.16	0.54	-0.10
2	20	237	3.69	-3.95	-1.57	1.31	3.54	0.21	7.58e-02	9.93e-02	0.19	-5.18e-02
2	20	238	2.78	-3.46	-1.61	0.92	2.86	8.95e-02	1.66e-03	6.42e-02	2.69e-02	-3.97e-02
2	20	239	1.84	-2.84	-1.64	0.64	2.05	6.88e-02	-4.47e-02	4.72e-02	-2.31e-02	-4.45e-02
2	20	240	0.81	-2.16	-1.68	0.32	1.10	8.34e-02	-6.62e-02	4.01e-02	-2.29e-02	-6.79e-02
2	20	241	0.21	-2.18	-2.06	8.45e-02	0.53	6.88e-02	-3.76e-02	4.93e-02	-1.81e-02	-4.11e-02
2	20	242	6.85	-4.73	-1.79	3.91	5.04	5.16	-1.02	-0.18	4.32	-2.12
2	20	243	6.05	-4.69	-1.65	3.01	4.84	3.59	-0.20	0.28	3.11	-1.26
2	20	244	5.39	-4.53	-1.47	2.33	4.58	2.20	8.93e-02	0.35	1.94	-0.69
2	20	245	4.67	-4.37	-1.45	1.76	4.23	1.17	0.14	0.27	1.05	-0.34
2	20	246	3.96	-4.13	-1.47	1.30	3.80	0.55	0.11	0.17	0.50	-0.15
2	20	247	3.19	-3.78	-1.49	0.90	3.27	0.25	0.13	0.17	0.20	-6.01e-02
2	20	248	2.60	-3.16	-1.30	0.75	2.69	0.11	4.06e-02	9.15e-02	5.94e-02	-3.09e-02
2	20	249	1.75	-2.60	-1.32	0.46	1.98	9.38e-02	2.61e-02	7.56e-02	4.43e-02	-3.00e-02
2	20	250	0.71	-1.85	-1.35	0.20	1.02	8.44e-02	1.15e-02	6.86e-02	2.72e-02	-3.00e-02
2	20	251	6.39e-02	-1.92	-1.85	-4.60e-03	0.36	0.11	-1.96e-02	0.10	-1.39e-02	-2.66e-02
2	20	252	5.82	-4.56	-1.53	2.78	4.72	4.71	-0.70	0.72	3.28	-2.39
2	20	253	5.22	-4.54	-1.41	2.09	4.56	3.20	-9.60e-02	0.73	2.38	-1.43
2	20	254	4.64	-4.51	-1.42	1.55	4.33	1.94	0.12	0.57	1.49	-0.78
2	20	255	4.20	-4.28	-1.22	1.14	4.07	1.03	0.13	0.35	0.81	-0.39
2	20	256	3.70	-3.90	-1.21	1.02	3.63	0.51	0.11	0.19	0.42	-0.16
2	20	257	3.04	-3.58	-1.24	0.69	3.17	0.26	0.11	0.15	0.23	-5.89e-02
2	20	258	2.50	-3.02	-1.01	0.49	2.65	0.16	9.72e-02	0.15	0.11	-2.22e-02
2	20	259	1.85	-2.30	-0.93	0.47	1.95	0.15	7.17e-02	0.14	7.61e-02	-1.74e-02
2	20	260	0.82	-1.48	-0.88	0.22	1.01	0.14	3.31e-02	0.14	3.53e-02	-1.53e-02
2	20	261	-0.17	-1.50	-1.43	-0.25	0.31	0.17	-3.50e-02	0.14	-9.98e-03	-6.65e-02
2	20	262	5.23	-4.61	-1.16	1.78	4.70	4.13	-0.39	1.40	2.33	-2.21
2	20	263	4.74	-4.65	-1.16	1.25	4.54	2.75	2.80e-02	1.09	1.69	-1.33
2	20	264	4.35	-4.45	-1.24	1.14	4.23	1.61	0.13	0.74	1.00	-0.73
2	20	265	3.99	-4.28	-1.17	0.88	4.01	0.93	0.20	0.47	0.66	-0.36
2	20	266	3.84	-3.67	-0.85	1.03	3.63	0.39	8.64e-02	0.21	0.27	-0.15
2	20	267	3.34	-3.03	-0.69	1.00	3.07	0.18	6.94e-02	0.14	0.10	-4.98e-02
2	20	268	2.76	-2.54	-0.46	0.68	2.59	0.16	0.10	0.11	0.15	-1.50e-02
2	20	269	2.08	-2.00	-0.40	0.48	1.99	0.10	8.21e-02	9.31e-02	8.93e-02	-8.93e-03
2	20	270	1.14	-1.17	-0.27	0.24	1.13	9.07e-02	7.92e-02	8.80e-02	8.19e-02	-4.88e-03
2	20	271	-0.46	-1.27	-1.23	-0.49	0.17	0.16	3.55e-02	0.16	3.55e-02	1.26e-03
2	20	272	5.29	-4.50	-0.90	1.70	4.72	3.45	-0.17	1.74	1.55	-1.81
2	20	273	4.87	-4.37	-0.89	1.39	4.48	2.27	0.12	1.24	1.15	-1.08
2	20	274	4.76	-4.03	-0.74	1.47	4.26	1.29	0.12	0.76	0.65	-0.59
2	20	275	4.55	-3.49	-0.64	1.70	3.85	0.68	0.10	0.44	0.34	-0.28
2	20	276	4.10	-3.17	-0.59	1.52	3.48	0.35	0.12	0.26	0.21	-0.12
2	20	277	3.72	-2.65	-0.34	1.41	3.07	0.16	8.50e-02	0.13	0.12	-3.73e-02
2	20	278	2.98	-2.28	-0.23	0.93	2.57	0.18	7.00e-02	0.18	7.09e-02	-1.02e-02
2	20	279	2.16	-1.82	-9.43e-02	0.44	1.97	0.14	0.11	0.12	0.14	-5.36e-03

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2	20	280	1.51	-1.35	-5.37e-03	0.16	1.43	0.16	0.11	0.11	0.16	-2.22e-03
2	20	281	-0.57	-1.11	-0.89	-0.78	0.26	0.26	7.32e-02	7.33e-02	0.26	4.80e-03
2	20	282	5.26	-4.86	-1.21	1.61	4.86	4.08	-0.38	2.47	1.23	-2.14
2	20	283	5.01	-4.69	-1.07	1.39	4.69	2.73	5.68e-02	1.77	1.02	-1.28
2	20	284	4.69	-4.46	-1.05	1.28	4.42	1.64	0.17	1.13	0.68	-0.70
2	20	285	4.66	-3.91	-0.75	1.50	4.13	0.87	0.16	0.62	0.40	-0.34
2	20	286	4.22	-3.53	-0.67	1.36	3.74	0.43	0.13	0.33	0.23	-0.14
2	20	287	3.75	-3.00	-0.55	1.30	3.24	0.22	0.10	0.20	0.12	-4.42e-02
2	20	288	3.18	-2.53	-0.43	1.08	2.75	0.17	9.52e-02	0.16	9.74e-02	-1.22e-02
2	20	289	2.80	-1.74	2.33e-02	1.05	2.21	9.23e-02	4.65e-02	4.77e-02	9.11e-02	-7.35e-03
2	20	290	2.35	-0.97	0.35	1.03	1.62	0.10	2.80e-02	6.55e-02	6.58e-02	-3.76e-02
2	20	291	1.27	-0.76	-2.69e-02	0.53	0.98	3.84e-02	1.74e-02	1.74e-02	3.83e-02	-1.24e-03
2	20	292	5.35	-5.34	-1.69	1.70	5.07	4.65	-0.67	3.43	0.56	-2.24
2	20	293	5.24	-5.00	-1.32	1.56	4.91	3.15	-3.34e-02	2.43	0.69	-1.33
2	20	294	5.06	-4.60	-1.04	1.50	4.66	1.89	0.15	1.51	0.53	-0.72
2	20	295	4.83	-4.13	-0.81	1.50	4.33	1.01	0.16	0.82	0.34	-0.35
2	20	296	4.46	-3.68	-0.69	1.46	3.92	0.48	0.12	0.41	0.19	-0.14
2	20	297	3.93	-3.21	-0.64	1.36	3.43	0.22	0.10	0.19	0.13	-4.82e-02
2	20	298	3.48	-2.62	-0.55	1.41	2.89	0.14	8.91e-02	0.13	9.59e-02	-1.70e-02
2	20	299	3.01	-1.89	-0.35	1.48	2.27	0.11	6.27e-02	0.10	6.82e-02	-1.43e-02
2	20	300	2.64	-1.03	-2.76e-02	1.64	1.63	7.50e-02	-5.54e-03	2.54e-02	4.41e-02	-3.92e-02
2	20	301	1.90	-0.72	-0.11	1.30	1.10	4.53e-02	1.02e-02	1.21e-02	4.35e-02	-7.76e-03
2	20	302	5.04	-6.00	-2.42	1.46	5.17	5.10	-0.89	4.42	-0.21	-1.90
2	20	303	5.05	-5.52	-1.88	1.41	5.02	3.50	-0.13	3.11	0.26	-1.12
2	20	304	4.97	-5.01	-1.48	1.44	4.77	2.12	0.12	1.91	0.33	-0.61
2	20	305	4.79	-4.46	-1.16	1.48	4.43	1.13	0.16	1.03	0.26	-0.29
2	20	306	4.49	-3.85	-0.91	1.55	3.99	0.52	0.12	0.47	0.16	-0.12
2	20	307	4.11	-3.22	-0.74	1.63	3.47	0.21	8.21e-02	0.19	0.10	-4.56e-02
2	20	308	3.70	-2.53	-0.60	1.76	2.88	9.46e-02	4.81e-02	7.59e-02	6.68e-02	-2.28e-02
2	20	309	3.26	-1.77	-0.44	1.93	2.22	9.04e-02	3.98e-02	7.26e-02	5.76e-02	-2.42e-02
2	20	310	2.87	-1.03	-0.27	2.11	1.54	9.78e-02	1.26e-02	4.86e-02	6.18e-02	-4.21e-02
2	20	311	2.48	-0.55	-0.13	2.05	1.05	4.82e-02	7.04e-04	5.67e-03	4.32e-02	-1.45e-02
2	20	312	4.53	-6.51	-3.33	1.35	5.00	5.36	-1.11	5.18	-0.93	-1.06
2	20	313	4.68	-5.88	-2.56	1.36	4.91	3.73	-0.21	3.62	-0.11	-0.63
2	20	314	4.72	-5.28	-2.00	1.44	4.69	2.26	9.56e-02	2.21	0.15	-0.34
2	20	315	4.61	-4.65	-1.57	1.54	4.36	1.20	0.15	1.17	0.18	-0.17
2	20	316	4.43	-3.95	-1.22	1.70	3.93	0.54	0.12	0.52	0.13	-7.42e-02
2	20	317	4.16	-3.20	-0.93	1.89	3.40	0.19	6.62e-02	0.18	7.79e-02	-3.63e-02
2	20	318	3.80	-2.41	-0.70	2.08	2.78	7.60e-02	1.75e-02	4.32e-02	5.03e-02	-2.91e-02
2	20	319	3.42	-1.56	-0.47	2.32	2.06	6.29e-02	-1.31e-02	1.03e-02	3.96e-02	-3.50e-02
2	20	320	3.09	-0.78	-0.27	2.58	1.30	7.08e-02	-6.28e-03	2.12e-02	4.33e-02	-3.69e-02
2	20	321	3.00	-0.48	-0.25	2.77	0.86	7.68e-02	-1.92e-02	1.72e-02	4.05e-02	-4.66e-02
2	20	322	3.74	-6.65	-4.13	1.23	4.45	5.43	-1.17	5.43	-1.17	0.12
2	20	323	4.11	-5.95	-3.14	1.30	4.51	3.79	-0.23	3.79	-0.23	6.00e-02
2	20	324	4.29	-5.30	-2.44	1.44	4.39	2.30	8.97e-02	2.30	9.00e-02	2.68e-02
2	20	325	4.33	-4.64	-1.91	1.61	4.13	1.21	0.15	1.21	0.15	5.45e-03
2	20	326	4.25	-3.93	-1.49	1.81	3.74	0.52	0.11	0.52	0.11	-1.04e-02
2	20	327	4.06	-3.16	-1.14	2.04	3.24	0.16	6.16e-02	0.16	6.75e-02	-2.39e-02
2	20	328	3.79	-2.32	-0.83	2.29	2.63	6.19e-02	-1.44e-02	1.07e-02	3.67e-02	-3.59e-02
2	20	329	3.47	-1.45	-0.54	2.57	1.91	5.37e-02	-4.67e-02	-1.85e-02	2.56e-02	-4.51e-02
2	20	330	3.22	-0.62	-0.28	2.87	1.10	5.59e-02	-2.99e-02	-4.24e-03	3.02e-02	-3.93e-02
2	20	331	3.33	-0.29	-0.17	3.21	0.62	5.49e-02	7.35e-04	1.69e-02	3.87e-02	-2.48e-02
2	20	332	2.75	-6.29	-4.45	0.91	3.64	5.32	-1.07	5.07	-0.81	1.25
2	20	333	3.38	-5.65	-3.39	1.11	3.91	3.68	-0.19	3.54	-5.17e-02	0.72
2	20	334	3.75	-5.07	-2.64	1.32	3.94	2.22	0.10	2.15	0.17	0.38
2	20	335	3.95	-4.45	-2.08	1.58	3.78	1.15	0.14	1.12	0.17	0.17
2	20	336	3.98	-3.79	-1.63	1.82	3.48	0.48	0.11	0.47	0.12	4.91e-02
2	20	337	3.88	-3.06	-1.26	2.08	3.05	0.13	6.07e-02	0.13	6.37e-02	-1.39e-02
2	20	338	3.73	-2.26	-0.91	2.38	2.51	5.25e-02	-4.52e-02	-1.88e-02	2.61e-02	-4.34e-02
2	20	339	3.51	-1.46	-0.62	2.67	1.86	4.80e-02	-7.17e-02	-3.91e-02	1.54e-02	-5.33e-02
2	20	340	3.26	-0.61	-0.29	2.94	1.07	0.12	-0.11	-1.31e-02	2.17e-02	-0.11
2	20	341	3.72	-0.21	-0.16	3.67	0.42	6.31e-02	-2.52e-02	-1.50e-03	3.94e-02	-3.91e-02
2	20	342	1.78	-5.53	-4.10	0.36	2.90	5.03	-0.84	4.25	-6.03e-02	2.00
2	20	343	2.64	-5.09	-3.18	0.74	3.33	3.42	-0.12	2.98	0.32	1.17
2	20	344	3.18	-4.64	-2.52	1.05	3.48	2.03	0.11	1.81	0.34	0.62

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2	20	345	3.51	-4.14	-2.01	1.38	3.43	1.04	0.15	0.94	0.24	0.28
2	20	346	3.65	-3.55	-1.59	1.70	3.21	0.41	0.11	0.38	0.14	8.67e-02
2	20	347	3.71	-2.88	-1.21	2.04	2.87	8.24e-02	5.24e-02	7.79e-02	5.70e-02	-1.08e-02
2	20	348	3.64	-2.20	-0.90	2.34	2.43	4.57e-02	-7.56e-02	-4.72e-02	1.73e-02	-5.13e-02
2	20	349	3.48	-1.49	-0.64	2.63	1.88	4.28e-02	-9.03e-02	-5.43e-02	6.75e-03	-5.92e-02
2	20	350	3.35	-0.34	-0.11	3.11	0.91	4.24e-02	-8.86e-02	-5.97e-02	1.35e-02	-5.43e-02
2	20	351	3.66	-9.73e-02	-9.52e-02	3.66	-9.03e-02	4.43e-02	7.91e-05	2.59e-03	4.18e-02	-1.02e-02
2	20	352	1.14	-4.69	-3.29	-0.26	2.49	4.57	-0.55	3.25	0.77	2.24
2	20	353	2.11	-4.47	-2.62	0.26	2.96	3.04	-2.05e-02	2.29	0.73	1.32
2	20	354	2.73	-4.17	-2.11	0.67	3.16	1.78	0.14	1.39	0.53	0.70
2	20	355	3.09	-3.80	-1.72	1.01	3.17	0.89	0.15	0.71	0.32	0.31
2	20	356	3.35	-3.30	-1.35	1.40	3.03	0.33	0.11	0.27	0.17	9.48e-02
2	20	357	3.50	-2.68	-1.01	1.83	2.74	5.21e-02	1.55e-02	2.43e-02	4.33e-02	-1.57e-02
2	20	358	3.41	-2.10	-0.79	2.09	2.35	-2.11e-02	-0.19	-4.57e-02	-0.16	-5.89e-02
2	20	359	3.64	-1.18	-0.11	2.57	2.00	-0.11	-0.23	-0.17	-0.17	-6.32e-02
2	20	360	2.85	-3.18e-03	0.17	2.67	0.69	5.35e-03	-0.18	-1.94e-02	-0.15	-6.23e-02
2	20	361	3.08	0.28	0.42	2.94	-0.61	0.21	-0.17	4.17e-03	4.34e-02	-0.19
2	20	362	0.61	-4.51	-2.53	-1.37	2.49	3.98	-0.29	2.33	1.37	2.08
2	20	363	1.74	-4.21	-1.97	-0.50	2.88	2.55	1.01e-02	1.61	0.95	1.23
2	20	364	2.35	-3.96	-1.56	-5.79e-02	3.07	1.44	8.73e-02	0.95	0.58	0.65
2	20	365	2.65	-3.69	-1.28	0.25	3.08	0.72	0.13	0.48	0.37	0.29
2	20	366	2.81	-3.31	-1.08	0.58	2.94	0.24	8.67e-02	0.17	0.16	7.75e-02
2	20	367	2.80	-2.84	-0.89	0.84	2.68	5.76e-02	-4.69e-03	9.91e-03	4.30e-02	-2.64e-02
2	20	368	3.08	-1.93	-0.23	1.38	2.37	-2.55e-03	-0.21	-0.19	-2.49e-02	-6.50e-02
2	20	369	2.77	-1.33	-1.46e-02	1.46	1.91	2.83e-02	-0.10	-3.52e-02	-3.78e-02	-6.48e-02
2	20	370	1.66	6.35e-02	0.36	1.36	0.62	6.11e-02	-7.73e-02	-1.31e-02	-3.06e-03	-6.90e-02
2	20	371	3.69	6.33e-02	1.07	2.68	-1.62	4.14e-02	-0.13	-0.13	4.13e-02	4.30e-03
2	20	372	0.81	-4.40	-1.46	-2.14	2.58	3.30	-0.12	1.61	1.57	1.71
2	20	373	1.69	-4.08	-0.97	-1.41	2.88	2.03	2.47e-02	1.07	0.98	1.00
2	20	374	2.09	-3.90	-0.75	-1.05	2.99	1.14	9.94e-02	0.64	0.60	0.52
2	20	375	2.28	-3.64	-0.61	-0.76	2.96	0.50	6.48e-02	0.31	0.26	0.22
2	20	376	2.32	-3.36	-0.52	-0.53	2.84	0.15	2.05e-02	0.13	4.00e-02	4.60e-02
2	20	377	2.33	-2.67	-0.19	-0.15	2.50	3.53e-02	-6.40e-02	-4.44e-02	1.57e-02	-3.96e-02
2	20	378	2.72	-1.63	0.51	0.57	2.18	-5.20e-02	-0.19	-0.12	-0.12	-6.94e-02
2	20	379	2.41	-1.08	0.68	0.66	1.74	-2.98e-03	-0.15	-4.58e-02	-0.10	-6.52e-02
2	20	380	2.35	-0.22	1.09	1.03	1.29	-6.67e-02	-0.15	-0.11	-0.11	-4.24e-02
2	20	381	3.99	-0.12	1.99	1.89	-2.05	-6.38e-02	-0.16	-6.39e-02	-0.16	3.62e-03
2	20	382	0.80	-4.85	-0.82	-3.23	2.56	3.98	-0.30	1.34	2.33	2.08
2	20	383	1.77	-4.56	-0.38	-2.41	3.00	2.55	1.92e-02	0.98	1.59	1.23
2	20	384	2.53	-4.15	3.39e-02	-1.65	3.23	1.40	6.66e-02	0.59	0.87	0.65
2	20	385	2.78	-3.87	0.20	-1.29	3.24	0.68	9.07e-02	0.32	0.45	0.29
2	20	386	2.90	-3.50	0.46	-1.06	3.11	0.20	3.83e-02	0.10	0.13	7.69e-02
2	20	387	2.89	-2.83	0.78	-0.72	2.76	2.61e-03	-5.76e-02	-1.59e-02	-3.91e-02	-2.78e-02
2	20	388	2.91	-1.97	1.16	-0.22	2.34	-7.56e-02	-0.21	-0.14	-0.15	-6.72e-02
2	20	389	2.57	-1.30	1.28	-1.42e-02	1.83	2.20e-03	-0.19	-0.16	-2.50e-02	-6.74e-02
2	20	390	1.86	-0.27	1.23	0.36	0.97	0.11	-0.20	-7.72e-02	-5.20e-03	-0.15
2	20	391	2.77	0.32	2.19	0.90	-1.04	9.24e-03	-2.82e-02	6.07e-03	-2.50e-02	-1.04e-02
2	20	392	1.42	-5.55	6.99e-02	-4.19	2.76	4.55	-0.58	0.73	3.25	2.23
2	20	393	2.18	-5.24	0.31	-3.37	3.22	3.03	-3.85e-02	0.71	2.28	1.32
2	20	394	2.64	-4.91	0.46	-2.73	3.42	1.78	0.13	0.51	1.39	0.70
2	20	395	3.05	-4.48	0.62	-2.06	3.52	0.85	0.13	0.31	0.67	0.31
2	20	396	3.23	-3.99	0.92	-1.68	3.36	0.30	9.48e-02	0.16	0.24	9.42e-02
2	20	397	3.52	-3.04	1.53	-1.06	3.01	-2.41e-02	-5.94e-02	-3.96e-02	-4.38e-02	-1.75e-02
2	20	398	3.27	-2.36	1.67	-0.76	2.54	-4.35e-02	-0.19	-0.15	-7.93e-02	-6.23e-02
2	20	399	3.00	-1.48	1.85	-0.33	1.96	-5.15e-02	-0.19	-0.12	-0.12	-6.80e-02
2	20	400	2.26	-0.36	1.86	4.27e-02	0.94	0.11	-0.15	-3.40e-02	-8.30e-03	-0.13
2	20	401	2.81	0.14	2.69	0.25	-0.54	8.79e-02	-5.62e-02	1.71e-02	1.46e-02	-7.21e-02
2	20	402	2.29	-6.63	0.79	-5.13	3.33	5.00	-0.88	-0.11	4.23	1.98
2	20	403	2.94	-6.06	0.91	-4.03	3.76	3.40	-0.14	0.29	2.97	1.16
2	20	404	3.35	-5.57	1.00	-3.21	3.93	2.02	0.10	0.32	1.80	0.61
2	20	405	3.63	-5.04	1.18	-2.59	3.91	1.03	0.14	0.24	0.94	0.28
2	20	406	3.72	-4.38	1.39	-2.05	3.66	0.41	0.11	0.14	0.38	8.61e-02
2	20	407	3.75	-3.54	1.68	-1.46	3.29	6.21e-02	2.78e-02	3.34e-02	5.65e-02	-1.27e-02
2	20	408	3.55	-2.68	1.84	-0.96	2.78	1.50e-02	-0.12	-1.40e-02	-9.07e-02	-5.54e-02
2	20	409	3.09	-1.76	1.95	-0.62	2.05	6.75e-03	-0.14	-3.47e-02	-9.81e-02	-6.59e-02

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2	20	410	2.50	-0.58	2.10	-0.19	1.03	7.81e-02	-0.14	-3.95e-02	-1.90e-02	-0.11
2	20	411	2.97	-0.13	2.97	-0.13	-6.45e-02	4.18e-02	-8.99e-05	2.64e-02	1.53e-02	-2.02e-02
2	20	412	3.39	-7.67	1.40	-5.68	4.25	5.28	-1.07	-0.83	5.04	1.22
2	20	413	3.88	-6.88	1.40	-4.40	4.53	3.65	-0.21	-7.07e-02	3.52	0.71
2	20	414	4.17	-6.22	1.41	-3.46	4.59	2.20	0.10	0.17	2.13	0.37
2	20	415	4.36	-5.52	1.57	-2.73	4.44	1.14	0.13	0.16	1.11	0.17
2	20	416	4.28	-4.80	1.62	-2.14	4.14	0.48	0.11	0.12	0.47	4.79e-02
2	20	417	4.05	-4.00	1.68	-1.64	3.67	0.13	6.47e-02	6.91e-02	0.13	-1.62e-02
2	20	418	3.75	-3.02	1.86	-1.13	3.04	5.00e-02	-5.81e-02	2.11e-02	-2.91e-02	-4.79e-02
2	20	419	3.21	-1.99	1.96	-0.74	2.22	4.55e-02	-8.85e-02	6.20e-03	-4.92e-02	-6.10e-02
2	20	420	2.57	-0.83	2.06	-0.32	1.21	7.06e-02	-9.13e-02	5.10e-03	-2.57e-02	-7.95e-02
2	20	421	2.73	-0.18	2.62	-7.68e-02	0.54	0.13	-8.12e-02	3.32e-02	1.53e-02	-0.11
2	20	422	4.51	-8.41	1.73	-5.63	5.31	5.38	-1.17	-1.17	5.38	8.19e-02
2	20	423	4.81	-7.48	1.66	-4.33	5.37	3.75	-0.23	-0.23	3.75	4.47e-02
2	20	424	4.96	-6.70	1.64	-3.37	5.27	2.28	8.76e-02	8.77e-02	2.28	2.01e-02
2	20	425	4.96	-5.94	1.65	-2.63	5.01	1.20	0.15	0.15	1.20	2.31e-03
2	20	426	4.81	-5.14	1.70	-2.03	4.61	0.52	0.12	0.12	0.52	-1.27e-02
2	20	427	4.50	-4.26	1.76	-1.52	4.05	0.17	6.62e-02	7.38e-02	0.16	-2.70e-02
2	20	428	4.03	-3.26	1.85	-1.09	3.34	7.35e-02	-1.42e-02	4.53e-02	1.40e-02	-4.10e-02
2	20	429	3.41	-2.15	1.95	-0.69	2.44	6.84e-02	-4.87e-02	3.42e-02	-1.45e-02	-5.33e-02
2	20	430	2.68	-0.96	2.06	-0.34	1.37	7.62e-02	-4.06e-02	3.46e-02	9.68e-04	-5.59e-02
2	20	431	2.41	-0.37	2.17	-0.12	0.79	8.11e-02	-2.25e-02	3.80e-02	2.07e-02	-5.11e-02
2	20	432	5.46	-8.68	1.75	-4.97	6.22	5.29	-1.10	-0.91	5.11	-1.08
2	20	433	5.59	-7.74	1.66	-3.81	6.08	3.68	-0.20	-9.64e-02	3.57	-0.63
2	20	434	5.64	-6.93	1.66	-2.94	5.85	2.24	8.58e-02	0.14	2.18	-0.34
2	20	435	5.46	-6.17	1.55	-2.27	5.49	1.19	0.16	0.19	1.16	-0.17
2	20	436	5.24	-5.33	1.61	-1.71	5.02	0.54	0.12	0.13	0.52	-7.70e-02
2	20	437	4.88	-4.43	1.69	-1.25	4.41	0.20	6.79e-02	8.21e-02	0.18	-4.03e-02
2	20	438	4.29	-3.51	1.70	-0.92	3.68	9.82e-02	2.76e-02	6.83e-02	5.75e-02	-3.49e-02
2	20	439	3.63	-2.39	1.79	-0.55	2.77	8.96e-02	-4.10e-03	6.10e-02	2.46e-02	-4.32e-02
2	20	440	2.84	-1.22	1.90	-0.28	1.71	9.86e-02	-7.60e-04	6.38e-02	3.41e-02	-4.74e-02
2	20	441	2.13	-0.62	1.64	-0.13	1.05	0.13	-7.02e-02	4.21e-02	2.13e-02	-0.10
2	20	442	6.12	-8.50	1.57	-3.95	6.77	5.03	-0.86	-0.17	4.34	-1.89
2	20	443	6.13	-7.63	1.51	-3.01	6.50	3.45	-0.12	0.27	3.06	-1.12
2	20	444	6.09	-6.84	1.53	-2.28	6.18	2.09	0.12	0.33	1.88	-0.60
2	20	445	5.88	-6.11	1.47	-1.69	5.78	1.12	0.15	0.25	1.02	-0.29
2	20	446	5.50	-5.33	1.40	-1.23	5.25	0.51	0.11	0.16	0.47	-0.13
2	20	447	4.93	-4.62	1.28	-0.97	4.64	0.23	0.10	0.13	0.21	-5.01e-02
2	20	448	4.36	-3.79	1.31	-0.73	3.94	0.14	7.86e-02	9.93e-02	0.12	-2.91e-02
2	20	449	3.67	-2.70	1.39	-0.41	3.05	0.13	6.35e-02	9.80e-02	9.32e-02	-3.20e-02
2	20	450	2.86	-1.50	1.51	-0.14	2.02	0.16	-2.97e-02	0.11	2.57e-02	-8.69e-02
2	20	451	1.52	-0.53	0.83	0.15	0.97	4.98e-02	1.75e-02	4.60e-02	2.13e-02	-1.04e-02
2	20	452	6.49	-7.96	1.38	-2.84	6.91	4.59	-0.61	0.62	3.37	-2.21
2	20	453	6.43	-7.20	1.33	-2.11	6.60	3.10	-3.50e-02	0.68	2.38	-1.32
2	20	454	6.29	-6.47	1.36	-1.53	6.22	1.86	0.14	0.52	1.48	-0.72
2	20	455	6.09	-5.94	1.38	-1.24	5.87	1.03	0.16	0.34	0.85	-0.35
2	20	456	5.69	-5.24	1.26	-0.81	5.36	0.50	0.12	0.19	0.43	-0.15
2	20	457	4.83	-4.75	0.83	-0.74	4.73	0.29	0.17	0.20	0.26	-5.27e-02
2	20	458	4.29	-3.87	0.87	-0.44	4.03	0.19	0.12	0.18	0.13	-2.34e-02
2	20	459	3.63	-2.86	0.92	-0.15	3.20	0.13	8.56e-02	0.12	9.97e-02	-2.16e-02
2	20	460	2.88	-1.72	1.08	7.95e-02	2.25	0.13	-6.91e-02	3.84e-02	2.64e-02	-0.10
2	20	461	1.09	-0.62	0.31	0.16	0.85	4.92e-02	2.74e-02	4.87e-02	2.79e-02	-3.16e-03
2	20	462	6.58	-7.26	1.18	-1.86	6.75	4.03	-0.35	1.25	2.43	-2.11
2	20	463	6.36	-6.80	1.08	-1.52	6.45	2.69	5.80e-02	0.99	1.76	-1.26
2	20	464	6.05	-6.42	0.98	-1.36	6.12	1.66	0.19	0.67	1.19	-0.69
2	20	465	5.89	-5.71	1.14	-0.96	5.70	0.88	0.17	0.40	0.65	-0.33
2	20	466	5.39	-5.10	0.93	-0.65	5.19	0.46	0.16	0.26	0.36	-0.14
2	20	467	4.76	-4.42	0.77	-0.43	4.55	0.25	0.14	0.16	0.22	-4.82e-02
2	20	468	4.04	-3.75	0.57	-0.28	3.87	0.20	0.16	0.19	0.17	-1.83e-02
2	20	469	3.50	-2.86	0.57	7.31e-02	3.17	0.20	3.63e-02	0.20	3.75e-02	-1.41e-02
2	20	470	2.86	-1.92	0.69	0.25	2.38	0.21	-3.92e-02	0.12	4.48e-02	-0.12
2	20	471	0.75	-0.68	9.81e-02	-2.55e-02	0.71	4.90e-02	3.27e-02	4.80e-02	3.37e-02	3.98e-03
2	20	472	6.46	-6.63	1.09	-1.26	6.44	3.42	-0.14	1.55	1.73	-1.78
2	20	473	6.12	-6.24	1.02	-1.13	6.09	2.27	0.14	1.10	1.30	-1.06
2	20	474	5.82	-5.68	1.01	-0.86	5.68	1.33	0.16	0.69	0.80	-0.58

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2	20	475	5.55	-5.02	1.14	-0.61	5.21	0.73	0.17	0.41	0.49	-0.28
2	20	476	5.22	-4.44	1.17	-0.40	4.77	0.39	0.14	0.21	0.32	-0.12
2	20	477	4.63	-3.84	1.03	-0.24	4.19	0.18	7.76e-02	0.16	9.70e-02	-4.07e-02
2	20	478	3.71	-3.62	0.50	-0.40	3.64	0.17	0.12	0.12	0.16	-1.55e-02
2	20	479	3.09	-2.88	0.30	-0.10	2.98	0.14	6.14e-02	6.30e-02	0.14	-1.14e-02
2	20	480	2.32	-2.37	1.25e-02	-5.80e-02	2.34	0.15	0.13	0.14	0.14	-6.82e-03
2	20	481	-0.33	-1.25	-0.76	-0.82	-0.46	0.21	0.11	0.11	0.21	1.80e-02
2	20	482	6.51	-6.73	1.37	-1.59	6.45	4.05	-0.39	2.29	1.38	-2.17
2	20	483	5.95	-6.43	1.08	-1.57	6.05	2.72	5.40e-02	1.65	1.12	-1.30
2	20	484	5.58	-5.91	1.01	-1.34	5.62	1.62	0.17	1.03	0.76	-0.72
2	20	485	5.15	-5.44	0.93	-1.23	5.18	0.87	0.14	0.61	0.41	-0.35
2	20	486	4.83	-4.81	1.01	-1.00	4.71	0.39	8.29e-02	0.28	0.19	-0.15
2	20	487	4.35	-4.13	1.02	-0.80	4.14	0.16	5.30e-02	0.11	9.77e-02	-5.11e-02
2	20	488	3.49	-3.84	0.53	-0.89	3.60	0.20	5.08e-02	0.20	5.31e-02	-1.83e-02
2	20	489	2.87	-3.11	0.42	-0.67	2.94	5.54e-02	2.84e-02	4.27e-02	4.11e-02	-1.35e-02
2	20	490	1.45	-1.57	0.19	-0.31	1.49	4.39e-02	3.47e-02	3.82e-02	4.04e-02	-4.48e-03
2	20	491	-0.22	-1.79	-0.41	-1.59	-0.51	0.14	5.40e-02	0.14	5.72e-02	1.67e-02
2	20	492	6.46	-6.67	1.66	-1.87	6.32	4.64	-0.68	3.22	0.74	-2.35
2	20	493	5.92	-6.25	1.33	-1.67	5.90	3.15	-8.80e-02	2.34	0.73	-1.41
2	20	494	5.37	-5.88	1.08	-1.59	5.46	1.91	0.11	1.47	0.55	-0.77
2	20	495	4.85	-5.46	0.90	-1.52	5.01	1.02	0.13	0.81	0.34	-0.38
2	20	496	4.28	-4.97	0.82	-1.51	4.48	0.48	9.60e-02	0.40	0.18	-0.16
2	20	497	3.64	-4.49	0.70	-1.55	3.91	0.20	6.60e-02	0.17	9.95e-02	-5.86e-02
2	20	498	3.02	-3.89	0.62	-1.50	3.29	0.21	5.00e-02	5.34e-02	0.21	-2.34e-02
2	20	499	2.12	-3.65	0.17	-1.71	2.73	0.21	0.13	0.13	0.21	-1.94e-02
2	20	500	0.72	-2.32	1.52e-02	-1.62	1.28	0.22	1.70e-02	1.77e-02	0.22	-1.15e-02
2	20	501	-0.14	-1.82	-0.16	-1.80	0.18	0.21	-0.16	2.94e-03	5.41e-02	-0.18
2	20	502	6.98	-6.27	2.40	-1.69	6.30	5.09	-0.99	4.25	-0.15	-2.10
2	20	503	6.28	-5.93	1.91	-1.56	5.85	3.54	-0.19	3.06	0.29	-1.25
2	20	504	5.61	-5.58	1.53	-1.50	5.39	2.17	9.07e-02	1.91	0.35	-0.68
2	20	505	4.91	-5.23	1.23	-1.54	4.87	1.17	0.14	1.04	0.26	-0.34
2	20	506	4.18	-4.83	0.98	-1.63	4.32	0.54	0.11	0.49	0.17	-0.15
2	20	507	3.42	-4.39	0.77	-1.74	3.70	0.21	8.00e-02	0.18	0.12	-5.89e-02
2	20	508	2.70	-3.86	0.65	-1.81	3.04	8.10e-02	1.45e-02	3.40e-02	6.15e-02	-3.03e-02
2	20	509	1.90	-3.35	0.50	-1.95	2.33	5.68e-02	-1.85e-02	-4.48e-03	4.28e-02	-2.93e-02
2	20	510	0.61	-2.81	8.93e-02	-2.29	1.23	6.05e-02	1.54e-02	4.19e-02	3.41e-02	-2.22e-02
2	20	511	0.20	-2.78	0.15	-2.73	0.36	5.08e-02	-6.12e-03	-6.78e-04	4.53e-02	-1.67e-02
2	20	512	7.84	-6.14	3.33	-1.62	6.53	5.37	-1.24	5.10	-0.97	-1.31
2	20	513	6.88	-5.83	2.59	-1.54	6.01	3.80	-0.27	3.64	-0.12	-0.77
2	20	514	6.02	-5.52	2.05	-1.55	5.48	2.35	7.21e-02	2.27	0.15	-0.42
2	20	515	5.18	-5.18	1.63	-1.64	4.92	1.26	0.14	1.22	0.18	-0.21
2	20	516	4.32	-4.81	1.28	-1.77	4.30	0.57	0.12	0.55	0.15	-9.88e-02
2	20	517	3.45	-4.36	0.99	-1.90	3.63	0.20	7.03e-02	0.18	9.29e-02	-4.99e-02
2	20	518	2.54	-3.90	0.73	-2.10	2.89	7.95e-02	-8.57e-03	1.28e-02	5.81e-02	-3.77e-02
2	20	519	1.61	-3.43	0.49	-2.32	2.10	5.92e-02	-5.18e-02	-3.26e-02	4.00e-02	-4.20e-02
2	20	520	0.69	-2.94	0.25	-2.50	1.18	0.12	-0.12	-2.97e-02	2.97e-02	-0.11
2	20	521	0.30	-3.24	0.19	-3.14	0.60	4.25e-02	-2.34e-02	-1.44e-04	1.92e-02	-3.15e-02
2	32	1	5.51	-8.53	-0.13	-2.88	-6.88	4.63	-0.77	1.76	2.10	2.69
2	32	2	5.15	-10.15	-0.26	-4.74	-7.32	5.44	-1.20	1.32	2.91	3.23
2	32	3	5.40	-11.41	-1.28	-4.74	-8.23	6.11	-2.22	1.81	2.07	4.16
2	32	4	5.05	-9.62	-1.75	-2.81	-7.32	5.45	-1.23	2.73	1.49	3.28
2	32	5	5.73	-12.05	-2.52	-3.79	-8.87	6.41	-3.53	2.65	0.22	4.82
2	32	6	5.28	-9.69	-2.49	-1.93	-7.48	5.98	-1.98	3.74	0.26	3.58
2	32	7	5.87	-11.91	-3.71	-2.34	-8.87	6.34	-4.99	3.83	-2.48	4.70
2	32	8	5.24	-9.30	-2.99	-1.08	-7.21	6.30	-2.74	4.91	-1.35	3.26
2	32	9	5.76	-10.54	-3.90	-0.88	-8.01	6.05	-6.23	5.12	-5.30	3.25
2	32	10	5.19	-8.22	-2.77	-0.26	-6.59	6.43	-3.36	5.94	-2.87	2.13
2	32	11	6.20	-8.25	-2.33	0.27	-7.11	5.84	-6.85	5.82	-6.83	0.48
2	32	12	5.48	-6.83	-1.69	0.35	-6.07	6.45	-3.66	6.44	-3.66	0.31
2	32	13	7.73	-6.64	-0.23	1.32	-7.14	5.93	-6.55	5.41	-6.03	-2.50
2	32	14	6.33	-5.79	-0.37	0.90	-6.03	6.43	-3.52	6.16	-3.25	-1.61
2	32	15	9.28	-6.00	0.71	2.57	-7.58	6.21	-5.44	4.18	-3.41	-4.42
2	32	16	7.34	-5.30	0.47	1.57	-6.30	6.32	-2.95	5.22	-1.85	-3.00
2	32	17	9.81	-5.69	0.54	3.58	-7.60	6.36	-4.01	2.87	-0.52	-4.90
2	32	18	8.03	-5.06	0.66	2.32	-6.49	6.06	-2.21	4.03	-0.18	-3.56

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2	32	19	9.58	-5.40	-7.33e-03	4.20	-7.19	6.15	-2.68	1.92	1.55	-4.41
2	32	20	8.16	-4.91	0.46	2.79	-6.43	5.57	-1.50	2.93	1.14	-3.42
2	32	21	8.79	-5.09	-0.50	4.21	-6.53	5.57	-1.55	1.36	2.66	-3.50
2	32	22	7.41	-5.30	-0.61	2.73	-6.13	4.97	-0.84	2.28	1.85	-2.90
2	32	23	5.53	-11.26	1.03	-6.76	-7.43	5.97	-1.89	0.12	3.96	3.43
2	32	24	5.67	-13.24	-0.26	-7.31	-8.78	6.43	-3.46	-3.49e-02	3.00	4.70
2	32	25	6.48	-14.73	-1.45	-6.80	-10.26	6.25	-5.60	0.10	0.55	5.92
2	32	26	6.95	-15.96	-3.91	-5.10	-11.44	5.34	-8.25	0.81	-3.71	6.41
2	32	27	6.68	-14.77	-5.69	-2.40	-10.60	4.01	-10.84	2.14	-8.97	4.93
2	32	28	7.15	-10.26	-3.35	0.25	-8.51	3.21	-12.16	3.17	-12.13	0.71
2	32	29	10.81	-7.59	0.41	2.82	-9.12	3.64	-11.53	2.55	-10.45	-3.90
2	32	30	12.69	-6.91	0.81	4.97	-9.58	4.87	-9.24	1.00	-5.36	-6.30
2	32	31	12.27	-6.38	-0.35	6.24	-8.73	5.92	-6.50	8.69e-03	-0.59	-6.21
2	32	32	11.41	-5.65	-0.86	6.63	-7.66	6.31	-4.14	-0.19	2.36	-5.07
2	32	33	9.98	-5.48	-1.67	6.17	-6.66	6.04	-2.35	-1.96e-02	3.72	-3.76
2	32	34	5.20	-12.27	1.88	-8.96	-6.85	6.30	-2.60	-1.42	5.12	3.02
2	32	35	5.72	-14.86	1.42	-10.57	-8.36	6.40	-4.83	-2.67	4.24	4.42
2	32	36	6.47	-17.81	0.37	-11.71	-10.53	5.46	-8.11	-4.13	1.47	6.18
2	32	37	8.28	-20.99	-1.27	-11.44	-13.72	3.13	-12.79	-5.19	-4.47	7.95
2	32	38	10.17	-27.49	-7.95	-9.37	-18.82	-0.56	-17.77	-4.64	-13.69	7.32
2	32	39	6.22	-12.25	-6.02	-7.25e-03	-8.73	-2.98	-21.29	-3.03	-21.24	0.96
2	32	40	22.51	-10.52	2.15	9.84	-16.06	-2.03	-20.31	-4.67	-17.67	-6.42
2	32	41	17.52	-7.87	-1.18	10.82	-11.19	1.75	-14.78	-6.00	-7.03	-8.25
2	32	42	15.34	-6.45	-1.80	10.69	-8.92	4.65	-9.50	-4.87	2.01e-02	-6.64
2	32	43	13.19	-5.75	-2.33	9.78	-7.28	6.09	-5.69	-3.19	3.59	-4.81
2	32	44	11.17	-5.15	-2.38	8.40	-6.13	6.29	-3.16	-1.79	4.91	-3.33
2	32	45	4.61	-12.63	2.68	-10.69	-5.44	6.45	-3.17	-2.81	6.09	1.83
2	32	46	4.97	-15.77	2.63	-13.43	-6.56	6.20	-5.95	-5.26	5.51	2.82
2	32	47	5.66	-19.95	2.60	-16.89	-8.30	4.31	-10.51	-9.10	2.90	4.35
2	32	48	6.98	-25.87	2.46	-21.35	-11.31	-0.17	-17.93	-14.72	-3.37	6.83
2	32	49	12.66	-28.78	5.93	-22.06	-15.28	-9.21	-32.70	-21.08	-20.84	11.74
2	32	50	8.08	-20.27	-10.66	-1.53	-13.42	-13.38	-38.41	-13.45	-38.34	1.36
2	32	51	26.61	-10.77	-7.82	23.66	-10.08	-12.85	-35.72	-24.02	-24.56	-11.43
2	32	52	22.63	-7.00	-4.13	19.76	-8.76	-2.86	-20.43	-16.69	-6.60	-7.19
2	32	53	18.02	-5.76	-3.62	15.88	-6.81	3.12	-12.03	-10.40	1.50	-4.68
2	32	54	14.53	-5.06	-3.32	12.79	-5.57	5.66	-6.95	-6.14	4.86	-3.08
2	32	55	11.84	-4.57	-3.04	10.31	-4.78	6.36	-3.79	-3.37	5.94	-2.02
2	32	56	3.85	-12.06	3.04	-11.25	-3.49	6.49	-3.39	-3.39	6.49	3.69e-02
2	32	57	3.98	-15.21	3.21	-14.44	-3.75	6.06	-6.40	-6.40	6.06	5.60e-02
2	32	58	4.19	-19.66	3.48	-18.94	-4.07	3.82	-11.47	-11.47	3.82	8.84e-02
2	32	59	3.56	-27.61	2.86	-26.91	-4.63	-1.91	-20.31	-20.31	-1.91	0.12
2	32	60	-4.96	-45.05	-6.05	-43.96	-6.53	-8.88	-37.08	-37.07	-8.89	0.28
2	32	61	6.35	-0.66	2.84	2.84	-3.51	-90.13	-90.15	-90.14	-90.14	1.06e-02
2	32	62	40.39	2.68	2.69	40.38	-0.42	-19.57	-40.40	-40.39	-19.58	-0.33
2	32	63	26.24	-4.05	-3.89	26.08	-2.20	-4.66	-22.62	-22.62	-4.66	-0.13
2	32	64	18.87	-4.41	-4.11	18.57	-2.62	2.28	-13.05	-13.05	2.28	-9.93e-02
2	32	65	14.66	-4.10	-3.67	14.24	-2.78	5.46	-7.44	-7.43	5.46	-6.57e-02
2	32	66	11.71	-3.79	-3.26	11.18	-2.82	6.36	-4.03	-4.03	6.36	-4.62e-02
2	32	67	3.01	-10.59	2.83	-10.40	-1.57	6.45	-3.18	-2.85	6.12	-1.76
2	32	68	2.97	-13.09	2.91	-13.02	-1.01	6.19	-5.98	-5.34	5.54	-2.73
2	32	69	3.13	-16.29	3.13	-16.29	9.33e-02	4.27	-10.55	-9.23	2.95	-4.22
2	32	70	3.84	-20.54	3.68	-20.38	1.94	-0.26	-18.04	-15.00	-3.30	-6.69
2	32	71	8.94	-23.69	8.55	-23.29	3.58	-9.65	-33.03	-21.61	-21.07	-11.69
2	32	72	10.62	-5.38	7.08	-1.84	6.64	-14.93	-39.20	-15.01	-39.12	-1.36
2	32	73	25.30	-7.46	-5.26	23.10	8.21	-13.38	-36.06	-24.59	-24.84	11.34
2	32	74	21.85	-3.79	-2.92	20.98	4.65	-3.04	-20.46	-16.98	-6.52	6.96
2	32	75	16.72	-3.23	-3.09	16.57	1.71	3.06	-12.05	-10.53	1.55	4.53
2	32	76	13.25	-3.04	-3.04	13.25	7.89e-02	5.64	-6.97	-6.22	4.89	2.97
2	32	77	10.68	-2.93	-2.88	10.63	-0.82	6.35	-3.80	-3.41	5.97	1.94
2	32	78	2.21	-8.52	2.21	-8.52	-0.26	6.31	-2.63	-1.48	5.16	-2.99
2	32	79	2.04	-10.05	2.00	-10.02	0.66	6.39	-4.87	-2.78	4.29	-4.38
2	32	80	1.83	-11.44	1.47	-11.08	2.16	5.41	-8.21	-4.32	1.52	-6.15
2	32	81	2.25	-12.68	0.83	-11.26	4.38	2.88	-12.96	-5.55	-4.52	-7.90
2	32	82	3.50	-16.46	-2.62	-10.33	9.20	-1.00	-18.23	-5.21	-14.02	-7.41
2	32	83	5.80	-1.62	5.20	-1.02	2.02	-3.49	-21.74	-3.54	-21.69	-0.98

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2	32	84	20.34	-3.96	7.41	8.96	12.13	-2.51	-20.76	-5.25	-18.02	6.52
2	32	85	14.68	-2.65	0.88	11.15	6.98	1.60	-15.07	-6.37	-7.10	8.33
2	32	86	12.62	-1.91	-0.74	11.45	3.96	4.56	-9.56	-5.07	7.11e-02	6.57
2	32	87	10.70	-2.04	-1.74	10.40	1.92	6.05	-5.71	-3.30	3.64	4.75
2	32	88	8.93	-2.08	-2.04	8.90	0.62	6.28	-3.17	-1.84	4.95	3.28
2	32	89	1.55	-6.32	1.54	-6.32	0.25	5.99	-1.92	6.21e-02	4.00	-3.43
2	32	90	0.77	-6.99	0.63	-6.85	1.03	6.43	-3.51	-0.13	3.04	-4.71
2	32	91	0.58	-7.07	6.29e-02	-6.56	1.92	6.19	-5.72	-6.51e-02	0.54	-5.95
2	32	92	0.14	-6.62	-1.12	-5.35	2.63	5.19	-8.47	0.55	-3.83	-6.47
2	32	93	0.46	-4.57	-0.79	-3.32	2.18	3.80	-11.10	1.89	-9.19	-4.98
2	32	94	3.59	-1.48	2.99	-0.88	1.64	2.96	-12.42	2.93	-12.39	-0.71
2	32	95	7.78	-0.50	5.34	1.93	3.77	3.43	-11.79	2.31	-10.67	3.98
2	32	96	8.91	-0.55	3.57	4.78	4.69	4.71	-9.47	0.73	-5.49	6.37
2	32	97	8.41	-0.67	1.18	6.57	3.65	5.84	-6.62	-0.16	-0.61	6.22
2	32	98	7.86	-0.68	2.12e-02	7.16	2.35	6.28	-4.17	-0.29	2.40	5.05
2	32	99	6.88	-1.32	-1.14	6.69	1.23	6.04	-2.36	-6.91e-02	3.76	3.74
2	32	100	0.43	-4.38	0.43	-4.38	0.12	5.45	-1.25	1.27	2.94	-3.25
2	32	101	-6.88e-02	-4.46	-0.14	-4.38	0.56	6.11	-2.29	1.73	2.09	-4.20
2	32	102	-0.52	-4.05	-0.72	-3.84	0.83	6.38	-3.64	2.53	0.20	-4.87
2	32	103	-0.68	-3.14	-0.91	-2.91	0.72	6.27	-5.13	3.70	-2.56	-4.76
2	32	104	5.13e-02	-1.78	1.23e-02	-1.74	0.26	5.95	-6.40	5.00	-5.45	-3.29
2	32	105	2.14	-0.75	2.12	-0.73	0.26	5.72	-7.02	5.70	-7.01	-0.48
2	32	106	4.11	5.92e-02	3.70	0.47	1.22	5.83	-6.72	5.29	-6.18	2.55
2	32	107	5.07	0.47	3.51	2.03	2.18	6.14	-5.58	4.05	-3.50	4.48
2	32	108	5.35	0.57	2.33	3.59	2.31	6.31	-4.11	2.75	-0.55	4.95
2	32	109	5.39	0.33	1.11	4.61	1.83	6.13	-2.73	1.83	1.57	4.43
2	32	110	4.94	-6.81e-02	0.20	4.68	1.12	5.57	-1.57	1.30	2.69	3.50
2	32	111	-3.51e-02	-2.96	-5.81e-02	-2.94	-0.26	4.71	-0.74	1.86	2.12	-2.72
2	32	112	-0.64	-2.89	-0.65	-2.88	-0.16	5.46	-1.29	2.67	1.49	-3.32
2	32	113	-0.73	-2.51	-0.77	-2.48	-0.24	5.97	-2.05	3.68	0.24	-3.62
2	32	114	-0.37	-1.96	-0.57	-1.76	-0.52	6.28	-2.84	4.85	-1.41	-3.31
2	32	115	0.66	-1.48	0.29	-1.11	-0.81	6.39	-3.47	5.89	-2.97	-2.16
2	32	116	1.85	-0.80	1.62	-0.57	-0.74	6.41	-3.78	6.40	-3.77	-0.31
2	32	117	2.70	6.06e-02	2.69	7.08e-02	-0.16	6.39	-3.62	6.11	-3.35	1.65
2	32	118	3.04	0.79	2.90	0.93	0.55	6.30	-3.05	5.17	-1.92	3.05
2	32	119	3.11	1.13	2.39	1.84	0.95	6.05	-2.29	3.98	-0.22	3.60
2	32	120	3.31	1.15	1.70	2.75	0.94	5.57	-1.55	2.88	1.13	3.45
2	32	121	3.24	0.51	0.73	3.03	0.74	4.94	-0.91	2.10	1.93	2.92
2	32	122	2.14	-1.46	1.24	-0.56	-1.55	5.46	-1.30	5.45	-1.29	-0.17
2	32	123	2.47	-0.67	1.99	-0.19	-1.13	5.39	-1.24	5.22	-1.07	1.06
2	32	124	2.41	-1.96	0.97	-0.52	-2.05	3.86	-0.28	3.86	-0.28	-9.01e-02
2	32	125	2.59	-1.32	1.55	-0.28	-1.73	3.80	-0.28	3.70	-0.18	0.63
2	32	126	2.55	-2.30	0.77	-0.52	-2.34	2.37	7.11e-02	2.37	7.19e-02	-4.42e-02
2	32	127	2.68	-1.79	1.24	-0.36	-2.08	2.34	6.57e-02	2.28	0.12	0.35
2	32	128	2.56	-2.49	0.62	-0.55	-2.46	1.26	0.14	1.26	0.14	-1.74e-02
2	32	129	2.60	-2.15	1.01	-0.56	-2.24	1.25	0.15	1.23	0.18	0.17
2	32	130	2.44	-2.55	0.49	-0.59	-2.44	0.55	0.12	0.55	0.12	-9.20e-04
2	32	131	2.46	-2.28	0.82	-0.63	-2.25	0.56	0.12	0.55	0.13	7.11e-02
2	32	132	2.19	-2.46	0.37	-0.65	-2.27	0.16	7.31e-02	0.16	7.44e-02	1.05e-02
2	32	133	2.20	-2.26	0.66	-0.72	-2.12	0.18	6.94e-02	0.17	7.60e-02	2.58e-02
2	32	134	1.79	-2.24	0.27	-0.72	-1.96	4.88e-02	-1.60e-02	-9.50e-03	4.23e-02	1.94e-02
2	32	135	1.74	-2.20	0.44	-0.90	-1.86	6.09e-02	1.62e-02	1.98e-02	5.72e-02	1.22e-02
2	32	136	1.26	-1.88	0.18	-0.80	-1.49	3.53e-02	-5.84e-02	-4.99e-02	2.68e-02	2.69e-02
2	32	137	1.22	-1.91	0.31	-1.00	-1.42	4.78e-02	-2.68e-02	-2.38e-02	4.48e-02	1.46e-02
2	32	138	0.58	-1.38	8.96e-02	-0.89	-0.85	3.81e-02	-4.48e-02	-2.91e-02	2.24e-02	3.25e-02
2	32	139	0.54	-1.51	0.15	-1.12	-0.81	5.05e-02	-1.39e-02	-7.24e-03	4.38e-02	1.96e-02
2	32	140	0.21	-1.14	5.39e-02	-0.99	-0.43	4.09e-02	-2.53e-02	-6.16e-03	2.18e-02	3.00e-02
2	32	141	9.39e-02	-1.61	3.56e-02	-1.56	-0.31	8.30e-02	-6.84e-02	-4.73e-03	1.93e-02	7.47e-02
2	32	142	2.39	0.24	2.25	0.39	-0.54	5.15	-1.00	4.45	-0.30	1.95
2	32	143	2.44	-0.53	1.79	0.12	-1.23	3.58	-0.18	3.18	0.22	1.17
2	32	144	2.52	-1.12	1.48	-6.88e-02	-1.65	2.19	9.93e-02	1.98	0.32	0.64
2	32	145	2.50	-1.58	1.25	-0.33	-1.88	1.17	0.14	1.07	0.25	0.31
2	32	146	2.29	-1.85	1.02	-0.58	-1.91	0.53	0.11	0.48	0.15	0.13
2	32	147	1.91	-2.11	0.71	-0.91	-1.84	0.20	9.68e-02	0.19	0.11	3.65e-02
2	32	148	1.49	-2.15	0.45	-1.10	-1.65	8.04e-02	6.84e-02	7.09e-02	7.79e-02	4.95e-03

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2	32	149	1.01	-1.92	0.32	-1.24	-1.24	7.05e-02	1.80e-02	1.81e-02	7.04e-02	2.26e-03
2	32	150	0.38	-1.57	0.15	-1.34	-0.63	0.10	-6.04e-02	-3.45e-02	7.71e-02	5.98e-02
2	32	151	0.15	-2.16	0.13	-2.14	0.20	2.50e-02	-4.24e-03	4.07e-03	1.67e-02	-1.32e-02
2	32	152	2.02	1.10	2.01	1.11	-7.92e-02	4.73	-0.70	3.44	0.60	2.32
2	32	153	2.10	0.25	1.69	0.66	-0.77	3.22	-9.23e-02	2.47	0.66	1.39
2	32	154	2.21	-0.41	1.45	0.35	-1.19	1.95	0.12	1.54	0.52	0.76
2	32	155	2.28	-0.86	1.29	0.13	-1.46	1.04	0.14	0.84	0.34	0.37
2	32	156	2.03	-1.38	0.96	-0.31	-1.58	0.50	0.11	0.43	0.18	0.15
2	32	157	1.45	-1.89	0.53	-0.97	-1.50	0.25	0.16	0.23	0.18	3.83e-02
2	32	158	1.16	-1.91	0.41	-1.16	-1.32	0.15	3.97e-02	3.98e-02	0.15	-2.42e-03
2	32	159	0.74	-1.81	0.26	-1.33	-1.00	8.12e-02	9.92e-03	1.09e-02	8.02e-02	-8.43e-03
2	32	160	0.13	-1.59	-2.73e-02	-1.43	-0.50	6.98e-02	-8.43e-02	-1.58e-02	1.29e-03	7.66e-02
2	32	161	7.63e-02	-2.42	-0.12	-2.22	0.68	2.90e-02	-4.80e-03	9.16e-03	1.51e-02	-1.66e-02
2	32	162	2.00	1.47	1.50	1.98	0.12	4.17	-0.43	2.46	1.29	2.22
2	32	163	1.74	0.75	1.19	1.30	-0.50	2.81	1.11e-02	1.81	1.01	1.34
2	32	164	1.70	-0.12	0.85	0.72	-0.91	1.74	0.17	1.22	0.68	0.74
2	32	165	1.62	-0.62	0.62	0.38	-1.11	0.92	0.15	0.67	0.40	0.36
2	32	166	1.39	-1.00	0.46	-7.31e-02	-1.17	0.44	0.15	0.34	0.25	0.14
2	32	167	1.03	-1.30	0.25	-0.52	-1.10	0.18	0.11	0.15	0.14	3.12e-02
2	32	168	0.59	-1.48	-1.02e-02	-0.88	-0.94	0.15	6.47e-02	6.57e-02	0.15	-9.14e-03
2	32	169	0.20	-1.52	-0.19	-1.13	-0.72	0.15	-2.57e-02	-2.44e-02	0.15	-1.55e-02
2	32	170	-0.32	-1.40	-0.48	-1.23	-0.39	0.14	-7.46e-02	-1.68e-02	8.15e-02	9.49e-02
2	32	171	-0.14	-2.39	-0.79	-1.73	1.02	3.36e-02	-4.94e-03	1.42e-02	1.45e-02	-1.93e-02
2	32	172	2.57	0.71	0.71	2.57	0.11	3.57	-0.19	1.74	1.63	1.88
2	32	173	2.05	0.18	0.24	2.00	-0.31	2.37	0.11	1.33	1.16	1.13
2	32	174	1.75	-0.18	3.63e-02	1.53	-0.61	1.41	0.18	0.82	0.76	0.62
2	32	175	1.57	-0.58	-0.17	1.16	-0.84	0.76	0.17	0.50	0.44	0.29
2	32	176	1.34	-0.70	-0.18	0.83	-0.89	0.29	6.70e-02	0.16	0.19	0.11
2	32	177	0.82	-0.91	-0.40	0.30	-0.79	0.13	3.96e-02	4.43e-02	0.13	2.04e-02
2	32	178	9.15e-02	-1.38	-0.90	-0.39	-0.69	8.23e-02	4.82e-02	5.44e-02	7.60e-02	-1.32e-02
2	32	179	-0.18	-1.30	-0.87	-0.61	-0.55	6.45e-02	-5.53e-02	6.19e-02	-5.27e-02	-1.76e-02
2	32	180	-0.71	-1.48	-1.10	-1.08	-0.38	7.64e-02	2.91e-02	7.29e-02	3.26e-02	-1.24e-02
2	32	181	0.45	-3.62	-1.59	-1.57	2.03	0.19	-5.81e-02	0.19	-5.43e-02	-3.04e-02
2	32	182	4.06	-3.17e-02	-2.34e-03	4.03	0.35	4.18	-0.46	1.35	2.37	2.26
2	32	183	3.24	-0.55	-0.55	3.23	-0.14	2.83	2.55e-02	1.13	1.73	1.37
2	32	184	2.45	-1.14	-1.10	2.41	-0.38	1.76	0.23	0.86	1.12	0.75
2	32	185	2.01	-1.44	-1.34	1.92	-0.58	0.90	0.16	0.48	0.59	0.36
2	32	186	1.79	-1.37	-1.18	1.59	-0.76	0.38	8.26e-02	0.18	0.28	0.14
2	32	187	1.35	-1.49	-1.28	1.14	-0.74	0.11	2.78e-02	4.43e-02	8.88e-02	3.17e-02
2	32	188	0.58	-2.00	-1.77	0.34	-0.74	0.11	-2.05e-02	-1.96e-02	0.11	-1.05e-02
2	32	189	0.15	-1.95	-1.79	-1.73e-02	-0.57	-2.57e-02	-6.17e-02	-3.71e-02	-5.03e-02	-1.68e-02
2	32	190	-0.38	-1.79	-1.68	-0.49	0.37	-1.75e-02	-5.25e-02	-2.95e-02	-4.05e-02	-1.66e-02
2	32	191	0.35	-4.02	-2.69	-0.98	2.01	0.13	-5.64e-02	-5.10e-02	0.12	-3.12e-02
2	32	192	5.51	-1.36	-1.33	5.49	0.40	4.76	-0.76	0.66	3.34	2.41
2	32	193	4.35	-1.49	-1.49	4.34	-0.13	3.27	-0.11	0.71	2.44	1.45
2	32	194	3.50	-1.69	-1.66	3.46	-0.44	1.99	9.66e-02	0.54	1.55	0.80
2	32	195	2.82	-1.99	-1.92	2.75	-0.59	1.06	0.13	0.34	0.86	0.39
2	32	196	2.20	-2.23	-2.13	2.10	-0.66	0.46	9.00e-02	0.17	0.38	0.16
2	32	197	1.71	-2.45	-2.36	1.62	-0.63	0.12	2.71e-02	5.03e-02	9.36e-02	3.94e-02
2	32	198	1.23	-2.70	-2.63	1.16	-0.52	0.15	-3.47e-02	0.15	-3.45e-02	-5.30e-03
2	32	199	0.26	-3.20	-3.11	0.17	-0.56	0.14	5.51e-02	0.14	5.69e-02	-1.25e-02
2	32	200	-0.22	-3.25	-3.21	-0.26	0.34	0.16	-3.98e-02	0.16	-3.89e-02	-1.38e-02
2	32	201	-0.10	-3.50	-3.13	-0.48	1.06	0.14	-0.19	-4.11e-02	-1.35e-02	0.16
2	32	202	7.00	-2.06	-2.06	7.00	-0.15	5.19	-1.07	-0.26	4.38	2.10
2	32	203	5.53	-2.15	-2.10	5.49	-0.59	3.64	-0.21	0.25	3.18	1.26
2	32	204	4.44	-2.35	-2.25	4.35	-0.81	2.25	8.32e-02	0.33	2.00	0.69
2	32	205	3.58	-2.55	-2.42	3.45	-0.89	1.21	0.14	0.26	1.10	0.34
2	32	206	2.84	-2.75	-2.61	2.70	-0.86	0.54	0.11	0.16	0.49	0.14
2	32	207	2.18	-2.96	-2.85	2.07	-0.77	0.15	3.83e-02	5.38e-02	0.14	3.90e-02
2	32	208	1.54	-3.25	-3.17	1.46	-0.61	1.53e-02	-2.65e-02	1.53e-02	-2.64e-02	1.81e-03
2	32	209	1.00	-3.48	-3.44	0.96	-0.43	-8.81e-03	-8.80e-02	-9.01e-03	-8.78e-02	-3.98e-03
2	32	210	0.18	-3.95	-3.95	0.18	8.18e-02	-2.96e-03	-2.05e-02	-1.55e-02	-8.03e-03	-7.95e-03
2	32	211	0.14	-4.27	-4.18	5.71e-02	0.61	-1.01e-02	-3.17e-02	-2.48e-02	-1.69e-02	-1.01e-02
2	32	212	8.27	-2.85	-2.70	8.12	-1.28	5.45	-1.32	-1.09	5.22	1.23
2	32	213	6.55	-2.85	-2.61	6.31	-1.48	3.89	-0.30	-0.17	3.76	0.73

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2	32	214	5.26	-2.95	-2.66	4.97	-1.52	2.42	6.56e-02	0.14	2.35	0.40
2	32	215	4.22	-3.08	-2.77	3.92	-1.45	1.31	0.14	0.18	1.27	0.20
2	32	216	3.33	-3.22	-2.95	3.06	-1.31	0.58	0.11	0.13	0.57	8.31e-02
2	32	217	2.53	-3.42	-3.21	2.32	-1.09	0.17	6.54e-02	7.42e-02	0.16	2.88e-02
2	32	218	1.81	-3.60	-3.47	1.67	-0.84	3.55e-02	-3.10e-02	3.40e-02	-2.96e-02	9.77e-03
2	32	219	1.13	-3.83	-3.77	1.07	-0.57	1.27e-02	-8.42e-02	1.20e-02	-8.35e-02	8.34e-03
2	32	220	0.49	-4.06	-4.04	0.48	-0.24	5.42e-02	-0.11	2.42e-03	-6.26e-02	7.77e-02
2	32	221	0.24	-4.64	-4.64	0.24	7.39e-02	-4.86e-03	-1.50e-02	-5.05e-03	-1.48e-02	-1.38e-03
2	32	222	9.11	-3.62	-2.99	8.47	-2.78	5.53	-1.42	-1.42	5.53	-2.80e-02
2	32	223	7.24	-3.53	-2.83	6.55	-2.65	3.97	-0.33	-0.33	3.97	-1.58e-02
2	32	224	5.84	-3.51	-2.82	5.14	-2.45	2.47	5.55e-02	5.55e-02	2.47	-7.20e-03
2	32	225	4.68	-3.55	-2.91	4.05	-2.20	1.33	0.14	0.14	1.33	-2.98e-04
2	32	226	3.69	-3.60	-3.06	3.15	-1.91	0.59	0.12	0.12	0.59	5.98e-03
2	32	227	2.80	-3.68	-3.27	2.38	-1.58	0.16	7.38e-02	7.55e-02	0.16	1.22e-02
2	32	228	1.99	-3.79	-3.52	1.71	-1.23	4.39e-02	-3.91e-02	3.98e-02	-3.49e-02	1.81e-02
2	32	229	1.25	-3.95	-3.80	1.10	-0.86	2.40e-02	-9.26e-02	1.95e-02	-8.80e-02	2.25e-02
2	32	230	0.60	-4.18	-4.12	0.54	-0.50	1.30e-02	-6.46e-02	9.60e-03	-6.12e-02	1.59e-02
2	32	231	0.27	-4.49	-4.47	0.25	-0.33	5.49e-03	-3.59e-02	4.34e-03	-3.48e-02	6.82e-03
2	32	232	9.38	-4.29	-2.81	7.90	-4.25	5.45	-1.33	-1.07	5.20	-1.28
2	32	233	7.53	-4.10	-2.69	6.12	-3.80	3.88	-0.30	-0.16	3.74	-0.76
2	32	234	6.11	-3.98	-2.69	4.81	-3.38	2.40	5.84e-02	0.13	2.33	-0.41
2	32	235	4.92	-3.93	-2.78	3.78	-2.97	1.28	0.14	0.17	1.25	-0.20
2	32	236	3.89	-3.90	-2.94	2.93	-2.56	0.55	0.12	0.13	0.54	-6.97e-02
2	32	237	2.96	-3.85	-3.10	2.21	-2.13	0.14	7.48e-02	7.50e-02	0.14	-3.29e-03
2	32	238	2.12	-3.86	-3.33	1.58	-1.70	4.42e-02	-5.23e-02	3.59e-02	-4.40e-02	2.71e-02
2	32	239	1.38	-3.93	-3.59	1.04	-1.29	2.68e-02	-0.10	1.58e-02	-9.26e-02	3.62e-02
2	32	240	0.72	-4.07	-3.89	0.54	-0.92	1.87e-02	-8.07e-02	8.06e-03	-7.00e-02	3.08e-02
2	32	241	0.39	-4.36	-4.23	0.27	-0.77	1.88e-02	-4.31e-02	9.61e-03	-3.40e-02	2.20e-02
2	32	242	9.10	-4.77	-2.30	6.63	-5.31	5.19	-1.08	-0.24	4.35	-2.13
2	32	243	7.40	-4.52	-2.28	5.16	-4.66	3.63	-0.23	0.25	3.15	-1.27
2	32	244	6.06	-4.32	-2.32	4.06	-4.09	2.22	7.22e-02	0.33	1.97	-0.69
2	32	245	4.92	-4.19	-2.45	3.18	-3.58	1.17	0.13	0.25	1.05	-0.33
2	32	246	3.92	-4.08	-2.61	2.45	-3.09	0.49	0.10	0.14	0.45	-0.12
2	32	247	3.01	-3.99	-2.81	1.83	-2.62	0.11	8.27e-02	8.67e-02	0.11	-1.04e-02
2	32	248	2.24	-3.85	-2.96	1.35	-2.15	4.14e-02	-6.65e-02	2.70e-02	-5.21e-02	3.67e-02
2	32	249	1.51	-3.82	-3.19	0.88	-1.72	2.34e-02	-0.13	6.67e-03	-0.11	4.76e-02
2	32	250	0.88	-3.86	-3.41	0.43	-1.39	1.70e-02	-0.10	3.45e-03	-8.76e-02	3.76e-02
2	32	251	0.45	-4.09	-3.71	7.30e-02	-1.26	3.18e-02	-2.95e-02	1.91e-02	-1.68e-02	2.48e-02
2	32	252	8.39	-5.05	-1.73	5.06	-5.80	4.77	-0.71	0.76	3.30	-2.42
2	32	253	6.93	-4.76	-1.79	3.95	-5.09	3.24	-0.13	0.71	2.40	-1.46
2	32	254	5.73	-4.55	-1.92	3.09	-4.49	1.95	9.26e-02	0.54	1.50	-0.80
2	32	255	4.70	-4.30	-2.01	2.41	-3.92	1.01	0.12	0.33	0.80	-0.38
2	32	256	3.86	-4.11	-2.17	1.91	-3.42	0.41	9.17e-02	0.16	0.34	-0.13
2	32	257	3.03	-3.95	-2.34	1.42	-2.94	9.02e-02	6.61e-02	6.79e-02	8.83e-02	-6.40e-03
2	32	258	2.31	-3.72	-2.44	1.03	-2.47	2.91e-02	-0.11	1.21e-02	-9.72e-02	4.62e-02
2	32	259	1.66	-3.58	-2.58	0.66	-2.06	1.38e-02	-0.15	-7.58e-03	-0.13	5.54e-02
2	32	260	0.81	-3.59	-2.82	3.78e-02	-1.68	2.05e-02	-7.20e-02	-4.22e-03	-4.72e-02	4.09e-02
2	32	261	0.53	-3.63	-2.92	-0.18	-1.57	3.79e-02	-2.91e-02	2.50e-02	-1.62e-02	2.65e-02
2	32	262	7.55	-4.86	-0.89	3.57	-5.79	4.19	-0.42	1.44	2.33	-2.26
2	32	263	6.33	-4.51	-0.95	2.77	-5.09	2.77	-2.55e-02	1.05	1.69	-1.36
2	32	264	5.38	-4.19	-1.10	2.29	-4.47	1.62	9.93e-02	0.68	1.03	-0.74
2	32	265	4.40	-4.29	-1.61	1.72	-4.01	0.84	0.13	0.39	0.58	-0.34
2	32	266	3.72	-3.98	-1.68	1.42	-3.53	0.30	7.15e-02	0.17	0.21	-0.11
2	32	267	2.98	-3.76	-1.82	1.04	-3.05	5.31e-02	-1.89e-02	5.26e-02	-1.83e-02	6.25e-03
2	32	268	2.34	-3.45	-1.75	0.64	-2.64	1.60e-02	-0.14	-6.11e-03	-0.12	5.41e-02
2	32	269	1.43	-3.35	-1.88	-4.43e-02	-2.21	1.93e-02	-0.11	-2.26e-02	-6.39e-02	5.90e-02
2	32	270	0.61	-3.22	-1.98	-0.63	-1.79	1.23e-02	-8.32e-02	-1.05e-02	-6.04e-02	4.07e-02
2	32	271	0.45	-3.02	-1.91	-0.66	-1.62	4.19e-02	-2.51e-02	3.00e-02	-1.32e-02	2.56e-02
2	32	272	6.69	-4.63	-0.23	2.28	-5.52	3.53	-0.19	1.77	1.57	-1.86
2	32	273	5.64	-4.54	-0.61	1.71	-4.96	2.30	8.84e-02	1.25	1.14	-1.11
2	32	274	4.92	-4.15	-0.71	1.47	-4.40	1.34	0.15	0.81	0.69	-0.59
2	32	275	4.05	-4.01	-1.08	1.12	-3.88	0.63	9.98e-02	0.38	0.35	-0.27
2	32	276	3.43	-3.74	-1.21	0.90	-3.42	0.21	5.00e-02	0.17	9.82e-02	-7.50e-02
2	32	277	2.68	-3.56	-1.35	0.47	-2.98	3.93e-02	-2.36e-02	2.97e-02	-1.40e-02	2.26e-02
2	32	278	2.03	-3.22	-1.19	8.61e-03	-2.56	1.46e-02	-0.17	-7.22e-03	-0.15	5.97e-02

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2	32	279	1.41	-2.69	-0.90	-0.39	-2.03	-3.69e-02	-0.18	-0.14	-7.09e-02	5.98e-02
2	32	280	0.82	-2.39	-0.87	-0.70	-1.61	-3.21e-02	-0.14	-0.12	-4.90e-02	3.95e-02
2	32	281	0.86	-1.62	-0.45	-0.31	-1.24	6.76e-02	-0.24	-0.24	6.56e-02	2.47e-02
2	32	282	7.01	-4.44	0.40	2.16	-5.66	4.13	-0.42	2.47	1.24	-2.19
2	32	283	6.09	-3.98	0.42	1.70	-4.99	2.75	1.22e-02	1.76	1.00	-1.31
2	32	284	5.17	-3.71	0.11	1.35	-4.40	1.67	0.16	1.16	0.67	-0.71
2	32	285	4.66	-3.25	9.84e-02	1.32	-3.91	0.75	6.34e-02	0.51	0.30	-0.33
2	32	286	3.70	-3.34	-0.36	0.72	-3.48	0.32	0.10	0.26	0.17	-0.10
2	32	287	2.86	-3.05	-0.55	0.35	-2.92	7.52e-02	-7.13e-03	7.32e-02	-5.10e-03	1.28e-02
2	32	288	2.06	-2.82	-0.61	-0.15	-2.43	-2.33e-02	-0.14	-8.51e-02	-7.77e-02	5.80e-02
2	32	289	1.50	-2.39	-0.55	-0.34	-1.94	-4.43e-02	-0.17	-0.12	-9.34e-02	6.15e-02
2	32	290	0.90	-1.95	-0.51	-0.55	-1.43	-3.99e-02	-0.12	-8.67e-02	-7.75e-02	4.19e-02
2	32	291	0.85	-1.12	-0.18	-8.28e-02	-0.98	1.21e-02	-0.15	7.10e-03	-0.14	2.75e-02
2	32	292	6.68	-4.57	0.52	1.58	-5.60	4.70	-0.69	3.44	0.57	-2.28
2	32	293	5.77	-4.04	0.50	1.22	-4.89	3.19	-6.22e-02	2.45	0.67	-1.36
2	32	294	5.10	-3.59	0.47	1.04	-4.33	1.90	0.11	1.52	0.50	-0.74
2	32	295	4.44	-3.37	0.37	0.71	-3.90	0.99	0.15	0.82	0.32	-0.34
2	32	296	3.70	-3.06	0.12	0.52	-3.37	0.36	0.10	0.30	0.16	-0.11
2	32	297	3.14	-2.65	0.11	0.38	-2.89	8.92e-03	-6.55e-03	-3.73e-03	6.09e-03	5.98e-03
2	32	298	2.43	-2.42	-1.25e-02	1.91e-02	-2.43	-1.69e-02	-0.13	-9.23e-02	-5.51e-02	5.36e-02
2	32	299	1.47	-2.12	-0.39	-0.26	-1.79	-1.69e-02	-0.14	-8.25e-02	-7.32e-02	6.08e-02
2	32	300	0.84	-1.57	-0.35	-0.38	-1.20	-1.87e-02	-0.11	-6.51e-02	-6.28e-02	4.53e-02
2	32	301	0.73	-0.78	-0.15	9.74e-02	-0.75	1.32e-02	-0.12	4.62e-03	-0.11	3.30e-02
2	32	302	6.04	-4.75	0.30	0.99	-5.38	5.13	-0.96	4.45	-0.28	-1.92
2	32	303	5.23	-4.17	0.27	0.80	-4.69	3.54	-0.16	3.15	0.23	-1.14
2	32	304	4.58	-3.77	0.24	0.57	-4.17	2.14	0.10	1.94	0.31	-0.61
2	32	305	4.04	-3.32	0.25	0.47	-3.68	1.13	0.15	1.04	0.24	-0.28
2	32	306	3.55	-2.90	0.24	0.41	-3.22	0.45	0.11	0.43	0.14	-9.14e-02
2	32	307	3.03	-2.45	0.23	0.36	-2.74	7.53e-02	-1.72e-02	7.49e-02	-1.67e-02	6.32e-03
2	32	308	2.31	-2.21	1.45e-02	8.85e-02	-2.26	7.13e-03	-9.66e-02	-6.49e-02	-2.45e-02	4.78e-02
2	32	309	1.69	-1.70	-2.01e-02	1.54e-02	-1.69	-1.08e-02	-0.14	-0.11	-4.27e-02	5.71e-02
2	32	310	0.87	-1.11	-0.13	-0.11	-0.99	4.66e-03	-9.22e-02	-5.00e-02	-3.75e-02	4.80e-02
2	32	311	0.73	-0.49	-9.53e-02	0.34	-0.57	1.93e-02	-8.69e-02	1.71e-03	-6.93e-02	3.95e-02
2	32	312	5.29	-5.07	-0.34	0.56	-5.16	5.37	-1.19	5.21	-1.03	-1.04
2	32	313	4.67	-4.40	-0.25	0.51	-4.52	3.76	-0.24	3.67	-0.15	-0.61
2	32	314	4.16	-3.90	-0.17	0.44	-4.02	2.30	8.73e-02	2.25	0.14	-0.33
2	32	315	3.73	-3.41	-0.11	0.43	-3.56	1.21	0.15	1.19	0.17	-0.15
2	32	316	3.31	-2.93	-5.89e-02	0.44	-3.11	0.53	8.97e-02	0.53	9.37e-02	-4.15e-02
2	32	317	2.80	-2.53	-3.64e-02	0.31	-2.66	0.13	4.62e-02	0.13	4.90e-02	1.48e-02
2	32	318	2.30	-2.01	-2.14e-02	0.31	-2.15	3.44e-02	-6.24e-02	-3.95e-02	1.15e-02	4.12e-02
2	32	319	1.72	-1.42	-1.80e-02	0.31	-1.56	2.04e-02	-0.11	-8.28e-02	-4.18e-03	5.04e-02
2	32	320	0.99	-0.76	-7.91e-02	0.31	-0.85	3.22e-02	-6.86e-02	-3.43e-02	-1.99e-03	4.77e-02
2	32	321	0.73	-0.39	-6.49e-02	0.40	-0.51	5.92e-02	-3.04e-02	7.24e-03	2.16e-02	4.43e-02
2	32	322	4.75	-5.72	-1.24	0.26	-5.18	5.45	-1.24	5.44	-1.24	0.17
2	32	323	4.28	-4.89	-0.93	0.32	-4.54	3.83	-0.26	3.82	-0.26	9.36e-02
2	32	324	3.90	-4.23	-0.71	0.38	-4.03	2.34	7.91e-02	2.34	8.03e-02	5.20e-02
2	32	325	3.55	-3.65	-0.55	0.45	-3.57	1.24	0.14	1.24	0.14	3.22e-02
2	32	326	3.20	-3.11	-0.43	0.52	-3.12	0.54	0.11	0.54	0.12	2.61e-02
2	32	327	2.82	-2.56	-0.32	0.59	-2.65	0.17	6.31e-02	0.16	7.12e-02	2.80e-02
2	32	328	2.39	-1.96	-0.24	0.67	-2.13	5.93e-02	-1.97e-02	-1.58e-04	3.97e-02	3.41e-02
2	32	329	1.89	-1.29	-0.16	0.76	-1.53	4.67e-02	-5.59e-02	-3.54e-02	2.62e-02	4.10e-02
2	32	330	1.32	-0.56	-7.88e-02	0.85	-0.82	5.38e-02	-4.54e-02	-1.76e-02	2.60e-02	4.46e-02
2	32	331	1.15	-0.25	-5.16e-02	0.95	-0.48	6.63e-02	-3.22e-02	4.51e-03	2.96e-02	4.76e-02
2	32	332	4.58	-6.66	-2.00	-8.25e-02	-5.54	5.34	-1.11	5.06	-0.83	1.32
2	32	333	4.15	-5.57	-1.51	9.99e-02	-4.79	3.72	-0.22	3.56	-6.02e-02	0.77
2	32	334	3.85	-4.73	-1.18	0.30	-4.22	2.26	8.59e-02	2.18	0.17	0.41
2	32	335	3.53	-4.03	-0.95	0.44	-3.72	1.19	0.14	1.15	0.18	0.20
2	32	336	3.21	-3.39	-0.76	0.57	-3.23	0.52	0.14	0.50	0.16	9.00e-02
2	32	337	2.97	-2.72	-0.59	0.84	-2.76	0.19	8.06e-02	0.18	9.71e-02	4.02e-02
2	32	338	2.61	-2.06	-0.44	0.99	-2.22	8.28e-02	2.35e-02	3.97e-02	6.66e-02	2.64e-02
2	32	339	2.20	-1.34	-0.29	1.15	-1.62	7.16e-02	7.49e-04	1.70e-02	5.53e-02	2.98e-02
2	32	340	1.77	-0.53	-8.27e-02	1.32	-0.91	5.78e-02	2.21e-03	6.08e-03	5.39e-02	1.42e-02
2	32	341	1.73	-0.28	-5.76e-02	1.50	-0.64	6.30e-02	-2.82e-02	-2.84e-03	3.76e-02	4.09e-02
2	32	342	4.62	-7.51	-2.26	-0.62	-6.01	5.05	-0.89	4.21	-5.92e-02	2.06
2	32	343	4.19	-6.23	-1.77	-0.26	-5.16	3.46	-0.14	2.99	0.33	1.21

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2	32	344	3.93	-5.24	-1.41	0.11	-4.52	2.08	0.11	1.84	0.35	0.65
2	32	345	3.60	-4.44	-1.17	0.33	-3.95	1.09	0.14	0.97	0.26	0.32
2	32	346	3.29	-3.73	-0.96	0.52	-3.43	0.50	0.11	0.45	0.16	0.13
2	32	347	2.96	-3.03	-0.79	0.71	-2.90	0.23	0.13	0.19	0.17	4.57e-02
2	32	348	2.84	-2.17	-0.44	1.12	-2.38	0.11	5.77e-02	6.59e-02	9.82e-02	1.82e-02
2	32	349	2.47	-1.44	-0.29	1.33	-1.78	0.10	5.83e-02	6.88e-02	8.95e-02	1.81e-02
2	32	350	2.26	-0.59	2.39e-02	1.65	-1.17	9.65e-02	1.31e-02	2.16e-02	8.80e-02	2.52e-02
2	32	351	1.81	-0.43	2.73e-02	1.35	-0.90	0.13	-3.85e-03	3.01e-03	0.13	3.00e-02
2	32	352	4.66	-7.98	-2.04	-1.28	-6.31	4.58	-0.59	3.21	0.79	2.28
2	32	353	4.22	-6.66	-1.68	-0.76	-5.42	3.07	-4.63e-02	2.28	0.74	1.35
2	32	354	3.84	-5.68	-1.40	-0.44	-4.73	1.83	0.14	1.41	0.56	0.73
2	32	355	3.69	-4.79	-1.10	5.83e-03	-4.21	0.95	0.14	0.74	0.34	0.35
2	32	356	3.44	-3.84	-0.71	0.30	-3.61	0.46	0.12	0.38	0.19	0.14
2	32	357	3.10	-3.14	-0.59	0.55	-3.07	0.23	0.13	0.21	0.15	4.28e-02
2	32	358	2.97	-2.34	-0.38	1.01	-2.57	0.11	6.96e-02	0.11	7.20e-02	1.01e-02
2	32	359	2.80	-1.09	0.26	1.45	-1.85	6.09e-02	2.13e-02	2.29e-02	5.93e-02	7.68e-03
2	32	360	2.62	-0.58	0.39	1.65	-1.47	6.36e-02	3.86e-02	5.04e-02	5.18e-02	1.25e-02
2	32	361	2.03	-0.63	0.24	1.15	-1.25	0.18	-1.22e-03	6.49e-03	0.17	-3.61e-02
2	32	362	4.43	-8.17	-1.57	-2.17	-6.30	3.99	-0.30	2.29	1.40	2.10
2	32	363	4.06	-6.89	-1.35	-1.48	-5.48	2.60	4.01e-02	1.62	1.02	1.25
2	32	364	3.79	-5.70	-0.89	-1.02	-4.75	1.48	0.10	0.93	0.65	0.67
2	32	365	3.42	-4.93	-0.70	-0.81	-4.18	0.86	0.21	0.61	0.46	0.32
2	32	366	3.52	-3.83	-0.15	-0.16	-3.68	0.35	9.47e-02	0.24	0.20	0.12
2	32	367	3.26	-2.86	0.12	0.28	-3.06	0.16	7.59e-02	9.12e-02	0.15	3.33e-02
2	32	368	3.18	-1.89	0.41	0.88	-2.52	0.12	7.30e-02	7.32e-02	0.12	3.13e-03
2	32	369	2.84	-1.21	0.55	1.08	-2.01	0.11	0.10	0.10	0.11	4.03e-04
2	32	370	2.71	-0.75	0.72	1.25	-1.71	0.11	9.53e-02	9.60e-02	0.11	3.11e-03
2	32	371	2.53	-1.01	0.48	1.03	-1.75	0.19	-2.91e-02	-2.85e-02	0.19	1.17e-02
2	32	372	4.67	-7.67	-0.53	-2.47	-6.09	3.30	-0.12	1.53	1.65	1.71
2	32	373	4.58	-6.31	1.95e-02	-1.75	-5.37	2.08	7.04e-02	1.04	1.11	1.01
2	32	374	4.24	-5.35	0.25	-1.36	-4.73	1.18	0.10	0.61	0.68	0.54
2	32	375	4.10	-4.24	0.70	-0.84	-4.09	0.62	0.12	0.38	0.36	0.25
2	32	376	3.78	-3.51	0.87	-0.60	-3.57	0.30	0.11	0.19	0.22	9.32e-02
2	32	377	3.73	-2.64	1.19	-9.88e-02	-3.12	0.13	6.26e-02	6.95e-02	0.13	2.12e-02
2	32	378	3.53	-1.82	1.27	0.44	-2.65	0.14	2.86e-02	2.86e-02	0.14	-1.66e-03
2	32	379	2.97	-1.20	1.06	0.71	-2.08	0.15	7.33e-02	0.15	7.34e-02	-3.00e-03
2	32	380	2.75	-0.52	1.19	1.04	-1.63	0.13	6.91e-02	0.13	6.92e-02	-2.54e-03
2	32	381	2.62	-1.22	0.77	0.63	-1.92	0.26	-2.01e-02	0.26	-1.99e-02	6.14e-03
2	32	382	4.78	-8.63	0.21	-4.05	-6.36	3.95	-0.31	1.25	2.39	2.05
2	32	383	4.42	-7.12	0.44	-3.14	-5.49	2.59	7.21e-02	1.00	1.66	1.22
2	32	384	4.10	-5.84	0.71	-2.45	-4.72	1.50	0.15	0.65	1.00	0.65
2	32	385	4.21	-4.75	1.29	-1.83	-4.19	0.78	0.14	0.38	0.54	0.31
2	32	386	4.00	-3.87	1.54	-1.42	-3.64	0.34	9.84e-02	0.18	0.26	0.12
2	32	387	3.85	-2.97	1.83	-0.95	-3.11	0.15	6.85e-02	7.96e-02	0.14	2.80e-02
2	32	388	3.67	-2.23	1.94	-0.50	-2.68	0.11	1.83e-02	1.83e-02	0.11	-5.30e-04
2	32	389	3.60	-1.28	2.13	0.18	-2.23	5.91e-02	4.55e-03	4.65e-03	5.90e-02	-2.37e-03
2	32	390	3.49	-0.43	2.25	0.80	-1.82	9.28e-02	1.07e-02	2.64e-02	7.70e-02	-3.24e-02
2	32	391	3.57	-0.61	2.18	0.77	-1.97	4.43e-02	2.64e-02	4.30e-02	2.77e-02	4.63e-03
2	32	392	4.97	-9.32	1.16	-5.51	-6.32	4.53	-0.58	0.64	3.30	2.18
2	32	393	4.66	-7.62	1.38	-4.33	-5.43	3.03	-4.78e-03	0.71	2.32	1.29
2	32	394	4.40	-6.26	1.58	-3.44	-4.71	1.79	0.15	0.52	1.42	0.69
2	32	395	4.18	-5.06	1.79	-2.67	-4.04	0.93	0.15	0.33	0.75	0.32
2	32	396	4.02	-4.06	2.05	-2.09	-3.47	0.41	0.12	0.18	0.34	0.12
2	32	397	3.99	-3.10	2.40	-1.51	-2.96	0.13	4.96e-02	6.85e-02	0.11	3.30e-02
2	32	398	3.86	-2.34	2.62	-1.10	-2.48	9.87e-02	2.43e-02	2.45e-02	9.86e-02	3.20e-03
2	32	399	3.78	-1.55	2.84	-0.61	-2.04	7.77e-02	3.18e-02	3.19e-02	7.76e-02	1.77e-03
2	32	400	3.84	-0.71	3.10	4.11e-02	-1.68	6.94e-02	2.65e-02	5.71e-02	3.88e-02	-1.94e-02
2	32	401	4.11	-0.66	3.28	0.18	-1.81	5.45e-02	2.06e-02	5.13e-02	2.38e-02	9.88e-03
2	32	402	4.68	-9.86	1.83	-7.01	-5.77	4.99	-0.81	-9.82e-02	4.28	1.91
2	32	403	4.42	-7.92	1.95	-5.46	-4.93	3.39	-0.10	0.30	2.98	1.12
2	32	404	4.22	-6.42	2.10	-4.30	-4.25	2.03	0.13	0.34	1.82	0.60
2	32	405	4.08	-5.17	2.31	-3.40	-3.64	1.06	0.15	0.25	0.96	0.28
2	32	406	4.00	-4.10	2.55	-2.65	-3.10	0.47	0.12	0.16	0.43	0.11
2	32	407	3.96	-3.11	2.83	-1.98	-2.59	0.16	6.79e-02	8.09e-02	0.15	3.28e-02
2	32	408	3.92	-2.23	3.09	-1.40	-2.10	4.95e-02	3.02e-02	4.46e-02	3.51e-02	8.42e-03

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2	32	409	3.94	-1.50	3.35	-0.92	-1.69	5.00e-02	2.90e-02	3.31e-02	4.59e-02	8.32e-03
2	32	410	4.04	-0.85	3.61	-0.42	-1.38	6.56e-02	3.25e-02	3.32e-02	6.49e-02	-4.69e-03
2	32	411	4.44	-0.53	4.02	-0.11	-1.38	5.93e-02	1.31e-02	5.29e-02	1.95e-02	1.59e-02
2	32	412	4.19	-9.88	2.42	-8.12	-4.66	5.27	-1.02	-0.81	5.05	1.14
2	32	413	4.01	-7.85	2.43	-6.27	-4.03	3.63	-0.17	-5.57e-02	3.51	0.66
2	32	414	3.89	-6.30	2.51	-4.91	-3.49	2.18	0.11	0.17	2.12	0.35
2	32	415	3.86	-5.02	2.69	-3.86	-3.00	1.14	0.15	0.18	1.11	0.17
2	32	416	3.82	-3.94	2.87	-3.00	-2.53	0.50	0.12	0.13	0.49	6.93e-02
2	32	417	3.81	-2.99	3.09	-2.28	-2.08	0.17	7.19e-02	7.91e-02	0.17	2.61e-02
2	32	418	3.86	-2.11	3.37	-1.62	-1.64	5.54e-02	2.57e-02	4.49e-02	3.62e-02	1.42e-02
2	32	419	3.96	-1.36	3.66	-1.06	-1.23	4.36e-02	5.01e-03	3.48e-02	1.38e-02	1.62e-02
2	32	420	4.14	-0.70	3.98	-0.53	-0.88	4.96e-02	1.30e-02	3.79e-02	2.47e-02	1.71e-02
2	32	421	4.50	-0.38	4.37	-0.26	-0.76	5.08e-02	3.24e-02	5.04e-02	3.28e-02	-2.83e-03
2	32	422	3.54	-9.32	2.69	-8.47	-3.19	5.36	-1.11	-1.11	5.36	2.06e-02
2	32	423	3.47	-7.35	2.63	-6.51	-2.88	3.71	-0.21	-0.21	3.71	1.16e-02
2	32	424	3.46	-5.86	2.69	-5.09	-2.57	2.24	9.66e-02	9.66e-02	2.24	7.90e-03
2	32	425	3.48	-4.65	2.81	-3.98	-2.24	1.17	0.15	0.15	1.17	7.92e-03
2	32	426	3.53	-3.63	2.99	-3.09	-1.89	0.51	0.11	0.11	0.51	1.06e-02
2	32	427	3.61	-2.73	3.21	-2.33	-1.54	0.16	6.76e-02	7.01e-02	0.16	1.52e-02
2	32	428	3.72	-1.93	3.47	-1.68	-1.17	5.58e-02	1.18e-02	4.23e-02	2.53e-02	2.03e-02
2	32	429	3.89	-1.21	3.76	-1.08	-0.80	4.67e-02	-1.05e-02	3.36e-02	2.66e-03	2.41e-02
2	32	430	4.13	-0.58	4.08	-0.53	-0.46	4.71e-02	6.16e-03	3.88e-02	1.44e-02	1.64e-02
2	32	431	4.45	-0.26	4.43	-0.24	-0.31	4.98e-02	3.04e-02	4.71e-02	3.31e-02	6.73e-03
2	32	432	2.81	-8.20	2.52	-7.91	-1.77	5.27	-1.04	-0.84	5.07	-1.11
2	32	433	2.86	-6.45	2.50	-6.10	-1.79	3.63	-0.18	-6.81e-02	3.52	-0.64
2	32	434	2.95	-5.13	2.58	-4.76	-1.69	2.18	9.86e-02	0.16	2.12	-0.34
2	32	435	3.03	-4.07	2.68	-3.72	-1.54	1.13	0.15	0.17	1.11	-0.15
2	32	436	3.17	-3.17	2.87	-2.88	-1.33	0.48	0.11	0.12	0.47	-4.79e-02
2	32	437	3.31	-2.38	3.10	-2.17	-1.08	0.14	6.74e-02	6.77e-02	0.14	4.74e-03
2	32	438	3.46	-1.70	3.33	-1.57	-0.80	5.96e-02	3.08e-04	4.29e-02	1.70e-02	2.67e-02
2	32	439	3.68	-1.07	3.62	-1.01	-0.53	5.42e-02	-1.90e-02	3.63e-02	-1.01e-03	3.15e-02
2	32	440	3.89	-0.48	3.88	-0.47	-0.22	0.13	-6.18e-02	4.42e-02	2.02e-02	9.32e-02
2	32	441	4.43	-0.24	4.43	-0.24	6.84e-02	4.87e-02	1.21e-02	4.57e-02	1.51e-02	-1.01e-02
2	32	442	2.11	-6.73	2.04	-6.66	-0.76	5.00	-0.82	-0.12	4.30	-1.89
2	32	443	2.25	-5.29	2.12	-5.15	-1.00	3.39	-0.11	0.29	3.00	-1.11
2	32	444	2.43	-4.21	2.25	-4.03	-1.08	2.02	0.12	0.33	1.82	-0.59
2	32	445	2.59	-3.33	2.40	-3.14	-1.05	1.04	0.15	0.24	0.95	-0.27
2	32	446	2.74	-2.60	2.56	-2.42	-0.96	0.43	0.11	0.14	0.40	-8.86e-02
2	32	447	2.87	-1.99	2.73	-1.85	-0.80	0.12	8.24e-02	8.24e-02	0.12	-5.31e-04
2	32	448	3.04	-1.45	2.96	-1.36	-0.62	7.31e-02	-4.64e-05	5.13e-02	2.17e-02	3.34e-02
2	32	449	3.25	-0.93	3.20	-0.89	-0.43	7.20e-02	-1.24e-02	4.78e-02	1.18e-02	3.81e-02
2	32	450	3.68	-0.18	3.68	-0.18	6.55e-02	5.88e-02	-4.12e-02	5.86e-02	-4.10e-02	4.64e-03
2	32	451	3.86	-7.53e-02	3.80	-1.87e-02	0.47	5.10e-02	1.60e-02	4.63e-02	2.07e-02	1.19e-02
2	32	452	1.54	-5.13	1.53	-5.11	-0.32	4.56	-0.55	0.68	3.33	-2.18
2	32	453	1.74	-4.03	1.67	-3.96	-0.64	3.03	-1.67e-02	0.69	2.33	-1.29
2	32	454	1.97	-3.21	1.84	-3.08	-0.81	1.78	0.14	0.51	1.41	-0.69
2	32	455	2.18	-2.59	2.02	-2.44	-0.84	0.91	0.16	0.32	0.75	-0.31
2	32	456	2.32	-2.02	2.17	-1.86	-0.81	0.37	0.12	0.17	0.32	-0.10
2	32	457	2.36	-1.62	2.22	-1.48	-0.73	0.11	0.11	0.11	0.11	1.64e-03
2	32	458	2.49	-1.16	2.39	-1.06	-0.59	2.90e-02	-9.34e-02	-7.83e-02	1.39e-02	4.03e-02
2	32	459	2.90	-0.31	2.79	-0.20	-0.59	-7.14e-02	-0.16	-0.12	-0.11	4.38e-02
2	32	460	2.91	0.15	2.88	0.18	0.30	7.19e-06	-0.15	-0.15	6.84e-06	-2.30e-04
2	32	461	2.96	0.22	2.71	0.47	0.78	0.23	-0.16	4.67e-02	2.38e-02	0.19
2	32	462	0.48	-3.72	0.44	-3.68	-0.43	3.99	-0.29	1.29	2.40	-2.07
2	32	463	1.05	-3.05	0.92	-2.92	-0.72	2.58	1.81e-02	0.92	1.69	-1.22
2	32	464	1.56	-2.42	1.40	-2.26	-0.79	1.47	5.45e-02	0.48	1.05	-0.65
2	32	465	1.82	-2.00	1.60	-1.78	-0.90	0.73	8.85e-02	0.28	0.55	-0.29
2	32	466	1.58	-1.88	1.27	-1.57	-0.99	0.31	0.13	0.20	0.24	-8.96e-02
2	32	467	1.52	-1.50	1.23	-1.21	-0.89	9.77e-02	7.51e-02	9.14e-02	8.15e-02	1.01e-02
2	32	468	1.85	-0.79	1.53	-0.47	-0.87	7.79e-02	-0.13	6.68e-02	-0.12	4.63e-02
2	32	469	1.73	-0.35	1.50	-0.12	-0.66	8.70e-02	-3.59e-02	6.49e-02	-1.38e-02	4.72e-02
2	32	470	1.44	0.22	1.36	0.30	0.30	5.06e-02	4.86e-03	4.99e-02	5.58e-03	-5.71e-03
2	32	471	3.40	-0.19	2.37	0.84	1.62	4.38e-02	-0.11	4.37e-02	-0.11	-2.28e-03
2	32	472	5.28e-02	-2.70	-0.11	-2.54	-0.65	3.34	-0.13	1.51	1.69	-1.73
2	32	473	0.58	-2.36	0.27	-2.04	-0.91	2.10	5.05e-02	0.96	1.18	-1.02

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2	32	474	0.86	-2.16	0.39	-1.68	-1.10	1.19	0.12	0.60	0.71	-0.54
2	32	475	1.10	-2.01	0.54	-1.45	-1.20	0.57	8.63e-02	0.27	0.38	-0.23
2	32	476	1.11	-1.73	0.51	-1.13	-1.16	0.23	0.11	0.16	0.17	-6.29e-02
2	32	477	1.13	-1.26	0.55	-0.69	-1.02	7.24e-02	-3.51e-02	6.82e-02	-3.09e-02	2.10e-02
2	32	478	1.33	-0.60	0.80	-7.33e-02	-0.86	-9.89e-03	-0.11	-6.58e-02	-5.47e-02	5.00e-02
2	32	479	1.16	-0.21	0.68	0.27	-0.66	4.01e-02	-0.12	-9.98e-02	2.38e-02	4.78e-02
2	32	480	1.19	0.27	0.76	0.71	-0.46	-1.95e-02	-8.67e-02	-6.56e-02	-4.06e-02	3.12e-02
2	32	481	2.54	-8.05e-02	1.24	1.22	1.31	5.72e-02	-0.16	-0.16	5.71e-02	3.11e-03
2	32	482	-0.20	-2.47	-0.47	-2.21	-0.73	4.01	-0.34	2.27	1.40	-2.13
2	32	483	0.35	-2.32	-0.32	-1.66	-1.16	2.61	2.64e-02	1.57	1.06	-1.26
2	32	484	0.91	-2.13	-7.06e-02	-1.15	-1.42	1.47	9.89e-02	0.88	0.68	-0.68
2	32	485	1.12	-2.06	1.46e-03	-0.94	-1.52	0.72	9.92e-02	0.46	0.36	-0.31
2	32	486	1.28	-1.74	7.71e-02	-0.54	-1.48	0.23	2.95e-02	0.15	0.11	-9.64e-02
2	32	487	1.36	-1.32	0.19	-0.14	-1.33	-8.39e-03	-3.08e-02	-2.71e-02	-1.22e-02	8.39e-03
2	32	488	1.27	-0.94	0.21	0.11	-1.10	-3.97e-02	-0.16	-6.39e-02	-0.13	4.74e-02
2	32	489	1.12	-0.59	0.18	0.35	-0.85	-8.80e-03	-0.18	-2.42e-02	-0.16	4.87e-02
2	32	490	1.10	-0.36	0.26	0.48	-0.72	0.10	-0.19	-1.08e-02	-7.67e-02	0.14
2	32	491	0.86	0.34	0.47	0.74	0.22	4.50e-02	-1.03e-03	3.95e-02	4.39e-03	1.48e-02
2	32	492	-2.14e-02	-2.32	-0.56	-1.78	-0.98	4.60	-0.62	3.19	0.78	-2.32
2	32	493	0.59	-2.46	-0.51	-1.36	-1.46	3.09	-6.30e-02	2.28	0.74	-1.37
2	32	494	0.98	-2.56	-0.48	-1.10	-1.74	1.83	0.11	1.41	0.53	-0.74
2	32	495	1.18	-2.63	-0.49	-0.95	-1.89	0.93	0.13	0.74	0.32	-0.34
2	32	496	1.47	-2.38	-0.32	-0.60	-1.92	0.34	8.62e-02	0.26	0.16	-0.12
2	32	497	1.74	-1.77	-2.66e-03	-3.34e-02	-1.76	-2.96e-02	-3.93e-02	-3.01e-02	-3.88e-02	-2.10e-03
2	32	498	1.56	-1.48	7.26e-03	6.89e-02	-1.52	-2.61e-02	-0.11	-7.79e-02	-6.12e-02	4.26e-02
2	32	499	1.10	-1.13	-0.10	7.57e-02	-1.11	1.33e-02	-9.18e-02	-5.99e-02	-1.85e-02	4.83e-02
2	32	500	0.85	-0.77	-1.65e-02	0.10	-0.81	0.15	-9.88e-02	-1.67e-02	7.02e-02	0.12
2	32	501	0.93	6.61e-04	2.35e-02	0.91	0.14	4.85e-02	-3.88e-02	-2.43e-03	1.21e-02	-4.30e-02
2	32	502	0.62	-2.18	-0.32	-1.25	-1.32	5.06	-0.95	4.21	-9.37e-02	-2.10
2	32	503	1.25	-2.46	-0.25	-0.96	-1.82	3.48	-0.17	3.00	0.31	-1.23
2	32	504	1.61	-2.65	-0.23	-0.82	-2.11	2.10	9.12e-02	1.85	0.34	-0.66
2	32	505	1.82	-2.69	-0.24	-0.63	-2.24	1.09	0.14	0.98	0.25	-0.31
2	32	506	1.86	-2.54	-0.22	-0.47	-2.19	0.45	0.11	0.41	0.15	-0.11
2	32	507	1.89	-2.22	-8.14e-02	-0.25	-2.06	7.08e-02	3.72e-02	6.94e-02	3.86e-02	-6.76e-03
2	32	508	1.74	-1.89	2.99e-02	-0.18	-1.81	7.50e-05	-0.11	-9.37e-02	-1.32e-02	3.53e-02
2	32	509	1.30	-1.45	2.43e-02	-0.17	-1.37	-1.82e-02	-0.14	-0.12	-3.87e-02	4.46e-02
2	32	510	0.70	-1.00	-3.22e-02	-0.27	-0.84	6.55e-02	-0.12	-8.73e-03	-4.78e-02	9.17e-02
2	32	511	0.44	-0.11	-6.45e-02	0.39	-0.16	2.14e-02	-5.18e-03	-2.39e-03	1.86e-02	8.14e-03
2	32	512	1.44	-1.96	0.33	-0.85	-1.59	5.35	-1.17	5.06	-0.88	-1.34
2	32	513	1.92	-2.34	0.28	-0.70	-2.07	3.75	-0.23	3.59	-7.06e-02	-0.78
2	32	514	2.18	-2.60	0.22	-0.64	-2.35	2.29	9.02e-02	2.21	0.17	-0.42
2	32	515	2.31	-2.64	0.16	-0.50	-2.45	1.21	0.13	1.17	0.17	-0.19
2	32	516	2.24	-2.64	0.11	-0.51	-2.42	0.51	0.12	0.50	0.13	-6.75e-02
2	32	517	2.03	-2.52	5.83e-02	-0.55	-2.25	0.13	7.38e-02	0.13	7.39e-02	-2.22e-03
2	32	518	1.77	-2.19	8.46e-02	-0.50	-1.95	3.25e-02	-5.06e-02	-4.04e-02	2.23e-02	2.72e-02
2	32	519	1.26	-1.77	3.89e-02	-0.55	-1.49	1.82e-02	-8.89e-02	-7.37e-02	3.01e-03	3.73e-02
2	32	520	0.66	-1.21	3.56e-02	-0.59	-0.88	1.19e-03	-5.66e-02	-5.22e-02	-3.18e-03	1.53e-02
2	32	521	0.35	-0.69	8.94e-02	-0.42	-0.45	9.90e-02	-7.74e-02	-5.20e-04	2.21e-02	8.74e-02
2	52	1	-0.86	-2.26	-0.86	-2.26	1.33e-03	4.74	-0.72	1.98	2.03	2.73
2	52	2	-0.48	-3.27	-0.49	-3.26	-0.21	5.45	-1.28	1.34	2.83	3.28
2	52	3	-1.02	-3.44	-1.29	-3.17	-0.76	6.10	-2.31	1.86	1.94	4.21
2	52	4	-1.40	-1.95	-1.57	-1.78	-0.25	5.46	-1.28	2.78	1.41	3.30
2	52	5	-1.19	-3.64	-2.37	-2.47	-1.22	6.40	-3.58	2.73	8.53e-02	4.81
2	52	6	-0.94	-2.41	-2.32	-1.02	-0.35	5.99	-1.99	3.82	0.19	3.55
2	52	7	-0.78	-4.17	-3.65	-1.30	-1.22	6.32	-5.00	3.94	-2.62	4.61
2	52	8	-0.39	-3.01	-3.01	-0.40	-9.37e-02	6.30	-2.74	4.98	-1.42	3.19
2	52	9	-0.17	-4.41	-4.37	-0.20	-0.40	6.04	-6.22	5.21	-5.38	3.09
2	52	10	0.29	-3.28	-3.21	0.21	0.52	6.43	-3.35	6.00	-2.91	2.02
2	52	11	0.67	-3.76	-3.66	0.57	0.66	5.86	-6.79	5.85	-6.78	0.30
2	52	12	0.98	-3.05	-2.69	0.62	1.15	6.46	-3.63	6.45	-3.62	0.19
2	52	13	1.44	-2.39	-2.10	1.16	1.01	5.98	-6.45	5.39	-5.86	-2.64
2	52	14	1.55	-2.38	-1.75	0.92	1.44	6.43	-3.45	6.13	-3.15	-1.71
2	52	15	2.12	-1.27	-1.02	1.87	0.89	6.26	-5.33	4.14	-3.22	-4.47
2	52	16	1.96	-1.63	-0.96	1.28	1.40	6.32	-2.90	5.17	-1.75	-3.04
2	52	17	2.49	-0.91	-0.68	2.26	0.86	6.38	-3.89	2.86	-0.37	-4.87

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2	52	18	2.30	-1.12	-0.54	1.72	1.29	6.04	-2.15	3.99	-9.96e-02	-3.55
2	52	19	2.68	-0.94	-0.67	2.41	0.96	6.15	-2.55	1.93	1.68	-4.35
2	52	20	2.33	-0.96	-0.42	1.79	1.22	5.55	-1.42	2.91	1.22	-3.38
2	52	21	2.81	-1.03	-0.69	2.47	1.10	5.55	-1.45	1.38	2.73	-3.43
2	52	22	2.58	-0.87	-0.31	2.03	1.27	4.83	-0.86	2.09	1.89	-2.84
2	52	23	0.17	-4.46	0.17	-4.46	-0.16	5.97	-2.00	9.88e-02	3.87	3.51
2	52	24	-0.36	-5.02	-0.59	-4.79	-1.01	6.39	-3.60	-4.25e-02	2.83	4.78
2	52	25	-0.62	-5.64	-1.70	-4.56	-2.06	6.18	-5.75	0.13	0.30	5.97
2	52	26	-0.53	-6.66	-3.79	-3.40	-3.06	5.28	-8.33	0.95	-3.99	6.34
2	52	27	-0.34	-6.94	-6.00	-1.28	-2.31	3.99	-10.80	2.30	-9.11	4.70
2	52	28	0.58	-5.25	-5.25	0.58	1.72e-02	3.26	-12.06	3.25	-12.05	0.43
2	52	29	2.24	-2.22	-2.22	2.24	9.32e-02	3.74	-11.37	2.54	-10.17	-4.09
2	52	30	3.40	-0.96	-0.96	3.39	-2.79e-02	5.01	-9.00	1.02	-5.01	-6.32
2	52	31	3.87	-1.05	-1.01	3.83	0.44	6.02	-6.27	7.87e-02	-0.33	-6.14
2	52	32	3.95	-1.20	-1.06	3.82	0.83	6.36	-3.96	-0.12	2.51	-4.99
2	52	33	3.84	-1.39	-1.13	3.58	1.13	6.04	-2.23	3.42e-02	3.78	-3.69
2	52	34	0.87	-5.70	0.86	-5.69	0.31	6.28	-2.73	-1.49	5.04	3.10
2	52	35	0.50	-6.76	0.44	-6.71	-0.63	6.32	-5.01	-2.75	4.07	4.53
2	52	36	0.24	-8.21	-0.30	-7.67	-2.06	5.28	-8.41	-4.23	1.11	6.30
2	52	37	0.53	-10.34	-1.79	-8.02	-4.46	2.88	-13.13	-5.22	-5.02	8.00
2	52	38	1.58	-16.81	-8.04	-7.19	-9.18	-0.66	-17.79	-4.39	-14.06	7.07
2	52	39	0.57	-9.65	-9.37	0.30	1.65	-2.87	-21.12	-2.88	-21.11	0.49
2	52	40	10.22	-2.93	-0.92	8.21	-4.73	-1.73	-19.96	-4.59	-17.10	-6.62
2	52	41	7.26	-1.91	-1.89	7.24	-0.39	2.11	-14.29	-5.74	-6.44	-8.20
2	52	42	6.27	-1.81	-1.77	6.23	0.56	4.86	-9.16	-4.65	0.35	-6.55
2	52	43	5.74	-1.87	-1.70	5.56	1.14	6.18	-5.49	-3.05	3.74	-4.74
2	52	44	5.18	-1.90	-1.56	4.84	1.50	6.31	-3.03	-1.69	4.97	-3.28
2	52	45	1.65	-6.73	1.46	-6.54	1.24	6.41	-3.31	-2.92	6.02	1.89
2	52	46	1.39	-8.18	1.36	-8.15	0.55	6.07	-6.16	-5.43	5.33	2.91
2	52	47	1.24	-10.29	1.22	-10.26	-0.54	4.07	-10.84	-9.35	2.58	4.47
2	52	48	1.33	-13.64	0.93	-13.24	-2.41	-0.75	-18.52	-15.09	-4.18	7.01
2	52	49	5.40	-15.64	4.34	-14.57	-4.62	-9.83	-33.42	-21.37	-21.87	11.79
2	52	50	-1.43	-15.96	-15.96	-1.43	0.18	-12.98	-38.11	-12.99	-38.11	0.42
2	52	51	17.20	-8.27	-7.77	16.70	3.52	-11.95	-34.81	-23.40	-23.36	-11.43
2	52	52	11.19	-3.53	-3.33	10.99	1.71	-2.21	-19.79	-16.16	-5.84	-7.11
2	52	53	9.17	-2.86	-2.56	8.87	1.89	3.38	-11.69	-10.08	1.78	-4.64
2	52	54	7.73	-2.69	-2.22	7.25	2.17	5.81	-6.71	-5.92	5.02	-3.05
2	52	55	6.60	-2.55	-1.92	5.97	2.32	6.40	-3.65	-3.23	5.99	-2.00
2	52	56	2.42	-7.32	1.77	-6.67	2.43	6.44	-3.53	-3.53	6.44	6.74e-02
2	52	57	2.31	-8.88	1.85	-8.42	2.22	5.91	-6.63	-6.63	5.91	9.80e-02
2	52	58	2.21	-11.06	1.95	-10.79	1.87	3.47	-11.82	-11.81	3.47	0.15
2	52	59	1.40	-14.41	1.33	-14.34	1.09	-2.39	-20.82	-20.82	-2.39	0.21
2	52	60	-6.49	-19.93	-6.75	-19.68	-1.85	-11.28	-38.22	-38.21	-11.29	0.49
2	52	61	5.89	-0.20	2.84	2.84	3.05	-90.14	-90.14	-90.14	-90.14	2.24e-03
2	52	62	19.89	-0.41	3.38	16.10	7.91	-17.16	-39.27	-39.26	-17.17	-0.48
2	52	63	14.94	-3.79	-2.36	13.52	4.97	-4.18	-22.11	-22.11	-4.18	-0.20
2	52	64	11.66	-3.81	-2.58	10.42	4.19	2.64	-12.70	-12.70	2.64	-0.15
2	52	65	9.43	-3.52	-2.31	8.22	3.77	5.61	-7.21	-7.21	5.61	-9.64e-02
2	52	66	7.83	-3.22	-1.99	6.60	3.48	6.41	-3.89	-3.89	6.41	-6.55e-02
2	52	67	3.08	-7.42	1.72	-6.05	3.53	6.40	-3.32	-2.99	6.07	-1.78
2	52	68	3.15	-8.80	1.81	-7.46	3.77	6.04	-6.21	-5.56	5.39	-2.74
2	52	69	3.41	-10.57	2.08	-9.23	4.11	3.99	-10.89	-9.55	2.66	-4.25
2	52	70	4.04	-12.65	2.88	-11.49	4.25	-0.96	-18.63	-15.54	-4.05	-6.71
2	52	71	8.79	-16.32	8.47	-16.00	2.81	-10.61	-33.93	-22.26	-22.29	-11.66
2	52	72	14.50	-4.05	12.38	-1.93	5.89	-15.47	-39.37	-15.48	-39.36	-0.42
2	52	73	19.85	-8.22	-3.63	15.27	10.37	-12.70	-35.36	-24.28	-23.78	11.33
2	52	74	16.76	-5.40	-1.39	12.74	8.54	-2.42	-19.90	-16.61	-5.71	6.83
2	52	75	12.92	-4.73	-1.71	9.90	6.65	3.30	-11.73	-10.29	1.86	4.42
2	52	76	10.41	-4.24	-1.78	7.95	5.48	5.77	-6.76	-6.05	5.07	2.89
2	52	77	8.61	-3.82	-1.67	6.46	4.70	6.40	-3.66	-3.30	6.03	1.89
2	52	78	3.55	-7.09	1.40	-4.93	4.27	6.28	-2.75	-1.58	5.10	-3.03
2	52	79	3.74	-8.12	1.38	-5.77	4.73	6.28	-5.07	-2.93	4.14	-4.44
2	52	80	4.13	-9.27	1.43	-6.56	5.38	5.17	-8.53	-4.55	1.19	-6.22
2	52	81	4.82	-10.89	1.53	-7.60	6.39	2.56	-13.50	-5.81	-5.12	-8.02
2	52	82	7.47	-15.72	0.42	-8.67	10.67	-1.38	-18.52	-5.30	-14.60	-7.20

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2	52	83	10.22	-3.00	8.55	-1.33	4.39	-3.68	-21.83	-3.69	-21.82	-0.48
2	52	84	22.44	-8.15	7.54	6.75	15.29	-2.47	-20.67	-5.50	-17.64	6.78
2	52	85	15.51	-6.45	1.42	7.64	10.53	1.78	-14.65	-6.33	-6.54	8.21
2	52	86	12.64	-5.34	-5.25e-02	7.35	8.20	4.75	-9.28	-4.97	0.43	6.47
2	52	87	10.47	-4.74	-0.78	6.51	6.68	6.14	-5.54	-3.22	3.82	4.66
2	52	88	8.81	-4.25	-1.04	5.60	5.63	6.31	-3.05	-1.78	5.03	3.21
2	52	89	3.80	-6.46	1.02	-3.68	4.56	5.98	-2.03	1.00e-02	3.94	-3.49
2	52	90	3.94	-7.11	0.84	-4.01	4.97	6.36	-3.67	-0.20	2.89	-4.77
2	52	91	4.26	-7.63	0.74	-4.10	5.43	6.07	-5.94	-0.14	0.27	-6.00
2	52	92	4.77	-7.87	0.64	-3.75	5.92	5.03	-8.69	0.52	-4.19	-6.44
2	52	93	5.84	-6.70	1.86	-2.72	5.83	3.66	-11.22	1.90	-9.47	-4.80
2	52	94	8.55	-4.87	4.88	-1.21	5.98	2.87	-12.48	2.86	-12.47	-0.43
2	52	95	11.90	-5.48	5.64	0.79	8.35	3.41	-11.79	2.14	-10.52	4.20
2	52	96	12.41	-5.90	3.47	3.05	9.15	4.76	-9.37	0.60	-5.21	6.44
2	52	97	11.11	-5.41	1.41	4.29	8.14	5.91	-6.46	-0.19	-0.36	6.19
2	52	98	9.81	-4.85	0.34	4.62	7.02	6.34	-4.04	-0.28	2.57	4.99
2	52	99	8.51	-4.47	-0.31	4.34	6.06	6.06	-2.26	-4.96e-02	3.84	3.68
2	52	100	3.81	-5.72	0.65	-2.56	4.49	5.46	-1.34	1.25	2.88	-3.30
2	52	101	3.95	-6.01	0.52	-2.57	4.73	6.09	-2.41	1.71	1.97	-4.24
2	52	102	4.12	-6.12	0.50	-2.49	4.90	6.33	-3.75	2.54	4.46e-02	-4.89
2	52	103	4.46	-5.82	0.82	-2.18	4.92	6.21	-5.23	3.74	-2.76	-4.71
2	52	104	5.31	-4.98	1.90	-1.57	4.85	5.88	-6.48	5.01	-5.62	-3.15
2	52	105	6.91	-4.49	3.45	-1.03	5.24	5.67	-7.07	5.67	-7.06	-0.29
2	52	106	8.69	-4.74	4.16	-0.22	6.35	5.81	-6.72	5.20	-6.10	2.71
2	52	107	9.51	-5.10	3.45	0.96	7.20	6.15	-5.56	3.94	-3.35	4.58
2	52	108	9.40	-4.99	2.19	2.23	7.19	6.33	-4.06	2.67	-0.41	4.96
2	52	109	8.82	-4.67	1.13	3.03	6.68	6.14	-2.66	1.78	1.70	4.40
2	52	110	7.92	-4.41	0.39	3.11	6.01	5.57	-1.51	1.29	2.77	3.46
2	52	111	3.79	-4.92	0.53	-1.66	4.22	4.74	-0.80	1.89	2.05	-2.77
2	52	112	3.71	-5.22	0.31	-1.83	4.34	5.46	-1.36	2.70	1.41	-3.35
2	52	113	3.79	-5.16	0.45	-1.82	4.33	5.98	-2.11	3.73	0.15	-3.62
2	52	114	4.13	-4.70	0.87	-1.44	4.26	6.27	-2.89	4.90	-1.52	-3.26
2	52	115	4.78	-4.22	1.67	-1.12	4.28	6.38	-3.52	5.92	-3.07	-2.06
2	52	116	5.81	-4.04	2.61	-0.84	4.61	6.40	-3.80	6.39	-3.80	-0.19
2	52	117	6.93	-4.22	3.13	-0.42	5.29	6.38	-3.63	6.06	-3.31	1.76
2	52	118	7.63	-4.51	2.91	0.21	5.92	6.29	-3.05	5.09	-1.85	3.12
2	52	119	7.75	-4.66	2.21	0.88	6.17	6.03	-2.28	3.90	-0.14	3.63
2	52	120	7.58	-4.47	1.44	1.67	6.02	5.56	-1.51	2.82	1.22	3.44
2	52	121	6.96	-4.58	0.57	1.81	5.74	4.92	-0.86	2.04	2.02	2.89
2	52	122	4.83	-3.65	1.98	-0.81	4.01	5.46	-1.31	5.46	-1.31	-9.77e-02
2	52	123	5.60	-3.81	2.36	-0.56	4.48	5.39	-1.24	5.19	-1.04	1.13
2	52	124	4.10	-3.34	1.53	-0.77	3.54	3.87	-0.29	3.87	-0.29	-5.11e-02
2	52	125	4.67	-3.48	1.81	-0.63	3.89	3.80	-0.27	3.68	-0.15	0.67
2	52	126	3.49	-3.07	1.21	-0.79	3.12	2.38	6.91e-02	2.38	6.94e-02	-2.74e-02
2	52	127	3.92	-3.21	1.43	-0.72	3.40	2.33	7.28e-02	2.27	0.13	0.36
2	52	128	2.94	-2.81	0.96	-0.84	2.73	1.27	0.14	1.27	0.14	-1.73e-02
2	52	129	3.27	-2.96	1.13	-0.83	2.95	1.24	0.14	1.21	0.17	0.17
2	52	130	2.41	-2.57	0.76	-0.92	2.34	0.56	0.12	0.56	0.12	-1.53e-02
2	52	131	2.66	-2.72	0.89	-0.95	2.52	0.53	0.11	0.53	0.12	5.59e-02
2	52	132	1.87	-2.31	0.58	-1.02	1.93	0.17	7.17e-02	0.16	7.54e-02	-1.83e-02
2	52	133	2.07	-2.49	0.68	-1.10	2.09	0.14	6.72e-02	0.14	6.74e-02	-3.76e-03
2	52	134	1.34	-2.05	0.42	-1.13	1.51	5.17e-02	-2.10e-02	-1.24e-02	4.31e-02	-2.35e-02
2	52	135	1.49	-2.24	0.50	-1.25	1.65	4.38e-02	-4.38e-02	-3.08e-02	3.08e-02	-3.12e-02
2	52	136	0.81	-1.79	0.28	-1.26	1.05	3.61e-02	-6.35e-02	-5.44e-02	2.70e-02	-2.88e-02
2	52	137	0.94	-2.01	0.33	-1.41	1.19	2.95e-02	-8.71e-02	-7.12e-02	1.36e-02	-4.00e-02
2	52	138	0.33	-1.59	0.14	-1.40	0.57	3.23e-02	-4.36e-02	-3.26e-02	2.13e-02	-2.67e-02
2	52	139	0.43	-1.84	0.17	-1.58	0.72	2.82e-02	-6.24e-02	-4.38e-02	9.67e-03	-3.65e-02
2	52	140	0.17	-1.65	8.56e-02	-1.57	0.39	3.40e-02	-2.38e-02	-9.36e-03	1.95e-02	-2.50e-02
2	52	141	0.26	-1.87	0.10	-1.71	0.56	3.64e-02	-3.24e-02	-7.87e-03	1.19e-02	-3.29e-02
2	52	142	6.19	-4.03	2.29	-0.13	4.96	5.14	-1.02	4.40	-0.28	2.00
2	52	143	5.13	-3.68	1.79	-0.34	4.28	3.56	-0.19	3.14	0.23	1.19
2	52	144	4.29	-3.41	1.42	-0.54	3.72	2.17	8.72e-02	1.95	0.31	0.65
2	52	145	3.57	-3.15	1.13	-0.71	3.23	1.14	0.14	1.04	0.24	0.30
2	52	146	2.92	-2.90	0.89	-0.88	2.77	0.47	0.11	0.44	0.14	0.11
2	52	147	2.30	-2.66	0.69	-1.05	2.32	0.10	5.26e-02	0.10	5.29e-02	4.18e-03

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2	52	148	1.68	-2.45	0.49	-1.25	1.87	3.27e-02	-6.43e-02	-4.44e-02	1.27e-02	-3.92e-02
2	52	149	1.13	-2.22	0.33	-1.43	1.43	1.59e-02	-0.12	-9.49e-02	-5.88e-03	-4.92e-02
2	52	150	0.60	-2.06	0.15	-1.61	1.00	1.56e-02	-8.18e-02	-5.97e-02	-6.49e-03	-4.08e-02
2	52	151	0.34	-1.97	4.07e-03	-1.63	0.82	2.87e-02	-3.75e-02	4.64e-04	-9.25e-03	-3.28e-02
2	52	152	6.41	-4.16	1.85	0.39	5.23	4.72	-0.69	3.38	0.65	2.34
2	52	153	5.36	-3.83	1.48	4.69e-02	4.54	3.20	-9.78e-02	2.43	0.68	1.40
2	52	154	4.52	-3.54	1.19	-0.22	3.97	1.92	0.10	1.51	0.52	0.76
2	52	155	3.78	-3.31	0.94	-0.47	3.47	0.99	0.13	0.81	0.32	0.36
2	52	156	3.09	-3.07	0.71	-0.69	3.00	0.40	9.69e-02	0.33	0.16	0.12
2	52	157	2.47	-2.82	0.54	-0.89	2.55	6.45e-02	4.82e-02	6.42e-02	4.86e-02	2.41e-03
2	52	158	1.88	-2.60	0.39	-1.11	2.11	1.56e-02	-0.10	-8.00e-02	-7.54e-03	-4.70e-02
2	52	159	1.23	-2.40	0.15	-1.31	1.66	4.13e-03	-0.13	-9.66e-02	-2.63e-02	-5.53e-02
2	52	160	0.62	-2.24	-0.10	-1.52	1.24	1.14e-02	-7.48e-02	-4.19e-02	-2.15e-02	-4.19e-02
2	52	161	0.46	-2.02	-0.15	-1.41	1.07	2.27e-02	-4.39e-02	1.81e-03	-2.31e-02	-3.09e-02
2	52	162	6.39	-4.07	1.24	1.07	5.23	4.16	-0.41	2.42	1.33	2.22
2	52	163	5.44	-3.75	1.04	0.64	4.59	2.75	-6.99e-03	1.73	1.01	1.33
2	52	164	4.61	-3.48	0.86	0.27	4.04	1.63	0.13	1.08	0.67	0.72
2	52	165	3.83	-3.36	0.60	-0.12	3.57	0.81	0.11	0.56	0.36	0.33
2	52	166	3.14	-3.17	0.39	-0.41	3.13	0.31	8.59e-02	0.23	0.17	0.11
2	52	167	2.47	-2.95	0.20	-0.68	2.67	3.85e-02	2.04e-02	2.42e-02	3.47e-02	-7.39e-03
2	52	168	1.88	-2.72	2.59e-02	-0.86	2.26	2.85e-03	-0.12	-8.96e-02	-2.80e-02	-5.34e-02
2	52	169	1.22	-2.55	-0.28	-1.05	1.84	1.43e-03	-0.12	-7.16e-02	-4.45e-02	-5.79e-02
2	52	170	0.60	-2.36	-0.53	-1.23	1.44	-2.60e-03	-8.69e-02	-5.68e-02	-3.27e-02	-4.04e-02
2	52	171	0.51	-1.99	-0.46	-1.02	1.22	1.87e-02	-4.66e-02	3.98e-03	-3.20e-02	-2.72e-02
2	52	172	6.07	-4.11	0.56	1.40	5.07	3.52	-0.19	1.67	1.67	1.85
2	52	173	5.21	-3.84	0.36	1.01	4.51	2.27	6.27e-02	1.18	1.15	1.10
2	52	174	4.42	-3.67	0.18	0.56	4.04	1.34	0.15	0.74	0.75	0.59
2	52	175	3.57	-3.50	-1.50e-02	8.68e-02	3.54	0.67	0.13	0.38	0.41	0.27
2	52	176	2.99	-3.25	-0.12	-0.14	3.12	0.21	6.02e-02	0.13	0.14	7.65e-02
2	52	177	2.33	-3.13	-0.36	-0.43	2.73	3.30e-02	-7.87e-03	9.74e-03	1.54e-02	-2.02e-02
2	52	178	1.78	-2.87	-0.53	-0.56	2.32	-1.09e-02	-0.13	-8.45e-02	-5.49e-02	-5.69e-02
2	52	179	1.28	-2.48	-0.61	-0.59	1.88	-3.78e-02	-0.16	-8.31e-02	-0.11	-5.72e-02
2	52	180	0.75	-2.22	-0.74	-0.73	1.49	-3.73e-02	-0.12	-6.32e-02	-9.25e-02	-3.78e-02
2	52	181	0.77	-1.54	-0.42	-0.35	1.15	-2.36e-02	-0.13	-2.92e-02	-0.12	-2.36e-02
2	52	182	6.77	-4.11	0.14	2.52	5.30	4.16	-0.42	1.35	2.39	2.23
2	52	183	5.83	-3.79	1.70e-02	2.03	4.71	2.76	-1.32e-03	1.04	1.72	1.34
2	52	184	4.93	-3.55	-0.10	1.49	4.17	1.65	0.14	0.69	1.10	0.73
2	52	185	4.22	-3.41	-0.30	1.11	3.75	0.80	0.10	0.37	0.54	0.34
2	52	186	3.42	-3.27	-0.50	0.65	3.30	0.32	9.15e-02	0.17	0.24	0.11
2	52	187	2.65	-3.05	-0.67	0.27	2.81	4.25e-02	1.97e-02	2.22e-02	4.00e-02	-7.11e-03
2	52	188	1.99	-2.88	-0.90	5.89e-03	2.39	-9.96e-03	-0.13	-4.43e-02	-9.20e-02	-5.31e-02
2	52	189	1.36	-2.64	-1.01	-0.27	1.96	-1.90e-02	-0.14	-5.97e-02	-9.92e-02	-5.71e-02
2	52	190	0.73	-2.39	-1.13	-0.52	1.53	-1.95e-02	-0.10	-4.51e-02	-7.72e-02	-3.84e-02
2	52	191	0.61	-1.84	-0.88	-0.34	1.20	-9.23e-04	-7.31e-02	-6.46e-02	-9.40e-03	-2.32e-02
2	52	192	7.09	-4.15	-0.48	3.42	5.27	4.74	-0.70	0.68	3.36	2.36
2	52	193	6.02	-3.83	-0.55	2.73	4.64	3.22	-8.75e-02	0.71	2.42	1.41
2	52	194	5.15	-3.56	-0.60	2.19	4.13	1.93	0.11	0.53	1.51	0.77
2	52	195	4.37	-3.41	-0.77	1.73	3.68	1.01	0.14	0.33	0.81	0.36
2	52	196	3.57	-3.20	-0.86	1.23	3.22	0.39	9.68e-02	0.17	0.32	0.12
2	52	197	2.91	-2.96	-0.95	0.90	2.79	3.58e-02	3.08e-02	3.38e-02	3.28e-02	2.42e-03
2	52	198	2.23	-2.81	-1.16	0.57	2.37	-1.02e-03	-0.12	-2.55e-02	-9.17e-02	-4.71e-02
2	52	199	1.39	-2.61	-1.33	0.10	1.87	-1.08e-02	-0.13	-4.41e-02	-0.10	-5.48e-02
2	52	200	0.72	-2.37	-1.46	-0.18	1.41	-7.85e-03	-9.12e-02	-3.61e-02	-6.29e-02	-3.94e-02
2	52	201	0.49	-1.91	-1.25	-0.17	1.07	-8.48e-04	-6.44e-02	-5.24e-02	-1.29e-02	-2.49e-02
2	52	202	7.19	-3.97	-1.08	4.30	4.89	5.17	-1.01	-0.23	4.39	2.05
2	52	203	6.02	-3.68	-1.05	3.39	4.31	3.60	-0.19	0.26	3.15	1.22
2	52	204	5.07	-3.49	-1.11	2.69	3.83	2.19	9.19e-02	0.32	1.96	0.66
2	52	205	4.27	-3.27	-1.14	2.14	3.40	1.16	0.14	0.25	1.05	0.31
2	52	206	3.55	-3.07	-1.19	1.67	2.98	0.48	0.11	0.15	0.44	0.11
2	52	207	2.86	-2.85	-1.25	1.26	2.56	8.93e-02	2.59e-02	2.62e-02	8.90e-02	4.27e-03
2	52	208	2.11	-2.73	-1.44	0.81	2.14	1.63e-02	-8.24e-02	-3.43e-03	-6.27e-02	-3.95e-02
2	52	209	1.44	-2.49	-1.53	0.48	1.69	-1.72e-03	-0.14	-2.28e-02	-0.12	-4.90e-02
2	52	210	0.72	-2.25	-1.66	0.13	1.19	1.03e-03	-9.06e-02	-2.05e-02	-6.90e-02	-3.89e-02
2	52	211	0.36	-1.92	-1.53	-3.08e-02	0.86	4.52e-03	-5.13e-02	-3.15e-02	-1.53e-02	-2.67e-02
2	52	212	6.92	-3.60	-1.58	4.90	4.15	5.43	-1.25	-1.03	5.21	1.20

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2	52	213	5.73	-3.36	-1.45	3.82	3.70	3.84	-0.27	-0.15	3.72	0.71
2	52	214	4.80	-3.19	-1.41	3.02	3.32	2.36	7.43e-02	0.14	2.30	0.38
2	52	215	4.01	-3.02	-1.40	2.38	2.97	1.26	0.14	0.17	1.23	0.18
2	52	216	3.30	-2.85	-1.41	1.85	2.61	0.54	0.10	0.11	0.54	5.84e-02
2	52	217	2.61	-2.73	-1.51	1.40	2.24	0.13	5.89e-02	5.91e-02	0.13	-3.39e-03
2	52	218	1.95	-2.53	-1.57	0.99	1.84	3.21e-02	-5.87e-02	1.96e-02	-4.62e-02	-3.13e-02
2	52	219	1.25	-2.31	-1.65	0.59	1.38	1.66e-02	-0.10	1.34e-03	-8.74e-02	-3.98e-02
2	52	220	0.60	-2.08	-1.75	0.26	0.89	1.70e-02	-7.32e-02	-1.49e-04	-5.60e-02	-3.53e-02
2	52	221	0.26	-1.90	-1.71	8.08e-02	0.60	1.85e-02	-3.88e-02	-2.52e-03	-1.78e-02	-2.76e-02
2	52	222	6.27	-3.08	-1.81	4.99	3.20	5.52	-1.34	-1.34	5.52	-3.83e-02
2	52	223	5.16	-2.92	-1.63	3.88	2.95	3.93	-0.30	-0.30	3.93	-2.25e-02
2	52	224	4.30	-2.79	-1.54	3.05	2.71	2.43	6.64e-02	6.64e-02	2.43	-1.45e-02
2	52	225	3.58	-2.68	-1.49	2.39	2.45	1.30	0.14	0.14	1.30	-1.20e-02
2	52	226	2.93	-2.56	-1.48	1.85	2.18	0.57	0.12	0.12	0.57	-1.35e-02
2	52	227	2.30	-2.41	-1.50	1.39	1.86	0.16	6.76e-02	7.09e-02	0.16	-1.77e-02
2	52	228	1.69	-2.23	-1.53	0.99	1.50	4.43e-02	-2.93e-02	3.61e-02	-2.12e-02	-2.31e-02
2	52	229	1.07	-2.03	-1.59	0.63	1.08	2.71e-02	-7.54e-02	1.87e-02	-6.71e-02	-2.80e-02
2	52	230	0.47	-1.82	-1.65	0.30	0.60	2.56e-02	-5.55e-02	1.48e-02	-4.47e-02	-2.75e-02
2	52	231	0.16	-1.76	-1.70	9.61e-02	0.35	2.79e-02	-3.20e-02	1.55e-02	-1.95e-02	-2.43e-02
2	52	232	5.30	-2.49	-1.73	4.55	2.30	5.43	-1.26	-1.01	5.18	-1.26
2	52	233	4.37	-2.41	-1.57	3.53	2.23	3.84	-0.27	-0.13	3.70	-0.74
2	52	234	3.65	-2.33	-1.45	2.77	2.12	2.36	7.31e-02	0.15	2.29	-0.41
2	52	235	3.03	-2.28	-1.41	2.16	1.96	1.26	0.14	0.18	1.23	-0.20
2	52	236	2.46	-2.20	-1.40	1.65	1.76	0.55	0.13	0.14	0.54	-8.51e-02
2	52	237	1.93	-2.05	-1.35	1.23	1.52	0.18	7.40e-02	8.47e-02	0.17	-3.21e-02
2	52	238	1.40	-1.90	-1.37	0.86	1.21	5.27e-02	-1.41e-03	4.83e-02	2.94e-03	-1.47e-02
2	52	239	0.88	-1.71	-1.39	0.57	0.85	3.42e-02	-4.60e-02	3.13e-02	-4.31e-02	-1.50e-02
2	52	240	0.36	-1.51	-1.42	0.27	0.41	3.82e-02	-4.33e-02	2.68e-02	-3.19e-02	-2.83e-02
2	52	241	7.60e-02	-1.62	-1.61	6.16e-02	0.16	3.81e-02	-2.28e-02	3.25e-02	-1.72e-02	-1.76e-02
2	52	242	4.20	-1.92	-1.43	3.72	1.65	5.16	-1.01	-0.20	4.34	-2.09
2	52	243	3.49	-1.92	-1.32	2.89	1.70	3.59	-0.19	0.28	3.12	-1.24
2	52	244	2.93	-1.89	-1.21	2.25	1.68	2.19	9.20e-02	0.34	1.94	-0.68
2	52	245	2.43	-1.89	-1.19	1.73	1.59	1.16	0.14	0.26	1.04	-0.33
2	52	246	1.96	-1.86	-1.20	1.30	1.45	0.52	0.11	0.16	0.47	-0.13
2	52	247	1.50	-1.79	-1.22	0.93	1.25	0.19	9.64e-02	0.12	0.16	-4.01e-02
2	52	248	1.14	-1.58	-1.14	0.69	1.01	5.96e-02	1.75e-02	5.87e-02	1.84e-02	-6.17e-03
2	52	249	0.68	-1.43	-1.16	0.41	0.71	4.22e-02	-7.57e-03	4.21e-02	-7.44e-03	-2.45e-03
2	52	250	0.21	-1.25	-1.19	0.16	0.27	3.98e-02	-6.37e-03	3.89e-02	-5.45e-03	-6.44e-03
2	52	251	-2.49e-02	-1.45	-1.45	-2.50e-02	-1.03e-02	5.96e-02	-1.52e-02	5.86e-02	-1.42e-02	-8.76e-03
2	52	252	3.17	-1.49	-1.07	2.75	1.33	4.72	-0.70	0.71	3.31	-2.37
2	52	253	2.66	-1.56	-1.01	2.11	1.42	3.20	-8.90e-02	0.72	2.39	-1.42
2	52	254	2.24	-1.64	-1.01	1.61	1.43	1.93	0.12	0.56	1.50	-0.78
2	52	255	1.91	-1.62	-0.93	1.22	1.40	1.02	0.14	0.35	0.81	-0.37
2	52	256	1.61	-1.57	-0.94	0.99	1.26	0.47	0.11	0.18	0.39	-0.15
2	52	257	1.23	-1.52	-0.97	0.68	1.10	0.18	8.66e-02	0.11	0.16	-3.87e-02
2	52	258	0.91	-1.34	-0.88	0.45	0.91	8.32e-02	4.13e-02	8.30e-02	4.14e-02	2.09e-03
2	52	259	0.58	-1.13	-0.87	0.32	0.62	7.05e-02	1.18e-02	6.95e-02	1.28e-02	7.72e-03
2	52	260	0.13	-0.91	-0.86	8.50e-02	0.21	7.08e-02	1.98e-03	7.06e-02	2.14e-03	3.35e-03
2	52	261	-0.19	-1.16	-1.15	-0.20	-9.18e-02	8.29e-02	-1.80e-02	7.56e-02	-1.06e-02	-2.62e-02
2	52	262	2.39	-1.23	-0.68	1.84	1.30	4.13	-0.40	1.38	2.36	-2.21
2	52	263	2.06	-1.39	-0.70	1.37	1.37	2.75	1.89e-02	1.07	1.70	-1.33
2	52	264	1.83	-1.46	-0.76	1.14	1.35	1.62	0.13	0.72	1.03	-0.72
2	52	265	1.61	-1.50	-0.75	0.86	1.33	0.88	0.16	0.43	0.61	-0.35
2	52	266	1.51	-1.34	-0.63	0.80	1.23	0.36	8.98e-02	0.19	0.26	-0.13
2	52	267	1.25	-1.15	-0.58	0.67	1.03	0.12	6.22e-02	0.10	8.37e-02	-2.95e-02
2	52	268	0.92	-1.00	-0.49	0.41	0.85	6.99e-02	5.00e-02	5.54e-02	6.44e-02	8.86e-03
2	52	269	0.57	-0.84	-0.49	0.21	0.61	4.97e-02	1.71e-02	4.16e-02	2.52e-02	1.41e-02
2	52	270	0.11	-0.56	-0.45	8.01e-03	0.24	4.83e-02	2.39e-02	4.33e-02	2.89e-02	9.86e-03
2	52	271	-0.34	-1.00	-0.95	-0.39	-0.18	8.45e-02	1.26e-02	8.37e-02	1.34e-02	7.52e-03
2	52	272	2.21	-1.14	-0.41	1.48	1.38	3.47	-0.17	1.71	1.59	-1.82
2	52	273	1.98	-1.25	-0.43	1.16	1.40	2.26	9.69e-02	1.21	1.15	-1.08
2	52	274	1.92	-1.24	-0.39	1.07	1.40	1.30	0.13	0.75	0.68	-0.59
2	52	275	1.82	-1.13	-0.37	1.06	1.29	0.67	0.11	0.42	0.36	-0.28
2	52	276	1.59	-1.09	-0.38	0.88	1.18	0.30	9.99e-02	0.21	0.19	-0.10
2	52	277	1.39	-0.94	-0.28	0.73	1.05	0.10	6.65e-02	8.78e-02	8.00e-02	-1.69e-02

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2	52	278	1.01	-0.85	-0.26	0.42	0.86	8.85e-02	2.62e-02	8.55e-02	2.92e-02	1.33e-02
2	52	279	0.59	-0.70	-0.22	0.11	0.63	6.94e-02	3.53e-02	4.79e-02	5.68e-02	1.65e-02
2	52	280	0.26	-0.56	-0.20	-0.10	0.41	7.80e-02	4.65e-02	5.17e-02	7.28e-02	1.18e-02
2	52	281	-0.50	-0.75	-0.67	-0.58	-0.12	0.12	3.96e-02	4.09e-02	0.12	1.02e-02
2	52	282	2.12	-1.21	-0.41	1.32	1.42	4.10	-0.39	2.45	1.27	-2.17
2	52	283	2.00	-1.33	-0.38	1.05	1.50	2.73	3.47e-02	1.75	1.02	-1.30
2	52	284	1.86	-1.40	-0.41	0.87	1.50	1.63	0.15	1.10	0.68	-0.71
2	52	285	1.85	-1.28	-0.30	0.87	1.46	0.85	0.15	0.60	0.39	-0.34
2	52	286	1.65	-1.23	-0.30	0.72	1.35	0.38	0.11	0.29	0.20	-0.13
2	52	287	1.42	-1.09	-0.27	0.61	1.18	0.15	7.90e-02	0.13	9.17e-02	-2.60e-02
2	52	288	1.15	-0.96	-0.25	0.43	1.00	7.88e-02	4.61e-02	7.48e-02	5.01e-02	1.07e-02
2	52	289	0.96	-0.67	-6.01e-02	0.35	0.79	4.60e-02	3.90e-03	1.06e-02	3.93e-02	1.54e-02
2	52	290	0.74	-0.38	6.70e-02	0.29	0.55	3.39e-02	2.35e-02	2.68e-02	3.05e-02	-4.84e-03
2	52	291	0.22	-0.34	-0.16	3.57e-02	0.27	2.54e-02	7.28e-03	1.24e-02	2.02e-02	8.17e-03
2	52	292	2.09	-1.43	-0.51	1.17	1.55	4.67	-0.67	3.41	0.60	-2.28
2	52	293	2.08	-1.51	-0.40	0.97	1.66	3.17	-5.59e-02	2.42	0.69	-1.36
2	52	294	2.04	-1.50	-0.31	0.85	1.67	1.90	0.13	1.50	0.53	-0.74
2	52	295	1.96	-1.43	-0.25	0.77	1.61	1.00	0.15	0.82	0.34	-0.35
2	52	296	1.80	-1.34	-0.23	0.69	1.50	0.45	0.11	0.38	0.18	-0.14
2	52	297	1.57	-1.23	-0.24	0.58	1.33	0.16	8.34e-02	0.14	0.10	-3.22e-02
2	52	298	1.36	-1.04	-0.23	0.55	1.13	6.31e-02	5.22e-02	5.87e-02	5.66e-02	5.37e-03
2	52	299	1.14	-0.77	-0.17	0.54	0.89	4.32e-02	2.28e-02	3.13e-02	3.48e-02	1.00e-02
2	52	300	0.96	-0.43	-4.19e-02	0.57	0.62	2.66e-02	2.27e-03	4.24e-03	2.46e-02	-6.64e-03
2	52	301	0.61	-0.32	-0.13	0.41	0.38	2.73e-02	6.87e-03	8.24e-03	2.59e-02	5.12e-03
2	52	302	1.91	-1.88	-0.83	0.86	1.70	5.11	-0.94	4.40	-0.23	-1.94
2	52	303	2.00	-1.88	-0.64	0.76	1.81	3.52	-0.15	3.12	0.25	-1.15
2	52	304	2.02	-1.81	-0.51	0.72	1.82	2.14	0.11	1.92	0.32	-0.62
2	52	305	1.98	-1.68	-0.40	0.70	1.75	1.13	0.15	1.03	0.25	-0.30
2	52	306	1.88	-1.50	-0.32	0.69	1.61	0.50	0.11	0.46	0.15	-0.12
2	52	307	1.72	-1.30	-0.27	0.69	1.43	0.17	7.53e-02	0.16	8.70e-02	-3.13e-02
2	52	308	1.54	-1.04	-0.23	0.73	1.20	4.82e-02	3.25e-02	3.26e-02	4.81e-02	-1.25e-03
2	52	309	1.34	-0.75	-0.18	0.78	0.93	3.53e-02	1.45e-02	1.46e-02	3.52e-02	1.44e-03
2	52	310	1.16	-0.45	-0.12	0.84	0.65	4.09e-02	8.91e-03	1.27e-02	3.71e-02	-1.04e-02
2	52	311	0.97	-0.25	-8.84e-02	0.81	0.41	2.89e-02	3.69e-03	3.74e-03	2.89e-02	1.10e-03
2	52	312	1.66	-2.37	-1.37	0.66	1.74	5.37	-1.16	5.18	-0.97	-1.09
2	52	313	1.84	-2.25	-1.05	0.64	1.86	3.75	-0.23	3.64	-0.12	-0.65
2	52	314	1.94	-2.09	-0.82	0.67	1.87	2.29	8.80e-02	2.23	0.14	-0.35
2	52	315	1.95	-1.89	-0.64	0.70	1.80	1.21	0.15	1.18	0.18	-0.17
2	52	316	1.91	-1.64	-0.50	0.77	1.66	0.53	0.12	0.52	0.13	-6.84e-02
2	52	317	1.82	-1.35	-0.38	0.84	1.46	0.17	6.99e-02	0.17	7.52e-02	-2.26e-02
2	52	318	1.67	-1.04	-0.29	0.92	1.21	4.61e-02	1.53e-02	1.77e-02	4.37e-02	-8.21e-03
2	52	319	1.51	-0.68	-0.19	1.02	0.91	3.22e-02	-1.88e-02	-1.72e-02	3.06e-02	-8.88e-03
2	52	320	1.36	-0.34	-0.12	1.14	0.58	3.47e-02	-5.28e-03	-1.85e-03	3.13e-02	-1.12e-02
2	52	321	1.32	-0.22	-0.13	1.23	0.36	3.86e-02	1.13e-04	8.26e-03	3.04e-02	-1.57e-02
2	52	322	1.25	-2.72	-1.98	0.51	1.54	5.44	-1.22	5.44	-1.22	0.10
2	52	323	1.54	-2.47	-1.50	0.57	1.72	3.82	-0.25	3.82	-0.25	5.21e-02
2	52	324	1.73	-2.24	-1.16	0.65	1.77	2.33	8.25e-02	2.33	8.28e-02	2.44e-02
2	52	325	1.83	-1.99	-0.90	0.74	1.72	1.23	0.15	1.23	0.15	8.18e-03
2	52	326	1.85	-1.70	-0.70	0.85	1.60	0.53	0.11	0.53	0.11	-2.15e-03
2	52	327	1.81	-1.38	-0.53	0.96	1.41	0.16	6.92e-02	0.16	7.02e-02	-9.58e-03
2	52	328	1.72	-1.03	-0.39	1.08	1.16	4.46e-02	-2.91e-03	2.74e-03	3.90e-02	-1.54e-02
2	52	329	1.61	-0.65	-0.26	1.22	0.86	3.20e-02	-3.70e-02	-3.10e-02	2.61e-02	-1.94e-02
2	52	330	1.52	-0.28	-0.13	1.36	0.51	3.27e-02	-1.97e-02	-1.41e-02	2.71e-02	-1.62e-02
2	52	331	1.57	-0.13	-8.33e-02	1.53	0.26	3.40e-02	5.68e-03	7.72e-03	3.19e-02	-7.30e-03
2	52	332	0.68	-2.77	-2.36	0.27	1.11	5.34	-1.11	5.08	-0.86	1.26
2	52	333	1.12	-2.46	-1.78	0.44	1.40	3.71	-0.21	3.57	-7.28e-02	0.73
2	52	334	1.42	-2.21	-1.38	0.58	1.52	2.25	9.22e-02	2.18	0.16	0.39
2	52	335	1.61	-1.95	-1.08	0.74	1.53	1.18	0.14	1.15	0.17	0.18
2	52	336	1.71	-1.67	-0.84	0.88	1.45	0.50	0.11	0.49	0.12	6.10e-02
2	52	337	1.74	-1.36	-0.65	1.03	1.30	0.14	6.97e-02	0.14	6.97e-02	1.94e-03
2	52	338	1.73	-1.01	-0.47	1.19	1.09	4.35e-02	-2.07e-02	-1.11e-02	3.40e-02	-2.29e-02
2	52	339	1.68	-0.65	-0.32	1.35	0.82	3.31e-02	-5.06e-02	-3.90e-02	2.15e-02	-2.89e-02
2	52	340	1.62	-0.28	-0.15	1.49	0.48	6.32e-02	-5.63e-02	-1.70e-02	2.39e-02	-5.61e-02
2	52	341	1.85	-8.31e-02	-7.05e-02	1.84	0.16	4.05e-02	-7.39e-03	-9.39e-04	3.40e-02	-1.63e-02
2	52	342	5.88e-02	-2.49	-2.31	-0.12	0.65	5.05	-0.88	4.26	-8.83e-02	2.02

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2	52	343	0.63	-2.22	-1.77	0.18	1.03	3.45	-0.14	3.01	0.31	1.18
2	52	344	1.04	-2.01	-1.39	0.41	1.23	2.07	0.11	1.84	0.34	0.63
2	52	345	1.32	-1.79	-1.10	0.63	1.30	1.07	0.14	0.97	0.25	0.29
2	52	346	1.51	-1.54	-0.86	0.83	1.27	0.45	0.11	0.41	0.15	0.10
2	52	347	1.63	-1.24	-0.65	1.03	1.16	0.11	6.68e-02	0.10	6.81e-02	6.85e-03
2	52	348	1.68	-0.94	-0.47	1.21	1.00	4.22e-02	-3.84e-02	-2.44e-02	2.82e-02	-3.06e-02
2	52	349	1.68	-0.63	-0.33	1.38	0.78	3.37e-02	-6.02e-02	-4.26e-02	1.61e-02	-3.66e-02
2	52	350	1.71	-0.13	-5.58e-02	1.64	0.35	3.32e-02	-5.01e-02	-3.67e-02	1.98e-02	-3.06e-02
2	52	351	1.91	-2.82e-02	-1.97e-02	1.90	-0.13	3.69e-02	1.20e-03	1.89e-03	3.62e-02	-4.92e-03
2	52	352	-0.48	-1.99	-1.89	-0.58	0.37	4.59	-0.58	3.25	0.75	2.27
2	52	353	0.19	-1.84	-1.49	-0.16	0.77	3.07	-3.79e-02	2.31	0.73	1.34
2	52	354	0.68	-1.71	-1.18	0.15	0.99	1.82	0.13	1.41	0.53	0.72
2	52	355	1.01	-1.56	-0.95	0.40	1.10	0.93	0.14	0.74	0.33	0.33
2	52	356	1.27	-1.34	-0.73	0.66	1.11	0.37	0.11	0.30	0.17	0.11
2	52	357	1.46	-1.07	-0.54	0.93	1.03	6.60e-02	5.88e-02	6.35e-02	6.14e-02	3.41e-03
2	52	358	1.52	-0.82	-0.40	1.10	0.90	5.31e-04	-8.44e-02	-2.28e-02	-6.11e-02	-3.79e-02
2	52	359	1.72	-0.39	-4.94e-02	1.38	0.77	-3.90e-02	-0.13	-9.40e-02	-7.13e-02	-4.21e-02
2	52	360	1.50	8.66e-02	0.11	1.47	0.18	6.76e-03	-8.08e-02	-1.37e-02	-6.04e-02	-3.70e-02
2	52	361	1.73	0.14	0.27	1.60	-0.43	0.11	-7.34e-02	4.20e-03	3.70e-02	-9.26e-02
2	52	362	-0.99	-1.69	-1.42	-1.27	0.34	4.01	-0.32	2.33	1.36	2.11
2	52	363	-0.15	-1.60	-1.09	-0.66	0.69	2.60	2.17e-02	1.63	0.99	1.25
2	52	364	0.36	-1.51	-0.84	-0.31	0.90	1.50	0.11	0.99	0.62	0.67
2	52	365	0.68	-1.40	-0.67	-5.05e-02	0.99	0.76	0.13	0.52	0.37	0.30
2	52	366	0.90	-1.24	-0.54	0.20	1.00	0.29	9.12e-02	0.21	0.17	9.59e-02
2	52	367	1.02	-1.03	-0.41	0.41	0.94	6.00e-02	4.04e-02	4.27e-02	5.77e-02	-6.27e-03
2	52	368	1.27	-0.60	-6.77e-02	0.73	0.84	1.76e-02	-0.11	-9.08e-02	1.98e-05	-4.37e-02
2	52	369	1.22	-0.32	6.27e-02	0.84	0.67	2.83e-02	-6.21e-02	-2.26e-02	-1.13e-02	-4.48e-02
2	52	370	0.86	0.25	0.27	0.85	8.69e-02	4.38e-02	-4.13e-02	-6.41e-03	8.87e-03	-4.18e-02
2	52	371	2.13	1.28e-02	0.65	1.49	-0.97	3.51e-02	-5.63e-02	-5.62e-02	3.50e-02	-2.17e-03
2	52	372	-0.61	-1.88	-0.76	-1.73	0.41	3.34	-0.13	1.60	1.61	1.73
2	52	373	-6.54e-02	-1.61	-0.48	-1.20	0.69	2.10	5.97e-02	1.09	1.06	1.02
2	52	374	0.28	-1.49	-0.34	-0.88	0.84	1.20	0.12	0.67	0.65	0.54
2	52	375	0.50	-1.35	-0.23	-0.62	0.91	0.57	9.54e-02	0.34	0.32	0.24
2	52	376	0.64	-1.21	-0.16	-0.40	0.92	0.20	6.08e-02	0.15	0.11	6.51e-02
2	52	377	0.76	-0.87	2.55e-02	-0.13	0.81	4.73e-02	-1.32e-03	7.37e-03	3.86e-02	-1.86e-02
2	52	378	1.05	-0.36	0.39	0.30	0.70	-4.67e-03	-0.10	-5.44e-02	-5.03e-02	-4.76e-02
2	52	379	0.99	-8.66e-02	0.49	0.41	0.54	1.38e-02	-8.05e-02	-2.16e-02	-4.51e-02	-4.57e-02
2	52	380	1.05	0.33	0.72	0.66	0.36	-1.60e-02	-7.58e-02	-4.76e-02	-4.42e-02	-2.99e-02
2	52	381	2.36	-7.89e-02	1.19	1.09	-1.22	-2.33e-02	-6.41e-02	-2.37e-02	-6.37e-02	-3.91e-03
2	52	382	-0.29	-2.62	-0.33	-2.58	0.33	4.00	-0.32	1.32	2.35	2.10
2	52	383	0.15	-2.17	-7.80e-02	-1.94	0.69	2.59	2.81e-02	0.99	1.63	1.24
2	52	384	0.59	-1.81	0.16	-1.38	0.92	1.47	0.11	0.62	0.96	0.66
2	52	385	0.81	-1.60	0.27	-1.05	1.01	0.73	0.11	0.35	0.50	0.30
2	52	386	1.00	-1.38	0.43	-0.81	1.02	0.26	6.91e-02	0.14	0.19	9.41e-02
2	52	387	1.11	-1.04	0.61	-0.53	0.91	3.38e-02	1.71e-02	2.83e-02	2.25e-02	-7.80e-03
2	52	388	1.22	-0.59	0.82	-0.19	0.76	-1.47e-02	-0.11	-5.38e-02	-6.71e-02	-4.53e-02
2	52	389	1.16	-0.26	0.90	7.53e-03	0.55	1.29e-02	-9.85e-02	-7.32e-02	-1.24e-02	-4.66e-02
2	52	390	0.94	0.23	0.90	0.28	0.18	7.05e-02	-9.62e-02	-2.87e-02	3.00e-03	-8.18e-02
2	52	391	1.83	0.13	1.39	0.57	-0.75	1.97e-02	-6.22e-03	1.34e-02	8.03e-05	-1.11e-02
2	52	392	0.32	-3.50	0.27	-3.44	0.45	4.57	-0.59	0.70	3.27	2.24
2	52	393	0.62	-2.93	0.42	-2.73	0.83	3.05	-4.32e-02	0.70	2.31	1.32
2	52	394	0.87	-2.53	0.52	-2.17	1.04	1.80	0.13	0.52	1.42	0.71
2	52	395	1.12	-2.14	0.61	-1.64	1.17	0.90	0.13	0.31	0.72	0.33
2	52	396	1.31	-1.82	0.78	-1.29	1.17	0.35	0.10	0.16	0.29	0.11
2	52	397	1.56	-1.31	1.09	-0.85	1.06	3.40e-02	2.09e-02	2.11e-02	3.39e-02	1.15e-03
2	52	398	1.55	-0.94	1.18	-0.57	0.88	-2.96e-03	-8.66e-02	-5.61e-02	-3.35e-02	-4.03e-02
2	52	399	1.52	-0.48	1.29	-0.25	0.64	-8.17e-03	-0.10	-4.50e-02	-6.37e-02	-4.52e-02
2	52	400	1.34	1.39e-02	1.32	4.01e-02	0.19	6.81e-02	-7.40e-02	-4.32e-03	-1.57e-03	-7.11e-02
2	52	401	1.88	5.95e-02	1.74	0.20	-0.49	5.98e-02	-2.04e-02	2.18e-02	1.75e-02	-4.00e-02
2	52	402	0.97	-4.46	0.83	-4.31	0.88	5.01	-0.88	-0.13	4.26	1.97
2	52	403	1.21	-3.69	0.89	-3.36	1.23	3.42	-0.14	0.28	3.00	1.15
2	52	404	1.42	-3.14	0.93	-2.66	1.41	2.05	0.11	0.33	1.83	0.62
2	52	405	1.61	-2.69	1.02	-2.10	1.47	1.06	0.14	0.24	0.96	0.28
2	52	406	1.73	-2.23	1.13	-1.64	1.41	0.44	0.11	0.15	0.41	9.76e-02
2	52	407	1.83	-1.72	1.28	-1.18	1.28	9.66e-02	5.64e-02	5.68e-02	9.62e-02	4.07e-03

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2	52	408	1.82	-1.23	1.37	-0.78	1.07	3.05e-02	-5.53e-02	1.44e-02	-3.92e-02	-3.36e-02
2	52	409	1.70	-0.74	1.44	-0.48	0.75	2.01e-02	-7.75e-02	-2.10e-03	-5.53e-02	-4.09e-02
2	52	410	1.58	-0.20	1.53	-0.15	0.29	5.10e-02	-6.45e-02	-4.23e-03	-9.29e-03	-5.77e-02
2	52	411	1.98	-6.24e-02	1.96	-4.12e-02	-0.21	3.75e-02	7.49e-03	2.86e-02	1.65e-02	-1.38e-02
2	52	412	1.69	-5.30	1.29	-4.90	1.63	5.29	-1.09	-0.86	5.06	1.19
2	52	413	1.86	-4.39	1.26	-3.79	1.85	3.67	-0.21	-8.22e-02	3.54	0.69
2	52	414	2.00	-3.72	1.25	-2.96	1.93	2.22	9.69e-02	0.16	2.15	0.37
2	52	415	2.13	-3.14	1.32	-2.32	1.91	1.16	0.14	0.17	1.13	0.17
2	52	416	2.15	-2.62	1.34	-1.80	1.79	0.50	0.12	0.12	0.49	5.63e-02
2	52	417	2.10	-2.10	1.37	-1.36	1.59	0.14	7.29e-02	7.30e-02	0.14	-1.24e-03
2	52	418	2.04	-1.52	1.46	-0.94	1.31	4.61e-02	-2.20e-02	3.36e-02	-9.38e-03	-2.64e-02
2	52	419	1.88	-0.96	1.52	-0.61	0.94	3.66e-02	-5.07e-02	2.00e-02	-3.42e-02	-3.43e-02
2	52	420	1.70	-0.38	1.59	-0.27	0.47	4.71e-02	-4.24e-02	1.89e-02	-1.42e-02	-4.16e-02
2	52	421	1.87	-7.14e-02	1.86	-5.75e-02	0.16	7.77e-02	-2.89e-02	3.32e-02	1.56e-02	-5.25e-02
2	52	422	2.39	-5.87	1.52	-4.99	2.55	5.38	-1.18	-1.18	5.38	3.93e-02
2	52	423	2.49	-4.89	1.44	-3.84	2.58	3.76	-0.24	-0.24	3.76	2.14e-02
2	52	424	2.55	-4.14	1.40	-2.99	2.53	2.28	8.57e-02	8.58e-02	2.28	9.66e-03
2	52	425	2.58	-3.51	1.39	-2.33	2.41	1.20	0.15	0.15	1.20	1.11e-03
2	52	426	2.54	-2.93	1.41	-1.79	2.21	0.52	0.12	0.12	0.52	-6.10e-03
2	52	427	2.44	-2.35	1.44	-1.34	1.95	0.16	7.28e-02	7.46e-02	0.16	-1.30e-02
2	52	428	2.28	-1.75	1.49	-0.95	1.60	5.49e-02	2.57e-03	4.59e-02	1.15e-02	-1.97e-02
2	52	429	2.06	-1.12	1.54	-0.61	1.17	4.47e-02	-2.87e-02	3.43e-02	-1.83e-02	-2.56e-02
2	52	430	1.81	-0.50	1.61	-0.29	0.66	4.80e-02	-1.65e-02	3.36e-02	-2.02e-03	-2.69e-02
2	52	431	1.74	-0.17	1.66	-9.38e-02	0.38	5.31e-02	7.56e-04	3.59e-02	1.79e-02	-2.46e-02
2	52	432	2.98	-6.09	1.46	-4.56	3.39	5.29	-1.11	-0.90	5.09	-1.12
2	52	433	3.01	-5.12	1.39	-3.50	3.25	3.68	-0.21	-9.45e-02	3.57	-0.66
2	52	434	3.02	-4.37	1.36	-2.71	3.08	2.24	8.84e-02	0.15	2.18	-0.35
2	52	435	2.93	-3.73	1.31	-2.10	2.86	1.18	0.15	0.18	1.15	-0.17
2	52	436	2.85	-3.12	1.33	-1.60	2.60	0.52	0.12	0.13	0.51	-7.03e-02
2	52	437	2.72	-2.52	1.38	-1.17	2.29	0.17	7.21e-02	7.92e-02	0.17	-2.59e-02
2	52	438	2.48	-1.94	1.38	-0.84	1.91	6.21e-02	2.63e-02	5.62e-02	3.22e-02	-1.33e-02
2	52	439	2.22	-1.29	1.44	-0.51	1.46	5.13e-02	-3.77e-03	4.63e-02	1.23e-03	-1.58e-02
2	52	440	1.91	-0.65	1.51	-0.24	0.93	5.60e-02	5.43e-03	4.70e-02	1.45e-02	-1.94e-02
2	52	441	1.60	-0.30	1.39	-8.25e-02	0.60	7.54e-02	-1.95e-02	3.74e-02	1.85e-02	-4.65e-02
2	52	442	3.40	-5.94	1.20	-3.74	3.97	5.03	-0.87	-0.16	4.31	-1.92
2	52	443	3.37	-5.07	1.17	-2.87	3.70	3.45	-0.13	0.28	3.04	-1.13
2	52	444	3.33	-4.35	1.18	-2.21	3.45	2.08	0.12	0.33	1.87	-0.61
2	52	445	3.23	-3.74	1.16	-1.67	3.18	1.10	0.15	0.25	1.00	-0.29
2	52	446	3.05	-3.16	1.14	-1.24	2.87	0.49	0.11	0.15	0.45	-0.12
2	52	447	2.81	-2.65	1.09	-0.94	2.53	0.18	8.67e-02	0.10	0.17	-3.42e-02
2	52	448	2.56	-2.11	1.12	-0.67	2.16	7.29e-02	5.73e-02	6.86e-02	6.17e-02	-7.01e-03
2	52	449	2.27	-1.47	1.17	-0.38	1.70	6.28e-02	3.50e-02	6.14e-02	3.64e-02	-6.11e-03
2	52	450	1.92	-0.80	1.25	-0.13	1.17	8.32e-02	-5.38e-03	6.57e-02	1.21e-02	-3.53e-02
2	52	451	1.29	-0.25	0.94	9.36e-02	0.64	3.79e-02	1.93e-02	3.79e-02	1.94e-02	-8.86e-04
2	52	452	3.63	-5.53	0.90	-2.80	4.19	4.59	-0.61	0.65	3.33	-2.23
2	52	453	3.56	-4.77	0.91	-2.12	3.88	3.09	-4.15e-02	0.69	2.36	-1.32
2	52	454	3.48	-4.13	0.95	-1.59	3.59	1.85	0.13	0.52	1.46	-0.72
2	52	455	3.38	-3.65	0.98	-1.25	3.33	0.99	0.15	0.33	0.81	-0.34
2	52	456	3.19	-3.12	0.94	-0.87	3.02	0.45	0.11	0.18	0.38	-0.13
2	52	457	2.79	-2.72	0.76	-0.69	2.66	0.20	0.12	0.14	0.18	-3.49e-02
2	52	458	2.54	-2.16	0.80	-0.42	2.27	0.10	6.45e-02	0.10	6.45e-02	-9.05e-04
2	52	459	2.25	-1.56	0.85	-0.16	1.84	6.76e-02	4.29e-02	6.74e-02	4.31e-02	2.14e-03
2	52	460	1.92	-0.91	0.95	5.87e-02	1.34	6.33e-02	-1.81e-02	3.02e-02	1.51e-02	-4.00e-02
2	52	461	1.06	-0.30	0.60	0.16	0.64	3.80e-02	2.27e-02	3.68e-02	2.39e-02	4.00e-03
2	52	462	3.68	-4.97	0.63	-1.92	4.13	4.02	-0.34	1.28	2.40	-2.11
2	52	463	3.55	-4.43	0.62	-1.51	3.84	2.66	4.68e-02	1.00	1.72	-1.26
2	52	464	3.38	-4.01	0.62	-1.24	3.57	1.60	0.16	0.66	1.11	-0.68
2	52	465	3.30	-3.47	0.72	-0.90	3.28	0.83	0.15	0.38	0.60	-0.32
2	52	466	3.05	-3.01	0.65	-0.61	2.97	0.39	0.13	0.22	0.30	-0.12
2	52	467	2.75	-2.54	0.60	-0.39	2.60	0.16	9.73e-02	0.11	0.15	-2.87e-02
2	52	468	2.41	-2.10	0.53	-0.22	2.22	0.10	8.37e-02	0.10	8.46e-02	4.18e-03
2	52	469	2.17	-1.56	0.56	5.07e-02	1.84	0.10	1.69e-02	0.10	1.75e-02	7.48e-03
2	52	470	1.87	-1.01	0.64	0.22	1.42	9.71e-02	-3.38e-03	6.68e-02	2.70e-02	-4.61e-02
2	52	471	0.87	-0.34	0.39	0.13	0.59	3.92e-02	2.24e-02	3.34e-02	2.83e-02	8.05e-03
2	52	472	3.59	-4.44	0.46	-1.30	3.92	3.40	-0.14	1.57	1.69	-1.77

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2	52	473	3.40	-3.99	0.47	-1.06	3.61	2.21	0.11	1.11	1.22	-1.05
2	52	474	3.24	-3.52	0.51	-0.79	3.32	1.29	0.15	0.69	0.75	-0.57
2	52	475	3.10	-3.04	0.60	-0.54	3.02	0.68	0.14	0.39	0.43	-0.27
2	52	476	2.94	-2.62	0.65	-0.34	2.73	0.32	0.11	0.19	0.24	-9.90e-02
2	52	477	2.65	-2.21	0.61	-0.18	2.40	0.12	6.75e-02	0.11	7.76e-02	-2.00e-02
2	52	478	2.21	-2.00	0.38	-0.17	2.09	8.79e-02	6.16e-02	6.35e-02	8.60e-02	6.80e-03
2	52	479	1.92	-1.55	0.32	4.94e-02	1.73	7.36e-02	2.87e-02	3.05e-02	7.18e-02	8.80e-03
2	52	480	1.56	-1.22	0.20	0.14	1.39	8.03e-02	6.70e-02	7.12e-02	7.61e-02	6.18e-03
2	52	481	-0.13	-0.20	-0.13	-0.20	1.37e-02	0.12	5.69e-02	6.05e-02	0.11	1.43e-02
2	52	482	3.59	-4.51	0.46	-1.37	3.95	4.04	-0.36	2.31	1.37	-2.15
2	52	483	3.28	-4.08	0.37	-1.17	3.60	2.68	4.28e-02	1.65	1.07	-1.29
2	52	484	3.07	-3.61	0.39	-0.92	3.27	1.59	0.15	1.02	0.71	-0.70
2	52	485	2.85	-3.21	0.39	-0.76	2.97	0.83	0.14	0.58	0.39	-0.33
2	52	486	2.68	-2.76	0.47	-0.55	2.67	0.36	8.92e-02	0.26	0.19	-0.13
2	52	487	2.44	-2.32	0.50	-0.38	2.34	0.12	5.65e-02	9.15e-02	8.38e-02	-3.10e-02
2	52	488	2.02	-2.08	0.30	-0.35	2.02	9.59e-02	3.70e-02	9.56e-02	3.72e-02	3.61e-03
2	52	489	1.72	-1.63	0.27	-0.18	1.66	2.98e-02	1.12e-02	1.46e-02	2.64e-02	7.17e-03
2	52	490	1.04	-0.81	0.19	4.76e-02	0.93	3.25e-02	1.52e-02	1.82e-02	2.95e-02	6.55e-03
2	52	491	-5.38e-02	-0.56	-5.95e-02	-0.56	-5.34e-02	7.66e-02	3.81e-02	7.21e-02	4.26e-02	1.23e-02
2	52	492	3.54	-4.40	0.48	-1.35	3.86	4.63	-0.65	3.24	0.74	-2.32
2	52	493	3.22	-3.90	0.40	-1.09	3.48	3.13	-7.03e-02	2.33	0.73	-1.38
2	52	494	2.91	-3.50	0.35	-0.93	3.14	1.88	0.12	1.45	0.54	-0.75
2	52	495	2.63	-3.13	0.31	-0.81	2.83	0.99	0.13	0.79	0.34	-0.36
2	52	496	2.34	-2.76	0.31	-0.74	2.50	0.44	0.10	0.37	0.18	-0.14
2	52	497	2.01	-2.42	0.28	-0.69	2.16	0.16	6.54e-02	0.13	8.81e-02	-3.91e-02
2	52	498	1.70	-2.03	0.28	-0.61	1.81	0.12	2.47e-02	2.48e-02	0.12	-1.67e-03
2	52	499	1.25	-1.83	8.70e-02	-0.67	1.50	0.11	5.06e-02	5.07e-02	0.11	2.39e-03
2	52	500	0.55	-1.09	3.60e-02	-0.58	0.76	0.12	4.01e-03	4.03e-03	0.12	1.58e-03
2	52	501	6.00e-02	-0.73	-8.84e-03	-0.66	0.22	0.11	-6.52e-02	3.59e-03	4.20e-02	-8.59e-02
2	52	502	3.74	-4.03	0.81	-1.10	3.76	5.08	-0.95	4.25	-0.13	-2.07
2	52	503	3.34	-3.59	0.67	-0.92	3.37	3.51	-0.17	3.04	0.30	-1.22
2	52	504	2.97	-3.23	0.55	-0.81	3.02	2.14	9.76e-02	1.89	0.34	-0.66
2	52	505	2.60	-2.91	0.45	-0.77	2.68	1.14	0.14	1.02	0.26	-0.32
2	52	506	2.22	-2.61	0.37	-0.76	2.34	0.51	0.11	0.46	0.16	-0.13
2	52	507	1.82	-2.30	0.30	-0.77	1.99	0.17	7.49e-02	0.15	9.59e-02	-4.03e-02
2	52	508	1.45	-1.96	0.27	-0.77	1.62	5.12e-02	1.24e-02	1.44e-02	4.92e-02	-8.61e-03
2	52	509	1.04	-1.63	0.22	-0.81	1.24	3.38e-02	-1.95e-02	-1.88e-02	3.32e-02	-5.88e-03
2	52	510	0.38	-1.28	3.80e-02	-0.94	0.67	3.14e-02	1.00e-02	1.20e-02	2.95e-02	-6.15e-03
2	52	511	0.15	-1.21	0.10	-1.15	0.26	3.94e-02	-1.33e-03	3.00e-04	3.77e-02	-7.99e-03
2	52	512	4.15	-3.72	1.36	-0.94	3.77	5.36	-1.20	5.09	-0.93	-1.29
2	52	513	3.62	-3.36	1.09	-0.83	3.36	3.77	-0.25	3.62	-0.10	-0.75
2	52	514	3.15	-3.06	0.87	-0.79	2.99	2.31	7.89e-02	2.24	0.16	-0.41
2	52	515	2.70	-2.79	0.70	-0.80	2.64	1.24	0.14	1.20	0.18	-0.20
2	52	516	2.24	-2.52	0.56	-0.84	2.28	0.55	0.12	0.53	0.14	-8.48e-02
2	52	517	1.79	-2.23	0.43	-0.88	1.90	0.18	7.22e-02	0.17	8.36e-02	-3.26e-02
2	52	518	1.31	-1.95	0.32	-0.95	1.50	5.44e-02	-1.27e-03	3.84e-03	4.92e-02	-1.61e-02
2	52	519	0.84	-1.66	0.22	-1.04	1.08	3.71e-02	-3.99e-02	-3.60e-02	3.32e-02	-1.68e-02
2	52	520	0.36	-1.36	0.11	-1.12	0.60	5.98e-02	-5.72e-02	-2.50e-02	2.76e-02	-5.22e-02
2	52	521	0.17	-1.49	9.81e-02	-1.42	0.34	3.33e-02	-9.36e-03	-3.16e-04	2.43e-02	-1.74e-02
2	64	1	3.19	-5.66	-0.16	-2.31	-4.29	4.69	-0.76	1.86	2.07	2.73
2	64	2	3.07	-6.80	-8.46e-02	-3.65	-4.61	5.45	-1.26	1.31	2.88	3.26
2	64	3	3.21	-7.62	-0.79	-3.62	-5.23	6.10	-2.30	1.80	2.00	4.20
2	64	4	2.96	-6.27	-1.12	-2.19	-4.59	5.46	-1.28	2.74	1.44	3.31
2	64	5	3.41	-8.04	-1.64	-2.99	-5.69	6.38	-3.61	2.65	0.13	4.84
2	64	6	3.08	-6.30	-1.62	-1.60	-4.69	5.98	-2.02	3.76	0.20	3.58
2	64	7	3.51	-7.89	-2.44	-1.95	-5.69	6.30	-5.06	3.84	-2.60	4.67
2	64	8	3.07	-5.95	-1.93	-0.95	-4.48	6.29	-2.78	4.93	-1.42	3.24
2	64	9	3.49	-6.78	-2.45	-0.84	-5.07	6.00	-6.30	5.12	-5.42	3.17
2	64	10	3.09	-5.12	-1.68	-0.34	-4.05	6.41	-3.40	5.95	-2.94	2.07
2	64	11	3.94	-5.10	-1.17	9.83e-03	-4.48	5.80	-6.89	5.79	-6.88	0.37
2	64	12	3.40	-4.12	-0.83	0.11	-3.73	6.44	-3.69	6.43	-3.68	0.24
2	64	13	5.29	-4.09	0.36	0.84	-4.68	5.91	-6.56	5.34	-5.99	-2.61
2	64	14	4.14	-3.46	0.14	0.54	-3.80	6.42	-3.53	6.12	-3.23	-1.69
2	64	15	6.54	-3.76	0.89	1.89	-5.12	6.21	-5.44	4.10	-3.33	-4.48
2	64	16	4.98	-3.21	0.67	1.10	-4.09	6.31	-2.96	5.17	-1.82	-3.05

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2	64	17	6.93	-3.57	0.59	2.77	-5.14	6.36	-3.98	2.81	-0.44	-4.91
2	64	18	5.50	-3.10	0.69	1.72	-4.27	6.05	-2.21	3.98	-0.14	-3.57
2	64	19	6.73	-3.37	8.74e-02	3.28	-4.79	6.15	-2.63	1.88	1.64	-4.39
2	64	20	5.60	-3.01	0.44	2.15	-4.22	5.56	-1.48	2.89	1.19	-3.41
2	64	21	6.16	-3.16	-0.32	3.33	-4.29	5.56	-1.50	1.34	2.72	-3.47
2	64	22	5.18	-3.18	-0.22	2.22	-3.99	4.91	-0.85	2.16	1.91	-2.88
2	64	23	3.31	-7.71	0.74	-5.14	-4.66	5.97	-1.96	8.26e-02	3.93	3.47
2	64	24	3.42	-9.04	-6.64e-02	-5.56	-5.59	6.40	-3.56	-8.36e-02	2.91	4.75
2	64	25	3.89	-10.14	-0.93	-5.31	-6.66	6.18	-5.74	4.44e-02	0.39	5.96
2	64	26	4.25	-11.02	-2.61	-4.16	-7.60	5.24	-8.40	0.78	-3.94	6.40
2	64	27	4.13	-9.95	-3.70	-2.12	-7.00	3.90	-10.93	2.13	-9.15	4.82
2	64	28	4.64	-6.39	-1.70	-4.69e-02	-5.45	3.13	-12.21	3.11	-12.19	0.54
2	64	29	7.86	-4.82	0.98	2.06	-6.32	3.61	-11.55	2.43	-10.38	-4.05
2	64	30	9.35	-4.48	0.96	3.92	-6.76	4.89	-9.19	0.90	-5.20	-6.34
2	64	31	8.89	-4.07	-7.86e-02	4.90	-5.98	5.95	-6.42	-2.32e-02	-0.44	-6.18
2	64	32	8.14	-3.59	-0.60	5.14	-5.12	6.33	-4.05	-0.19	2.47	-5.02
2	64	33	7.10	-3.41	-1.11	4.81	-4.34	6.05	-2.29	-9.97e-03	3.77	-3.71
2	64	34	3.18	-8.53	1.41	-6.76	-4.20	6.29	-2.69	-1.49	5.09	3.05
2	64	35	3.49	-10.36	1.09	-7.96	-5.24	6.34	-4.95	-2.77	4.16	4.46
2	64	36	3.97	-12.48	0.44	-8.94	-6.75	5.32	-8.33	-4.28	1.27	6.23
2	64	37	5.09	-15.00	-0.67	-9.24	-9.08	2.89	-13.10	-5.37	-4.83	7.99
2	64	38	6.84	-20.96	-5.66	-8.46	-13.83	-0.82	-17.98	-4.74	-14.07	7.20
2	64	39	3.08	-6.45	-3.10	-0.27	-4.55	-3.14	-21.38	-3.17	-21.36	0.67
2	64	40	18.42	-7.35	2.62	8.44	-12.55	-2.06	-20.29	-4.87	-17.47	-6.59
2	64	41	13.22	-5.17	-0.69	8.75	-7.89	1.88	-14.58	-6.01	-6.70	-8.22
2	64	42	11.20	-4.22	-1.31	8.29	-6.04	4.75	-9.33	-4.82	0.25	-6.56
2	64	43	9.51	-3.72	-1.69	7.48	-4.77	6.13	-5.58	-3.15	3.70	-4.75
2	64	44	8.00	-3.30	-1.74	6.44	-3.90	6.30	-3.09	-1.75	4.96	-3.28
2	64	45	2.91	-8.93	2.01	-8.03	-3.14	6.42	-3.26	-2.89	6.06	1.83
2	64	46	3.12	-11.17	1.98	-10.03	-3.88	6.11	-6.09	-5.40	5.42	2.83
2	64	47	3.56	-14.14	1.99	-12.57	-5.03	4.14	-10.72	-9.31	2.73	4.36
2	64	48	4.39	-18.25	2.07	-15.93	-6.87	-0.58	-18.31	-15.07	-3.83	6.85
2	64	49	8.96	-20.74	6.10	-17.88	-8.76	-9.81	-33.28	-21.50	-21.58	11.73
2	64	50	3.80	-11.45	-6.04	-1.61	-7.29	-13.83	-38.57	-13.86	-38.54	0.79
2	64	51	20.40	-8.03	-6.64	19.02	-6.12	-12.51	-35.32	-23.89	-23.94	-11.40
2	64	52	16.55	-4.75	-3.11	14.90	-5.69	-2.52	-20.07	-16.49	-6.10	-7.07
2	64	53	13.09	-3.93	-2.74	11.90	-4.34	3.26	-11.83	-10.27	1.69	-4.60
2	64	54	10.52	-3.43	-2.53	9.61	-3.43	5.74	-6.82	-6.04	4.97	-3.02
2	64	55	8.55	-3.03	-2.29	7.81	-2.84	6.38	-3.71	-3.30	5.98	-1.98
2	64	56	2.52	-8.72	2.27	-8.47	-1.67	6.45	-3.48	-3.48	6.45	1.77e-02
2	64	57	2.62	-11.03	2.38	-10.78	-1.80	5.97	-6.54	-6.54	5.97	2.68e-02
2	64	58	2.77	-14.21	2.54	-13.98	-1.95	3.61	-11.68	-11.68	3.61	4.24e-02
2	64	59	2.16	-19.49	1.93	-19.26	-2.22	-2.20	-20.62	-20.62	-2.20	5.89e-02
2	64	60	-6.05	-29.62	-6.47	-29.19	-3.13	-10.35	-37.76	-37.76	-10.35	0.14
2	64	61	4.53	1.16	2.84	2.84	-1.68	-90.13	-90.14	-90.14	-90.14	5.14e-03
2	64	62	25.62	3.11	3.11	25.62	-0.20	-18.11	-39.70	-39.70	-18.11	-0.16
2	64	63	18.49	-3.01	-2.96	18.44	-1.05	-4.37	-22.31	-22.31	-4.37	-6.19e-02
2	64	64	13.71	-3.27	-3.17	13.62	-1.26	2.50	-12.84	-12.84	2.50	-4.76e-02
2	64	65	10.71	-2.97	-2.84	10.58	-1.33	5.55	-7.30	-7.30	5.55	-3.15e-02
2	64	66	8.56	-2.65	-2.49	8.40	-1.35	6.39	-3.94	-3.94	6.39	-2.22e-02
2	64	67	2.09	-7.90	2.08	-7.89	-0.22	6.42	-3.26	-2.91	6.07	-1.80
2	64	68	2.12	-9.84	2.11	-9.84	0.25	6.10	-6.11	-5.43	5.43	-2.78
2	64	69	2.33	-12.37	2.25	-12.29	1.09	4.12	-10.74	-9.37	2.75	-4.30
2	64	70	2.96	-15.77	2.66	-15.46	2.37	-0.63	-18.37	-15.20	-3.79	-6.79
2	64	71	7.74	-18.85	7.36	-18.48	3.15	-10.02	-33.43	-21.76	-21.69	-11.71
2	64	72	4.91	-4.21	2.46	-1.76	4.04	-14.58	-38.95	-14.60	-38.92	-0.79
2	64	73	19.83	-6.49	-5.42	18.75	5.22	-12.76	-35.48	-24.16	-24.08	11.36
2	64	74	16.23	-3.26	-2.52	15.49	3.72	-2.61	-20.09	-16.63	-6.06	6.96
2	64	75	12.47	-2.72	-2.48	12.23	1.89	3.23	-11.84	-10.33	1.72	4.53
2	64	76	9.89	-2.45	-2.39	9.83	0.80	5.73	-6.83	-6.08	4.99	2.96
2	64	77	7.96	-2.21	-2.21	7.96	0.15	6.38	-3.71	-3.32	5.99	1.94
2	64	78	1.64	-6.63	1.56	-6.55	0.79	6.29	-2.70	-1.52	5.11	-3.04
2	64	79	1.62	-7.95	1.36	-7.70	1.55	6.33	-4.98	-2.82	4.18	-4.44
2	64	80	1.69	-9.37	0.96	-8.64	2.74	5.30	-8.37	-4.37	1.30	-6.22
2	64	81	2.20	-11.02	0.34	-9.15	4.61	2.77	-13.18	-5.55	-4.86	-7.97

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2	64	82	3.66	-15.68	-3.11	-8.91	9.22	-1.03	-18.20	-5.01	-14.22	-7.25
2	64	83	2.78	-1.26	2.28	-0.76	1.33	-3.38	-21.60	-3.41	-21.57	-0.68
2	64	84	17.35	-4.18	5.15	8.02	10.67	-2.29	-20.51	-5.15	-17.64	6.63
2	64	85	11.88	-2.68	0.29	8.91	5.87	1.80	-14.72	-6.19	-6.73	8.25
2	64	86	9.90	-2.05	-0.80	8.65	3.65	4.70	-9.35	-4.92	0.27	6.53
2	64	87	8.28	-1.91	-1.41	7.78	2.20	6.12	-5.59	-3.20	3.73	4.72
2	64	88	6.87	-1.76	-1.57	6.68	1.26	6.30	-3.09	-1.78	4.98	3.26
2	64	89	1.23	-5.17	0.99	-4.93	1.22	5.98	-1.98	5.49e-02	3.95	-3.47
2	64	90	0.92	-5.90	0.36	-5.34	1.88	6.39	-3.59	-0.13	2.93	-4.75
2	64	91	0.96	-6.35	-0.20	-5.19	2.67	6.15	-5.80	-3.50e-02	0.38	-5.97
2	64	92	0.92	-6.48	-1.28	-4.28	3.38	5.16	-8.50	0.65	-3.99	-6.43
2	64	93	1.06	-4.97	-1.35	-2.56	2.96	3.80	-11.05	2.01	-9.26	-4.84
2	64	94	2.73	-1.98	1.34	-0.58	2.15	3.01	-12.34	2.99	-12.32	-0.54
2	64	95	6.34	-1.36	3.35	1.64	3.75	3.51	-11.67	2.31	-10.48	4.08
2	64	96	7.54	-1.43	2.28	3.83	4.42	4.81	-9.30	0.77	-5.26	6.38
2	64	97	7.03	-1.32	0.65	5.05	3.55	5.91	-6.47	-0.11	-0.45	6.19
2	64	98	6.40	-1.18	-0.17	5.39	2.57	6.32	-4.07	-0.24	2.49	5.01
2	64	99	5.53	-1.33	-0.86	5.06	1.74	6.05	-2.29	-3.40e-02	3.79	3.70
2	64	100	0.58	-3.80	0.24	-3.47	1.16	5.45	-1.29	1.28	2.89	-3.27
2	64	101	0.39	-4.08	-0.24	-3.45	1.56	6.10	-2.34	1.76	2.01	-4.22
2	64	102	0.25	-4.04	-0.77	-3.02	1.83	6.37	-3.66	2.59	0.12	-4.86
2	64	103	0.21	-3.54	-1.10	-2.23	1.79	6.26	-5.12	3.78	-2.64	-4.70
2	64	104	0.48	-2.32	-0.58	-1.26	1.36	5.95	-6.38	5.06	-5.49	-3.19
2	64	105	1.64	-1.15	0.96	-0.47	1.19	5.74	-6.97	5.73	-6.96	-0.37
2	64	106	3.39	-0.71	2.25	0.43	1.84	5.86	-6.64	5.28	-6.06	2.63
2	64	107	4.49	-0.62	2.24	1.63	2.53	6.17	-5.50	4.04	-3.37	4.51
2	64	108	4.79	-0.57	1.45	2.77	2.60	6.34	-4.03	2.76	-0.45	4.93
2	64	109	4.69	-0.59	0.62	3.48	2.22	6.14	-2.66	1.84	1.64	4.40
2	64	110	4.23	-0.66	1.93e-02	3.55	1.69	5.56	-1.52	1.32	2.73	3.47
2	64	111	0.18	-2.65	-0.12	-2.35	0.87	4.73	-0.75	1.91	2.07	-2.74
2	64	112	-0.11	-2.70	-0.59	-2.23	1.01	5.46	-1.31	2.71	1.44	-3.33
2	64	113	-0.21	-2.45	-0.80	-1.86	0.99	5.98	-2.05	3.73	0.19	-3.60
2	64	114	-0.20	-1.85	-0.77	-1.28	0.78	6.28	-2.82	4.90	-1.45	-3.26
2	64	115	8.09e-02	-1.05	-0.22	-0.75	0.50	6.40	-3.45	5.93	-2.99	-2.09
2	64	116	0.93	-0.50	0.76	-0.33	0.46	6.42	-3.74	6.41	-3.74	-0.24
2	64	117	1.98	-0.23	1.61	0.14	0.83	6.40	-3.58	6.10	-3.28	1.70
2	64	118	2.75	-0.12	1.84	0.79	1.34	6.30	-3.01	5.14	-1.85	3.07
2	64	119	3.12	-0.11	1.52	1.49	1.61	6.04	-2.25	3.96	-0.16	3.60
2	64	120	3.26	-9.79e-02	1.03	2.13	1.59	5.56	-1.50	2.87	1.19	3.43
2	64	121	3.11	-0.32	0.42	2.37	1.41	4.90	-0.88	2.07	1.95	2.89
2	64	122	0.62	-0.37	0.59	-0.35	-0.16	5.45	-1.28	5.45	-1.28	-0.13
2	64	123	1.19	-8.88e-02	1.18	-7.93e-02	0.11	5.38	-1.22	5.20	-1.03	1.09
2	64	124	0.75	-0.58	0.47	-0.30	-0.54	3.85	-0.28	3.85	-0.28	-6.65e-02
2	64	125	1.01	-0.24	0.92	-0.14	-0.34	3.79	-0.26	3.68	-0.15	0.65
2	64	126	0.90	-0.80	0.38	-0.28	-0.78	2.36	7.36e-02	2.36	7.41e-02	-3.28e-02
2	64	127	1.05	-0.50	0.74	-0.19	-0.62	2.32	7.37e-02	2.27	0.13	0.35
2	64	128	0.98	-0.96	0.31	-0.29	-0.92	1.26	0.14	1.26	0.14	-1.39e-02
2	64	129	1.05	-0.76	0.59	-0.30	-0.78	1.24	0.15	1.21	0.18	0.17
2	64	130	0.99	-1.04	0.25	-0.30	-0.98	0.55	0.12	0.55	0.12	-3.26e-03
2	64	131	1.02	-0.89	0.48	-0.35	-0.86	0.54	0.12	0.53	0.13	6.70e-02
2	64	132	0.92	-1.05	0.19	-0.33	-0.95	0.16	7.34e-02	0.16	7.36e-02	3.18e-03
2	64	133	0.93	-0.95	0.38	-0.40	-0.85	0.17	7.09e-02	0.16	7.43e-02	1.76e-02
2	64	134	0.77	-0.99	0.14	-0.36	-0.84	4.28e-02	-8.23e-03	-7.10e-03	4.17e-02	7.50e-03
2	64	135	0.74	-0.98	0.26	-0.50	-0.77	4.71e-02	6.38e-03	6.38e-03	4.71e-02	1.53e-04
2	64	136	0.55	-0.85	9.18e-02	-0.39	-0.66	2.82e-02	-4.77e-02	-4.62e-02	2.67e-02	1.07e-02
2	64	137	0.52	-0.90	0.18	-0.57	-0.60	3.31e-02	-3.37e-02	-3.37e-02	3.31e-02	-8.44e-04
2	64	138	0.26	-0.65	4.58e-02	-0.43	-0.39	2.65e-02	-2.93e-02	-2.61e-02	2.33e-02	1.29e-02
2	64	139	0.22	-0.78	8.41e-02	-0.64	-0.35	3.18e-02	-1.58e-02	-1.56e-02	3.16e-02	2.98e-03
2	64	140	7.84e-02	-0.53	2.65e-02	-0.48	-0.17	2.70e-02	-6.55e-03	-3.39e-03	2.39e-02	9.81e-03
2	64	141	2.23e-02	-0.85	1.09e-02	-0.84	-9.92e-02	4.04e-02	-2.24e-02	-2.27e-03	2.03e-02	2.93e-02
2	64	142	1.62	0.14	1.41	0.35	0.52	5.13	-0.99	4.42	-0.27	1.97
2	64	143	1.12	0.14	1.12	0.14	7.54e-03	3.56	-0.18	3.15	0.23	1.17
2	64	144	1.01	-0.10	0.91	9.77e-04	-0.32	2.17	9.86e-02	1.95	0.32	0.64
2	64	145	1.00	-0.41	0.76	-0.17	-0.53	1.15	0.14	1.05	0.25	0.31
2	64	146	0.92	-0.64	0.61	-0.33	-0.62	0.51	0.11	0.47	0.15	0.12

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2	64	147	0.76	-0.85	0.43	-0.52	-0.65	0.17	8.23e-02	0.16	9.18e-02	2.70e-02
2	64	148	0.58	-0.95	0.28	-0.64	-0.61	5.56e-02	2.81e-02	3.02e-02	5.35e-02	-7.25e-03
2	64	149	0.38	-0.93	0.19	-0.74	-0.46	4.40e-02	-1.41e-02	-1.16e-02	4.15e-02	-1.19e-02
2	64	150	0.13	-0.86	8.10e-02	-0.81	-0.21	4.92e-02	-3.18e-02	-2.71e-02	4.45e-02	1.89e-02
2	64	151	6.25e-02	-1.22	3.50e-02	-1.19	0.19	2.54e-02	-6.16e-03	2.98e-03	1.62e-02	-1.43e-02
2	64	152	1.93	0.22	1.26	0.89	0.84	4.71	-0.69	3.41	0.61	2.31
2	64	153	1.20	0.39	1.04	0.55	0.32	3.20	-8.42e-02	2.44	0.67	1.38
2	64	154	0.88	0.30	0.88	0.30	-1.39e-02	1.93	0.12	1.52	0.52	0.76
2	64	155	0.84	3.36e-02	0.76	0.12	-0.25	1.02	0.14	0.82	0.33	0.36
2	64	156	0.73	-0.33	0.56	-0.16	-0.39	0.46	0.11	0.39	0.18	0.14
2	64	157	0.48	-0.70	0.32	-0.53	-0.41	0.18	0.11	0.16	0.12	2.75e-02
2	64	158	0.37	-0.81	0.23	-0.67	-0.38	8.55e-02	1.19e-02	1.49e-02	8.24e-02	-1.46e-02
2	64	159	0.20	-0.88	0.12	-0.80	-0.28	4.80e-02	-1.88e-02	-1.15e-02	4.07e-02	-2.08e-02
2	64	160	-3.28e-02	-0.90	-4.08e-02	-0.89	-8.28e-02	2.09e-02	-3.22e-02	-1.55e-02	4.25e-03	2.47e-02
2	64	161	3.82e-02	-1.44	-0.13	-1.27	0.47	2.66e-02	-7.37e-03	6.85e-03	1.23e-02	-1.67e-02
2	64	162	2.20	0.19	0.89	1.49	0.96	4.15	-0.41	2.44	1.30	2.21
2	64	163	1.38	0.33	0.70	1.01	0.50	2.77	1.28e-02	1.77	1.01	1.33
2	64	164	0.74	0.36	0.50	0.60	0.18	1.67	0.15	1.15	0.68	0.72
2	64	165	0.36	0.33	0.36	0.33	-1.52e-02	0.87	0.14	0.62	0.39	0.34
2	64	166	0.30	-2.52e-02	0.25	2.95e-02	-0.12	0.39	0.12	0.30	0.21	0.13
2	64	167	0.17	-0.32	0.11	-0.26	-0.16	0.13	8.39e-02	0.11	9.81e-02	1.99e-02
2	64	168	-7.54e-03	-0.54	-4.52e-02	-0.50	-0.14	8.33e-02	2.00e-02	2.78e-02	7.54e-02	-2.09e-02
2	64	169	-0.15	-0.70	-0.16	-0.69	-8.03e-02	7.62e-02	-3.08e-02	-2.39e-02	6.93e-02	-2.63e-02
2	64	170	-0.33	-0.80	-0.33	-0.80	3.55e-02	5.40e-02	-2.84e-02	-1.27e-02	3.82e-02	3.24e-02
2	64	171	-4.62e-02	-1.53	-0.52	-1.05	0.69	2.79e-02	-8.10e-03	1.09e-02	8.89e-03	-1.80e-02
2	64	172	2.33	-7.14e-02	0.37	1.89	0.93	3.53	-0.18	1.71	1.63	1.85
2	64	173	1.68	-0.11	0.11	1.46	0.59	2.31	9.48e-02	1.25	1.16	1.11
2	64	174	1.20	-0.11	-1.47e-02	1.10	0.34	1.36	0.16	0.78	0.74	0.60
2	64	175	0.83	-0.17	-0.14	0.81	0.14	0.71	0.15	0.44	0.41	0.28
2	64	176	0.55	-0.18	-0.18	0.54	4.81e-02	0.27	7.60e-02	0.17	0.18	9.92e-02
2	64	177	0.20	-0.31	-0.31	0.20	3.36e-02	8.77e-02	4.57e-02	4.76e-02	8.57e-02	8.90e-03
2	64	178	-0.21	-0.58	-0.58	-0.21	2.89e-02	5.28e-02	3.35e-03	2.43e-02	3.18e-02	-2.44e-02
2	64	179	-0.38	-0.61	-0.59	-0.40	5.22e-02	3.33e-02	-4.68e-02	2.24e-02	-3.59e-02	-2.74e-02
2	64	180	-0.62	-0.80	-0.73	-0.69	8.95e-02	4.41e-02	-3.79e-05	3.37e-02	1.03e-02	-1.87e-02
2	64	181	0.24	-2.19	-1.00	-0.95	1.22	0.10	-3.10e-02	9.62e-02	-2.70e-02	-2.25e-02
2	64	182	3.29	-0.49	-0.13	2.93	1.11	4.16	-0.43	1.36	2.37	2.24
2	64	183	2.50	-0.59	-0.40	2.32	0.73	2.78	1.77e-02	1.09	1.72	1.35
2	64	184	1.84	-0.79	-0.69	1.75	0.49	1.69	0.18	0.77	1.09	0.74
2	64	185	1.40	-0.88	-0.84	1.36	0.30	0.87	0.15	0.43	0.58	0.35
2	64	186	1.08	-0.79	-0.78	1.07	0.14	0.36	8.80e-02	0.18	0.27	0.13
2	64	187	0.74	-0.86	-0.86	0.74	8.41e-02	8.98e-02	4.23e-02	5.50e-02	7.72e-02	2.10e-02
2	64	188	0.25	-1.11	-1.11	0.25	2.71e-02	5.18e-02	-1.27e-02	-4.93e-03	4.41e-02	-2.10e-02
2	64	189	-1.93e-02	-1.15	-1.15	-2.30e-02	6.51e-02	-2.88e-03	-5.95e-02	-2.07e-02	-4.16e-02	-2.63e-02
2	64	190	-0.12	-1.35	-1.12	-0.34	0.48	4.10e-04	-4.31e-02	-1.30e-02	-2.96e-02	-2.01e-02
2	64	191	0.19	-2.46	-1.64	-0.62	1.22	6.19e-02	-2.38e-02	-1.78e-02	5.59e-02	-2.19e-02
2	64	192	4.28	-1.21	-0.97	4.05	1.11	4.74	-0.72	0.68	3.34	2.39
2	64	193	3.31	-1.15	-1.04	3.19	0.70	3.23	-9.73e-02	0.71	2.42	1.43
2	64	194	2.58	-1.18	-1.13	2.53	0.43	1.96	0.11	0.54	1.52	0.78
2	64	195	2.01	-1.28	-1.26	1.99	0.26	1.03	0.13	0.34	0.83	0.38
2	64	196	1.51	-1.39	-1.38	1.51	0.15	0.44	9.66e-02	0.18	0.36	0.14
2	64	197	1.13	-1.51	-1.51	1.13	0.10	0.11	4.46e-02	6.19e-02	9.49e-02	2.94e-02
2	64	198	0.78	-1.66	-1.66	0.77	0.11	8.30e-02	-2.81e-02	8.09e-02	-2.60e-02	-1.52e-02
2	64	199	0.18	-1.91	-1.91	0.18	4.60e-02	7.58e-02	-2.96e-03	6.92e-02	3.72e-03	-2.19e-02
2	64	200	-4.55e-02	-2.08	-1.98	-0.15	0.44	8.13e-02	-3.59e-02	7.87e-02	-3.34e-02	-1.72e-02
2	64	201	-2.47e-02	-2.25	-1.96	-0.31	0.75	6.08e-02	-8.52e-02	-1.20e-02	-1.24e-02	7.30e-02
2	64	202	5.27	-1.63	-1.56	5.20	0.68	5.18	-1.04	-0.23	4.38	2.08
2	64	203	4.09	-1.56	-1.54	4.07	0.33	3.61	-0.20	0.26	3.16	1.24
2	64	204	3.22	-1.59	-1.58	3.22	0.12	2.21	8.90e-02	0.33	1.97	0.68
2	64	205	2.54	-1.65	-1.65	2.54	2.69e-03	1.18	0.14	0.26	1.07	0.33
2	64	206	1.97	-1.75	-1.75	1.97	-4.77e-02	0.52	0.11	0.15	0.47	0.13
2	64	207	1.49	-1.87	-1.87	1.49	-5.22e-02	0.14	5.27e-02	6.41e-02	0.13	3.01e-02
2	64	208	1.04	-2.03	-2.03	1.04	-1.86e-02	2.35e-02	-2.40e-02	2.22e-02	-2.27e-02	-7.70e-03
2	64	209	0.65	-2.18	-2.18	0.65	3.49e-02	4.11e-03	-7.32e-02	1.59e-03	-7.07e-02	-1.37e-02
2	64	210	0.17	-2.46	-2.44	0.15	0.25	3.83e-03	-2.75e-02	-1.35e-03	-2.23e-02	-1.16e-02
2	64	211	9.03e-02	-2.64	-2.56	5.02e-03	0.48	1.12e-03	-2.02e-02	-3.44e-03	-1.56e-02	-8.74e-03

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2	64	212	6.07	-2.06	-2.06	6.07	-0.18	5.44	-1.28	-1.05	5.21	1.23
2	64	213	4.74	-1.96	-1.94	4.72	-0.37	3.86	-0.28	-0.15	3.73	0.73
2	64	214	3.75	-1.95	-1.91	3.71	-0.45	2.39	7.09e-02	0.14	2.32	0.39
2	64	215	2.97	-1.98	-1.94	2.92	-0.46	1.28	0.14	0.18	1.25	0.19
2	64	216	2.31	-2.05	-2.01	2.27	-0.43	0.56	0.11	0.13	0.55	7.68e-02
2	64	217	1.75	-2.16	-2.13	1.71	-0.35	0.16	6.76e-02	7.28e-02	0.16	2.12e-02
2	64	218	1.24	-2.28	-2.26	1.22	-0.25	3.39e-02	-2.42e-02	3.39e-02	-2.42e-02	4.20e-04
2	64	219	0.78	-2.41	-2.41	0.77	-0.14	1.45e-02	-7.21e-02	1.44e-02	-7.20e-02	-2.29e-03
2	64	220	0.35	-2.55	-2.55	0.35	-3.62e-04	2.35e-02	-6.57e-02	8.78e-03	-5.10e-02	3.31e-02
2	64	221	0.14	-2.85	-2.84	0.14	0.13	6.81e-03	-1.59e-02	6.49e-03	-1.56e-02	-2.69e-03
2	64	222	6.56	-2.47	-2.27	6.36	-1.33	5.52	-1.37	-1.37	5.52	-1.34e-02
2	64	223	5.15	-2.32	-2.10	4.93	-1.27	3.94	-0.31	-0.31	3.94	-7.59e-03
2	64	224	4.09	-2.26	-2.04	3.87	-1.18	2.44	6.22e-02	6.22e-02	2.44	-3.45e-03
2	64	225	3.25	-2.25	-2.04	3.04	-1.06	1.31	0.14	0.14	1.31	-1.37e-04
2	64	226	2.54	-2.28	-2.10	2.36	-0.92	0.57	0.12	0.12	0.57	2.88e-03
2	64	227	1.92	-2.33	-2.19	1.78	-0.76	0.16	7.23e-02	7.27e-02	0.16	5.85e-03
2	64	228	1.37	-2.40	-2.31	1.27	-0.59	3.87e-02	-2.78e-02	3.76e-02	-2.66e-02	8.70e-03
2	64	229	0.87	-2.50	-2.45	0.82	-0.41	2.03e-02	-7.66e-02	1.90e-02	-7.54e-02	1.08e-02
2	64	230	0.42	-2.64	-2.62	0.40	-0.24	1.37e-02	-5.21e-02	1.28e-02	-5.12e-02	7.68e-03
2	64	231	0.16	-2.79	-2.78	0.15	-0.16	1.14e-02	-2.58e-02	1.11e-02	-2.55e-02	3.31e-03
2	64	232	6.65	-2.81	-2.11	5.96	-2.47	5.44	-1.28	-1.04	5.20	-1.25
2	64	233	5.28	-2.62	-1.97	4.63	-2.17	3.86	-0.28	-0.15	3.72	-0.74
2	64	234	4.23	-2.51	-1.92	3.64	-1.90	2.38	6.75e-02	0.14	2.31	-0.40
2	64	235	3.37	-2.46	-1.94	2.86	-1.66	1.27	0.14	0.17	1.24	-0.19
2	64	236	2.65	-2.44	-2.00	2.21	-1.43	0.55	0.12	0.13	0.54	-7.04e-02
2	64	237	2.01	-2.43	-2.08	1.66	-1.20	0.15	7.21e-02	7.32e-02	0.15	-8.90e-03
2	64	238	1.44	-2.45	-2.19	1.18	-0.97	3.91e-02	-3.54e-02	3.49e-02	-3.11e-02	1.73e-02
2	64	239	0.93	-2.50	-2.32	0.76	-0.75	2.20e-02	-8.22e-02	1.63e-02	-7.64e-02	2.37e-02
2	64	240	0.48	-2.58	-2.48	0.37	-0.56	1.66e-02	-5.96e-02	1.15e-02	-5.45e-02	1.90e-02
2	64	241	0.22	-2.72	-2.65	0.15	-0.47	1.73e-02	-2.86e-02	1.36e-02	-2.48e-02	1.26e-02
2	64	242	6.38	-3.03	-1.67	5.02	-3.30	5.17	-1.04	-0.23	4.36	-2.10
2	64	243	5.12	-2.82	-1.62	3.92	-2.85	3.60	-0.20	0.26	3.14	-1.25
2	64	244	4.14	-2.68	-1.62	3.08	-2.47	2.20	8.38e-02	0.33	1.96	-0.68
2	64	245	3.34	-2.59	-1.67	2.41	-2.15	1.16	0.14	0.25	1.05	-0.32
2	64	246	2.64	-2.53	-1.75	1.85	-1.85	0.49	0.11	0.15	0.45	-0.12
2	64	247	2.02	-2.49	-1.85	1.38	-1.57	0.12	7.40e-02	8.00e-02	0.12	-1.63e-02
2	64	248	1.48	-2.43	-1.93	0.98	-1.31	3.74e-02	-4.46e-02	2.80e-02	-3.51e-02	2.62e-02
2	64	249	0.99	-2.43	-2.05	0.61	-1.07	2.09e-02	-9.39e-02	9.23e-03	-8.22e-02	3.47e-02
2	64	250	0.55	-2.46	-2.18	0.27	-0.88	1.65e-02	-6.92e-02	7.83e-03	-6.05e-02	2.59e-02
2	64	251	0.25	-2.57	-2.34	1.25e-02	-0.79	2.40e-02	-2.18e-02	1.77e-02	-1.55e-02	1.58e-02
2	64	252	5.81	-3.13	-1.16	3.84	-3.70	4.74	-0.70	0.72	3.32	-2.39
2	64	253	4.74	-2.92	-1.19	3.01	-3.20	3.22	-0.10	0.71	2.40	-1.43
2	64	254	3.87	-2.78	-1.25	2.35	-2.79	1.94	0.10	0.54	1.50	-0.78
2	64	255	3.15	-2.63	-1.31	1.83	-2.43	1.01	0.13	0.33	0.80	-0.37
2	64	256	2.55	-2.53	-1.40	1.42	-2.11	0.42	9.75e-02	0.17	0.35	-0.13
2	64	257	1.98	-2.45	-1.50	1.03	-1.82	9.88e-02	6.39e-02	7.04e-02	9.23e-02	-1.36e-02
2	64	258	1.49	-2.34	-1.57	0.71	-1.54	3.05e-02	-7.02e-02	1.64e-02	-5.62e-02	3.49e-02
2	64	259	1.04	-2.28	-1.66	0.41	-1.30	1.61e-02	-0.10	-1.63e-03	-8.58e-02	4.26e-02
2	64	260	0.50	-2.30	-1.79	-1.83e-03	-1.08	1.83e-02	-5.38e-02	1.92e-03	-3.74e-02	3.02e-02
2	64	261	0.28	-2.32	-1.86	-0.17	-0.99	2.79e-02	-2.17e-02	1.98e-02	-1.36e-02	1.83e-02
2	64	262	5.14	-2.99	-0.55	2.70	-3.72	4.16	-0.41	1.40	2.36	-2.23
2	64	263	4.25	-2.75	-0.60	2.10	-3.23	2.76	-6.86e-03	1.05	1.70	-1.34
2	64	264	3.56	-2.56	-0.69	1.69	-2.82	1.62	0.12	0.69	1.05	-0.73
2	64	265	2.89	-2.59	-0.96	1.26	-2.51	0.84	0.13	0.39	0.58	-0.34
2	64	266	2.40	-2.43	-1.02	0.99	-2.20	0.32	8.28e-02	0.18	0.23	-0.12
2	64	267	1.89	-2.32	-1.11	0.69	-1.90	5.93e-02	2.55e-02	5.91e-02	2.57e-02	-2.72e-03
2	64	268	1.45	-2.17	-1.11	0.39	-1.65	2.21e-02	-8.43e-02	1.70e-03	-6.39e-02	4.19e-02
2	64	269	0.89	-2.13	-1.20	-3.63e-02	-1.39	1.88e-02	-8.06e-02	-1.36e-02	-4.81e-02	4.66e-02
2	64	270	0.39	-2.07	-1.27	-0.41	-1.15	1.48e-02	-5.78e-02	-3.76e-03	-3.92e-02	3.16e-02
2	64	271	0.24	-1.98	-1.27	-0.47	-1.03	3.03e-02	-1.91e-02	2.12e-02	-9.98e-03	1.91e-02
2	64	272	4.47	-2.80	-8.52e-02	1.76	-3.52	3.51	-0.18	1.72	1.61	-1.84
2	64	273	3.73	-2.71	-0.30	1.32	-3.12	2.28	8.22e-02	1.21	1.15	-1.10
2	64	274	3.19	-2.49	-0.37	1.07	-2.75	1.33	0.15	0.77	0.70	-0.59
2	64	275	2.61	-2.40	-0.58	0.79	-2.41	0.65	0.11	0.39	0.37	-0.27
2	64	276	2.16	-2.25	-0.67	0.58	-2.12	0.24	6.92e-02	0.17	0.14	-8.19e-02

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2	64	277	1.67	-2.16	-0.77	0.28	-1.84	4.56e-02	1.24e-02	4.08e-02	1.73e-02	1.17e-02
2	64	278	1.25	-1.99	-0.72	-2.22e-02	-1.59	1.82e-02	-9.90e-02	-5.11e-03	-7.57e-02	4.68e-02
2	64	279	0.85	-1.74	-0.60	-0.29	-1.29	-9.91e-03	-0.11	-7.52e-02	-4.47e-02	4.77e-02
2	64	280	0.48	-1.61	-0.62	-0.51	-1.04	-9.27e-03	-8.04e-02	-6.09e-02	-2.88e-02	3.17e-02
2	64	281	0.44	-1.24	-0.46	-0.35	-0.84	3.32e-02	-0.11	-0.11	3.05e-02	1.97e-02
2	64	282	4.64	-2.69	0.36	1.58	-3.62	4.13	-0.41	2.45	1.27	-2.19
2	64	283	3.93	-2.40	0.33	1.20	-3.13	2.74	1.33e-02	1.74	1.01	-1.31
2	64	284	3.28	-2.23	0.15	0.90	-2.73	1.64	0.15	1.12	0.67	-0.71
2	64	285	2.86	-1.97	0.11	0.78	-2.39	0.79	9.97e-02	0.55	0.34	-0.33
2	64	286	2.25	-1.99	-0.15	0.41	-2.11	0.33	9.90e-02	0.26	0.18	-0.11
2	64	287	1.73	-1.84	-0.27	0.16	-1.77	7.30e-02	3.02e-02	7.30e-02	3.02e-02	1.24e-03
2	64	288	1.24	-1.73	-0.33	-0.16	-1.48	5.67e-03	-8.36e-02	-4.43e-02	-3.36e-02	4.43e-02
2	64	289	0.88	-1.52	-0.33	-0.31	-1.20	-1.00e-02	-0.11	-7.02e-02	-4.89e-02	4.84e-02
2	64	290	0.50	-1.31	-0.34	-0.47	-0.91	-8.57e-03	-7.55e-02	-4.61e-02	-3.79e-02	3.32e-02
2	64	291	0.43	-0.92	-0.23	-0.26	-0.67	1.35e-02	-7.17e-02	7.47e-03	-6.56e-02	2.19e-02
2	64	292	4.40	-2.74	0.55	1.11	-3.56	4.70	-0.68	3.41	0.60	-2.29
2	64	293	3.69	-2.40	0.48	0.81	-3.04	3.18	-6.98e-02	2.43	0.68	-1.37
2	64	294	3.16	-2.12	0.41	0.63	-2.64	1.91	0.12	1.51	0.51	-0.74
2	64	295	2.68	-1.97	0.31	0.39	-2.33	0.99	0.14	0.81	0.32	-0.35
2	64	296	2.19	-1.79	0.15	0.24	-1.99	0.39	0.10	0.33	0.17	-0.12
2	64	297	1.80	-1.57	0.11	0.12	-1.69	5.42e-02	3.74e-02	5.14e-02	4.02e-02	-6.28e-03
2	64	298	1.37	-1.45	2.41e-02	-0.11	-1.41	1.05e-02	-7.44e-02	-4.83e-02	-1.55e-02	3.92e-02
2	64	299	0.82	-1.30	-0.19	-0.29	-1.06	2.97e-03	-9.19e-02	-5.62e-02	-3.27e-02	4.60e-02
2	64	300	0.45	-1.03	-0.20	-0.39	-0.73	1.60e-03	-6.71e-02	-3.91e-02	-2.64e-02	3.38e-02
2	64	301	0.35	-0.66	-0.14	-0.16	-0.50	1.42e-02	-5.86e-02	4.67e-03	-4.91e-02	2.46e-02
2	64	302	3.92	-2.80	0.48	0.64	-3.36	5.12	-0.97	4.42	-0.26	-1.95
2	64	303	3.27	-2.42	0.39	0.47	-2.85	3.54	-0.17	3.14	0.24	-1.16
2	64	304	2.78	-2.16	0.32	0.30	-2.47	2.15	0.10	1.94	0.31	-0.62
2	64	305	2.38	-1.89	0.28	0.22	-2.13	1.13	0.15	1.03	0.24	-0.29
2	64	306	2.03	-1.64	0.24	0.15	-1.84	0.47	0.11	0.44	0.14	-0.10
2	64	307	1.68	-1.40	0.20	8.75e-02	-1.54	0.11	2.99e-02	0.10	3.04e-02	-6.47e-03
2	64	308	1.26	-1.26	6.50e-02	-7.20e-02	-1.26	2.28e-02	-5.33e-02	-3.49e-02	4.46e-03	3.25e-02
2	64	309	0.89	-1.00	2.23e-02	-0.14	-0.94	7.24e-03	-9.43e-02	-7.44e-02	-1.27e-02	4.03e-02
2	64	310	0.43	-0.71	-5.50e-02	-0.22	-0.56	1.24e-02	-5.73e-02	-3.45e-02	-1.04e-02	3.27e-02
2	64	311	0.33	-0.41	-7.27e-02	-6.72e-03	-0.36	1.85e-02	-4.16e-02	1.85e-03	-2.49e-02	2.69e-02
2	64	312	3.30	-2.95	6.63e-02	0.28	-3.12	5.37	-1.19	5.19	-1.01	-1.08
2	64	313	2.81	-2.51	5.72e-02	0.24	-2.66	3.77	-0.24	3.66	-0.14	-0.64
2	64	314	2.43	-2.18	5.66e-02	0.19	-2.30	2.30	8.41e-02	2.25	0.14	-0.34
2	64	315	2.11	-1.88	5.86e-02	0.17	-2.00	1.22	0.15	1.20	0.17	-0.16
2	64	316	1.82	-1.60	5.80e-02	0.16	-1.71	0.53	0.10	0.52	0.11	-5.28e-02
2	64	317	1.51	-1.37	4.75e-02	8.83e-02	-1.44	0.14	6.14e-02	0.14	6.14e-02	1.80e-03
2	64	318	1.20	-1.09	3.57e-02	7.56e-02	-1.15	3.63e-02	-3.31e-02	-2.20e-02	2.52e-02	2.54e-02
2	64	319	0.87	-0.78	2.08e-02	6.29e-02	-0.83	2.19e-02	-7.41e-02	-6.19e-02	9.68e-03	3.20e-02
2	64	320	0.46	-0.44	-2.36e-02	4.65e-02	-0.45	2.56e-02	-4.44e-02	-2.85e-02	9.70e-03	2.93e-02
2	64	321	0.33	-0.27	-3.75e-02	9.52e-02	-0.29	4.16e-02	-1.67e-02	3.48e-03	2.15e-02	2.77e-02
2	64	322	2.81	-3.36	-0.59	4.89e-02	-3.07	5.45	-1.25	5.45	-1.25	0.13
2	64	323	2.46	-2.80	-0.44	0.10	-2.62	3.83	-0.26	3.83	-0.26	6.82e-02
2	64	324	2.19	-2.37	-0.33	0.15	-2.26	2.35	7.75e-02	2.35	7.81e-02	3.65e-02
2	64	325	1.95	-2.01	-0.25	0.19	-1.96	1.24	0.14	1.24	0.14	2.10e-02
2	64	326	1.72	-1.68	-0.19	0.23	-1.69	0.54	0.12	0.54	0.12	1.53e-02
2	64	327	1.49	-1.36	-0.14	0.27	-1.41	0.16	6.95e-02	0.16	7.20e-02	1.53e-02
2	64	328	1.23	-1.03	-0.10	0.31	-1.11	4.70e-02	-9.20e-03	-2.56e-03	4.04e-02	1.81e-02
2	64	329	0.96	-0.67	-6.83e-02	0.35	-0.79	3.30e-02	-4.58e-02	-3.92e-02	2.64e-02	2.18e-02
2	64	330	0.64	-0.28	-3.50e-02	0.40	-0.41	3.53e-02	-3.09e-02	-2.06e-02	2.51e-02	2.40e-02
2	64	331	0.56	-0.14	-2.42e-02	0.45	-0.27	4.50e-02	-1.56e-02	1.74e-03	2.76e-02	2.74e-02
2	64	332	2.63	-4.02	-1.19	-0.20	-3.28	5.34	-1.14	5.08	-0.87	1.29
2	64	333	2.34	-3.27	-0.88	-4.51e-02	-2.77	3.73	-0.23	3.58	-7.69e-02	0.75
2	64	334	2.12	-2.71	-0.68	9.82e-02	-2.38	2.27	8.56e-02	2.20	0.16	0.40
2	64	335	1.92	-2.26	-0.53	0.20	-2.06	1.20	0.14	1.16	0.18	0.19
2	64	336	1.73	-1.86	-0.42	0.29	-1.76	0.52	0.13	0.51	0.14	8.06e-02
2	64	337	1.58	-1.47	-0.32	0.43	-1.48	0.17	7.68e-02	0.16	8.57e-02	2.79e-02
2	64	338	1.38	-1.09	-0.24	0.52	-1.18	5.62e-02	1.40e-02	1.69e-02	5.33e-02	1.06e-02
2	64	339	1.16	-0.70	-0.16	0.62	-0.84	4.27e-02	-1.43e-02	-1.21e-02	4.06e-02	1.09e-02
2	64	340	0.94	-0.28	-4.92e-02	0.71	-0.47	3.99e-02	-8.50e-03	-7.85e-03	3.92e-02	5.59e-03
2	64	341	0.93	-0.15	-2.07e-02	0.80	-0.35	4.37e-02	-1.22e-02	-1.58e-03	3.31e-02	2.19e-02

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2	64	342	2.64	-4.65	-1.43	-0.59	-3.62	5.06	-0.90	4.24	-8.77e-02	2.05
2	64	343	2.36	-3.75	-1.10	-0.30	-3.03	3.47	-0.15	3.01	0.31	1.21
2	64	344	2.19	-3.08	-0.86	-3.80e-02	-2.60	2.10	0.11	1.85	0.35	0.65
2	64	345	1.99	-2.55	-0.70	0.13	-2.23	1.10	0.14	0.98	0.26	0.31
2	64	346	1.81	-2.10	-0.56	0.27	-1.91	0.49	0.11	0.44	0.16	0.12
2	64	347	1.63	-1.68	-0.45	0.40	-1.60	0.18	0.10	0.16	0.12	3.39e-02
2	64	348	1.56	-1.19	-0.26	0.63	-1.30	6.70e-02	2.95e-02	2.97e-02	6.68e-02	2.77e-03
2	64	349	1.37	-0.78	-0.16	0.76	-0.97	5.56e-02	1.63e-02	1.63e-02	5.56e-02	4.48e-04
2	64	350	1.27	-0.32	6.15e-03	0.94	-0.64	5.64e-02	1.22e-03	2.25e-03	5.54e-02	7.47e-03
2	64	351	1.06	-0.22	3.91e-02	0.80	-0.52	7.98e-02	-5.49e-04	2.08e-03	7.72e-02	1.43e-02
2	64	352	2.67	-5.03	-1.29	-1.07	-3.85	4.60	-0.60	3.23	0.76	2.29
2	64	353	2.40	-4.10	-1.04	-0.65	-3.24	3.09	-5.02e-02	2.30	0.73	1.36
2	64	354	2.18	-3.41	-0.84	-0.38	-2.79	1.84	0.13	1.42	0.55	0.73
2	64	355	2.09	-2.82	-0.65	-8.07e-02	-2.44	0.95	0.14	0.76	0.34	0.35
2	64	356	1.95	-2.24	-0.42	0.13	-2.07	0.43	0.11	0.36	0.18	0.13
2	64	357	1.77	-1.79	-0.33	0.31	-1.75	0.17	9.55e-02	0.15	0.11	3.14e-02
2	64	358	1.70	-1.32	-0.20	0.58	-1.46	5.66e-02	4.68e-02	5.24e-02	5.10e-02	-4.82e-03
2	64	359	1.62	-0.64	0.13	0.84	-1.07	4.01e-02	-2.28e-03	-6.62e-04	3.85e-02	-8.13e-03
2	64	360	1.53	-0.33	0.22	0.99	-0.85	3.69e-02	1.96e-02	1.97e-02	3.68e-02	-1.21e-03
2	64	361	1.25	-0.32	0.18	0.75	-0.74	0.10	1.24e-03	5.31e-03	9.66e-02	-1.97e-02
2	64	362	2.58	-5.19	-0.96	-1.65	-3.87	4.01	-0.32	2.31	1.38	2.12
2	64	363	2.36	-4.28	-0.79	-1.13	-3.32	2.63	3.60e-02	1.64	1.03	1.26
2	64	364	2.21	-3.50	-0.52	-0.77	-2.85	1.52	0.12	0.98	0.66	0.68
2	64	365	2.01	-2.96	-0.39	-0.56	-2.48	0.83	0.17	0.58	0.42	0.32
2	64	366	2.05	-2.29	-9.24e-02	-0.15	-2.17	0.34	9.50e-02	0.24	0.19	0.12
2	64	367	1.92	-1.71	7.23e-02	0.13	-1.81	0.12	6.90e-02	8.16e-02	0.11	2.23e-02
2	64	368	1.87	-1.14	0.24	0.49	-1.50	7.27e-02	3.27e-02	3.60e-02	6.95e-02	-1.10e-02
2	64	369	1.71	-0.73	0.33	0.65	-1.21	6.80e-02	3.53e-02	4.25e-02	6.08e-02	-1.36e-02
2	64	370	1.66	-0.43	0.44	0.79	-1.03	6.52e-02	4.31e-02	4.58e-02	6.24e-02	-7.29e-03
2	64	371	1.58	-0.51	0.37	0.70	-1.03	0.11	-9.32e-03	-9.30e-03	0.11	1.31e-03
2	64	372	2.72	-4.93	-0.32	-1.89	-3.74	3.34	-0.13	1.57	1.65	1.73
2	64	373	2.65	-4.02	-7.10e-03	-1.36	-3.27	2.13	8.13e-02	1.08	1.13	1.02
2	64	374	2.47	-3.36	0.14	-1.03	-2.85	1.22	0.12	0.65	0.69	0.55
2	64	375	2.40	-2.66	0.39	-0.66	-2.47	0.63	0.12	0.38	0.37	0.25
2	64	376	2.24	-2.17	0.51	-0.44	-2.15	0.27	9.73e-02	0.18	0.19	8.77e-02
2	64	377	2.21	-1.63	0.69	-0.11	-1.88	9.57e-02	5.86e-02	6.18e-02	9.24e-02	1.05e-02
2	64	378	2.12	-1.14	0.75	0.23	-1.61	7.68e-02	1.41e-02	1.80e-02	7.29e-02	-1.51e-02
2	64	379	1.86	-0.74	0.68	0.44	-1.29	8.00e-02	3.29e-02	7.39e-02	3.90e-02	-1.58e-02
2	64	380	1.76	-0.33	0.76	0.67	-1.04	7.04e-02	3.76e-02	6.64e-02	4.16e-02	-1.07e-02
2	64	381	1.70	-0.61	0.60	0.49	-1.15	0.13	3.97e-03	0.13	4.03e-03	-2.76e-03
2	64	382	2.83	-5.65	0.16	-2.97	-3.94	3.98	-0.32	1.28	2.38	2.08
2	64	383	2.63	-4.61	0.32	-2.29	-3.38	2.61	5.35e-02	1.00	1.67	1.24
2	64	384	2.46	-3.75	0.48	-1.77	-2.89	1.52	0.15	0.65	1.01	0.66
2	64	385	2.50	-3.02	0.80	-1.32	-2.55	0.78	0.14	0.37	0.55	0.31
2	64	386	2.40	-2.44	0.94	-0.98	-2.22	0.33	9.77e-02	0.18	0.25	0.11
2	64	387	2.33	-1.86	1.11	-0.64	-1.91	0.12	6.55e-02	7.40e-02	0.11	1.90e-02
2	64	388	2.25	-1.38	1.19	-0.32	-1.65	6.36e-02	1.56e-02	1.96e-02	5.96e-02	-1.33e-02
2	64	389	2.22	-0.81	1.31	0.10	-1.39	3.62e-02	-7.84e-04	7.59e-03	2.78e-02	-1.55e-02
2	64	390	2.18	-0.30	1.39	0.49	-1.15	5.91e-02	4.16e-03	2.08e-02	4.24e-02	-2.52e-02
2	64	391	2.22	-0.32	1.39	0.51	-1.19	3.30e-02	2.33e-02	3.10e-02	2.53e-02	-3.95e-03
2	64	392	2.96	-6.24	0.79	-4.08	-3.90	4.56	-0.59	0.66	3.30	2.21
2	64	393	2.78	-5.04	0.93	-3.19	-3.32	3.05	-2.71e-02	0.70	2.33	1.31
2	64	394	2.64	-4.09	1.05	-2.51	-2.86	1.81	0.14	0.52	1.43	0.70
2	64	395	2.52	-3.28	1.17	-1.93	-2.45	0.94	0.15	0.33	0.76	0.33
2	64	396	2.45	-2.61	1.32	-1.49	-2.10	0.41	0.11	0.18	0.34	0.12
2	64	397	2.44	-1.99	1.51	-1.06	-1.80	0.12	5.91e-02	7.28e-02	0.11	2.54e-02
2	64	398	2.38	-1.48	1.63	-0.74	-1.53	5.48e-02	2.55e-02	2.85e-02	5.18e-02	-8.85e-03
2	64	399	2.36	-0.97	1.76	-0.38	-1.27	4.14e-02	1.69e-02	2.57e-02	3.25e-02	-1.18e-02
2	64	400	2.40	-0.45	1.91	3.93e-02	-1.07	5.02e-02	9.93e-03	3.91e-02	2.10e-02	-1.80e-02
2	64	401	2.53	-0.34	2.02	0.17	-1.10	3.81e-02	2.19e-02	3.81e-02	2.19e-02	-8.21e-04
2	64	402	2.83	-6.72	1.32	-5.21	-3.48	5.01	-0.85	-0.13	4.28	1.93
2	64	403	2.67	-5.34	1.38	-4.05	-2.94	3.42	-0.12	0.29	3.00	1.13
2	64	404	2.56	-4.28	1.46	-3.18	-2.51	2.05	0.12	0.33	1.84	0.61
2	64	405	2.49	-3.42	1.56	-2.49	-2.15	1.07	0.15	0.25	0.97	0.29
2	64	406	2.46	-2.69	1.69	-1.93	-1.83	0.47	0.12	0.15	0.43	0.11

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2	64	407	2.45	-2.04	1.83	-1.43	-1.54	0.15	7.00e-02	7.95e-02	0.14	2.59e-02
2	64	408	2.44	-1.46	1.97	-0.99	-1.27	4.27e-02	2.08e-02	4.23e-02	2.12e-02	-2.97e-03
2	64	409	2.46	-0.97	2.11	-0.62	-1.04	3.18e-02	1.22e-02	3.03e-02	1.38e-02	-5.34e-03
2	64	410	2.52	-0.53	2.26	-0.26	-0.87	3.94e-02	2.20e-02	3.05e-02	3.10e-02	-8.70e-03
2	64	411	2.72	-0.29	2.47	-3.35e-02	-0.84	4.17e-02	1.79e-02	4.11e-02	1.85e-02	3.50e-03
2	64	412	2.59	-6.87	1.78	-6.07	-2.64	5.28	-1.07	-0.85	5.07	1.15
2	64	413	2.47	-5.39	1.75	-4.68	-2.26	3.65	-0.20	-7.50e-02	3.53	0.67
2	64	414	2.39	-4.28	1.77	-3.66	-1.94	2.21	0.10	0.16	2.15	0.36
2	64	415	2.38	-3.39	1.85	-2.86	-1.66	1.16	0.15	0.18	1.13	0.17
2	64	416	2.37	-2.65	1.94	-2.22	-1.40	0.51	0.12	0.13	0.50	6.66e-02
2	64	417	2.38	-2.00	2.04	-1.67	-1.16	0.16	7.35e-02	7.77e-02	0.16	1.91e-02
2	64	418	2.43	-1.42	2.19	-1.18	-0.93	4.54e-02	2.16e-02	4.49e-02	2.20e-02	3.34e-03
2	64	419	2.49	-0.91	2.33	-0.76	-0.71	3.39e-02	-4.11e-03	3.37e-02	-3.91e-03	2.78e-03
2	64	420	2.60	-0.46	2.50	-0.37	-0.53	3.54e-02	9.13e-03	3.45e-02	1.00e-02	4.73e-03
2	64	421	2.77	-0.22	2.70	-0.15	-0.46	4.21e-02	2.33e-02	4.14e-02	2.40e-02	-3.57e-03
2	64	422	2.25	-6.63	1.97	-6.36	-1.53	5.37	-1.15	-1.15	5.37	9.86e-03
2	64	423	2.18	-5.16	1.90	-4.89	-1.38	3.74	-0.22	-0.22	3.74	5.59e-03
2	64	424	2.16	-4.07	1.90	-3.81	-1.23	2.27	9.00e-02	9.00e-02	2.27	3.79e-03
2	64	425	2.17	-3.20	1.95	-2.98	-1.07	1.19	0.15	0.15	1.19	3.80e-03
2	64	426	2.21	-2.48	2.03	-2.30	-0.91	0.52	0.12	0.12	0.52	5.10e-03
2	64	427	2.27	-1.87	2.13	-1.73	-0.74	0.16	7.23e-02	7.29e-02	0.16	7.26e-03
2	64	428	2.35	-1.32	2.26	-1.24	-0.56	4.76e-02	1.39e-02	4.45e-02	1.70e-02	9.71e-03
2	64	429	2.45	-0.84	2.41	-0.79	-0.38	3.69e-02	-1.28e-02	3.40e-02	-9.99e-03	1.15e-02
2	64	430	2.59	-0.40	2.58	-0.39	-0.22	3.75e-02	2.60e-03	3.56e-02	4.48e-03	7.88e-03
2	64	431	2.75	-0.16	2.74	-0.15	-0.15	4.09e-02	2.33e-02	4.03e-02	2.39e-02	3.23e-03
2	64	432	1.85	-5.99	1.83	-5.97	-0.44	5.28	-1.07	-0.87	5.07	-1.13
2	64	433	1.83	-4.64	1.79	-4.60	-0.53	3.66	-0.20	-8.10e-02	3.54	-0.66
2	64	434	1.86	-3.64	1.81	-3.59	-0.54	2.21	9.45e-02	0.15	2.15	-0.35
2	64	435	1.90	-2.85	1.85	-2.80	-0.51	1.16	0.15	0.17	1.13	-0.16
2	64	436	1.98	-2.20	1.94	-2.16	-0.44	0.50	0.11	0.12	0.49	-5.63e-02
2	64	437	2.08	-1.65	2.05	-1.62	-0.35	0.15	7.21e-02	7.23e-02	0.15	-4.29e-03
2	64	438	2.19	-1.17	2.17	-1.16	-0.24	5.10e-02	5.92e-03	4.41e-02	1.28e-02	1.62e-02
2	64	439	2.32	-0.74	2.32	-0.73	-0.13	4.20e-02	-1.86e-02	3.45e-02	-1.10e-02	2.01e-02
2	64	440	2.45	-0.34	2.45	-0.34	8.52e-03	7.31e-02	-2.76e-02	3.77e-02	7.81e-03	4.81e-02
2	64	441	2.73	-0.14	2.72	-0.14	0.13	3.95e-02	1.52e-02	3.92e-02	1.55e-02	-2.71e-03
2	64	442	1.45	-5.06	1.43	-5.05	0.35	5.01	-0.85	-0.14	4.29	-1.92
2	64	443	1.46	-3.91	1.46	-3.90	0.10	3.42	-0.12	0.28	3.01	-1.13
2	64	444	1.53	-3.05	1.53	-3.05	-3.56e-02	2.05	0.11	0.33	1.84	-0.60
2	64	445	1.61	-2.37	1.61	-2.37	-9.55e-02	1.06	0.15	0.24	0.97	-0.28
2	64	446	1.70	-1.82	1.69	-1.81	-0.11	0.45	0.11	0.15	0.42	-9.88e-02
2	64	447	1.79	-1.37	1.79	-1.37	-8.32e-02	0.13	7.81e-02	8.03e-02	0.13	-1.04e-02
2	64	448	1.91	-0.98	1.91	-0.98	-3.11e-02	5.80e-02	2.53e-03	4.57e-02	1.48e-02	2.30e-02
2	64	449	2.04	-0.61	2.04	-0.61	2.41e-02	5.16e-02	-1.67e-02	3.75e-02	-2.60e-03	2.76e-02
2	64	450	2.31	-0.17	2.29	-0.14	0.24	4.40e-02	-2.10e-02	4.28e-02	-1.98e-02	8.64e-03
2	64	451	2.43	-5.40e-02	2.36	1.26e-02	0.40	4.22e-02	1.49e-02	3.81e-02	1.91e-02	9.80e-03
2	64	452	1.08	-3.99	0.97	-3.88	0.72	4.57	-0.58	0.68	3.31	-2.21
2	64	453	1.11	-3.05	1.07	-3.01	0.41	3.06	-3.28e-02	0.69	2.33	-1.31
2	64	454	1.19	-2.35	1.18	-2.34	0.22	1.81	0.14	0.52	1.43	-0.70
2	64	455	1.29	-1.83	1.29	-1.83	0.11	0.93	0.15	0.32	0.76	-0.32
2	64	456	1.38	-1.38	1.38	-1.38	5.91e-02	0.39	0.11	0.17	0.33	-0.11
2	64	457	1.43	-1.05	1.43	-1.05	3.74e-02	0.11	9.00e-02	9.39e-02	0.11	-8.77e-03
2	64	458	1.53	-0.72	1.53	-0.71	5.58e-02	2.89e-02	-3.84e-02	-2.06e-02	1.11e-02	2.97e-02
2	64	459	1.74	-0.19	1.74	-0.19	1.86e-02	-1.80e-02	-8.65e-02	-4.55e-02	-5.91e-02	3.36e-02
2	64	460	1.90	1.53e-02	1.81	0.11	0.41	3.59e-03	-6.05e-02	-5.93e-02	2.43e-03	8.53e-03
2	64	461	1.97	8.35e-02	1.75	0.30	0.61	0.13	-6.79e-02	3.60e-02	2.19e-02	9.66e-02
2	64	462	0.42	-2.94	0.27	-2.79	0.69	4.00	-0.32	1.30	2.39	-2.09
2	64	463	0.61	-2.24	0.55	-2.18	0.40	2.61	2.78e-02	0.96	1.68	-1.24
2	64	464	0.84	-1.70	0.81	-1.68	0.26	1.51	0.10	0.57	1.04	-0.66
2	64	465	0.95	-1.30	0.94	-1.29	0.12	0.76	0.11	0.32	0.55	-0.30
2	64	466	0.81	-1.05	0.81	-1.05	7.84e-04	0.32	0.11	0.19	0.24	-0.10
2	64	467	0.82	-0.77	0.82	-0.77	-1.14e-02	8.08e-02	7.93e-02	7.98e-02	8.03e-02	-6.91e-04
2	64	468	0.99	-0.31	0.99	-0.31	-4.94e-02	5.49e-02	-6.16e-02	4.31e-02	-4.98e-02	3.52e-02
2	64	469	1.00	-4.37e-02	1.00	-4.37e-02	8.26e-03	5.78e-02	-2.81e-02	3.67e-02	-7.00e-03	3.69e-02
2	64	470	1.16	4.65e-02	0.96	0.25	0.43	3.41e-02	6.30e-03	3.22e-02	8.18e-03	6.97e-03
2	64	471	2.14	-0.11	1.48	0.55	1.03	3.18e-02	-3.93e-02	3.14e-02	-3.90e-02	5.00e-03

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2	64	472	1.63e-02	-2.05	-0.12	-1.92	0.51	3.36	-0.13	1.56	1.67	-1.74
2	64	473	0.15	-1.54	0.11	-1.50	0.26	2.13	7.29e-02	1.04	1.16	-1.03
2	64	474	0.21	-1.18	0.21	-1.18	6.43e-02	1.22	0.13	0.65	0.71	-0.55
2	64	475	0.32	-0.95	0.32	-0.95	-6.16e-02	0.60	0.11	0.32	0.38	-0.24
2	64	476	0.34	-0.70	0.33	-0.69	-0.11	0.24	9.61e-02	0.17	0.17	-7.32e-02
2	64	477	0.39	-0.40	0.38	-0.39	-9.94e-02	6.34e-02	1.43e-02	6.14e-02	1.63e-02	9.68e-03
2	64	478	0.54	-2.17e-02	0.53	-1.30e-02	-6.93e-02	1.55e-02	-6.16e-02	-2.71e-02	-1.90e-02	3.83e-02
2	64	479	0.50	0.23	0.50	0.23	-1.49e-02	3.26e-02	-6.48e-02	-4.75e-02	1.53e-02	3.73e-02
2	64	480	0.58	0.48	0.56	0.51	4.23e-02	6.73e-03	-4.48e-02	-2.70e-02	-1.10e-02	2.45e-02
2	64	481	1.66	-6.10e-02	0.83	0.77	0.86	4.14e-02	-7.03e-02	-6.98e-02	4.10e-02	7.15e-03
2	64	482	-0.25	-1.85	-0.43	-1.67	0.50	4.02	-0.34	2.30	1.38	-2.13
2	64	483	-0.28	-1.23	-0.30	-1.21	0.14	2.63	2.96e-02	1.61	1.04	-1.27
2	64	484	-0.11	-0.85	-0.13	-0.83	-0.10	1.51	0.12	0.95	0.68	-0.68
2	64	485	3.77e-02	-0.71	-5.31e-02	-0.62	-0.24	0.76	0.12	0.51	0.37	-0.31
2	64	486	0.19	-0.51	1.89e-02	-0.34	-0.30	0.28	6.36e-02	0.20	0.15	-0.11
2	64	487	0.32	-0.28	0.10	-6.65e-02	-0.29	3.20e-02	2.43e-02	2.51e-02	3.12e-02	-2.38e-03
2	64	488	0.37	-9.63e-02	0.15	0.13	-0.23	-3.76e-03	-7.76e-02	-2.95e-02	-5.18e-02	3.52e-02
2	64	489	0.40	5.94e-02	0.16	0.31	-0.16	1.52e-03	-9.01e-02	-1.74e-02	-7.13e-02	3.71e-02
2	64	490	0.49	0.15	0.22	0.43	-0.13	6.07e-02	-9.25e-02	-5.32e-03	-2.65e-02	7.59e-02
2	64	491	0.77	0.15	0.36	0.56	0.30	3.21e-02	8.52e-03	2.33e-02	1.73e-02	1.14e-02
2	64	492	-0.44	-1.46	-0.59	-1.31	0.36	4.61	-0.62	3.22	0.76	-2.31
2	64	493	-0.47	-0.94	-0.48	-0.94	-5.38e-02	3.10	-5.83e-02	2.30	0.73	-1.37
2	64	494	-0.20	-0.90	-0.40	-0.70	-0.31	1.84	0.12	1.43	0.54	-0.74
2	64	495	4.11e-02	-0.94	-0.36	-0.54	-0.48	0.95	0.13	0.76	0.33	-0.34
2	64	496	0.31	-0.84	-0.24	-0.30	-0.57	0.37	9.58e-02	0.30	0.17	-0.12
2	64	497	0.55	-0.57	-5.25e-02	3.32e-02	-0.56	4.39e-02	1.54e-02	3.74e-02	2.19e-02	-1.19e-02
2	64	498	0.56	-0.45	-1.86e-02	0.13	-0.50	7.15e-03	-5.81e-02	-3.82e-02	-1.27e-02	3.00e-02
2	64	499	0.44	-0.30	-4.59e-02	0.19	-0.35	2.12e-02	-6.01e-02	-4.03e-02	1.29e-03	3.49e-02
2	64	500	0.40	-0.13	2.00e-02	0.24	-0.24	8.66e-02	-5.33e-02	-1.24e-02	4.57e-02	6.36e-02
2	64	501	0.70	1.05e-02	7.94e-02	0.63	0.21	3.26e-02	-9.57e-03	1.01e-03	2.20e-02	-1.83e-02
2	64	502	-0.47	-0.91	-0.49	-0.89	0.11	5.06	-0.93	4.24	-0.10	-2.07
2	64	503	-0.16	-0.84	-0.37	-0.63	-0.31	3.48	-0.16	3.02	0.31	-1.22
2	64	504	0.20	-0.97	-0.29	-0.48	-0.57	2.10	9.79e-02	1.86	0.34	-0.65
2	64	505	0.44	-1.02	-0.25	-0.33	-0.73	1.10	0.14	0.99	0.25	-0.31
2	64	506	0.58	-0.98	-0.20	-0.20	-0.78	0.46	0.11	0.42	0.15	-0.11
2	64	507	0.69	-0.86	-0.11	-5.91e-02	-0.77	0.10	5.41e-02	9.99e-02	5.92e-02	-1.53e-02
2	64	508	0.69	-0.72	-3.02e-02	7.33e-03	-0.71	2.12e-02	-5.45e-02	-4.68e-02	1.35e-02	2.29e-02
2	64	509	0.55	-0.52	-1.19e-02	4.11e-02	-0.54	5.51e-03	-8.34e-02	-7.21e-02	-5.79e-03	2.96e-02
2	64	510	0.32	-0.32	-2.06e-02	2.40e-02	-0.32	3.75e-02	-5.95e-02	-1.23e-02	-9.71e-03	4.85e-02
2	64	511	0.34	-5.08e-03	-4.82e-03	0.34	9.45e-03	2.56e-02	-1.10e-03	-5.14e-04	2.50e-02	3.92e-03
2	64	512	-3.87e-02	-0.60	-7.11e-02	-0.57	-0.13	5.35	-1.16	5.08	-0.89	-1.30
2	64	513	0.33	-0.78	-2.44e-02	-0.43	-0.52	3.74	-0.23	3.59	-8.19e-02	-0.76
2	64	514	0.60	-0.96	-7.86e-03	-0.35	-0.77	2.29	8.76e-02	2.21	0.16	-0.40
2	64	515	0.78	-1.03	-1.71e-03	-0.25	-0.90	1.21	0.14	1.17	0.17	-0.19
2	64	516	0.84	-1.07	-5.37e-03	-0.23	-0.95	0.52	0.12	0.51	0.13	-6.98e-02
2	64	517	0.81	-1.05	-1.35e-02	-0.23	-0.92	0.14	7.32e-02	0.14	7.46e-02	-9.69e-03
2	64	518	0.74	-0.92	1.18e-02	-0.19	-0.83	3.61e-02	-2.56e-02	-2.16e-02	3.21e-02	1.51e-02
2	64	519	0.55	-0.75	4.93e-04	-0.20	-0.64	2.14e-02	-6.16e-02	-5.57e-02	1.55e-02	2.13e-02
2	64	520	0.31	-0.50	7.71e-03	-0.20	-0.39	1.34e-02	-3.73e-02	-3.58e-02	1.19e-02	8.51e-03
2	64	521	0.15	-0.23	4.98e-02	-0.12	-0.17	5.43e-02	-2.91e-02	-4.86e-04	2.57e-02	3.96e-02
2	111	1	1.08	-3.06	-0.18	-1.79	-1.91	4.75	-0.76	1.96	2.03	2.76
2	111	2	1.24	-3.79	7.62e-02	-2.63	-2.12	5.46	-1.32	1.29	2.84	3.30
2	111	3	1.26	-4.18	-0.33	-2.59	-2.47	6.09	-2.37	1.79	1.93	4.23
2	111	4	1.07	-3.23	-0.53	-1.63	-2.08	5.46	-1.33	2.74	1.39	3.33
2	111	5	1.31	-4.39	-0.82	-2.26	-2.76	6.36	-3.68	2.64	3.99e-02	4.85
2	111	6	1.08	-3.19	-0.82	-1.29	-2.12	5.99	-2.05	3.78	0.15	3.59
2	111	7	1.35	-4.21	-1.26	-1.59	-2.78	6.26	-5.12	3.85	-2.72	4.65
2	111	8	1.09	-2.88	-0.95	-0.84	-1.98	6.28	-2.82	4.95	-1.48	3.22
2	111	9	1.41	-3.34	-1.12	-0.81	-2.37	5.95	-6.35	5.12	-5.52	3.09
2	111	10	1.17	-2.27	-0.69	-0.41	-1.71	6.40	-3.44	5.97	-3.00	2.02
2	111	11	1.90	-2.23	-0.10	-0.23	-2.06	5.76	-6.92	5.76	-6.92	0.26
2	111	12	1.50	-1.65	-3.64e-02	-0.11	-1.58	6.43	-3.71	6.42	-3.71	0.17
2	111	13	3.09	-1.78	0.91	0.40	-2.42	5.90	-6.57	5.28	-5.96	-2.70
2	111	14	2.17	-1.36	0.61	0.21	-1.75	6.41	-3.54	6.09	-3.22	-1.75
2	111	15	4.03	-1.70	1.06	1.27	-2.87	6.21	-5.43	4.03	-3.26	-4.54

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2	111	16	2.83	-1.30	0.86	0.67	-2.06	6.30	-2.97	5.12	-1.78	-3.09
2	111	17	4.28	-1.62	0.64	2.02	-2.87	6.36	-3.96	2.76	-0.36	-4.92
2	111	18	3.18	-1.30	0.72	1.17	-2.23	6.04	-2.21	3.94	-0.11	-3.59
2	111	19	4.12	-1.52	0.17	2.43	-2.58	6.15	-2.59	1.85	1.71	-4.37
2	111	20	3.25	-1.28	0.41	1.56	-2.19	5.55	-1.46	2.86	1.23	-3.41
2	111	21	3.78	-1.41	-0.15	2.51	-2.23	5.56	-1.46	1.33	2.76	-3.44
2	111	22	3.13	-1.24	0.15	1.75	-2.03	4.86	-0.86	2.04	1.97	-2.86
2	111	23	1.37	-4.54	0.48	-3.65	-2.11	5.97	-2.03	4.82e-02	3.89	3.51
2	111	24	1.43	-5.27	0.11	-3.95	-2.67	6.37	-3.66	-0.13	2.83	4.79
2	111	25	1.59	-5.98	-0.44	-3.94	-3.36	6.11	-5.88	-7.13e-03	0.24	5.99
2	111	26	1.82	-6.53	-1.42	-3.29	-4.07	5.14	-8.54	0.74	-4.14	6.38
2	111	27	1.82	-5.54	-1.87	-1.85	-3.68	3.81	-11.02	2.12	-9.33	4.71
2	111	28	2.38	-2.88	-0.18	-0.32	-2.63	3.06	-12.27	3.05	-12.26	0.38
2	111	29	5.18	-2.30	1.51	1.37	-3.74	3.58	-11.57	2.32	-10.31	-4.18
2	111	30	6.28	-2.25	1.09	2.94	-4.16	4.90	-9.16	0.80	-5.05	-6.39
2	111	31	5.79	-1.96	0.17	3.66	-3.45	5.98	-6.34	-5.28e-02	-0.30	-6.16
2	111	32	5.16	-1.75	-0.35	3.77	-2.77	6.35	-3.98	-0.19	2.57	-4.98
2	111	33	4.51	-1.56	-0.60	3.55	-2.22	6.05	-2.23	-1.41e-03	3.82	-3.67
2	111	34	1.48	-5.24	0.98	-4.74	-1.76	6.27	-2.76	-1.55	5.06	3.08
2	111	35	1.57	-6.35	0.78	-5.56	-2.37	6.29	-5.07	-2.86	4.08	4.50
2	111	36	1.81	-7.71	0.50	-6.40	-3.28	5.19	-8.52	-4.42	1.09	6.28
2	111	37	2.32	-9.65	-0.12	-7.21	-4.82	2.67	-13.38	-5.54	-5.17	8.03
2	111	38	3.88	-15.05	-3.56	-7.61	-9.24	-1.06	-18.18	-4.83	-14.41	7.10
2	111	39	0.23	-1.16	-0.41	-0.52	-0.70	-3.28	-21.47	-3.29	-21.46	0.40
2	111	40	14.65	-4.44	3.06	7.16	-9.32	-2.07	-20.28	-5.06	-17.29	-6.74
2	111	41	9.31	-2.71	-0.25	6.85	-4.85	1.99	-14.39	-6.01	-6.39	-8.19
2	111	42	7.45	-2.23	-0.85	6.07	-3.38	4.84	-9.16	-4.78	0.45	-6.50
2	111	43	6.19	-1.93	-1.10	5.36	-2.46	6.17	-5.48	-3.11	3.81	-4.69
2	111	44	5.18	-1.68	-1.15	4.64	-1.84	6.31	-3.02	-1.72	5.01	-3.23
2	111	45	1.54	-5.73	1.39	-5.58	-1.02	6.40	-3.34	-2.98	6.04	1.84
2	111	46	1.62	-7.13	1.39	-6.90	-1.41	6.03	-6.22	-5.53	5.33	2.84
2	111	47	1.83	-8.99	1.44	-8.60	-2.01	3.99	-10.92	-9.50	2.57	4.38
2	111	48	2.29	-11.52	1.71	-10.94	-2.77	-0.97	-18.67	-15.39	-4.25	6.88
2	111	49	6.63	-14.41	6.27	-14.04	-2.75	-10.35	-33.81	-21.89	-22.27	11.72
2	111	50	-8.33e-02	-3.39	-1.79	-1.68	-1.65	-14.23	-38.73	-14.23	-38.73	0.26
2	111	51	15.04	-5.86	-5.56	14.74	-2.47	-12.19	-34.95	-23.76	-23.38	-11.38
2	111	52	11.05	-2.78	-2.16	10.44	-2.86	-2.21	-19.74	-16.31	-5.64	-6.96
2	111	53	8.64	-2.33	-1.93	8.24	-2.07	3.38	-11.65	-10.14	1.87	-4.52
2	111	54	6.93	-2.04	-1.80	6.69	-1.46	5.81	-6.70	-5.95	5.07	-2.96
2	111	55	5.66	-1.75	-1.60	5.50	-1.06	6.41	-3.63	-3.24	6.02	-1.93
2	111	56	1.56	-5.90	1.56	-5.90	-2.45e-05	6.43	-3.56	-3.56	6.43	1.00e-06
2	111	57	1.62	-7.41	1.62	-7.41	3.83e-05	5.89	-6.67	-6.67	5.89	4.04e-06
2	111	58	1.69	-9.42	1.69	-9.42	2.74e-05	3.41	-11.87	-11.87	3.41	
2	111	59	1.07	-12.23	1.07	-12.23	1.83e-05	-2.47	-20.91	-20.91	-2.47	
2	111	60	-6.86	-15.60	-6.86	-15.60	5.62e-06	-11.69	-38.40	-38.40	-11.69	
2	111	61	2.84	2.84	2.84	2.84		-90.14	-90.14	-90.14	-90.14	
2	111	62	12.02	3.50	3.50	12.02	4.75e-06	-16.77	-39.06	-39.06	-16.77	
2	111	63	11.41	-2.10	-2.10	11.41	1.46e-05	-4.10	-22.02	-22.02	-4.10	
2	111	64	9.06	-2.32	-2.32	9.06	1.37e-05	2.70	-12.64	-12.64	2.70	
2	111	65	7.21	-2.08	-2.08	7.21	-1.36e-05	5.63	-7.17	-7.17	5.63	4.73e-06
2	111	66	5.83	-1.78	-1.78	5.83	2.99e-05	6.42	-3.86	-3.86	6.42	
2	111	67	1.54	-5.73	1.39	-5.58	1.02	6.40	-3.34	-2.98	6.04	-1.84
2	111	68	1.62	-7.13	1.39	-6.90	1.41	6.03	-6.22	-5.53	5.33	-2.84
2	111	69	1.83	-8.99	1.44	-8.60	2.01	3.99	-10.92	-9.50	2.57	-4.38
2	111	70	2.29	-11.52	1.71	-10.94	2.77	-0.97	-18.67	-15.39	-4.25	-6.88
2	111	71	6.63	-14.41	6.27	-14.04	2.75	-10.35	-33.81	-21.89	-22.27	-11.72
2	111	72	-8.33e-02	-3.39	-1.79	-1.68	1.65	-14.23	-38.73	-14.23	-38.73	-0.26
2	111	73	15.04	-5.86	-5.56	14.74	2.47	-12.19	-34.95	-23.76	-23.38	11.38
2	111	74	11.05	-2.78	-2.16	10.44	2.86	-2.21	-19.74	-16.31	-5.64	6.96
2	111	75	8.64	-2.33	-1.93	8.24	2.07	3.38	-11.65	-10.14	1.87	4.52
2	111	76	6.93	-2.04	-1.80	6.69	1.46	5.81	-6.70	-5.95	5.07	2.96
2	111	77	5.66	-1.75	-1.60	5.50	1.06	6.41	-3.63	-3.24	6.02	1.93
2	111	78	1.48	-5.24	0.98	-4.73	1.76	6.27	-2.76	-1.55	5.06	-3.08
2	111	79	1.57	-6.35	0.78	-5.56	2.37	6.29	-5.07	-2.86	4.08	-4.50
2	111	80	1.81	-7.71	0.50	-6.40	3.28	5.19	-8.52	-4.42	1.09	-6.28

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2	111	81	2.32	-9.65	-0.12	-7.21	4.82	2.67	-13.38	-5.54	-5.17	-8.03
2	111	82	3.88	-15.05	-3.56	-7.61	9.24	-1.06	-18.18	-4.83	-14.41	-7.10
2	111	83	0.23	-1.16	-0.41	-0.52	0.70	-3.28	-21.47	-3.29	-21.46	-0.40
2	111	84	14.65	-4.44	3.06	7.16	9.32	-2.07	-20.28	-5.06	-17.29	6.74
2	111	85	9.31	-2.71	-0.25	6.85	4.85	1.99	-14.39	-6.01	-6.39	8.19
2	111	86	7.45	-2.23	-0.85	6.07	3.38	4.84	-9.16	-4.78	0.45	6.50
2	111	87	6.19	-1.93	-1.10	5.36	2.46	6.17	-5.48	-3.11	3.81	4.69
2	111	88	5.18	-1.68	-1.14	4.64	1.84	6.31	-3.02	-1.72	5.01	3.23
2	111	89	1.37	-4.54	0.48	-3.65	2.11	5.97	-2.03	4.84e-02	3.89	-3.51
2	111	90	1.43	-5.27	0.11	-3.95	2.67	6.37	-3.66	-0.13	2.83	-4.79
2	111	91	1.59	-5.98	-0.44	-3.94	3.36	6.11	-5.88	-7.13e-03	0.24	-5.99
2	111	92	1.82	-6.53	-1.42	-3.29	4.07	5.14	-8.54	0.74	-4.14	-6.38
2	111	93	1.82	-5.54	-1.87	-1.85	3.68	3.81	-11.02	2.12	-9.33	-4.71
2	111	94	2.38	-2.88	-0.18	-0.32	2.63	3.06	-12.27	3.05	-12.26	-0.38
2	111	95	5.18	-2.30	1.51	1.37	3.74	3.58	-11.57	2.32	-10.31	4.18
2	111	96	6.28	-2.25	1.09	2.94	4.16	4.90	-9.16	0.80	-5.05	6.39
2	111	97	5.79	-1.96	0.17	3.66	3.45	5.98	-6.34	-5.28e-02	-0.30	6.16
2	111	98	5.16	-1.75	-0.35	3.77	2.77	6.35	-3.98	-0.19	2.57	4.98
2	111	99	4.51	-1.56	-0.60	3.55	2.22	6.05	-2.23	-1.70e-03	3.82	3.67
2	111	100	1.24	-3.79	7.53e-02	-2.63	2.12	5.46	-1.32	1.29	2.84	-3.30
2	111	101	1.26	-4.18	-0.33	-2.59	2.47	6.09	-2.37	1.79	1.93	-4.23
2	111	102	1.31	-4.39	-0.82	-2.26	2.76	6.36	-3.68	2.64	4.00e-02	-4.85
2	111	103	1.35	-4.21	-1.26	-1.59	2.78	6.26	-5.12	3.85	-2.72	-4.65
2	111	104	1.41	-3.34	-1.12	-0.81	2.37	5.95	-6.35	5.12	-5.52	-3.09
2	111	105	1.90	-2.23	-0.10	-0.23	2.06	5.76	-6.92	5.76	-6.92	-0.26
2	111	106	3.09	-1.78	0.91	0.40	2.42	5.90	-6.57	5.28	-5.96	2.70
2	111	107	4.03	-1.70	1.06	1.27	2.87	6.21	-5.43	4.03	-3.26	4.54
2	111	108	4.28	-1.62	0.64	2.02	2.87	6.36	-3.96	2.76	-0.36	4.92
2	111	109	4.12	-1.52	0.17	2.43	2.58	6.15	-2.59	1.85	1.71	4.37
2	111	110	3.78	-1.41	-0.14	2.51	2.23	5.56	-1.46	1.33	2.76	3.44
2	111	111	1.09	-3.06	-0.17	-1.80	1.91	4.75	-0.76	1.96	2.03	-2.76
2	111	112	1.07	-3.23	-0.53	-1.63	2.08	5.46	-1.33	2.74	1.39	-3.33
2	111	113	1.08	-3.19	-0.82	-1.29	2.12	5.99	-2.05	3.78	0.15	-3.59
2	111	114	1.09	-2.88	-0.95	-0.83	1.98	6.28	-2.82	4.95	-1.48	-3.22
2	111	115	1.17	-2.27	-0.69	-0.41	1.71	6.40	-3.44	5.97	-3.00	-2.02
2	111	116	1.50	-1.65	-3.64e-02	-0.11	1.58	6.43	-3.71	6.42	-3.71	-0.17
2	111	117	2.17	-1.36	0.61	0.21	1.75	6.41	-3.54	6.09	-3.22	1.75
2	111	118	2.83	-1.30	0.86	0.67	2.06	6.30	-2.97	5.12	-1.78	3.09
2	111	119	3.18	-1.30	0.72	1.17	2.23	6.04	-2.21	3.94	-0.11	3.59
2	111	120	3.25	-1.27	0.41	1.56	2.19	5.55	-1.46	2.86	1.23	3.41
2	111	121	3.14	-1.24	0.13	1.77	2.03	4.86	-0.86	2.04	1.97	2.86
2	111	122	1.06	-1.21	8.44e-05	-0.15	1.13	5.45	-1.26	5.45	-1.26	-8.73e-02
2	111	123	1.51	-1.05	0.44	2.45e-02	1.26	5.37	-1.20	5.18	-1.00	1.12
2	111	124	0.82	-0.90	1.86e-02	-9.84e-02	0.85	3.84	-0.27	3.84	-0.27	-4.48e-02
2	111	125	1.13	-0.80	0.34	-8.89e-03	0.95	3.77	-0.25	3.66	-0.13	0.66
2	111	126	0.64	-0.67	2.84e-02	-6.76e-02	0.65	2.36	7.59e-02	2.35	7.61e-02	-2.22e-02
2	111	127	0.86	-0.63	0.27	-3.77e-02	0.73	2.31	8.10e-02	2.25	0.14	0.36
2	111	128	0.49	-0.51	3.16e-02	-4.82e-02	0.50	1.25	0.14	1.25	0.14	-1.07e-02
2	111	129	0.66	-0.51	0.21	-6.47e-02	0.57	1.22	0.14	1.20	0.17	0.17
2	111	130	0.37	-0.38	2.94e-02	-3.61e-02	0.38	0.55	0.12	0.55	0.12	-5.43e-03
2	111	131	0.49	-0.42	0.17	-9.12e-02	0.44	0.53	0.12	0.52	0.13	6.32e-02
2	111	132	0.27	-0.28	2.41e-02	-2.88e-02	0.27	0.16	7.26e-02	0.16	7.28e-02	-3.60e-03
2	111	133	0.35	-0.34	0.12	-0.12	0.33	0.15	7.15e-02	0.15	7.28e-02	1.01e-02
2	111	134	0.18	-0.19	1.77e-02	-2.43e-02	0.19	4.13e-02	-5.09e-03	-4.82e-03	4.10e-02	-3.55e-03
2	111	135	0.23	-0.29	8.85e-02	-0.14	0.23	4.03e-02	-8.61e-03	-6.00e-03	3.77e-02	-1.10e-02
2	111	136	0.11	-0.12	1.17e-02	-2.14e-02	0.11	2.68e-02	-4.30e-02	-4.27e-02	2.65e-02	-4.29e-03
2	111	137	0.13	-0.24	5.65e-02	-0.17	0.15	2.58e-02	-4.60e-02	-4.27e-02	2.24e-02	-1.52e-02
2	111	138	3.63e-02	-5.07e-02	5.41e-03	-1.98e-02	4.16e-02	2.48e-02	-2.39e-02	-2.34e-02	2.42e-02	-5.17e-03
2	111	139	5.29e-02	-0.22	2.74e-02	-0.19	7.91e-02	2.37e-02	-2.65e-02	-2.32e-02	2.04e-02	-1.25e-02
2	111	140	5.79e-02	-7.56e-02	1.14e-03	-1.88e-02	6.60e-02	2.84e-02	-3.54e-03	-8.25e-04	2.57e-02	-8.91e-03
2	111	141	3.06e-02	-0.23	-1.22e-02	-0.19	9.66e-02	2.71e-02	-5.85e-03	2.44e-05	2.13e-02	-1.26e-02
2	111	142	1.99	-1.04	0.64	0.31	1.50	5.12	-0.98	4.39	-0.25	1.98
2	111	143	1.50	-0.83	0.50	0.17	1.15	3.54	-0.17	3.12	0.24	1.17
2	111	144	1.14	-0.69	0.39	6.37e-02	0.90	2.15	9.79e-02	1.93	0.32	0.64
2	111	145	0.88	-0.59	0.30	-2.08e-02	0.72	1.13	0.14	1.03	0.25	0.30

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2	111	146	0.66	-0.52	0.23	-9.37e-02	0.57	0.49	0.11	0.45	0.15	0.11
2	111	147	0.48	-0.47	0.17	-0.16	0.45	0.14	6.85e-02	0.13	7.37e-02	1.82e-02
2	111	148	0.33	-0.43	0.11	-0.22	0.34	3.85e-02	-1.49e-02	-7.41e-03	3.10e-02	-1.86e-02
2	111	149	0.20	-0.41	6.13e-02	-0.28	0.25	2.46e-02	-4.88e-02	-3.90e-02	1.48e-02	-2.50e-02
2	111	150	8.81e-02	-0.40	1.54e-02	-0.33	0.17	2.27e-02	-2.85e-02	-2.03e-02	1.45e-02	-1.88e-02
2	111	151	3.34e-02	-0.41	-5.22e-02	-0.32	0.17	2.58e-02	-7.96e-03	1.97e-03	1.59e-02	-1.54e-02
2	111	152	2.32	-1.07	0.57	0.69	1.69	4.69	-0.68	3.38	0.63	2.31
2	111	153	1.78	-0.89	0.45	0.44	1.34	3.18	-7.68e-02	2.42	0.68	1.38
2	111	154	1.38	-0.78	0.35	0.25	1.08	1.91	0.12	1.50	0.52	0.75
2	111	155	1.07	-0.70	0.27	0.10	0.88	0.99	0.14	0.81	0.33	0.35
2	111	156	0.82	-0.65	0.19	-1.98e-02	0.72	0.42	0.10	0.35	0.17	0.13
2	111	157	0.60	-0.61	0.12	-0.13	0.59	0.11	6.36e-02	0.10	7.16e-02	1.75e-02
2	111	158	0.42	-0.59	5.75e-02	-0.23	0.48	3.60e-02	-2.33e-02	-8.03e-03	2.07e-02	-2.59e-02
2	111	159	0.26	-0.58	-4.65e-04	-0.32	0.39	2.33e-02	-5.11e-02	-3.22e-02	4.37e-03	-3.24e-02
2	111	160	0.12	-0.58	-5.43e-02	-0.40	0.30	2.16e-02	-2.99e-02	-1.52e-02	6.99e-03	-2.32e-02
2	111	161	3.98e-02	-0.58	-0.14	-0.41	0.28	2.44e-02	-9.77e-03	4.71e-03	9.90e-03	-1.69e-02
2	111	162	2.46	-1.09	0.32	1.05	1.74	4.13	-0.40	2.43	1.30	2.19
2	111	163	1.94	-0.96	0.25	0.74	1.43	2.73	1.42e-02	1.73	1.02	1.31
2	111	164	1.54	-0.87	0.18	0.49	1.19	1.61	0.13	1.08	0.67	0.71
2	111	165	1.21	-0.81	0.11	0.29	1.00	0.83	0.13	0.58	0.38	0.33
2	111	166	0.93	-0.77	4.51e-02	0.12	0.85	0.34	9.51e-02	0.25	0.18	0.12
2	111	167	0.70	-0.74	-1.85e-02	-2.67e-02	0.72	7.82e-02	5.71e-02	7.26e-02	6.27e-02	9.32e-03
2	111	168	0.49	-0.73	-7.89e-02	-0.16	0.61	3.25e-02	-3.27e-02	-7.03e-03	6.87e-03	-3.18e-02
2	111	169	0.31	-0.73	-0.14	-0.28	0.51	2.15e-02	-5.29e-02	-2.34e-02	-8.05e-03	-3.64e-02
2	111	170	0.15	-0.74	-0.19	-0.40	0.43	2.03e-02	-3.07e-02	-8.84e-03	-1.61e-03	-2.52e-02
2	111	171	4.62e-02	-0.74	-0.28	-0.42	0.39	2.27e-02	-1.11e-02	7.81e-03	3.75e-03	-1.68e-02
2	111	172	2.45	-1.13	4.41e-02	1.27	1.68	3.49	-0.18	1.68	1.64	1.83
2	111	173	1.98	-1.03	-9.29e-03	0.96	1.43	2.26	7.60e-02	1.18	1.15	1.09
2	111	174	1.60	-0.96	-6.30e-02	0.70	1.23	1.31	0.14	0.73	0.72	0.59
2	111	175	1.28	-0.92	-0.12	0.48	1.06	0.66	0.12	0.39	0.39	0.27
2	111	176	1.00	-0.89	-0.18	0.28	0.92	0.26	8.36e-02	0.17	0.17	8.82e-02
2	111	177	0.76	-0.88	-0.23	0.11	0.80	5.13e-02	4.55e-02	5.07e-02	4.61e-02	-1.77e-03
2	111	178	0.54	-0.87	-0.28	-5.12e-02	0.70	2.88e-02	-4.12e-02	-3.43e-03	-8.92e-03	-3.49e-02
2	111	179	0.34	-0.88	-0.34	-0.20	0.61	1.95e-02	-5.39e-02	-1.39e-02	-2.06e-02	-3.65e-02
2	111	180	0.17	-0.89	-0.39	-0.34	0.53	1.87e-02	-3.12e-02	-2.34e-03	-1.01e-02	-2.46e-02
2	111	181	4.53e-02	-0.89	-0.46	-0.38	0.47	2.10e-02	-1.19e-02	1.10e-02	-1.80e-03	-1.52e-02
2	111	182	2.96	-1.28	-0.24	1.91	1.83	4.14	-0.40	1.36	2.38	2.21
2	111	183	2.37	-1.16	-0.27	1.48	1.53	2.75	1.03e-02	1.05	1.71	1.33
2	111	184	1.90	-1.09	-0.32	1.14	1.30	1.62	0.13	0.69	1.07	0.72
2	111	185	1.52	-1.04	-0.37	0.85	1.12	0.83	0.13	0.39	0.57	0.34
2	111	186	1.18	-1.01	-0.42	0.59	0.97	0.34	9.29e-02	0.19	0.25	0.12
2	111	187	0.89	-1.00	-0.47	0.36	0.85	7.65e-02	5.46e-02	6.48e-02	6.63e-02	1.09e-02
2	111	188	0.64	-1.00	-0.52	0.16	0.74	2.97e-02	-3.64e-02	8.66e-03	-1.54e-02	-3.08e-02
2	111	189	0.41	-1.00	-0.57	-2.99e-02	0.65	1.83e-02	-5.76e-02	-5.61e-03	-3.37e-02	-3.53e-02
2	111	190	0.20	-1.02	-0.62	-0.21	0.57	1.71e-02	-3.45e-02	2.27e-03	-1.97e-02	-2.34e-02
2	111	191	4.93e-02	-1.02	-0.68	-0.29	0.50	1.95e-02	-1.36e-02	1.29e-02	-7.01e-03	-1.32e-02
2	111	192	3.48	-1.41	-0.64	2.72	1.78	4.72	-0.69	0.69	3.34	2.36
2	111	193	2.77	-1.27	-0.63	2.13	1.47	3.21	-8.28e-02	0.72	2.41	1.41
2	111	194	2.21	-1.18	-0.64	1.67	1.24	1.93	0.12	0.54	1.50	0.77
2	111	195	1.75	-1.13	-0.66	1.29	1.06	1.01	0.14	0.34	0.81	0.36
2	111	196	1.36	-1.10	-0.69	0.96	0.91	0.43	0.10	0.18	0.35	0.13
2	111	197	1.03	-1.08	-0.73	0.67	0.79	0.11	6.10e-02	7.26e-02	9.61e-02	2.02e-02
2	111	198	0.73	-1.08	-0.77	0.41	0.69	3.21e-02	-3.01e-02	2.02e-02	-1.83e-02	-2.44e-02
2	111	199	0.47	-1.09	-0.81	0.18	0.60	1.85e-02	-6.02e-02	3.63e-03	-4.53e-02	-3.08e-02
2	111	200	0.22	-1.11	-0.85	-3.90e-02	0.53	1.67e-02	-3.75e-02	7.39e-03	-2.83e-02	-2.04e-02
2	111	201	5.79e-02	-1.12	-0.89	-0.16	0.46	1.88e-02	-1.51e-02	1.49e-02	-1.12e-02	-1.08e-02
2	111	202	3.96	-1.52	-1.10	3.54	1.46	5.16	-1.00	-0.21	4.37	2.06
2	111	203	3.11	-1.36	-1.02	2.77	1.18	3.58	-0.18	0.27	3.13	1.22
2	111	204	2.46	-1.25	-0.97	2.18	0.98	2.18	9.44e-02	0.33	1.95	0.66
2	111	205	1.94	-1.19	-0.96	1.70	0.83	1.15	0.14	0.25	1.04	0.32
2	111	206	1.51	-1.16	-0.96	1.30	0.71	0.50	0.11	0.15	0.46	0.12
2	111	207	1.13	-1.15	-0.97	0.95	0.61	0.13	6.59e-02	7.37e-02	0.13	2.18e-02
2	111	208	0.80	-1.15	-0.99	0.65	0.53	3.39e-02	-2.44e-02	2.87e-02	-1.92e-02	-1.66e-02
2	111	209	0.51	-1.16	-1.02	0.37	0.47	1.85e-02	-6.21e-02	1.14e-02	-5.50e-02	-2.29e-02
2	111	210	0.25	-1.18	-1.05	0.12	0.41	1.62e-02	-3.99e-02	1.17e-02	-3.55e-02	-1.51e-02

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2	111	211	6.49e-02	-1.18	-1.07	-4.36e-02	0.35	1.81e-02	-1.61e-02	1.63e-02	-1.44e-02	-7.57e-03
2	111	212	4.29	-1.59	-1.47	4.17	0.83	5.43	-1.24	-1.01	5.19	1.22
2	111	213	3.34	-1.41	-1.32	3.25	0.66	3.83	-0.27	-0.13	3.70	0.72
2	111	214	2.63	-1.30	-1.23	2.56	0.55	2.36	7.57e-02	0.14	2.29	0.39
2	111	215	2.07	-1.24	-1.17	2.00	0.46	1.25	0.14	0.18	1.22	0.19
2	111	216	1.60	-1.20	-1.15	1.55	0.39	0.55	0.11	0.13	0.53	7.10e-02
2	111	217	1.20	-1.19	-1.14	1.15	0.34	0.15	6.91e-02	7.15e-02	0.15	1.41e-02
2	111	218	0.85	-1.19	-1.15	0.81	0.29	3.51e-02	-2.03e-02	3.38e-02	-1.90e-02	-8.24e-03
2	111	219	0.54	-1.20	-1.16	0.50	0.25	1.86e-02	-6.32e-02	1.67e-02	-6.14e-02	-1.22e-02
2	111	220	0.26	-1.22	-1.19	0.22	0.22	1.58e-02	-4.14e-02	1.47e-02	-4.02e-02	-8.08e-03
2	111	221	6.94e-02	-1.22	-1.19	4.06e-02	0.19	1.76e-02	-1.68e-02	1.71e-02	-1.63e-02	-3.90e-03
2	111	222	4.41	-1.62	-1.62	4.41	-5.56e-05	5.52	-1.33	-1.33	5.52	-4.26e-06
2	111	223	3.43	-1.43	-1.43	3.43	-3.54e-06	3.92	-0.30	-0.30	3.92	1.72e-06
2	111	224	2.69	-1.32	-1.32	2.69	6.26e-06	2.42	6.83e-02	6.83e-02	2.42	
2	111	225	2.11	-1.25	-1.25	2.11	6.26e-06	1.29	0.14	0.14	1.29	
2	111	226	1.63	-1.22	-1.22	1.63	3.46e-06	0.56	0.12	0.12	0.56	
2	111	227	1.22	-1.20	-1.20	1.22	1.35e-06	0.16	7.02e-02	7.02e-02	0.16	
2	111	228	0.87	-1.20	-1.20	0.87		3.55e-02	-1.88e-02	3.55e-02	-1.88e-02	
2	111	229	0.55	-1.21	-1.21	0.55		1.86e-02	-6.35e-02	1.86e-02	-6.35e-02	
2	111	230	0.26	-1.23	-1.23	0.26		1.57e-02	-4.19e-02	1.57e-02	-4.19e-02	
2	111	231	7.09e-02	-1.24	-1.24	7.09e-02		1.74e-02	-1.70e-02	1.74e-02	-1.70e-02	
2	111	232	4.29	-1.59	-1.47	4.17	-0.83	5.43	-1.24	-1.01	5.19	-1.22
2	111	233	3.34	-1.41	-1.32	3.25	-0.66	3.83	-0.27	-0.13	3.70	-0.72
2	111	234	2.63	-1.30	-1.23	2.56	-0.55	2.36	7.57e-02	0.14	2.29	-0.39
2	111	235	2.07	-1.24	-1.17	2.00	-0.46	1.25	0.14	0.18	1.22	-0.19
2	111	236	1.60	-1.20	-1.15	1.55	-0.39	0.55	0.11	0.13	0.53	-7.10e-02
2	111	237	1.20	-1.19	-1.14	1.15	-0.34	0.15	6.91e-02	7.15e-02	0.15	-1.41e-02
2	111	238	0.85	-1.19	-1.15	0.81	-0.29	3.51e-02	-2.03e-02	3.38e-02	-1.90e-02	8.24e-03
2	111	239	0.54	-1.20	-1.16	0.50	-0.25	1.86e-02	-6.32e-02	1.67e-02	-6.14e-02	1.22e-02
2	111	240	0.26	-1.22	-1.19	0.22	-0.22	1.58e-02	-4.14e-02	1.47e-02	-4.02e-02	8.08e-03
2	111	241	6.94e-02	-1.22	-1.19	4.06e-02	-0.19	1.76e-02	-1.68e-02	1.71e-02	-1.63e-02	3.90e-03
2	111	242	3.96	-1.52	-1.10	3.54	-1.46	5.16	-1.00	-0.21	4.37	-2.06
2	111	243	3.11	-1.36	-1.02	2.77	-1.18	3.58	-0.18	0.27	3.13	-1.22
2	111	244	2.46	-1.25	-0.97	2.18	-0.98	2.18	9.44e-02	0.33	1.95	-0.66
2	111	245	1.94	-1.19	-0.96	1.70	-0.83	1.15	0.14	0.25	1.04	-0.32
2	111	246	1.51	-1.16	-0.96	1.30	-0.71	0.50	0.11	0.15	0.46	-0.12
2	111	247	1.13	-1.15	-0.97	0.95	-0.61	0.13	6.59e-02	7.37e-02	0.13	-2.18e-02
2	111	248	0.80	-1.15	-0.99	0.64	-0.53	3.39e-02	-2.44e-02	2.87e-02	-1.92e-02	1.66e-02
2	111	249	0.51	-1.16	-1.02	0.37	-0.47	1.85e-02	-6.21e-02	1.14e-02	-5.50e-02	2.29e-02
2	111	250	0.25	-1.18	-1.05	0.12	-0.41	1.62e-02	-3.99e-02	1.17e-02	-3.55e-02	1.51e-02
2	111	251	6.49e-02	-1.18	-1.07	-4.36e-02	-0.35	1.81e-02	-1.61e-02	1.63e-02	-1.44e-02	7.57e-03
2	111	252	3.48	-1.41	-0.64	2.71	-1.78	4.72	-0.69	0.69	3.34	-2.36
2	111	253	2.77	-1.27	-0.63	2.13	-1.47	3.21	-8.29e-02	0.72	2.41	-1.41
2	111	254	2.21	-1.18	-0.64	1.67	-1.24	1.93	0.12	0.54	1.50	-0.77
2	111	255	1.75	-1.13	-0.66	1.29	-1.06	1.01	0.14	0.34	0.81	-0.36
2	111	256	1.36	-1.10	-0.69	0.96	-0.91	0.43	0.10	0.18	0.35	-0.13
2	111	257	1.03	-1.08	-0.73	0.67	-0.79	0.11	6.10e-02	7.26e-02	9.61e-02	-2.02e-02
2	111	258	0.73	-1.08	-0.77	0.41	-0.69	3.21e-02	-3.01e-02	2.02e-02	-1.83e-02	2.44e-02
2	111	259	0.47	-1.09	-0.81	0.18	-0.60	1.85e-02	-6.02e-02	3.63e-03	-4.53e-02	3.08e-02
2	111	260	0.22	-1.11	-0.85	-3.91e-02	-0.53	1.67e-02	-3.75e-02	7.39e-03	-2.83e-02	2.04e-02
2	111	261	5.79e-02	-1.12	-0.89	-0.16	-0.46	1.88e-02	-1.51e-02	1.49e-02	-1.12e-02	1.08e-02
2	111	262	2.95	-1.28	-0.24	1.91	-1.82	4.14	-0.40	1.36	2.38	-2.21
2	111	263	2.36	-1.16	-0.27	1.48	-1.53	2.75	1.02e-02	1.05	1.71	-1.33
2	111	264	1.90	-1.09	-0.32	1.14	-1.30	1.62	0.13	0.69	1.07	-0.72
2	111	265	1.52	-1.04	-0.37	0.84	-1.12	0.83	0.13	0.39	0.57	-0.34
2	111	266	1.18	-1.01	-0.42	0.59	-0.97	0.34	9.29e-02	0.19	0.25	-0.12
2	111	267	0.89	-1.00	-0.47	0.36	-0.85	7.65e-02	5.46e-02	6.48e-02	6.63e-02	-1.09e-02
2	111	268	0.64	-1.00	-0.52	0.16	-0.74	2.97e-02	-3.64e-02	8.66e-03	-1.54e-02	3.08e-02
2	111	269	0.41	-1.00	-0.57	-2.99e-02	-0.65	1.83e-02	-5.76e-02	-5.61e-03	-3.37e-02	3.53e-02
2	111	270	0.20	-1.02	-0.62	-0.21	-0.57	1.71e-02	-3.45e-02	2.27e-03	-1.97e-02	2.34e-02
2	111	271	4.93e-02	-1.02	-0.68	-0.29	-0.50	1.95e-02	-1.36e-02	1.29e-02	-7.01e-03	1.32e-02
2	111	272	2.45	-1.13	4.32e-02	1.28	-1.68	3.49	-0.18	1.68	1.64	-1.83
2	111	273	1.98	-1.03	-9.05e-03	0.96	-1.43	2.26	7.60e-02	1.18	1.15	-1.09
2	111	274	1.60	-0.96	-6.31e-02	0.70	-1.23	1.31	0.14	0.73	0.72	-0.59
2	111	275	1.28	-0.92	-0.12	0.48	-1.06	0.66	0.12	0.39	0.39	-0.27

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2	111	276	1.00	-0.89	-0.18	0.28	-0.92	0.26	8.36e-02	0.17	0.17	-8.82e-02
2	111	277	0.76	-0.88	-0.23	0.11	-0.80	5.13e-02	4.55e-02	5.07e-02	4.61e-02	1.77e-03
2	111	278	0.54	-0.87	-0.28	-5.12e-02	-0.70	2.88e-02	-4.12e-02	-3.43e-03	-8.92e-03	3.49e-02
2	111	279	0.34	-0.88	-0.34	-0.20	-0.61	1.95e-02	-5.39e-02	-1.39e-02	-2.06e-02	3.65e-02
2	111	280	0.17	-0.89	-0.39	-0.34	-0.53	1.87e-02	-3.12e-02	-2.34e-03	-1.01e-02	2.46e-02
2	111	281	4.53e-02	-0.89	-0.46	-0.38	-0.47	2.10e-02	-1.19e-02	1.10e-02	-1.80e-03	1.52e-02
2	111	282	2.47	-1.09	0.33	1.05	-1.74	4.13	-0.39	2.43	1.30	-2.19
2	111	283	1.94	-0.95	0.25	0.74	-1.43	2.73	1.43e-02	1.73	1.02	-1.31
2	111	284	1.54	-0.87	0.18	0.49	-1.19	1.61	0.13	1.08	0.67	-0.71
2	111	285	1.21	-0.81	0.11	0.29	-1.00	0.83	0.13	0.58	0.38	-0.33
2	111	286	0.93	-0.77	4.53e-02	0.12	-0.85	0.34	9.51e-02	0.25	0.18	-0.12
2	111	287	0.70	-0.74	-1.84e-02	-2.66e-02	-0.72	7.82e-02	5.71e-02	7.26e-02	6.27e-02	-9.32e-03
2	111	288	0.49	-0.73	-7.89e-02	-0.16	-0.61	3.25e-02	-3.27e-02	-7.03e-03	6.87e-03	3.18e-02
2	111	289	0.31	-0.73	-0.14	-0.28	-0.51	2.15e-02	-5.29e-02	-2.34e-02	-8.05e-03	3.64e-02
2	111	290	0.15	-0.74	-0.19	-0.40	-0.43	2.03e-02	-3.07e-02	-8.84e-03	-1.61e-03	2.52e-02
2	111	291	4.62e-02	-0.74	-0.28	-0.42	-0.39	2.27e-02	-1.11e-02	7.81e-03	3.75e-03	1.68e-02
2	111	292	2.32	-1.06	0.57	0.69	-1.69	4.69	-0.68	3.38	0.63	-2.31
2	111	293	1.78	-0.89	0.45	0.44	-1.34	3.18	-7.67e-02	2.42	0.68	-1.38
2	111	294	1.38	-0.78	0.35	0.25	-1.08	1.91	0.12	1.50	0.52	-0.75
2	111	295	1.07	-0.70	0.27	0.10	-0.88	0.99	0.14	0.81	0.33	-0.35
2	111	296	0.82	-0.65	0.19	-1.98e-02	-0.72	0.42	0.10	0.35	0.17	-0.13
2	111	297	0.60	-0.61	0.12	-0.13	-0.59	0.11	6.36e-02	0.10	7.16e-02	-1.75e-02
2	111	298	0.42	-0.59	5.76e-02	-0.23	-0.48	3.60e-02	-2.33e-02	-8.03e-03	2.07e-02	2.59e-02
2	111	299	0.26	-0.58	-4.59e-04	-0.32	-0.39	2.33e-02	-5.11e-02	-3.22e-02	4.37e-03	3.24e-02
2	111	300	0.12	-0.58	-5.44e-02	-0.40	-0.30	2.16e-02	-2.99e-02	-1.52e-02	6.99e-03	2.32e-02
2	111	301	3.98e-02	-0.58	-0.14	-0.41	-0.28	2.44e-02	-9.77e-03	4.71e-03	9.90e-03	1.69e-02
2	111	302	1.99	-1.04	0.64	0.31	-1.50	5.12	-0.98	4.39	-0.25	-1.98
2	111	303	1.50	-0.83	0.50	0.17	-1.15	3.54	-0.17	3.12	0.24	-1.17
2	111	304	1.15	-0.69	0.39	6.39e-02	-0.90	2.15	9.79e-02	1.93	0.32	-0.64
2	111	305	0.88	-0.59	0.30	-2.08e-02	-0.72	1.13	0.14	1.03	0.25	-0.30
2	111	306	0.66	-0.52	0.23	-9.37e-02	-0.57	0.49	0.11	0.45	0.15	-0.11
2	111	307	0.48	-0.47	0.17	-0.16	-0.45	0.14	6.85e-02	0.13	7.37e-02	-1.82e-02
2	111	308	0.33	-0.43	0.11	-0.22	-0.34	3.85e-02	-1.49e-02	-7.41e-03	3.10e-02	1.86e-02
2	111	309	0.20	-0.41	6.13e-02	-0.28	-0.25	2.46e-02	-4.88e-02	-3.90e-02	1.48e-02	2.50e-02
2	111	310	8.81e-02	-0.40	1.54e-02	-0.33	-0.17	2.27e-02	-2.85e-02	-2.03e-02	1.45e-02	1.88e-02
2	111	311	3.34e-02	-0.41	-5.22e-02	-0.32	-0.17	2.58e-02	-7.96e-03	1.97e-03	1.59e-02	1.54e-02
2	111	312	1.51	-1.05	0.44	2.44e-02	-1.26	5.38	-1.20	5.18	-1.00	-1.12
2	111	313	1.13	-0.80	0.34	-8.85e-03	-0.95	3.77	-0.25	3.66	-0.13	-0.66
2	111	314	0.86	-0.63	0.27	-3.77e-02	-0.73	2.31	8.10e-02	2.25	0.14	-0.36
2	111	315	0.66	-0.51	0.21	-6.47e-02	-0.57	1.22	0.14	1.20	0.17	-0.17
2	111	316	0.49	-0.42	0.17	-9.12e-02	-0.44	0.53	0.12	0.52	0.13	-6.32e-02
2	111	317	0.35	-0.34	0.12	-0.12	-0.33	0.15	7.15e-02	0.15	7.28e-02	-1.01e-02
2	111	318	0.23	-0.29	8.85e-02	-0.14	-0.23	4.03e-02	-8.61e-03	-6.00e-03	3.77e-02	1.10e-02
2	111	319	0.13	-0.24	5.65e-02	-0.17	-0.15	2.58e-02	-4.60e-02	-4.27e-02	2.24e-02	1.52e-02
2	111	320	5.29e-02	-0.22	2.74e-02	-0.19	-7.91e-02	2.37e-02	-2.65e-02	-2.32e-02	2.04e-02	1.25e-02
2	111	321	3.06e-02	-0.23	-1.22e-02	-0.19	-9.66e-02	2.71e-02	-5.85e-03	2.44e-05	2.13e-02	1.26e-02
2	111	322	1.06	-1.21	1.37e-04	-0.15	-1.13	5.45	-1.26	5.45	-1.26	8.73e-02
2	111	323	0.82	-0.90	1.86e-02	-9.83e-02	-0.85	3.84	-0.27	3.84	-0.27	4.48e-02
2	111	324	0.64	-0.67	2.84e-02	-6.76e-02	-0.65	2.36	7.59e-02	2.35	7.61e-02	2.22e-02
2	111	325	0.49	-0.51	3.16e-02	-4.82e-02	-0.50	1.25	0.14	1.25	0.14	1.07e-02
2	111	326	0.37	-0.38	2.94e-02	-3.61e-02	-0.38	0.55	0.12	0.55	0.12	5.43e-03
2	111	327	0.27	-0.28	2.41e-02	-2.88e-02	-0.27	0.16	7.26e-02	0.16	7.28e-02	3.60e-03
2	111	328	0.18	-0.19	1.77e-02	-2.43e-02	-0.19	4.13e-02	-5.09e-03	-4.82e-03	4.10e-02	3.55e-03
2	111	329	0.11	-0.12	1.17e-02	-2.14e-02	-0.11	2.68e-02	-4.30e-02	-4.27e-02	2.65e-02	4.29e-03
2	111	330	3.63e-02	-5.07e-02	5.42e-03	-1.98e-02	-4.16e-02	2.48e-02	-2.39e-02	-2.34e-02	2.42e-02	5.17e-03
2	111	331	5.79e-02	-7.56e-02	1.12e-03	-1.88e-02	-6.60e-02	2.84e-02	-3.54e-03	-8.26e-04	2.57e-02	8.91e-03
2	111	332	0.85	-1.60	-0.44	-0.31	-1.22	5.35	-1.16	5.09	-0.90	1.26
2	111	333	0.68	-1.16	-0.30	-0.18	-0.92	3.74	-0.23	3.60	-9.22e-02	0.73
2	111	334	0.55	-0.86	-0.21	-8.99e-02	-0.70	2.28	8.51e-02	2.21	0.16	0.39
2	111	335	0.46	-0.63	-0.15	-2.62e-02	-0.54	1.21	0.14	1.18	0.18	0.19
2	111	336	0.38	-0.46	-0.11	2.29e-02	-0.41	0.53	0.12	0.51	0.13	7.19e-02
2	111	337	0.31	-0.33	-7.98e-02	6.28e-02	-0.31	0.15	7.18e-02	0.15	7.52e-02	1.66e-02
2	111	338	0.25	-0.21	-5.55e-02	9.67e-02	-0.22	4.15e-02	-4.51e-03	-4.18e-03	4.12e-02	-3.89e-03
2	111	339	0.21	-0.12	-3.49e-02	0.13	-0.14	2.77e-02	-3.96e-02	-3.90e-02	2.71e-02	-6.43e-03
2	111	340	0.18	-4.36e-02	-1.79e-02	0.15	-7.13e-02	2.60e-02	-2.08e-02	-2.07e-02	2.58e-02	-2.16e-03

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2	111	341	0.20	-3.15e-02	1.35e-02	0.15	-9.04e-02	2.97e-02	-1.14e-03	-4.52e-04	2.90e-02	4.57e-03
2	111	342	0.82	-2.03	-0.66	-0.55	-1.43	5.06	-0.92	4.26	-0.11	2.04
2	111	343	0.69	-1.49	-0.48	-0.33	-1.09	3.48	-0.15	3.03	0.30	1.20
2	111	344	0.59	-1.11	-0.35	-0.17	-0.85	2.11	0.10	1.87	0.34	0.65
2	111	345	0.52	-0.83	-0.26	-5.50e-02	-0.67	1.11	0.14	1.00	0.25	0.31
2	111	346	0.46	-0.62	-0.19	3.65e-02	-0.53	0.48	0.11	0.44	0.15	0.12
2	111	347	0.42	-0.44	-0.13	0.11	-0.41	0.14	6.91e-02	0.13	7.82e-02	2.32e-02
2	111	348	0.39	-0.30	-8.55e-02	0.18	-0.32	4.10e-02	-6.38e-03	-3.47e-03	3.81e-02	-1.14e-02
2	111	349	0.37	-0.18	-4.48e-02	0.24	-0.23	2.86e-02	-3.60e-02	-3.19e-02	2.45e-02	-1.57e-02
2	111	350	0.36	-7.80e-02	-9.63e-03	0.29	-0.16	2.71e-02	-1.73e-02	-1.55e-02	2.54e-02	-8.67e-03
2	111	351	0.37	-3.22e-02	5.05e-02	0.29	-0.16	3.09e-02	1.23e-03	1.23e-03	3.09e-02	-3.43e-05
2	111	352	0.86	-2.34	-0.61	-0.87	-1.59	4.61	-0.62	3.25	0.74	2.29
2	111	353	0.75	-1.75	-0.45	-0.55	-1.25	3.10	-5.40e-02	2.32	0.73	1.36
2	111	354	0.67	-1.34	-0.33	-0.33	-1.01	1.85	0.12	1.44	0.54	0.74
2	111	355	0.62	-1.02	-0.24	-0.16	-0.82	0.96	0.14	0.77	0.33	0.35
2	111	356	0.58	-0.77	-0.16	-2.15e-02	-0.67	0.41	0.10	0.34	0.17	0.13
2	111	357	0.56	-0.56	-9.79e-02	9.44e-02	-0.55	0.11	6.50e-02	9.95e-02	7.78e-02	2.11e-02
2	111	358	0.54	-0.39	-4.17e-02	0.20	-0.45	4.00e-02	-9.75e-03	-1.62e-03	3.18e-02	-1.84e-02
2	111	359	0.53	-0.24	9.05e-03	0.29	-0.36	2.94e-02	-3.20e-02	-2.22e-02	1.95e-02	-2.25e-02
2	111	360	0.54	-0.11	5.43e-02	0.37	-0.28	2.83e-02	-1.35e-02	-8.45e-03	2.32e-02	-1.37e-02
2	111	361	0.55	-3.82e-02	0.13	0.38	-0.27	3.18e-02	3.48e-03	4.21e-03	3.10e-02	-4.48e-03
2	111	362	0.90	-2.46	-0.39	-1.17	-1.64	4.03	-0.34	2.32	1.36	2.13
2	111	363	0.82	-1.91	-0.28	-0.81	-1.34	2.65	3.22e-02	1.65	1.03	1.27
2	111	364	0.76	-1.48	-0.18	-0.54	-1.11	1.55	0.14	1.02	0.67	0.69
2	111	365	0.73	-1.15	-0.10	-0.32	-0.93	0.79	0.13	0.55	0.38	0.32
2	111	366	0.70	-0.88	-3.38e-02	-0.15	-0.79	0.33	9.50e-02	0.24	0.18	0.11
2	111	367	0.69	-0.66	2.73e-02	6.22e-03	-0.67	8.45e-02	5.97e-02	7.30e-02	7.12e-02	1.23e-02
2	111	368	0.69	-0.46	8.31e-02	0.14	-0.57	3.85e-02	-1.36e-02	2.04e-03	2.28e-02	-2.39e-02
2	111	369	0.69	-0.29	0.14	0.26	-0.48	2.99e-02	-2.79e-02	-1.11e-02	1.30e-02	-2.63e-02
2	111	370	0.70	-0.14	0.18	0.38	-0.41	2.92e-02	-9.79e-03	-2.91e-04	1.97e-02	-1.67e-02
2	111	371	0.71	-4.45e-02	0.26	0.40	-0.37	3.20e-02	5.50e-03	8.35e-03	2.92e-02	-8.20e-03
2	111	372	0.97	-2.44	-0.12	-1.36	-1.59	3.38	-0.14	1.60	1.64	1.76
2	111	373	0.91	-1.94	-3.03e-02	-1.00	-1.34	2.17	9.11e-02	1.12	1.14	1.04
2	111	374	0.87	-1.54	4.68e-02	-0.72	-1.14	1.25	0.14	0.69	0.70	0.55
2	111	375	0.85	-1.22	0.11	-0.49	-0.99	0.63	0.12	0.37	0.38	0.25
2	111	376	0.83	-0.95	0.17	-0.29	-0.86	0.25	8.69e-02	0.17	0.17	8.27e-02
2	111	377	0.83	-0.72	0.23	-0.11	-0.75	5.98e-02	5.50e-02	5.51e-02	5.97e-02	7.70e-04
2	111	378	0.83	-0.51	0.28	4.32e-02	-0.66	3.88e-02	-1.64e-02	8.45e-03	1.39e-02	-2.74e-02
2	111	379	0.84	-0.32	0.33	0.19	-0.58	3.18e-02	-2.37e-02	7.15e-04	7.42e-03	-2.75e-02
2	111	380	0.85	-0.16	0.37	0.32	-0.50	3.09e-02	-6.28e-03	8.42e-03	1.62e-02	-1.82e-02
2	111	381	0.86	-4.34e-02	0.45	0.37	-0.45	3.23e-02	6.99e-03	1.32e-02	2.60e-02	-1.09e-02
2	111	382	1.08	-2.94	0.12	-1.97	-1.72	4.01	-0.34	1.31	2.37	2.11
2	111	383	1.03	-2.33	0.21	-1.51	-1.44	2.64	3.63e-02	1.00	1.67	1.26
2	111	384	0.98	-1.84	0.28	-1.14	-1.22	1.55	0.14	0.65	1.03	0.68
2	111	385	0.96	-1.46	0.34	-0.84	-1.05	0.79	0.13	0.37	0.55	0.31
2	111	386	0.95	-1.13	0.39	-0.58	-0.92	0.33	9.72e-02	0.18	0.25	0.11
2	111	387	0.94	-0.85	0.45	-0.36	-0.80	8.61e-02	6.23e-02	6.91e-02	7.93e-02	1.07e-02
2	111	388	0.95	-0.61	0.50	-0.15	-0.71	4.12e-02	-9.74e-03	2.11e-02	1.05e-02	-2.49e-02
2	111	389	0.96	-0.39	0.55	2.92e-02	-0.62	3.29e-02	-2.31e-02	1.06e-02	-8.06e-04	-2.74e-02
2	111	390	0.98	-0.19	0.59	0.20	-0.55	3.20e-02	-5.58e-03	1.58e-02	1.06e-02	-1.86e-02
2	111	391	0.99	-4.75e-02	0.66	0.28	-0.48	3.35e-02	9.72e-03	2.00e-02	2.32e-02	-1.18e-02
2	111	392	1.18	-3.47	0.46	-2.75	-1.68	4.59	-0.60	0.68	3.30	2.24
2	111	393	1.11	-2.72	0.52	-2.13	-1.38	3.08	-4.76e-02	0.69	2.34	1.33
2	111	394	1.06	-2.15	0.57	-1.65	-1.16	1.83	0.13	0.52	1.44	0.72
2	111	395	1.04	-1.69	0.61	-1.26	-0.99	0.95	0.14	0.32	0.77	0.34
2	111	396	1.03	-1.31	0.65	-0.93	-0.86	0.40	0.11	0.17	0.34	0.12
2	111	397	1.03	-0.98	0.69	-0.65	-0.75	0.11	6.78e-02	7.69e-02	0.11	1.84e-02
2	111	398	1.04	-0.70	0.73	-0.40	-0.66	4.36e-02	-2.63e-03	3.24e-02	8.64e-03	-1.99e-02
2	111	399	1.05	-0.44	0.78	-0.17	-0.58	3.38e-02	-2.26e-02	2.02e-02	-9.02e-03	-2.41e-02
2	111	400	1.07	-0.21	0.82	3.90e-02	-0.51	3.26e-02	-5.16e-03	2.28e-02	4.61e-03	-1.65e-02
2	111	401	1.08	-5.61e-02	0.86	0.16	-0.44	3.41e-02	1.21e-02	2.60e-02	2.02e-02	-1.06e-02
2	111	402	1.25	-3.95	0.86	-3.56	-1.38	5.02	-0.89	-0.15	4.29	1.95
2	111	403	1.18	-3.07	0.86	-2.75	-1.12	3.44	-0.14	0.28	3.02	1.15
2	111	404	1.13	-2.40	0.87	-2.14	-0.92	2.07	0.11	0.33	1.85	0.62
2	111	405	1.10	-1.88	0.88	-1.66	-0.78	1.09	0.14	0.25	0.98	0.29

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2	111	406	1.09	-1.45	0.90	-1.26	-0.67	0.47	0.11	0.15	0.43	0.11
2	111	407	1.09	-1.09	0.92	-0.92	-0.58	0.14	7.20e-02	7.83e-02	0.13	1.96e-02
2	111	408	1.10	-0.77	0.95	-0.62	-0.51	4.53e-02	3.47e-03	4.04e-02	8.33e-03	-1.34e-02
2	111	409	1.12	-0.49	0.98	-0.35	-0.45	3.42e-02	-2.22e-02	2.79e-02	-1.59e-02	-1.78e-02
2	111	410	1.14	-0.23	1.02	-0.11	-0.39	3.27e-02	-4.93e-03	2.82e-02	-3.64e-04	-1.23e-02
2	111	411	1.15	-6.29e-02	1.04	4.19e-02	-0.34	3.42e-02	1.39e-02	3.05e-02	1.76e-02	-7.84e-03
2	111	412	1.30	-4.29	1.19	-4.18	-0.79	5.29	-1.11	-0.89	5.08	1.16
2	111	413	1.22	-3.31	1.13	-3.22	-0.63	3.68	-0.21	-9.28e-02	3.56	0.68
2	111	414	1.17	-2.58	1.10	-2.50	-0.52	2.24	9.08e-02	0.15	2.17	0.36
2	111	415	1.14	-2.01	1.08	-1.95	-0.43	1.18	0.15	0.17	1.15	0.17
2	111	416	1.13	-1.54	1.08	-1.49	-0.37	0.51	0.12	0.13	0.50	6.41e-02
2	111	417	1.13	-1.15	1.08	-1.11	-0.32	0.16	7.45e-02	7.65e-02	0.15	1.26e-02
2	111	418	1.14	-0.82	1.10	-0.78	-0.28	4.62e-02	7.66e-03	4.50e-02	8.84e-03	-6.63e-03
2	111	419	1.16	-0.52	1.12	-0.48	-0.24	3.44e-02	-2.20e-02	3.27e-02	-2.03e-02	-9.47e-03
2	111	420	1.18	-0.25	1.15	-0.21	-0.22	3.28e-02	-4.80e-03	3.16e-02	-3.63e-03	-6.54e-03
2	111	421	1.19	-6.72e-02	1.16	-3.94e-02	-0.18	3.41e-02	1.49e-02	3.32e-02	1.59e-02	-4.16e-03
2	111	422	1.32	-4.41	1.32	-4.41	-4.37e-05	5.38	-1.19	-1.19	5.38	-3.56e-06
2	111	423	1.24	-3.39	1.24	-3.39	-8.63e-06	3.76	-0.24	-0.24	3.76	1.28e-06
2	111	424	1.19	-2.64	1.19	-2.64		2.29	8.39e-02	8.39e-02	2.29	
2	111	425	1.16	-2.05	1.16	-2.05	2.91e-06	1.21	0.15	0.15	1.21	
2	111	426	1.14	-1.58	1.14	-1.58	2.71e-06	0.53	0.12	0.12	0.53	
2	111	427	1.14	-1.18	1.14	-1.18	1.93e-06	0.16	7.54e-02	7.54e-02	0.16	
2	111	428	1.15	-0.83	1.15	-0.83	1.17e-06	4.66e-02	9.15e-03	4.66e-02	9.15e-03	
2	111	429	1.17	-0.53	1.17	-0.53		3.45e-02	-2.18e-02	3.45e-02	-2.18e-02	
2	111	430	1.19	-0.25	1.19	-0.25		3.27e-02	-4.80e-03	3.27e-02	-4.80e-03	
2	111	431	1.20	-6.86e-02	1.20	-6.86e-02		3.41e-02	1.53e-02	3.41e-02	1.53e-02	
2	111	432	1.30	-4.29	1.19	-4.18	0.79	5.29	-1.11	-0.89	5.08	-1.16
2	111	433	1.22	-3.31	1.13	-3.22	0.63	3.68	-0.21	-9.28e-02	3.56	-0.68
2	111	434	1.17	-2.58	1.10	-2.50	0.52	2.24	9.08e-02	0.15	2.17	-0.36
2	111	435	1.14	-2.01	1.08	-1.95	0.43	1.18	0.15	0.17	1.15	-0.17
2	111	436	1.13	-1.54	1.08	-1.49	0.37	0.51	0.12	0.13	0.50	-6.41e-02
2	111	437	1.13	-1.15	1.08	-1.11	0.32	0.16	7.45e-02	7.65e-02	0.15	-1.26e-02
2	111	438	1.14	-0.82	1.10	-0.78	0.28	4.62e-02	7.66e-03	4.50e-02	8.84e-03	6.63e-03
2	111	439	1.16	-0.52	1.12	-0.48	0.24	3.44e-02	-2.20e-02	3.27e-02	-2.03e-02	9.47e-03
2	111	440	1.18	-0.25	1.15	-0.21	0.22	3.28e-02	-4.80e-03	3.16e-02	-3.63e-03	6.54e-03
2	111	441	1.19	-6.72e-02	1.16	-3.94e-02	0.18	3.41e-02	1.49e-02	3.32e-02	1.59e-02	4.16e-03
2	111	442	1.26	-3.95	0.86	-3.56	1.38	5.02	-0.89	-0.15	4.29	-1.95
2	111	443	1.18	-3.07	0.86	-2.75	1.12	3.44	-0.14	0.28	3.02	-1.15
2	111	444	1.13	-2.40	0.87	-2.14	0.92	2.07	0.11	0.33	1.85	-0.62
2	111	445	1.10	-1.88	0.88	-1.66	0.78	1.09	0.14	0.25	0.98	-0.29
2	111	446	1.09	-1.45	0.90	-1.26	0.67	0.47	0.11	0.15	0.43	-0.11
2	111	447	1.09	-1.09	0.92	-0.92	0.58	0.14	7.20e-02	7.83e-02	0.13	-1.96e-02
2	111	448	1.10	-0.77	0.95	-0.62	0.51	4.53e-02	3.47e-03	4.04e-02	8.33e-03	1.34e-02
2	111	449	1.12	-0.49	0.98	-0.35	0.45	3.42e-02	-2.22e-02	2.79e-02	-1.59e-02	1.78e-02
2	111	450	1.14	-0.23	1.02	-0.11	0.39	3.27e-02	-4.93e-03	2.82e-02	-3.64e-04	1.23e-02
2	111	451	1.15	-6.29e-02	1.04	4.19e-02	0.34	3.42e-02	1.39e-02	3.05e-02	1.76e-02	7.84e-03
2	111	452	1.18	-3.47	0.46	-2.75	1.68	4.59	-0.60	0.68	3.30	-2.24
2	111	453	1.11	-2.72	0.52	-2.13	1.38	3.08	-4.76e-02	0.69	2.34	-1.33
2	111	454	1.06	-2.15	0.57	-1.65	1.16	1.83	0.13	0.52	1.44	-0.72
2	111	455	1.04	-1.69	0.61	-1.26	0.99	0.95	0.14	0.32	0.77	-0.34
2	111	456	1.03	-1.31	0.65	-0.93	0.86	0.40	0.11	0.17	0.34	-0.12
2	111	457	1.03	-0.98	0.69	-0.65	0.75	0.11	6.78e-02	7.69e-02	0.11	-1.84e-02
2	111	458	1.04	-0.70	0.73	-0.40	0.66	4.36e-02	-2.63e-03	3.24e-02	8.64e-03	1.99e-02
2	111	459	1.05	-0.44	0.78	-0.17	0.58	3.38e-02	-2.26e-02	2.02e-02	-9.02e-03	2.41e-02
2	111	460	1.07	-0.21	0.82	3.90e-02	0.51	3.26e-02	-5.16e-03	2.28e-02	4.61e-03	1.65e-02
2	111	461	1.08	-5.61e-02	0.86	0.16	0.44	3.41e-02	1.21e-02	2.60e-02	2.02e-02	1.06e-02
2	111	462	1.09	-2.94	0.12	-1.97	1.72	4.01	-0.34	1.31	2.37	-2.11
2	111	463	1.02	-2.33	0.20	-1.51	1.44	2.64	3.62e-02	1.00	1.67	-1.26
2	111	464	0.98	-1.84	0.28	-1.14	1.22	1.54	0.14	0.65	1.03	-0.68
2	111	465	0.96	-1.46	0.34	-0.84	1.05	0.79	0.13	0.37	0.55	-0.31
2	111	466	0.95	-1.13	0.39	-0.58	0.92	0.33	9.71e-02	0.18	0.25	-0.11
2	111	467	0.94	-0.85	0.45	-0.36	0.80	8.61e-02	6.23e-02	6.91e-02	7.93e-02	-1.07e-02
2	111	468	0.95	-0.61	0.50	-0.15	0.71	4.12e-02	-9.74e-03	2.11e-02	1.05e-02	2.49e-02
2	111	469	0.96	-0.39	0.55	2.92e-02	0.62	3.29e-02	-2.31e-02	1.06e-02	-8.07e-04	2.74e-02
2	111	470	0.98	-0.19	0.59	0.20	0.55	3.20e-02	-5.58e-03	1.58e-02	1.06e-02	1.86e-02

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2	111	471	0.99	-4.75e-02	0.66	0.28	0.48	3.35e-02	9.72e-03	2.00e-02	2.32e-02	1.18e-02
2	111	472	0.96	-2.44	-0.13	-1.35	1.59	3.38	-0.14	1.60	1.64	-1.76
2	111	473	0.91	-1.94	-3.21e-02	-1.00	1.34	2.17	9.11e-02	1.12	1.14	-1.04
2	111	474	0.87	-1.54	4.61e-02	-0.72	1.14	1.25	0.14	0.69	0.70	-0.55
2	111	475	0.85	-1.22	0.11	-0.49	0.99	0.63	0.12	0.37	0.38	-0.25
2	111	476	0.83	-0.95	0.17	-0.29	0.86	0.25	8.69e-02	0.17	0.17	-8.27e-02
2	111	477	0.83	-0.72	0.23	-0.11	0.75	5.98e-02	5.50e-02	5.51e-02	5.97e-02	-7.70e-04
2	111	478	0.83	-0.51	0.28	4.32e-02	0.66	3.88e-02	-1.64e-02	8.45e-03	1.39e-02	2.74e-02
2	111	479	0.84	-0.32	0.33	0.19	0.58	3.18e-02	-2.37e-02	7.15e-04	7.42e-03	2.75e-02
2	111	480	0.85	-0.16	0.37	0.32	0.50	3.09e-02	-6.28e-03	8.42e-03	1.62e-02	1.82e-02
2	111	481	0.86	-4.34e-02	0.45	0.37	0.45	3.23e-02	6.99e-03	1.32e-02	2.60e-02	1.09e-02
2	111	482	0.90	-2.46	-0.39	-1.17	1.64	4.03	-0.34	2.32	1.36	-2.13
2	111	483	0.82	-1.91	-0.28	-0.81	1.34	2.65	3.22e-02	1.65	1.03	-1.27
2	111	484	0.76	-1.48	-0.18	-0.54	1.11	1.55	0.14	1.02	0.67	-0.69
2	111	485	0.73	-1.15	-0.10	-0.32	0.93	0.79	0.13	0.55	0.38	-0.32
2	111	486	0.70	-0.88	-3.39e-02	-0.15	0.79	0.33	9.50e-02	0.24	0.18	-0.11
2	111	487	0.69	-0.66	2.72e-02	6.17e-03	0.67	8.45e-02	5.97e-02	7.30e-02	7.12e-02	-1.23e-02
2	111	488	0.69	-0.46	8.31e-02	0.14	0.57	3.85e-02	-1.36e-02	2.04e-03	2.28e-02	2.39e-02
2	111	489	0.69	-0.29	0.14	0.26	0.48	2.99e-02	-2.79e-02	-1.11e-02	1.30e-02	2.63e-02
2	111	490	0.70	-0.14	0.18	0.38	0.41	2.92e-02	-9.79e-03	-2.91e-04	1.97e-02	1.67e-02
2	111	491	0.71	-4.45e-02	0.26	0.40	0.37	3.20e-02	5.50e-03	8.35e-03	2.92e-02	8.20e-03
2	111	492	0.86	-2.34	-0.60	-0.87	1.59	4.61	-0.62	3.26	0.74	-2.29
2	111	493	0.75	-1.75	-0.45	-0.55	1.25	3.10	-5.40e-02	2.32	0.73	-1.36
2	111	494	0.67	-1.34	-0.33	-0.33	1.01	1.85	0.12	1.44	0.54	-0.74
2	111	495	0.62	-1.02	-0.24	-0.16	0.82	0.96	0.14	0.77	0.33	-0.35
2	111	496	0.58	-0.77	-0.16	-2.15e-02	0.67	0.41	0.10	0.34	0.17	-0.13
2	111	497	0.56	-0.56	-9.80e-02	9.44e-02	0.55	0.11	6.50e-02	9.95e-02	7.78e-02	-2.11e-02
2	111	498	0.54	-0.39	-4.17e-02	0.20	0.45	4.00e-02	-9.75e-03	-1.62e-03	3.18e-02	1.84e-02
2	111	499	0.53	-0.24	9.05e-03	0.29	0.36	2.94e-02	-3.20e-02	-2.22e-02	1.95e-02	2.25e-02
2	111	500	0.54	-0.11	5.43e-02	0.37	0.28	2.83e-02	-1.35e-02	-8.45e-03	2.32e-02	1.37e-02
2	111	501	0.55	-3.83e-02	0.13	0.38	0.27	3.18e-02	3.48e-03	4.21e-03	3.10e-02	4.48e-03
2	111	502	0.82	-2.03	-0.66	-0.55	1.43	5.06	-0.92	4.26	-0.11	-2.04
2	111	503	0.69	-1.49	-0.48	-0.33	1.09	3.48	-0.15	3.03	0.30	-1.20
2	111	504	0.59	-1.11	-0.35	-0.17	0.85	2.11	0.10	1.87	0.34	-0.65
2	111	505	0.52	-0.83	-0.26	-5.51e-02	0.67	1.11	0.14	1.00	0.25	-0.31
2	111	506	0.46	-0.62	-0.19	3.65e-02	0.53	0.48	0.11	0.44	0.15	-0.12
2	111	507	0.42	-0.44	-0.13	0.11	0.41	0.14	6.91e-02	0.13	7.82e-02	-2.32e-02
2	111	508	0.39	-0.30	-8.55e-02	0.18	0.32	4.10e-02	-6.38e-03	-3.47e-03	3.81e-02	1.14e-02
2	111	509	0.37	-0.18	-4.48e-02	0.24	0.23	2.86e-02	-3.60e-02	-3.19e-02	2.45e-02	1.57e-02
2	111	510	0.36	-7.80e-02	-9.62e-03	0.29	0.16	2.71e-02	-1.73e-02	-1.55e-02	2.54e-02	8.67e-03
2	111	511	0.37	-3.22e-02	5.04e-02	0.29	0.16	3.09e-02	1.23e-03	1.23e-03	3.09e-02	3.43e-05
2	111	512	0.85	-1.60	-0.44	-0.31	1.22	5.35	-1.16	5.09	-0.90	-1.26
2	111	513	0.68	-1.16	-0.30	-0.18	0.92	3.74	-0.23	3.60	-9.22e-02	-0.73
2	111	514	0.55	-0.86	-0.21	-8.99e-02	0.70	2.28	8.51e-02	2.21	0.16	-0.39
2	111	515	0.46	-0.63	-0.15	-2.62e-02	0.54	1.21	0.14	1.18	0.18	-0.19
2	111	516	0.38	-0.46	-0.11	2.29e-02	0.41	0.53	0.12	0.51	0.13	-7.19e-02
2	111	517	0.31	-0.33	-7.98e-02	6.28e-02	0.31	0.15	7.18e-02	0.15	7.52e-02	-1.66e-02
2	111	518	0.25	-0.21	-5.55e-02	9.67e-02	0.22	4.15e-02	-4.51e-03	-4.18e-03	4.12e-02	3.89e-03
2	111	519	0.21	-0.12	-3.49e-02	0.13	0.14	2.77e-02	-3.96e-02	-3.90e-02	2.71e-02	6.43e-03
2	111	520	0.18	-4.36e-02	-1.79e-02	0.15	7.13e-02	2.60e-02	-2.08e-02	-2.07e-02	2.58e-02	2.16e-03
2	111	521	0.20	-3.15e-02	1.35e-02	0.15	9.04e-02	2.97e-02	-1.14e-03	-4.52e-04	2.90e-02	-4.57e-03
2	115	1	1.08	-3.06	-0.18	-1.79	-1.91	4.75	-0.76	1.96	2.03	2.76
2	115	2	1.24	-3.79	7.62e-02	-2.63	-2.12	5.46	-1.32	1.29	2.84	3.30
2	115	3	1.26	-4.18	-0.33	-2.59	-2.47	6.09	-2.37	1.79	1.93	4.23
2	115	4	1.07	-3.23	-0.53	-1.63	-2.08	5.46	-1.33	2.74	1.39	3.33
2	115	5	1.31	-4.39	-0.82	-2.26	-2.76	6.36	-3.68	2.64	3.99e-02	4.85
2	115	6	1.08	-3.19	-0.82	-1.29	-2.12	5.99	-2.05	3.78	0.15	3.59
2	115	7	1.35	-4.21	-1.26	-1.59	-2.78	6.26	-5.12	3.85	-2.72	4.65
2	115	8	1.09	-2.88	-0.95	-0.84	-1.98	6.28	-2.82	4.95	-1.48	3.22
2	115	9	1.41	-3.34	-1.12	-0.81	-2.37	5.95	-6.35	5.12	-5.52	3.09
2	115	10	1.17	-2.27	-0.69	-0.41	-1.71	6.40	-3.44	5.97	-3.00	2.02
2	115	11	1.90	-2.23	-0.10	-0.23	-2.06	5.76	-6.92	5.76	-6.92	0.26
2	115	12	1.50	-1.65	-3.64e-02	-0.11	-1.58	6.43	-3.71	6.42	-3.71	0.17
2	115	13	3.09	-1.78	0.91	0.40	-2.42	5.90	-6.57	5.28	-5.96	-2.70
2	115	14	2.17	-1.36	0.61	0.21	-1.75	6.41	-3.54	6.09	-3.22	-1.75

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2	115	15	4.03	-1.70	1.06	1.27	-2.87	6.21	-5.43	4.03	-3.26	-4.54
2	115	16	2.83	-1.30	0.86	0.67	-2.06	6.30	-2.97	5.12	-1.78	-3.09
2	115	17	4.28	-1.62	0.64	2.02	-2.87	6.36	-3.96	2.76	-0.36	-4.92
2	115	18	3.18	-1.30	0.72	1.17	-2.23	6.04	-2.21	3.94	-0.11	-3.59
2	115	19	4.12	-1.52	0.17	2.43	-2.58	6.15	-2.59	1.85	1.71	-4.37
2	115	20	3.25	-1.28	0.41	1.56	-2.19	5.55	-1.46	2.86	1.23	-3.41
2	115	21	3.78	-1.41	-0.15	2.51	-2.23	5.56	-1.46	1.33	2.76	-3.44
2	115	22	3.13	-1.24	0.15	1.75	-2.03	4.86	-0.86	2.04	1.97	-2.86
2	115	23	1.37	-4.54	0.48	-3.65	-2.11	5.97	-2.03	4.82e-02	3.89	3.51
2	115	24	1.43	-5.27	0.11	-3.95	-2.67	6.37	-3.66	-0.13	2.83	4.79
2	115	25	1.59	-5.98	-0.44	-3.94	-3.36	6.11	-5.88	-7.13e-03	0.24	5.99
2	115	26	1.82	-6.53	-1.42	-3.29	-4.07	5.14	-8.54	0.74	-4.14	6.38
2	115	27	1.82	-5.54	-1.87	-1.85	-3.68	3.81	-11.02	2.12	-9.33	4.71
2	115	28	2.38	-2.88	-0.18	-0.32	-2.63	3.06	-12.27	3.05	-12.26	0.38
2	115	29	5.18	-2.30	1.51	1.37	-3.74	3.58	-11.57	2.32	-10.31	-4.18
2	115	30	6.28	-2.25	1.09	2.94	-4.16	4.90	-9.16	0.80	-5.05	-6.39
2	115	31	5.79	-1.96	0.17	3.66	-3.45	5.98	-6.34	-5.28e-02	-0.30	-6.16
2	115	32	5.16	-1.75	-0.35	3.77	-2.77	6.35	-3.98	-0.19	2.57	-4.98
2	115	33	4.51	-1.56	-0.60	3.55	-2.22	6.05	-2.23	-1.41e-03	3.82	-3.67
2	115	34	1.48	-5.24	0.98	-4.74	-1.76	6.27	-2.76	-1.55	5.06	3.08
2	115	35	1.57	-6.35	0.78	-5.56	-2.37	6.29	-5.07	-2.86	4.08	4.50
2	115	36	1.81	-7.71	0.50	-6.40	-3.28	5.19	-8.52	-4.42	1.09	6.28
2	115	37	2.32	-9.65	-0.12	-7.21	-4.82	2.67	-13.38	-5.54	-5.17	8.03
2	115	38	3.88	-15.05	-3.56	-7.61	-9.24	-1.06	-18.18	-4.83	-14.41	7.10
2	115	39	0.23	-1.16	-0.41	-0.52	-0.70	-3.28	-21.47	-3.29	-21.46	0.40
2	115	40	14.65	-4.44	3.06	7.16	-9.32	-2.07	-20.28	-5.06	-17.29	-6.74
2	115	41	9.31	-2.71	-0.25	6.85	-4.85	1.99	-14.39	-6.01	-6.39	-8.19
2	115	42	7.45	-2.23	-0.85	6.07	-3.38	4.84	-9.16	-4.78	0.45	-6.50
2	115	43	6.19	-1.93	-1.10	5.36	-2.46	6.17	-5.48	-3.11	3.81	-4.69
2	115	44	5.18	-1.68	-1.15	4.64	-1.84	6.31	-3.02	-1.72	5.01	-3.23
2	115	45	1.54	-5.73	1.39	-5.58	-1.02	6.40	-3.34	-2.98	6.04	1.84
2	115	46	1.62	-7.13	1.39	-6.90	-1.41	6.03	-6.22	-5.53	5.33	2.84
2	115	47	1.83	-8.99	1.44	-8.60	-2.01	3.99	-10.92	-9.50	2.57	4.38
2	115	48	2.29	-11.52	1.71	-10.94	-2.77	-0.97	-18.67	-15.39	-4.25	6.88
2	115	49	6.63	-14.41	6.27	-14.04	-2.75	-10.35	-33.81	-21.89	-22.27	11.72
2	115	50	-8.33e-02	-3.39	-1.79	-1.68	-1.65	-14.23	-38.73	-14.23	-38.73	0.26
2	115	51	15.04	-5.86	-5.56	14.74	-2.47	-12.19	-34.95	-23.76	-23.38	-11.38
2	115	52	11.05	-2.78	-2.16	10.44	-2.86	-2.21	-19.74	-16.31	-5.64	-6.96
2	115	53	8.64	-2.33	-1.93	8.24	-2.07	3.38	-11.65	-10.14	1.87	-4.52
2	115	54	6.93	-2.04	-1.80	6.69	-1.46	5.81	-6.70	-5.95	5.07	-2.96
2	115	55	5.66	-1.75	-1.60	5.50	-1.06	6.41	-3.63	-3.24	6.02	-1.93
2	115	56	1.56	-5.90	1.56	-5.90	-2.45e-05	6.43	-3.56	-3.56	6.43	1.00e-06
2	115	57	1.62	-7.41	1.62	-7.41	3.83e-05	5.89	-6.67	-6.67	5.89	4.04e-06
2	115	58	1.69	-9.42	1.69	-9.42	2.74e-05	3.41	-11.87	-11.87	3.41	
2	115	59	1.07	-12.23	1.07	-12.23	1.83e-05	-2.47	-20.91	-20.91	-2.47	
2	115	60	-6.86	-15.60	-6.86	-15.60	5.62e-06	-11.69	-38.40	-38.40	-11.69	
2	115	61	2.84	2.84	2.84	2.84		-90.14	-90.14	-90.14	-90.14	
2	115	62	12.02	3.50	3.50	12.02	4.75e-06	-16.77	-39.06	-39.06	-16.77	
2	115	63	11.41	-2.10	-2.10	11.41	1.46e-05	-4.10	-22.02	-22.02	-4.10	
2	115	64	9.06	-2.32	-2.32	9.06	1.37e-05	2.70	-12.64	-12.64	2.70	
2	115	65	7.21	-2.08	-2.08	7.21	-1.36e-05	5.63	-7.17	-7.17	5.63	4.73e-06
2	115	66	5.83	-1.78	-1.78	5.83	2.99e-05	6.42	-3.86	-3.86	6.42	
2	115	67	1.54	-5.73	1.39	-5.58	1.02	6.40	-3.34	-2.98	6.04	-1.84
2	115	68	1.62	-7.13	1.39	-6.90	1.41	6.03	-6.22	-5.53	5.33	-2.84
2	115	69	1.83	-8.99	1.44	-8.60	2.01	3.99	-10.92	-9.50	2.57	-4.38
2	115	70	2.29	-11.52	1.71	-10.94	2.77	-0.97	-18.67	-15.39	-4.25	-6.88
2	115	71	6.63	-14.41	6.27	-14.04	2.75	-10.35	-33.81	-21.89	-22.27	-11.72
2	115	72	-8.33e-02	-3.39	-1.79	-1.68	1.65	-14.23	-38.73	-14.23	-38.73	-0.26
2	115	73	15.04	-5.86	-5.56	14.74	2.47	-12.19	-34.95	-23.76	-23.38	11.38
2	115	74	11.05	-2.78	-2.16	10.44	2.86	-2.21	-19.74	-16.31	-5.64	6.96
2	115	75	8.64	-2.33	-1.93	8.24	2.07	3.38	-11.65	-10.14	1.87	4.52
2	115	76	6.93	-2.04	-1.80	6.69	1.46	5.81	-6.70	-5.95	5.07	2.96
2	115	77	5.66	-1.75	-1.60	5.50	1.06	6.41	-3.63	-3.24	6.02	1.93
2	115	78	1.48	-5.24	0.98	-4.73	1.76	6.27	-2.76	-1.55	5.06	-3.08
2	115	79	1.57	-6.35	0.78	-5.56	2.37	6.29	-5.07	-2.86	4.08	-4.50

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2	115	80	1.81	-7.71	0.50	-6.40	3.28	5.19	-8.52	-4.42	1.09	-6.28
2	115	81	2.32	-9.65	-0.12	-7.21	4.82	2.67	-13.38	-5.54	-5.17	-8.03
2	115	82	3.88	-15.05	-3.56	-7.61	9.24	-1.06	-18.18	-4.83	-14.41	-7.10
2	115	83	0.23	-1.16	-0.41	-0.52	0.70	-3.28	-21.47	-3.29	-21.46	-0.40
2	115	84	14.65	-4.44	3.06	7.16	9.32	-2.07	-20.28	-5.06	-17.29	6.74
2	115	85	9.31	-2.71	-0.25	6.85	4.85	1.99	-14.39	-6.01	-6.39	8.19
2	115	86	7.45	-2.23	-0.85	6.07	3.38	4.84	-9.16	-4.78	0.45	6.50
2	115	87	6.19	-1.93	-1.10	5.36	2.46	6.17	-5.48	-3.11	3.81	4.69
2	115	88	5.18	-1.68	-1.14	4.64	1.84	6.31	-3.02	-1.72	5.01	3.23
2	115	89	1.37	-4.54	0.48	-3.65	2.11	5.97	-2.03	4.84e-02	3.89	-3.51
2	115	90	1.43	-5.27	0.11	-3.95	2.67	6.37	-3.66	-0.13	2.83	-4.79
2	115	91	1.59	-5.98	-0.44	-3.94	3.36	6.11	-5.88	-7.13e-03	0.24	-5.99
2	115	92	1.82	-6.53	-1.42	-3.29	4.07	5.14	-8.54	0.74	-4.14	-6.38
2	115	93	1.82	-5.54	-1.87	-1.85	3.68	3.81	-11.02	2.12	-9.33	-4.71
2	115	94	2.38	-2.88	-0.18	-0.32	2.63	3.06	-12.27	3.05	-12.26	-0.38
2	115	95	5.18	-2.30	1.51	1.37	3.74	3.58	-11.57	2.32	-10.31	4.18
2	115	96	6.28	-2.25	1.09	2.94	4.16	4.90	-9.16	0.80	-5.05	6.39
2	115	97	5.79	-1.96	0.17	3.66	3.45	5.98	-6.34	-5.28e-02	-0.30	6.16
2	115	98	5.16	-1.75	-0.35	3.77	2.77	6.35	-3.98	-0.19	2.57	4.98
2	115	99	4.51	-1.56	-0.60	3.55	2.22	6.05	-2.23	-1.70e-03	3.82	3.67
2	115	100	1.24	-3.79	7.53e-02	-2.63	2.12	5.46	-1.32	1.29	2.84	-3.30
2	115	101	1.26	-4.18	-0.33	-2.59	2.47	6.09	-2.37	1.79	1.93	-4.23
2	115	102	1.31	-4.39	-0.82	-2.26	2.76	6.36	-3.68	2.64	4.00e-02	-4.85
2	115	103	1.35	-4.21	-1.26	-1.59	2.78	6.26	-5.12	3.85	-2.72	-4.65
2	115	104	1.41	-3.34	-1.12	-0.81	2.37	5.95	-6.35	5.12	-5.52	-3.09
2	115	105	1.90	-2.23	-0.10	-0.23	2.06	5.76	-6.92	5.76	-6.92	-0.26
2	115	106	3.09	-1.78	0.91	0.40	2.42	5.90	-6.57	5.28	-5.96	2.70
2	115	107	4.03	-1.70	1.06	1.27	2.87	6.21	-5.43	4.03	-3.26	4.54
2	115	108	4.28	-1.62	0.64	2.02	2.87	6.36	-3.96	2.76	-0.36	4.92
2	115	109	4.12	-1.52	0.17	2.43	2.58	6.15	-2.59	1.85	1.71	4.37
2	115	110	3.78	-1.41	-0.14	2.51	2.23	5.56	-1.46	1.33	2.76	3.44
2	115	111	1.09	-3.06	-0.17	-1.80	1.91	4.75	-0.76	1.96	2.03	-2.76
2	115	112	1.07	-3.23	-0.53	-1.63	2.08	5.46	-1.33	2.74	1.39	-3.33
2	115	113	1.08	-3.19	-0.82	-1.29	2.12	5.99	-2.05	3.78	0.15	-3.59
2	115	114	1.09	-2.88	-0.95	-0.83	1.98	6.28	-2.82	4.95	-1.48	-3.22
2	115	115	1.17	-2.27	-0.69	-0.41	1.71	6.40	-3.44	5.97	-3.00	-2.02
2	115	116	1.50	-1.65	-3.64e-02	-0.11	1.58	6.43	-3.71	6.42	-3.71	-0.17
2	115	117	2.17	-1.36	0.61	0.21	1.75	6.41	-3.54	6.09	-3.22	1.75
2	115	118	2.83	-1.30	0.86	0.67	2.06	6.30	-2.97	5.12	-1.78	3.09
2	115	119	3.18	-1.30	0.72	1.17	2.23	6.04	-2.21	3.94	-0.11	3.59
2	115	120	3.25	-1.27	0.41	1.56	2.19	5.55	-1.46	2.86	1.23	3.41
2	115	121	3.14	-1.24	0.13	1.77	2.03	4.86	-0.86	2.04	1.97	2.86
2	115	122	1.06	-1.21	8.44e-05	-0.15	1.13	5.45	-1.26	5.45	-1.26	-8.73e-02
2	115	123	1.51	-1.05	0.44	2.45e-02	1.26	5.37	-1.20	5.18	-1.00	1.12
2	115	124	0.82	-0.90	1.86e-02	-9.84e-02	0.85	3.84	-0.27	3.84	-0.27	-4.48e-02
2	115	125	1.13	-0.80	0.34	-8.89e-03	0.95	3.77	-0.25	3.66	-0.13	0.66
2	115	126	0.64	-0.67	2.84e-02	-6.76e-02	0.65	2.36	7.59e-02	2.35	7.61e-02	-2.22e-02
2	115	127	0.86	-0.63	0.27	-3.77e-02	0.73	2.31	8.10e-02	2.25	0.14	0.36
2	115	128	0.49	-0.51	3.16e-02	-4.82e-02	0.50	1.25	0.14	1.25	0.14	-1.07e-02
2	115	129	0.66	-0.51	0.21	-6.47e-02	0.57	1.22	0.14	1.20	0.17	0.17
2	115	130	0.37	-0.38	2.94e-02	-3.61e-02	0.38	0.55	0.12	0.55	0.12	-5.43e-03
2	115	131	0.49	-0.42	0.17	-9.12e-02	0.44	0.53	0.12	0.52	0.13	6.32e-02
2	115	132	0.27	-0.28	2.41e-02	-2.88e-02	0.27	0.16	7.26e-02	0.16	7.28e-02	-3.60e-03
2	115	133	0.35	-0.34	0.12	-0.12	0.33	0.15	7.15e-02	0.15	7.28e-02	1.01e-02
2	115	134	0.18	-0.19	1.77e-02	-2.43e-02	0.19	4.13e-02	-5.09e-03	-4.82e-03	4.10e-02	-3.55e-03
2	115	135	0.23	-0.29	8.85e-02	-0.14	0.23	4.03e-02	-8.61e-03	-6.00e-03	3.77e-02	-1.10e-02
2	115	136	0.11	-0.12	1.17e-02	-2.14e-02	0.11	2.68e-02	-4.30e-02	-4.27e-02	2.65e-02	-4.29e-03
2	115	137	0.13	-0.24	5.65e-02	-0.17	0.15	2.58e-02	-4.60e-02	-4.27e-02	2.24e-02	-1.52e-02
2	115	138	3.63e-02	-5.07e-02	5.41e-03	-1.98e-02	4.16e-02	2.48e-02	-2.39e-02	-2.34e-02	2.42e-02	-5.17e-03
2	115	139	5.29e-02	-0.22	2.74e-02	-0.19	7.91e-02	2.37e-02	-2.65e-02	-2.32e-02	2.04e-02	-1.25e-02
2	115	140	5.79e-02	-7.56e-02	1.14e-03	-1.88e-02	6.60e-02	2.84e-02	-3.54e-03	-8.25e-04	2.57e-02	-8.91e-03
2	115	141	3.06e-02	-0.23	-1.22e-02	-0.19	9.66e-02	2.71e-02	-5.85e-03	2.44e-05	2.13e-02	-1.26e-02
2	115	142	1.99	-1.04	0.64	0.31	1.50	5.12	-0.98	4.39	-0.25	1.98
2	115	143	1.50	-0.83	0.50	0.17	1.15	3.54	-0.17	3.12	0.24	1.17
2	115	144	1.14	-0.69	0.39	6.37e-02	0.90	2.15	9.79e-02	1.93	0.32	0.64

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2	115	145	0.88	-0.59	0.30	-2.08e-02	0.72	1.13	0.14	1.03	0.25	0.30
2	115	146	0.66	-0.52	0.23	-9.37e-02	0.57	0.49	0.11	0.45	0.15	0.11
2	115	147	0.48	-0.47	0.17	-0.16	0.45	0.14	6.85e-02	0.13	7.37e-02	1.82e-02
2	115	148	0.33	-0.43	0.11	-0.22	0.34	3.85e-02	-1.49e-02	-7.41e-03	3.10e-02	-1.86e-02
2	115	149	0.20	-0.41	6.13e-02	-0.28	0.25	2.46e-02	-4.88e-02	-3.90e-02	1.48e-02	-2.50e-02
2	115	150	8.81e-02	-0.40	1.54e-02	-0.33	0.17	2.27e-02	-2.85e-02	-2.03e-02	1.45e-02	-1.88e-02
2	115	151	3.34e-02	-0.41	-5.22e-02	-0.32	0.17	2.58e-02	-7.96e-03	1.97e-03	1.59e-02	-1.54e-02
2	115	152	2.32	-1.07	0.57	0.69	1.69	4.69	-0.68	3.38	0.63	2.31
2	115	153	1.78	-0.89	0.45	0.44	1.34	3.18	-7.68e-02	2.42	0.68	1.38
2	115	154	1.38	-0.78	0.35	0.25	1.08	1.91	0.12	1.50	0.52	0.75
2	115	155	1.07	-0.70	0.27	0.10	0.88	0.99	0.14	0.81	0.33	0.35
2	115	156	0.82	-0.65	0.19	-1.98e-02	0.72	0.42	0.10	0.35	0.17	0.13
2	115	157	0.60	-0.61	0.12	-0.13	0.59	0.11	6.36e-02	0.10	7.16e-02	1.75e-02
2	115	158	0.42	-0.59	5.75e-02	-0.23	0.48	3.60e-02	-2.33e-02	-8.03e-03	2.07e-02	-2.59e-02
2	115	159	0.26	-0.58	-4.65e-04	-0.32	0.39	2.33e-02	-5.11e-02	-3.22e-02	4.37e-03	-3.24e-02
2	115	160	0.12	-0.58	-5.43e-02	-0.40	0.30	2.16e-02	-2.99e-02	-1.52e-02	6.99e-03	-2.32e-02
2	115	161	3.98e-02	-0.58	-0.14	-0.41	0.28	2.44e-02	-9.77e-03	4.71e-03	9.90e-03	-1.69e-02
2	115	162	2.46	-1.09	0.32	1.05	1.74	4.13	-0.40	2.43	1.30	2.19
2	115	163	1.94	-0.96	0.25	0.74	1.43	2.73	1.42e-02	1.73	1.02	1.31
2	115	164	1.54	-0.87	0.18	0.49	1.19	1.61	0.13	1.08	0.67	0.71
2	115	165	1.21	-0.81	0.11	0.29	1.00	0.83	0.13	0.58	0.38	0.33
2	115	166	0.93	-0.77	4.51e-02	0.12	0.85	0.34	9.51e-02	0.25	0.18	0.12
2	115	167	0.70	-0.74	-1.85e-02	-2.67e-02	0.72	7.82e-02	5.71e-02	7.26e-02	6.27e-02	9.32e-03
2	115	168	0.49	-0.73	-7.89e-02	-0.16	0.61	3.25e-02	-3.27e-02	-7.03e-03	6.87e-03	-3.18e-02
2	115	169	0.31	-0.73	-0.14	-0.28	0.51	2.15e-02	-5.29e-02	-2.34e-02	-8.05e-03	-3.64e-02
2	115	170	0.15	-0.74	-0.19	-0.40	0.43	2.03e-02	-3.07e-02	-8.84e-03	-1.61e-03	-2.52e-02
2	115	171	4.62e-02	-0.74	-0.28	-0.42	0.39	2.27e-02	-1.11e-02	7.81e-03	3.75e-03	-1.68e-02
2	115	172	2.45	-1.13	4.41e-02	1.27	1.68	3.49	-0.18	1.68	1.64	1.83
2	115	173	1.98	-1.03	-9.29e-03	0.96	1.43	2.26	7.60e-02	1.18	1.15	1.09
2	115	174	1.60	-0.96	-6.30e-02	0.70	1.23	1.31	0.14	0.73	0.72	0.59
2	115	175	1.28	-0.92	-0.12	0.48	1.06	0.66	0.12	0.39	0.39	0.27
2	115	176	1.00	-0.89	-0.18	0.28	0.92	0.26	8.36e-02	0.17	0.17	8.82e-02
2	115	177	0.76	-0.88	-0.23	0.11	0.80	5.13e-02	4.55e-02	5.07e-02	4.61e-02	-1.77e-03
2	115	178	0.54	-0.87	-0.28	-5.12e-02	0.70	2.88e-02	-4.12e-02	-3.43e-03	-8.92e-03	-3.49e-02
2	115	179	0.34	-0.88	-0.34	-0.20	0.61	1.95e-02	-5.39e-02	-1.39e-02	-2.06e-02	-3.65e-02
2	115	180	0.17	-0.89	-0.39	-0.34	0.53	1.87e-02	-3.12e-02	-2.34e-03	-1.01e-02	-2.46e-02
2	115	181	4.53e-02	-0.89	-0.46	-0.38	0.47	2.10e-02	-1.19e-02	1.10e-02	-1.80e-03	-1.52e-02
2	115	182	2.96	-1.28	-0.24	1.91	1.83	4.14	-0.40	1.36	2.38	2.21
2	115	183	2.37	-1.16	-0.27	1.48	1.53	2.75	1.03e-02	1.05	1.71	1.33
2	115	184	1.90	-1.09	-0.32	1.14	1.30	1.62	0.13	0.69	1.07	0.72
2	115	185	1.52	-1.04	-0.37	0.85	1.12	0.83	0.13	0.39	0.57	0.34
2	115	186	1.18	-1.01	-0.42	0.59	0.97	0.34	9.29e-02	0.19	0.25	0.12
2	115	187	0.89	-1.00	-0.47	0.36	0.85	7.65e-02	5.46e-02	6.48e-02	6.63e-02	1.09e-02
2	115	188	0.64	-1.00	-0.52	0.16	0.74	2.97e-02	-3.64e-02	8.66e-03	-1.54e-02	-3.08e-02
2	115	189	0.41	-1.00	-0.57	-2.99e-02	0.65	1.83e-02	-5.76e-02	-5.61e-03	-3.37e-02	-3.53e-02
2	115	190	0.20	-1.02	-0.62	-0.21	0.57	1.71e-02	-3.45e-02	2.27e-03	-1.97e-02	-2.34e-02
2	115	191	4.93e-02	-1.02	-0.68	-0.29	0.50	1.95e-02	-1.36e-02	1.29e-02	-7.01e-03	-1.32e-02
2	115	192	3.48	-1.41	-0.64	2.72	1.78	4.72	-0.69	0.69	3.34	2.36
2	115	193	2.77	-1.27	-0.63	2.13	1.47	3.21	-8.28e-02	0.72	2.41	1.41
2	115	194	2.21	-1.18	-0.64	1.67	1.24	1.93	0.12	0.54	1.50	0.77
2	115	195	1.75	-1.13	-0.66	1.29	1.06	1.01	0.14	0.34	0.81	0.36
2	115	196	1.36	-1.10	-0.69	0.96	0.91	0.43	0.10	0.18	0.35	0.13
2	115	197	1.03	-1.08	-0.73	0.67	0.79	0.11	6.10e-02	7.26e-02	9.61e-02	2.02e-02
2	115	198	0.73	-1.08	-0.77	0.41	0.69	3.21e-02	-3.01e-02	2.02e-02	-1.83e-02	-2.44e-02
2	115	199	0.47	-1.09	-0.81	0.18	0.60	1.85e-02	-6.02e-02	3.63e-03	-4.53e-02	-3.08e-02
2	115	200	0.22	-1.11	-0.85	-3.90e-02	0.53	1.67e-02	-3.75e-02	7.39e-03	-2.83e-02	-2.04e-02
2	115	201	5.79e-02	-1.12	-0.89	-0.16	0.46	1.88e-02	-1.51e-02	1.49e-02	-1.12e-02	-1.08e-02
2	115	202	3.96	-1.52	-1.10	3.54	1.46	5.16	-1.00	-0.21	4.37	2.06
2	115	203	3.11	-1.36	-1.02	2.77	1.18	3.58	-0.18	0.27	3.13	1.22
2	115	204	2.46	-1.25	-0.97	2.18	0.98	2.18	9.44e-02	0.33	1.95	0.66
2	115	205	1.94	-1.19	-0.96	1.70	0.83	1.15	0.14	0.25	1.04	0.32
2	115	206	1.51	-1.16	-0.96	1.30	0.71	0.50	0.11	0.15	0.46	0.12
2	115	207	1.13	-1.15	-0.97	0.95	0.61	0.13	6.59e-02	7.37e-02	0.13	2.18e-02
2	115	208	0.80	-1.15	-0.99	0.65	0.53	3.39e-02	-2.44e-02	2.87e-02	-1.92e-02	-1.66e-02
2	115	209	0.51	-1.16	-1.02	0.37	0.47	1.85e-02	-6.21e-02	1.14e-02	-5.50e-02	-2.29e-02

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2	115	210	0.25	-1.18	-1.05	0.12	0.41	1.62e-02	-3.99e-02	1.17e-02	-3.55e-02	-1.51e-02
2	115	211	6.49e-02	-1.18	-1.07	-4.36e-02	0.35	1.81e-02	-1.61e-02	1.63e-02	-1.44e-02	-7.57e-03
2	115	212	4.29	-1.59	-1.47	4.17	0.83	5.43	-1.24	-1.01	5.19	1.22
2	115	213	3.34	-1.41	-1.32	3.25	0.66	3.83	-0.27	-0.13	3.70	0.72
2	115	214	2.63	-1.30	-1.23	2.56	0.55	2.36	7.57e-02	0.14	2.29	0.39
2	115	215	2.07	-1.24	-1.17	2.00	0.46	1.25	0.14	0.18	1.22	0.19
2	115	216	1.60	-1.20	-1.15	1.55	0.39	0.55	0.11	0.13	0.53	7.10e-02
2	115	217	1.20	-1.19	-1.14	1.15	0.34	0.15	6.91e-02	7.15e-02	0.15	1.41e-02
2	115	218	0.85	-1.19	-1.15	0.81	0.29	3.51e-02	-2.03e-02	3.38e-02	-1.90e-02	-8.24e-03
2	115	219	0.54	-1.20	-1.16	0.50	0.25	1.86e-02	-6.32e-02	1.67e-02	-6.14e-02	-1.22e-02
2	115	220	0.26	-1.22	-1.19	0.22	0.22	1.58e-02	-4.14e-02	1.47e-02	-4.02e-02	-8.08e-03
2	115	221	6.94e-02	-1.22	-1.19	4.06e-02	0.19	1.76e-02	-1.68e-02	1.71e-02	-1.63e-02	-3.90e-03
2	115	222	4.41	-1.62	-1.62	4.41	-5.56e-05	5.52	-1.33	-1.33	5.52	-4.26e-06
2	115	223	3.43	-1.43	-1.43	3.43	-3.54e-06	3.92	-0.30	-0.30	3.92	1.72e-06
2	115	224	2.69	-1.32	-1.32	2.69	6.26e-06	2.42	6.83e-02	6.83e-02	2.42	
2	115	225	2.11	-1.25	-1.25	2.11	6.26e-06	1.29	0.14	0.14	1.29	
2	115	226	1.63	-1.22	-1.22	1.63	3.46e-06	0.56	0.12	0.12	0.56	
2	115	227	1.22	-1.20	-1.20	1.22	1.35e-06	0.16	7.02e-02	7.02e-02	0.16	
2	115	228	0.87	-1.20	-1.20	0.87		3.55e-02	-1.88e-02	3.55e-02	-1.88e-02	
2	115	229	0.55	-1.21	-1.21	0.55		1.86e-02	-6.35e-02	1.86e-02	-6.35e-02	
2	115	230	0.26	-1.23	-1.23	0.26		1.57e-02	-4.19e-02	1.57e-02	-4.19e-02	
2	115	231	7.09e-02	-1.24	-1.24	7.09e-02		1.74e-02	-1.70e-02	1.74e-02	-1.70e-02	
2	115	232	4.29	-1.59	-1.47	4.17	-0.83	5.43	-1.24	-1.01	5.19	-1.22
2	115	233	3.34	-1.41	-1.32	3.25	-0.66	3.83	-0.27	-0.13	3.70	-0.72
2	115	234	2.63	-1.30	-1.23	2.56	-0.55	2.36	7.57e-02	0.14	2.29	-0.39
2	115	235	2.07	-1.24	-1.17	2.00	-0.46	1.25	0.14	0.18	1.22	-0.19
2	115	236	1.60	-1.20	-1.15	1.55	-0.39	0.55	0.11	0.13	0.53	-7.10e-02
2	115	237	1.20	-1.19	-1.14	1.15	-0.34	0.15	6.91e-02	7.15e-02	0.15	-1.41e-02
2	115	238	0.85	-1.19	-1.15	0.81	-0.29	3.51e-02	-2.03e-02	3.38e-02	-1.90e-02	8.24e-03
2	115	239	0.54	-1.20	-1.16	0.50	-0.25	1.86e-02	-6.32e-02	1.67e-02	-6.14e-02	1.22e-02
2	115	240	0.26	-1.22	-1.19	0.22	-0.22	1.58e-02	-4.14e-02	1.47e-02	-4.02e-02	8.08e-03
2	115	241	6.94e-02	-1.22	-1.19	4.06e-02	-0.19	1.76e-02	-1.68e-02	1.71e-02	-1.63e-02	3.90e-03
2	115	242	3.96	-1.52	-1.10	3.54	-1.46	5.16	-1.00	-0.21	4.37	-2.06
2	115	243	3.11	-1.36	-1.02	2.77	-1.18	3.58	-0.18	0.27	3.13	-1.22
2	115	244	2.46	-1.25	-0.97	2.18	-0.98	2.18	9.44e-02	0.33	1.95	-0.66
2	115	245	1.94	-1.19	-0.96	1.70	-0.83	1.15	0.14	0.25	1.04	-0.32
2	115	246	1.51	-1.16	-0.96	1.30	-0.71	0.50	0.11	0.15	0.46	-0.12
2	115	247	1.13	-1.15	-0.97	0.95	-0.61	0.13	6.59e-02	7.37e-02	0.13	-2.18e-02
2	115	248	0.80	-1.15	-0.99	0.64	-0.53	3.39e-02	-2.44e-02	2.87e-02	-1.92e-02	1.66e-02
2	115	249	0.51	-1.16	-1.02	0.37	-0.47	1.85e-02	-6.21e-02	1.14e-02	-5.50e-02	2.29e-02
2	115	250	0.25	-1.18	-1.05	0.12	-0.41	1.62e-02	-3.99e-02	1.17e-02	-3.55e-02	1.51e-02
2	115	251	6.49e-02	-1.18	-1.07	-4.36e-02	-0.35	1.81e-02	-1.61e-02	1.63e-02	-1.44e-02	7.57e-03
2	115	252	3.48	-1.41	-0.64	2.71	-1.78	4.72	-0.69	0.69	3.34	-2.36
2	115	253	2.77	-1.27	-0.63	2.13	-1.47	3.21	-8.29e-02	0.72	2.41	-1.41
2	115	254	2.21	-1.18	-0.64	1.67	-1.24	1.93	0.12	0.54	1.50	-0.77
2	115	255	1.75	-1.13	-0.66	1.29	-1.06	1.01	0.14	0.34	0.81	-0.36
2	115	256	1.36	-1.10	-0.69	0.96	-0.91	0.43	0.10	0.18	0.35	-0.13
2	115	257	1.03	-1.08	-0.73	0.67	-0.79	0.11	6.10e-02	7.26e-02	9.61e-02	-2.02e-02
2	115	258	0.73	-1.08	-0.77	0.41	-0.69	3.21e-02	-3.01e-02	2.02e-02	-1.83e-02	2.44e-02
2	115	259	0.47	-1.09	-0.81	0.18	-0.60	1.85e-02	-6.02e-02	3.63e-03	-4.53e-02	3.08e-02
2	115	260	0.22	-1.11	-0.85	-3.91e-02	-0.53	1.67e-02	-3.75e-02	7.39e-03	-2.83e-02	2.04e-02
2	115	261	5.79e-02	-1.12	-0.89	-0.16	-0.46	1.88e-02	-1.51e-02	1.49e-02	-1.12e-02	1.08e-02
2	115	262	2.95	-1.28	-0.24	1.91	-1.82	4.14	-0.40	1.36	2.38	-2.21
2	115	263	2.36	-1.16	-0.27	1.48	-1.53	2.75	1.02e-02	1.05	1.71	-1.33
2	115	264	1.90	-1.09	-0.32	1.14	-1.30	1.62	0.13	0.69	1.07	-0.72
2	115	265	1.52	-1.04	-0.37	0.84	-1.12	0.83	0.13	0.39	0.57	-0.34
2	115	266	1.18	-1.01	-0.42	0.59	-0.97	0.34	9.29e-02	0.19	0.25	-0.12
2	115	267	0.89	-1.00	-0.47	0.36	-0.85	7.65e-02	5.46e-02	6.48e-02	6.63e-02	-1.09e-02
2	115	268	0.64	-1.00	-0.52	0.16	-0.74	2.97e-02	-3.64e-02	8.66e-03	-1.54e-02	3.08e-02
2	115	269	0.41	-1.00	-0.57	-2.99e-02	-0.65	1.83e-02	-5.76e-02	-5.61e-03	-3.37e-02	3.53e-02
2	115	270	0.20	-1.02	-0.62	-0.21	-0.57	1.71e-02	-3.45e-02	2.27e-03	-1.97e-02	2.34e-02
2	115	271	4.93e-02	-1.02	-0.68	-0.29	-0.50	1.95e-02	-1.36e-02	1.29e-02	-7.01e-03	1.32e-02
2	115	272	2.45	-1.13	4.32e-02	1.28	-1.68	3.49	-0.18	1.68	1.64	-1.83
2	115	273	1.98	-1.03	-9.05e-03	0.96	-1.43	2.26	7.60e-02	1.18	1.15	-1.09
2	115	274	1.60	-0.96	-6.31e-02	0.70	-1.23	1.31	0.14	0.73	0.72	-0.59

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2	115	275	1.28	-0.92	-0.12	0.48	-1.06	0.66	0.12	0.39	0.39	-0.27
2	115	276	1.00	-0.89	-0.18	0.28	-0.92	0.26	8.36e-02	0.17	0.17	-8.82e-02
2	115	277	0.76	-0.88	-0.23	0.11	-0.80	5.13e-02	4.55e-02	5.07e-02	4.61e-02	1.77e-03
2	115	278	0.54	-0.87	-0.28	-5.12e-02	-0.70	2.88e-02	-4.12e-02	-3.43e-03	-8.92e-03	3.49e-02
2	115	279	0.34	-0.88	-0.34	-0.20	-0.61	1.95e-02	-5.39e-02	-1.39e-02	-2.06e-02	3.65e-02
2	115	280	0.17	-0.89	-0.39	-0.34	-0.53	1.87e-02	-3.12e-02	-2.34e-03	-1.01e-02	2.46e-02
2	115	281	4.53e-02	-0.89	-0.46	-0.38	-0.47	2.10e-02	-1.19e-02	1.10e-02	-1.80e-03	1.52e-02
2	115	282	2.47	-1.09	0.33	1.05	-1.74	4.13	-0.39	2.43	1.30	-2.19
2	115	283	1.94	-0.95	0.25	0.74	-1.43	2.73	1.43e-02	1.73	1.02	-1.31
2	115	284	1.54	-0.87	0.18	0.49	-1.19	1.61	0.13	1.08	0.67	-0.71
2	115	285	1.21	-0.81	0.11	0.29	-1.00	0.83	0.13	0.58	0.38	-0.33
2	115	286	0.93	-0.77	4.53e-02	0.12	-0.85	0.34	9.51e-02	0.25	0.18	-0.12
2	115	287	0.70	-0.74	-1.84e-02	-2.66e-02	-0.72	7.82e-02	5.71e-02	7.26e-02	6.27e-02	-9.32e-03
2	115	288	0.49	-0.73	-7.89e-02	-0.16	-0.61	3.25e-02	-3.27e-02	-7.03e-03	6.87e-03	3.18e-02
2	115	289	0.31	-0.73	-0.14	-0.28	-0.51	2.15e-02	-5.29e-02	-2.34e-02	-8.05e-03	3.64e-02
2	115	290	0.15	-0.74	-0.19	-0.40	-0.43	2.03e-02	-3.07e-02	-8.84e-03	-1.61e-03	2.52e-02
2	115	291	4.62e-02	-0.74	-0.28	-0.42	-0.39	2.27e-02	-1.11e-02	7.81e-03	3.75e-03	1.68e-02
2	115	292	2.32	-1.06	0.57	0.69	-1.69	4.69	-0.68	3.38	0.63	-2.31
2	115	293	1.78	-0.89	0.45	0.44	-1.34	3.18	-7.67e-02	2.42	0.68	-1.38
2	115	294	1.38	-0.78	0.35	0.25	-1.08	1.91	0.12	1.50	0.52	-0.75
2	115	295	1.07	-0.70	0.27	0.10	-0.88	0.99	0.14	0.81	0.33	-0.35
2	115	296	0.82	-0.65	0.19	-1.98e-02	-0.72	0.42	0.10	0.35	0.17	-0.13
2	115	297	0.60	-0.61	0.12	-0.13	-0.59	0.11	6.36e-02	0.10	7.16e-02	-1.75e-02
2	115	298	0.42	-0.59	5.76e-02	-0.23	-0.48	3.60e-02	-2.33e-02	-8.03e-03	2.07e-02	2.59e-02
2	115	299	0.26	-0.58	-4.59e-04	-0.32	-0.39	2.33e-02	-5.11e-02	-3.22e-02	4.37e-03	3.24e-02
2	115	300	0.12	-0.58	-5.44e-02	-0.40	-0.30	2.16e-02	-2.99e-02	-1.52e-02	6.99e-03	2.32e-02
2	115	301	3.98e-02	-0.58	-0.14	-0.41	-0.28	2.44e-02	-9.77e-03	4.71e-03	9.90e-03	1.69e-02
2	115	302	1.99	-1.04	0.64	0.31	-1.50	5.12	-0.98	4.39	-0.25	-1.98
2	115	303	1.50	-0.83	0.50	0.17	-1.15	3.54	-0.17	3.12	0.24	-1.17
2	115	304	1.15	-0.69	0.39	6.39e-02	-0.90	2.15	9.79e-02	1.93	0.32	-0.64
2	115	305	0.88	-0.59	0.30	-2.08e-02	-0.72	1.13	0.14	1.03	0.25	-0.30
2	115	306	0.66	-0.52	0.23	-9.37e-02	-0.57	0.49	0.11	0.45	0.15	-0.11
2	115	307	0.48	-0.47	0.17	-0.16	-0.45	0.14	6.85e-02	0.13	7.37e-02	-1.82e-02
2	115	308	0.33	-0.43	0.11	-0.22	-0.34	3.85e-02	-1.49e-02	-7.41e-03	3.10e-02	1.86e-02
2	115	309	0.20	-0.41	6.13e-02	-0.28	-0.25	2.46e-02	-4.88e-02	-3.90e-02	1.48e-02	2.50e-02
2	115	310	8.81e-02	-0.40	1.54e-02	-0.33	-0.17	2.27e-02	-2.85e-02	-2.03e-02	1.45e-02	1.88e-02
2	115	311	3.34e-02	-0.41	-5.22e-02	-0.32	-0.17	2.58e-02	-7.96e-03	1.97e-03	1.59e-02	1.54e-02
2	115	312	1.51	-1.05	0.44	2.44e-02	-1.26	5.38	-1.20	5.18	-1.00	-1.12
2	115	313	1.13	-0.80	0.34	-8.85e-03	-0.95	3.77	-0.25	3.66	-0.13	-0.66
2	115	314	0.86	-0.63	0.27	-3.77e-02	-0.73	2.31	8.10e-02	2.25	0.14	-0.36
2	115	315	0.66	-0.51	0.21	-6.47e-02	-0.57	1.22	0.14	1.20	0.17	-0.17
2	115	316	0.49	-0.42	0.17	-9.12e-02	-0.44	0.53	0.12	0.52	0.13	-6.32e-02
2	115	317	0.35	-0.34	0.12	-0.12	-0.33	0.15	7.15e-02	0.15	7.28e-02	-1.01e-02
2	115	318	0.23	-0.29	8.85e-02	-0.14	-0.23	4.03e-02	-8.61e-03	-6.00e-03	3.77e-02	1.10e-02
2	115	319	0.13	-0.24	5.65e-02	-0.17	-0.15	2.58e-02	-4.60e-02	-4.27e-02	2.24e-02	1.52e-02
2	115	320	5.29e-02	-0.22	2.74e-02	-0.19	-7.91e-02	2.37e-02	-2.65e-02	-2.32e-02	2.04e-02	1.25e-02
2	115	321	3.06e-02	-0.23	-1.22e-02	-0.19	-9.66e-02	2.71e-02	-5.85e-03	2.44e-05	2.13e-02	1.26e-02
2	115	322	1.06	-1.21	1.37e-04	-0.15	-1.13	5.45	-1.26	5.45	-1.26	8.73e-02
2	115	323	0.82	-0.90	1.86e-02	-9.83e-02	-0.85	3.84	-0.27	3.84	-0.27	4.48e-02
2	115	324	0.64	-0.67	2.84e-02	-6.76e-02	-0.65	2.36	7.59e-02	2.35	7.61e-02	2.22e-02
2	115	325	0.49	-0.51	3.16e-02	-4.82e-02	-0.50	1.25	0.14	1.25	0.14	1.07e-02
2	115	326	0.37	-0.38	2.94e-02	-3.61e-02	-0.38	0.55	0.12	0.55	0.12	5.43e-03
2	115	327	0.27	-0.28	2.41e-02	-2.88e-02	-0.27	0.16	7.26e-02	0.16	7.28e-02	3.60e-03
2	115	328	0.18	-0.19	1.77e-02	-2.43e-02	-0.19	4.13e-02	-5.09e-03	-4.82e-03	4.10e-02	3.55e-03
2	115	329	0.11	-0.12	1.17e-02	-2.14e-02	-0.11	2.68e-02	-4.30e-02	-4.27e-02	2.65e-02	4.29e-03
2	115	330	3.63e-02	-5.07e-02	5.42e-03	-1.98e-02	-4.16e-02	2.48e-02	-2.39e-02	-2.34e-02	2.42e-02	5.17e-03
2	115	331	5.79e-02	-7.56e-02	1.12e-03	-1.88e-02	-6.60e-02	2.84e-02	-3.54e-03	-8.26e-04	2.57e-02	8.91e-03
2	115	332	0.85	-1.60	-0.44	-0.31	-1.22	5.35	-1.16	5.09	-0.90	1.26
2	115	333	0.68	-1.16	-0.30	-0.18	-0.92	3.74	-0.23	3.60	-9.22e-02	0.73
2	115	334	0.55	-0.86	-0.21	-8.99e-02	-0.70	2.28	8.51e-02	2.21	0.16	0.39
2	115	335	0.46	-0.63	-0.15	-2.62e-02	-0.54	1.21	0.14	1.18	0.18	0.19
2	115	336	0.38	-0.46	-0.11	2.29e-02	-0.41	0.53	0.12	0.51	0.13	7.19e-02
2	115	337	0.31	-0.33	-7.98e-02	6.28e-02	-0.31	0.15	7.18e-02	0.15	7.52e-02	1.66e-02
2	115	338	0.25	-0.21	-5.55e-02	9.67e-02	-0.22	4.15e-02	-4.51e-03	-4.18e-03	4.12e-02	-3.89e-03
2	115	339	0.21	-0.12	-3.49e-02	0.13	-0.14	2.77e-02	-3.96e-02	-3.90e-02	2.71e-02	-6.43e-03

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2	115	340	0.18	-4.36e-02	-1.79e-02	0.15	-7.13e-02	2.60e-02	-2.08e-02	-2.07e-02	2.58e-02	-2.16e-03
2	115	341	0.20	-3.15e-02	1.35e-02	0.15	-9.04e-02	2.97e-02	-1.14e-03	-4.52e-04	2.90e-02	4.57e-03
2	115	342	0.82	-2.03	-0.66	-0.55	-1.43	5.06	-0.92	4.26	-0.11	2.04
2	115	343	0.69	-1.49	-0.48	-0.33	-1.09	3.48	-0.15	3.03	0.30	1.20
2	115	344	0.59	-1.11	-0.35	-0.17	-0.85	2.11	0.10	1.87	0.34	0.65
2	115	345	0.52	-0.83	-0.26	-5.50e-02	-0.67	1.11	0.14	1.00	0.25	0.31
2	115	346	0.46	-0.62	-0.19	3.65e-02	-0.53	0.48	0.11	0.44	0.15	0.12
2	115	347	0.42	-0.44	-0.13	0.11	-0.41	0.14	6.91e-02	0.13	7.82e-02	2.32e-02
2	115	348	0.39	-0.30	-8.55e-02	0.18	-0.32	4.10e-02	-6.38e-03	-3.47e-03	3.81e-02	-1.14e-02
2	115	349	0.37	-0.18	-4.48e-02	0.24	-0.23	2.86e-02	-3.60e-02	-3.19e-02	2.45e-02	-1.57e-02
2	115	350	0.36	-7.80e-02	-9.63e-03	0.29	-0.16	2.71e-02	-1.73e-02	-1.55e-02	2.54e-02	-8.67e-03
2	115	351	0.37	-3.22e-02	5.05e-02	0.29	-0.16	3.09e-02	1.23e-03	1.23e-03	3.09e-02	-3.43e-05
2	115	352	0.86	-2.34	-0.61	-0.87	-1.59	4.61	-0.62	3.25	0.74	2.29
2	115	353	0.75	-1.75	-0.45	-0.55	-1.25	3.10	-5.40e-02	2.32	0.73	1.36
2	115	354	0.67	-1.34	-0.33	-0.33	-1.01	1.85	0.12	1.44	0.54	0.74
2	115	355	0.62	-1.02	-0.24	-0.16	-0.82	0.96	0.14	0.77	0.33	0.35
2	115	356	0.58	-0.77	-0.16	-2.15e-02	-0.67	0.41	0.10	0.34	0.17	0.13
2	115	357	0.56	-0.56	-9.79e-02	9.44e-02	-0.55	0.11	6.50e-02	9.95e-02	7.78e-02	2.11e-02
2	115	358	0.54	-0.39	-4.17e-02	0.20	-0.45	4.00e-02	-9.75e-03	-1.62e-03	3.18e-02	-1.84e-02
2	115	359	0.53	-0.24	9.05e-03	0.29	-0.36	2.94e-02	-3.20e-02	-2.22e-02	1.95e-02	-2.25e-02
2	115	360	0.54	-0.11	5.43e-02	0.37	-0.28	2.83e-02	-1.35e-02	-8.45e-03	2.32e-02	-1.37e-02
2	115	361	0.55	-3.82e-02	0.13	0.38	-0.27	3.18e-02	3.48e-03	4.21e-03	3.10e-02	-4.48e-03
2	115	362	0.90	-2.46	-0.39	-1.17	-1.64	4.03	-0.34	2.32	1.36	2.13
2	115	363	0.82	-1.91	-0.28	-0.81	-1.34	2.65	3.22e-02	1.65	1.03	1.27
2	115	364	0.76	-1.48	-0.18	-0.54	-1.11	1.55	0.14	1.02	0.67	0.69
2	115	365	0.73	-1.15	-0.10	-0.32	-0.93	0.79	0.13	0.55	0.38	0.32
2	115	366	0.70	-0.88	-3.38e-02	-0.15	-0.79	0.33	9.50e-02	0.24	0.18	0.11
2	115	367	0.69	-0.66	2.73e-02	6.22e-03	-0.67	8.45e-02	5.97e-02	7.30e-02	7.12e-02	1.23e-02
2	115	368	0.69	-0.46	8.31e-02	0.14	-0.57	3.85e-02	-1.36e-02	2.04e-03	2.28e-02	-2.39e-02
2	115	369	0.69	-0.29	0.14	0.26	-0.48	2.99e-02	-2.79e-02	-1.11e-02	1.30e-02	-2.63e-02
2	115	370	0.70	-0.14	0.18	0.38	-0.41	2.92e-02	-9.79e-03	-2.91e-04	1.97e-02	-1.67e-02
2	115	371	0.71	-4.45e-02	0.26	0.40	-0.37	3.20e-02	5.50e-03	8.35e-03	2.92e-02	-8.20e-03
2	115	372	0.97	-2.44	-0.12	-1.36	-1.59	3.38	-0.14	1.60	1.64	1.76
2	115	373	0.91	-1.94	-3.03e-02	-1.00	-1.34	2.17	9.11e-02	1.12	1.14	1.04
2	115	374	0.87	-1.54	4.68e-02	-0.72	-1.14	1.25	0.14	0.69	0.70	0.55
2	115	375	0.85	-1.22	0.11	-0.49	-0.99	0.63	0.12	0.37	0.38	0.25
2	115	376	0.83	-0.95	0.17	-0.29	-0.86	0.25	8.69e-02	0.17	0.17	8.27e-02
2	115	377	0.83	-0.72	0.23	-0.11	-0.75	5.98e-02	5.50e-02	5.51e-02	5.97e-02	7.70e-04
2	115	378	0.83	-0.51	0.28	4.32e-02	-0.66	3.88e-02	-1.64e-02	8.45e-03	1.39e-02	-2.74e-02
2	115	379	0.84	-0.32	0.33	0.19	-0.58	3.18e-02	-2.37e-02	7.15e-04	7.42e-03	-2.75e-02
2	115	380	0.85	-0.16	0.37	0.32	-0.50	3.09e-02	-6.28e-03	8.42e-03	1.62e-02	-1.82e-02
2	115	381	0.86	-4.34e-02	0.45	0.37	-0.45	3.23e-02	6.99e-03	1.32e-02	2.60e-02	-1.09e-02
2	115	382	1.08	-2.94	0.12	-1.97	-1.72	4.01	-0.34	1.31	2.37	2.11
2	115	383	1.03	-2.33	0.21	-1.51	-1.44	2.64	3.63e-02	1.00	1.67	1.26
2	115	384	0.98	-1.84	0.28	-1.14	-1.22	1.55	0.14	0.65	1.03	0.68
2	115	385	0.96	-1.46	0.34	-0.84	-1.05	0.79	0.13	0.37	0.55	0.31
2	115	386	0.95	-1.13	0.39	-0.58	-0.92	0.33	9.72e-02	0.18	0.25	0.11
2	115	387	0.94	-0.85	0.45	-0.36	-0.80	8.61e-02	6.23e-02	6.91e-02	7.93e-02	1.07e-02
2	115	388	0.95	-0.61	0.50	-0.15	-0.71	4.12e-02	-9.74e-03	2.11e-02	1.05e-02	-2.49e-02
2	115	389	0.96	-0.39	0.55	2.92e-02	-0.62	3.29e-02	-2.31e-02	1.06e-02	-8.06e-04	-2.74e-02
2	115	390	0.98	-0.19	0.59	0.20	-0.55	3.20e-02	-5.58e-03	1.58e-02	1.06e-02	-1.86e-02
2	115	391	0.99	-4.75e-02	0.66	0.28	-0.48	3.35e-02	9.72e-03	2.00e-02	2.32e-02	-1.18e-02
2	115	392	1.18	-3.47	0.46	-2.75	-1.68	4.59	-0.60	0.68	3.30	2.24
2	115	393	1.11	-2.72	0.52	-2.13	-1.38	3.08	-4.76e-02	0.69	2.34	1.33
2	115	394	1.06	-2.15	0.57	-1.65	-1.16	1.83	0.13	0.52	1.44	0.72
2	115	395	1.04	-1.69	0.61	-1.26	-0.99	0.95	0.14	0.32	0.77	0.34
2	115	396	1.03	-1.31	0.65	-0.93	-0.86	0.40	0.11	0.17	0.34	0.12
2	115	397	1.03	-0.98	0.69	-0.65	-0.75	0.11	6.78e-02	7.69e-02	0.11	1.84e-02
2	115	398	1.04	-0.70	0.73	-0.40	-0.66	4.36e-02	-2.63e-03	3.24e-02	8.64e-03	-1.99e-02
2	115	399	1.05	-0.44	0.78	-0.17	-0.58	3.38e-02	-2.26e-02	2.02e-02	-9.02e-03	-2.41e-02
2	115	400	1.07	-0.21	0.82	3.90e-02	-0.51	3.26e-02	-5.16e-03	2.28e-02	4.61e-03	-1.65e-02
2	115	401	1.08	-5.61e-02	0.86	0.16	-0.44	3.41e-02	1.21e-02	2.60e-02	2.02e-02	-1.06e-02
2	115	402	1.25	-3.95	0.86	-3.56	-1.38	5.02	-0.89	-0.15	4.29	1.95
2	115	403	1.18	-3.07	0.86	-2.75	-1.12	3.44	-0.14	0.28	3.02	1.15
2	115	404	1.13	-2.40	0.87	-2.14	-0.92	2.07	0.11	0.33	1.85	0.62

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2	115	405	1.10	-1.88	0.88	-1.66	-0.78	1.09	0.14	0.25	0.98	0.29
2	115	406	1.09	-1.45	0.90	-1.26	-0.67	0.47	0.11	0.15	0.43	0.11
2	115	407	1.09	-1.09	0.92	-0.92	-0.58	0.14	7.20e-02	7.83e-02	0.13	1.96e-02
2	115	408	1.10	-0.77	0.95	-0.62	-0.51	4.53e-02	3.47e-03	4.04e-02	8.33e-03	-1.34e-02
2	115	409	1.12	-0.49	0.98	-0.35	-0.45	3.42e-02	-2.22e-02	2.79e-02	-1.59e-02	-1.78e-02
2	115	410	1.14	-0.23	1.02	-0.11	-0.39	3.27e-02	-4.93e-03	2.82e-02	-3.64e-04	-1.23e-02
2	115	411	1.15	-6.29e-02	1.04	4.19e-02	-0.34	3.42e-02	1.39e-02	3.05e-02	1.76e-02	-7.84e-03
2	115	412	1.30	-4.29	1.19	-4.18	-0.79	5.29	-1.11	-0.89	5.08	1.16
2	115	413	1.22	-3.31	1.13	-3.22	-0.63	3.68	-0.21	-9.28e-02	3.56	0.68
2	115	414	1.17	-2.58	1.10	-2.50	-0.52	2.24	9.08e-02	0.15	2.17	0.36
2	115	415	1.14	-2.01	1.08	-1.95	-0.43	1.18	0.15	0.17	1.15	0.17
2	115	416	1.13	-1.54	1.08	-1.49	-0.37	0.51	0.12	0.13	0.50	6.41e-02
2	115	417	1.13	-1.15	1.08	-1.11	-0.32	0.16	7.45e-02	7.65e-02	0.15	1.26e-02
2	115	418	1.14	-0.82	1.10	-0.78	-0.28	4.62e-02	7.66e-03	4.50e-02	8.84e-03	-6.63e-03
2	115	419	1.16	-0.52	1.12	-0.48	-0.24	3.44e-02	-2.20e-02	3.27e-02	-2.03e-02	-9.47e-03
2	115	420	1.18	-0.25	1.15	-0.21	-0.22	3.28e-02	-4.80e-03	3.16e-02	-3.63e-03	-6.54e-03
2	115	421	1.19	-6.72e-02	1.16	-3.94e-02	-0.18	3.41e-02	1.49e-02	3.32e-02	1.59e-02	-4.16e-03
2	115	422	1.32	-4.41	1.32	-4.41	-4.37e-05	5.38	-1.19	-1.19	5.38	-3.56e-06
2	115	423	1.24	-3.39	1.24	-3.39	-8.63e-06	3.76	-0.24	-0.24	3.76	1.28e-06
2	115	424	1.19	-2.64	1.19	-2.64		2.29	8.39e-02	8.39e-02	2.29	
2	115	425	1.16	-2.05	1.16	-2.05	2.91e-06	1.21	0.15	0.15	1.21	
2	115	426	1.14	-1.58	1.14	-1.58	2.71e-06	0.53	0.12	0.12	0.53	
2	115	427	1.14	-1.18	1.14	-1.18	1.93e-06	0.16	7.54e-02	7.54e-02	0.16	
2	115	428	1.15	-0.83	1.15	-0.83	1.17e-06	4.66e-02	9.15e-03	4.66e-02	9.15e-03	
2	115	429	1.17	-0.53	1.17	-0.53		3.45e-02	-2.18e-02	3.45e-02	-2.18e-02	
2	115	430	1.19	-0.25	1.19	-0.25		3.27e-02	-4.80e-03	3.27e-02	-4.80e-03	
2	115	431	1.20	-6.86e-02	1.20	-6.86e-02		3.41e-02	1.53e-02	3.41e-02	1.53e-02	
2	115	432	1.30	-4.29	1.19	-4.18	0.79	5.29	-1.11	-0.89	5.08	-1.16
2	115	433	1.22	-3.31	1.13	-3.22	0.63	3.68	-0.21	-9.28e-02	3.56	-0.68
2	115	434	1.17	-2.58	1.10	-2.50	0.52	2.24	9.08e-02	0.15	2.17	-0.36
2	115	435	1.14	-2.01	1.08	-1.95	0.43	1.18	0.15	0.17	1.15	-0.17
2	115	436	1.13	-1.54	1.08	-1.49	0.37	0.51	0.12	0.13	0.50	-6.41e-02
2	115	437	1.13	-1.15	1.08	-1.11	0.32	0.16	7.45e-02	7.65e-02	0.15	-1.26e-02
2	115	438	1.14	-0.82	1.10	-0.78	0.28	4.62e-02	7.66e-03	4.50e-02	8.84e-03	6.63e-03
2	115	439	1.16	-0.52	1.12	-0.48	0.24	3.44e-02	-2.20e-02	3.27e-02	-2.03e-02	9.47e-03
2	115	440	1.18	-0.25	1.15	-0.21	0.22	3.28e-02	-4.80e-03	3.16e-02	-3.63e-03	6.54e-03
2	115	441	1.19	-6.72e-02	1.16	-3.94e-02	0.18	3.41e-02	1.49e-02	3.32e-02	1.59e-02	4.16e-03
2	115	442	1.26	-3.95	0.86	-3.56	1.38	5.02	-0.89	-0.15	4.29	-1.95
2	115	443	1.18	-3.07	0.86	-2.75	1.12	3.44	-0.14	0.28	3.02	-1.15
2	115	444	1.13	-2.40	0.87	-2.14	0.92	2.07	0.11	0.33	1.85	-0.62
2	115	445	1.10	-1.88	0.88	-1.66	0.78	1.09	0.14	0.25	0.98	-0.29
2	115	446	1.09	-1.45	0.90	-1.26	0.67	0.47	0.11	0.15	0.43	-0.11
2	115	447	1.09	-1.09	0.92	-0.92	0.58	0.14	7.20e-02	7.83e-02	0.13	-1.96e-02
2	115	448	1.10	-0.77	0.95	-0.62	0.51	4.53e-02	3.47e-03	4.04e-02	8.33e-03	1.34e-02
2	115	449	1.12	-0.49	0.98	-0.35	0.45	3.42e-02	-2.22e-02	2.79e-02	-1.59e-02	1.78e-02
2	115	450	1.14	-0.23	1.02	-0.11	0.39	3.27e-02	-4.93e-03	2.82e-02	-3.64e-04	1.23e-02
2	115	451	1.15	-6.29e-02	1.04	4.19e-02	0.34	3.42e-02	1.39e-02	3.05e-02	1.76e-02	7.84e-03
2	115	452	1.18	-3.47	0.46	-2.75	1.68	4.59	-0.60	0.68	3.30	-2.24
2	115	453	1.11	-2.72	0.52	-2.13	1.38	3.08	-4.76e-02	0.69	2.34	-1.33
2	115	454	1.06	-2.15	0.57	-1.65	1.16	1.83	0.13	0.52	1.44	-0.72
2	115	455	1.04	-1.69	0.61	-1.26	0.99	0.95	0.14	0.32	0.77	-0.34
2	115	456	1.03	-1.31	0.65	-0.93	0.86	0.40	0.11	0.17	0.34	-0.12
2	115	457	1.03	-0.98	0.69	-0.65	0.75	0.11	6.78e-02	7.69e-02	0.11	-1.84e-02
2	115	458	1.04	-0.70	0.73	-0.40	0.66	4.36e-02	-2.63e-03	3.24e-02	8.64e-03	1.99e-02
2	115	459	1.05	-0.44	0.78	-0.17	0.58	3.38e-02	-2.26e-02	2.02e-02	-9.02e-03	2.41e-02
2	115	460	1.07	-0.21	0.82	3.90e-02	0.51	3.26e-02	-5.16e-03	2.28e-02	4.61e-03	1.65e-02
2	115	461	1.08	-5.61e-02	0.86	0.16	0.44	3.41e-02	1.21e-02	2.60e-02	2.02e-02	1.06e-02
2	115	462	1.09	-2.94	0.12	-1.97	1.72	4.01	-0.34	1.31	2.37	-2.11
2	115	463	1.02	-2.33	0.20	-1.51	1.44	2.64	3.62e-02	1.00	1.67	-1.26
2	115	464	0.98	-1.84	0.28	-1.14	1.22	1.54	0.14	0.65	1.03	-0.68
2	115	465	0.96	-1.46	0.34	-0.84	1.05	0.79	0.13	0.37	0.55	-0.31
2	115	466	0.95	-1.13	0.39	-0.58	0.92	0.33	9.71e-02	0.18	0.25	-0.11
2	115	467	0.94	-0.85	0.45	-0.36	0.80	8.61e-02	6.23e-02	6.91e-02	7.93e-02	-1.07e-02
2	115	468	0.95	-0.61	0.50	-0.15	0.71	4.12e-02	-9.74e-03	2.11e-02	1.05e-02	2.49e-02
2	115	469	0.96	-0.39	0.55	2.92e-02	0.62	3.29e-02	-2.31e-02	1.06e-02	-8.07e-04	2.74e-02

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2	115	470	0.98	-0.19	0.59	0.20	0.55	3.20e-02	-5.58e-03	1.58e-02	1.06e-02	1.86e-02
2	115	471	0.99	-4.75e-02	0.66	0.28	0.48	3.35e-02	9.72e-03	2.00e-02	2.32e-02	1.18e-02
2	115	472	0.96	-2.44	-0.13	-1.35	1.59	3.38	-0.14	1.60	1.64	-1.76
2	115	473	0.91	-1.94	-3.21e-02	-1.00	1.34	2.17	9.11e-02	1.12	1.14	-1.04
2	115	474	0.87	-1.54	4.61e-02	-0.72	1.14	1.25	0.14	0.69	0.70	-0.55
2	115	475	0.85	-1.22	0.11	-0.49	0.99	0.63	0.12	0.37	0.38	-0.25
2	115	476	0.83	-0.95	0.17	-0.29	0.86	0.25	8.69e-02	0.17	0.17	-8.27e-02
2	115	477	0.83	-0.72	0.23	-0.11	0.75	5.98e-02	5.50e-02	5.51e-02	5.97e-02	-7.70e-04
2	115	478	0.83	-0.51	0.28	4.32e-02	0.66	3.88e-02	-1.64e-02	8.45e-03	1.39e-02	2.74e-02
2	115	479	0.84	-0.32	0.33	0.19	0.58	3.18e-02	-2.37e-02	7.15e-04	7.42e-03	2.75e-02
2	115	480	0.85	-0.16	0.37	0.32	0.50	3.09e-02	-6.28e-03	8.42e-03	1.62e-02	1.82e-02
2	115	481	0.86	-4.34e-02	0.45	0.37	0.45	3.23e-02	6.99e-03	1.32e-02	2.60e-02	1.09e-02
2	115	482	0.90	-2.46	-0.39	-1.17	1.64	4.03	-0.34	2.32	1.36	-2.13
2	115	483	0.82	-1.91	-0.28	-0.81	1.34	2.65	3.22e-02	1.65	1.03	-1.27
2	115	484	0.76	-1.48	-0.18	-0.54	1.11	1.55	0.14	1.02	0.67	-0.69
2	115	485	0.73	-1.15	-0.10	-0.32	0.93	0.79	0.13	0.55	0.38	-0.32
2	115	486	0.70	-0.88	-3.39e-02	-0.15	0.79	0.33	9.50e-02	0.24	0.18	-0.11
2	115	487	0.69	-0.66	2.72e-02	6.17e-03	0.67	8.45e-02	5.97e-02	7.30e-02	7.12e-02	-1.23e-02
2	115	488	0.69	-0.46	8.31e-02	0.14	0.57	3.85e-02	-1.36e-02	2.04e-03	2.28e-02	2.39e-02
2	115	489	0.69	-0.29	0.14	0.26	0.48	2.99e-02	-2.79e-02	-1.11e-02	1.30e-02	2.63e-02
2	115	490	0.70	-0.14	0.18	0.38	0.41	2.92e-02	-9.79e-03	-2.91e-04	1.97e-02	1.67e-02
2	115	491	0.71	-4.45e-02	0.26	0.40	0.37	3.20e-02	5.50e-03	8.35e-03	2.92e-02	8.20e-03
2	115	492	0.86	-2.34	-0.60	-0.87	1.59	4.61	-0.62	3.26	0.74	-2.29
2	115	493	0.75	-1.75	-0.45	-0.55	1.25	3.10	-5.40e-02	2.32	0.73	-1.36
2	115	494	0.67	-1.34	-0.33	-0.33	1.01	1.85	0.12	1.44	0.54	-0.74
2	115	495	0.62	-1.02	-0.24	-0.16	0.82	0.96	0.14	0.77	0.33	-0.35
2	115	496	0.58	-0.77	-0.16	-2.15e-02	0.67	0.41	0.10	0.34	0.17	-0.13
2	115	497	0.56	-0.56	-9.80e-02	9.44e-02	0.55	0.11	6.50e-02	9.95e-02	7.78e-02	-2.11e-02
2	115	498	0.54	-0.39	-4.17e-02	0.20	0.45	4.00e-02	-9.75e-03	-1.62e-03	3.18e-02	1.84e-02
2	115	499	0.53	-0.24	9.05e-03	0.29	0.36	2.94e-02	-3.20e-02	-2.22e-02	1.95e-02	2.25e-02
2	115	500	0.54	-0.11	5.43e-02	0.37	0.28	2.83e-02	-1.35e-02	-8.45e-03	2.32e-02	1.37e-02
2	115	501	0.55	-3.83e-02	0.13	0.38	0.27	3.18e-02	3.48e-03	4.21e-03	3.10e-02	4.48e-03
2	115	502	0.82	-2.03	-0.66	-0.55	1.43	5.06	-0.92	4.26	-0.11	-2.04
2	115	503	0.69	-1.49	-0.48	-0.33	1.09	3.48	-0.15	3.03	0.30	-1.20
2	115	504	0.59	-1.11	-0.35	-0.17	0.85	2.11	0.10	1.87	0.34	-0.65
2	115	505	0.52	-0.83	-0.26	-5.51e-02	0.67	1.11	0.14	1.00	0.25	-0.31
2	115	506	0.46	-0.62	-0.19	3.65e-02	0.53	0.48	0.11	0.44	0.15	-0.12
2	115	507	0.42	-0.44	-0.13	0.11	0.41	0.14	6.91e-02	0.13	7.82e-02	-2.32e-02
2	115	508	0.39	-0.30	-8.55e-02	0.18	0.32	4.10e-02	-6.38e-03	-3.47e-03	3.81e-02	1.14e-02
2	115	509	0.37	-0.18	-4.48e-02	0.24	0.23	2.86e-02	-3.60e-02	-3.19e-02	2.45e-02	1.57e-02
2	115	510	0.36	-7.80e-02	-9.62e-03	0.29	0.16	2.71e-02	-1.73e-02	-1.55e-02	2.54e-02	8.67e-03
2	115	511	0.37	-3.22e-02	5.04e-02	0.29	0.16	3.09e-02	1.23e-03	1.23e-03	3.09e-02	3.43e-05
2	115	512	0.85	-1.60	-0.44	-0.31	1.22	5.35	-1.16	5.09	-0.90	-1.26
2	115	513	0.68	-1.16	-0.30	-0.18	0.92	3.74	-0.23	3.60	-9.22e-02	-0.73
2	115	514	0.55	-0.86	-0.21	-8.99e-02	0.70	2.28	8.51e-02	2.21	0.16	-0.39
2	115	515	0.46	-0.63	-0.15	-2.62e-02	0.54	1.21	0.14	1.18	0.18	-0.19
2	115	516	0.38	-0.46	-0.11	2.29e-02	0.41	0.53	0.12	0.51	0.13	-7.19e-02
2	115	517	0.31	-0.33	-7.98e-02	6.28e-02	0.31	0.15	7.18e-02	0.15	7.52e-02	-1.66e-02
2	115	518	0.25	-0.21	-5.55e-02	9.67e-02	0.22	4.15e-02	-4.51e-03	-4.18e-03	4.12e-02	3.89e-03
2	115	519	0.21	-0.12	-3.49e-02	0.13	0.14	2.77e-02	-3.96e-02	-3.90e-02	2.71e-02	6.43e-03
2	115	520	0.18	-4.36e-02	-1.79e-02	0.15	7.13e-02	2.60e-02	-2.08e-02	-2.07e-02	2.58e-02	2.16e-03
2	115	521	0.20	-3.15e-02	1.35e-02	0.15	9.04e-02	2.97e-02	-1.14e-03	-4.52e-04	2.90e-02	-4.57e-03
2	119	1	1.08	-3.06	-0.18	-1.79	-1.91	4.75	-0.76	1.96	2.03	2.76
2	119	2	1.24	-3.79	7.62e-02	-2.63	-2.12	5.46	-1.32	1.29	2.84	3.30
2	119	3	1.26	-4.18	-0.33	-2.59	-2.47	6.09	-2.37	1.79	1.93	4.23
2	119	4	1.07	-3.23	-0.53	-1.63	-2.08	5.46	-1.33	2.74	1.39	3.33
2	119	5	1.31	-4.39	-0.82	-2.26	-2.76	6.36	-3.68	2.64	3.99e-02	4.85
2	119	6	1.08	-3.19	-0.82	-1.29	-2.12	5.99	-2.05	3.78	0.15	3.59
2	119	7	1.35	-4.21	-1.26	-1.59	-2.78	6.26	-5.12	3.85	-2.72	4.65
2	119	8	1.09	-2.88	-0.95	-0.84	-1.98	6.28	-2.82	4.95	-1.48	3.22
2	119	9	1.41	-3.34	-1.12	-0.81	-2.37	5.95	-6.35	5.12	-5.52	3.09
2	119	10	1.17	-2.27	-0.69	-0.41	-1.71	6.40	-3.44	5.97	-3.00	2.02
2	119	11	1.90	-2.23	-0.10	-0.23	-2.06	5.76	-6.92	5.76	-6.92	0.26
2	119	12	1.50	-1.65	-3.64e-02	-0.11	-1.58	6.43	-3.71	6.42	-3.71	0.17
2	119	13	3.09	-1.78	0.91	0.40	-2.42	5.90	-6.57	5.28	-5.96	-2.70

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2	119	14	2.17	-1.36	0.61	0.21	-1.75	6.41	-3.54	6.09	-3.22	-1.75
2	119	15	4.03	-1.70	1.06	1.27	-2.87	6.21	-5.43	4.03	-3.26	-4.54
2	119	16	2.83	-1.30	0.86	0.67	-2.06	6.30	-2.97	5.12	-1.78	-3.09
2	119	17	4.28	-1.62	0.64	2.02	-2.87	6.36	-3.96	2.76	-0.36	-4.92
2	119	18	3.18	-1.30	0.72	1.17	-2.23	6.04	-2.21	3.94	-0.11	-3.59
2	119	19	4.12	-1.52	0.17	2.43	-2.58	6.15	-2.59	1.85	1.71	-4.37
2	119	20	3.25	-1.28	0.41	1.56	-2.19	5.55	-1.46	2.86	1.23	-3.41
2	119	21	3.78	-1.41	-0.15	2.51	-2.23	5.56	-1.46	1.33	2.76	-3.44
2	119	22	3.13	-1.24	0.15	1.75	-2.03	4.86	-0.86	2.04	1.97	-2.86
2	119	23	1.37	-4.54	0.48	-3.65	-2.11	5.97	-2.03	4.82e-02	3.89	3.51
2	119	24	1.43	-5.27	0.11	-3.95	-2.67	6.37	-3.66	-0.13	2.83	4.79
2	119	25	1.59	-5.98	-0.44	-3.94	-3.36	6.11	-5.88	-7.13e-03	0.24	5.99
2	119	26	1.82	-6.53	-1.42	-3.29	-4.07	5.14	-8.54	0.74	-4.14	6.38
2	119	27	1.82	-5.54	-1.87	-1.85	-3.68	3.81	-11.02	2.12	-9.33	4.71
2	119	28	2.38	-2.88	-0.18	-0.32	-2.63	3.06	-12.27	3.05	-12.26	0.38
2	119	29	5.18	-2.30	1.51	1.37	-3.74	3.58	-11.57	2.32	-10.31	-4.18
2	119	30	6.28	-2.25	1.09	2.94	-4.16	4.90	-9.16	0.80	-5.05	-6.39
2	119	31	5.79	-1.96	0.17	3.66	-3.45	5.98	-6.34	-5.28e-02	-0.30	-6.16
2	119	32	5.16	-1.75	-0.35	3.77	-2.77	6.35	-3.98	-0.19	2.57	-4.98
2	119	33	4.51	-1.56	-0.60	3.55	-2.22	6.05	-2.23	-1.41e-03	3.82	-3.67
2	119	34	1.48	-5.24	0.98	-4.74	-1.76	6.27	-2.76	-1.55	5.06	3.08
2	119	35	1.57	-6.35	0.78	-5.56	-2.37	6.29	-5.07	-2.86	4.08	4.50
2	119	36	1.81	-7.71	0.50	-6.40	-3.28	5.19	-8.52	-4.42	1.09	6.28
2	119	37	2.32	-9.65	-0.12	-7.21	-4.82	2.67	-13.38	-5.54	-5.17	8.03
2	119	38	3.88	-15.05	-3.56	-7.61	-9.24	-1.06	-18.18	-4.83	-14.41	7.10
2	119	39	0.23	-1.16	-0.41	-0.52	-0.70	-3.28	-21.47	-3.29	-21.46	0.40
2	119	40	14.65	-4.44	3.06	7.16	-9.32	-2.07	-20.28	-5.06	-17.29	-6.74
2	119	41	9.31	-2.71	-0.25	6.85	-4.85	1.99	-14.39	-6.01	-6.39	-8.19
2	119	42	7.45	-2.23	-0.85	6.07	-3.38	4.84	-9.16	-4.78	0.45	-6.50
2	119	43	6.19	-1.93	-1.10	5.36	-2.46	6.17	-5.48	-3.11	3.81	-4.69
2	119	44	5.18	-1.68	-1.15	4.64	-1.84	6.31	-3.02	-1.72	5.01	-3.23
2	119	45	1.54	-5.73	1.39	-5.58	-1.02	6.40	-3.34	-2.98	6.04	1.84
2	119	46	1.62	-7.13	1.39	-6.90	-1.41	6.03	-6.22	-5.53	5.33	2.84
2	119	47	1.83	-8.99	1.44	-8.60	-2.01	3.99	-10.92	-9.50	2.57	4.38
2	119	48	2.29	-11.52	1.71	-10.94	-2.77	-0.97	-18.67	-15.39	-4.25	6.88
2	119	49	6.63	-14.41	6.27	-14.04	-2.75	-10.35	-33.81	-21.89	-22.27	11.72
2	119	50	-8.33e-02	-3.39	-1.79	-1.68	-1.65	-14.23	-38.73	-14.23	-38.73	0.26
2	119	51	15.04	-5.86	-5.56	14.74	-2.47	-12.19	-34.95	-23.76	-23.38	-11.38
2	119	52	11.05	-2.78	-2.16	10.44	-2.86	-2.21	-19.74	-16.31	-5.64	-6.96
2	119	53	8.64	-2.33	-1.93	8.24	-2.07	3.38	-11.65	-10.14	1.87	-4.52
2	119	54	6.93	-2.04	-1.80	6.69	-1.46	5.81	-6.70	-5.95	5.07	-2.96
2	119	55	5.66	-1.75	-1.60	5.50	-1.06	6.41	-3.63	-3.24	6.02	-1.93
2	119	56	1.56	-5.90	1.56	-5.90	-2.45e-05	6.43	-3.56	-3.56	6.43	1.00e-06
2	119	57	1.62	-7.41	1.62	-7.41	3.83e-05	5.89	-6.67	-6.67	5.89	4.04e-06
2	119	58	1.69	-9.42	1.69	-9.42	2.74e-05	3.41	-11.87	-11.87	3.41	
2	119	59	1.07	-12.23	1.07	-12.23	1.83e-05	-2.47	-20.91	-20.91	-2.47	
2	119	60	-6.86	-15.60	-6.86	-15.60	5.62e-06	-11.69	-38.40	-38.40	-11.69	
2	119	61	2.84	2.84	2.84	2.84		-90.14	-90.14	-90.14	-90.14	
2	119	62	12.02	3.50	3.50	12.02	4.75e-06	-16.77	-39.06	-39.06	-16.77	
2	119	63	11.41	-2.10	-2.10	11.41	1.46e-05	-4.10	-22.02	-22.02	-4.10	
2	119	64	9.06	-2.32	-2.32	9.06	1.37e-05	2.70	-12.64	-12.64	2.70	
2	119	65	7.21	-2.08	-2.08	7.21	-1.36e-05	5.63	-7.17	-7.17	5.63	4.73e-06
2	119	66	5.83	-1.78	-1.78	5.83	2.99e-05	6.42	-3.86	-3.86	6.42	
2	119	67	1.54	-5.73	1.39	-5.58	1.02	6.40	-3.34	-2.98	6.04	-1.84
2	119	68	1.62	-7.13	1.39	-6.90	1.41	6.03	-6.22	-5.53	5.33	-2.84
2	119	69	1.83	-8.99	1.44	-8.60	2.01	3.99	-10.92	-9.50	2.57	-4.38
2	119	70	2.29	-11.52	1.71	-10.94	2.77	-0.97	-18.67	-15.39	-4.25	-6.88
2	119	71	6.63	-14.41	6.27	-14.04	2.75	-10.35	-33.81	-21.89	-22.27	-11.72
2	119	72	-8.33e-02	-3.39	-1.79	-1.68	1.65	-14.23	-38.73	-14.23	-38.73	-0.26
2	119	73	15.04	-5.86	-5.56	14.74	2.47	-12.19	-34.95	-23.76	-23.38	11.38
2	119	74	11.05	-2.78	-2.16	10.44	2.86	-2.21	-19.74	-16.31	-5.64	6.96
2	119	75	8.64	-2.33	-1.93	8.24	2.07	3.38	-11.65	-10.14	1.87	4.52
2	119	76	6.93	-2.04	-1.80	6.69	1.46	5.81	-6.70	-5.95	5.07	2.96
2	119	77	5.66	-1.75	-1.60	5.50	1.06	6.41	-3.63	-3.24	6.02	1.93
2	119	78	1.48	-5.24	0.98	-4.73	1.76	6.27	-2.76	-1.55	5.06	-3.08

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2	119	79	1.57	-6.35	0.78	-5.56	2.37	6.29	-5.07	-2.86	4.08	-4.50
2	119	80	1.81	-7.71	0.50	-6.40	3.28	5.19	-8.52	-4.42	1.09	-6.28
2	119	81	2.32	-9.65	-0.12	-7.21	4.82	2.67	-13.38	-5.54	-5.17	-8.03
2	119	82	3.88	-15.05	-3.56	-7.61	9.24	-1.06	-18.18	-4.83	-14.41	-7.10
2	119	83	0.23	-1.16	-0.41	-0.52	0.70	-3.28	-21.47	-3.29	-21.46	-0.40
2	119	84	14.65	-4.44	3.06	7.16	9.32	-2.07	-20.28	-5.06	-17.29	6.74
2	119	85	9.31	-2.71	-0.25	6.85	4.85	1.99	-14.39	-6.01	-6.39	8.19
2	119	86	7.45	-2.23	-0.85	6.07	3.38	4.84	-9.16	-4.78	0.45	6.50
2	119	87	6.19	-1.93	-1.10	5.36	2.46	6.17	-5.48	-3.11	3.81	4.69
2	119	88	5.18	-1.68	-1.14	4.64	1.84	6.31	-3.02	-1.72	5.01	3.23
2	119	89	1.37	-4.54	0.48	-3.65	2.11	5.97	-2.03	4.84e-02	3.89	-3.51
2	119	90	1.43	-5.27	0.11	-3.95	2.67	6.37	-3.66	-0.13	2.83	-4.79
2	119	91	1.59	-5.98	-0.44	-3.94	3.36	6.11	-5.88	-7.13e-03	0.24	-5.99
2	119	92	1.82	-6.53	-1.42	-3.29	4.07	5.14	-8.54	0.74	-4.14	-6.38
2	119	93	1.82	-5.54	-1.87	-1.85	3.68	3.81	-11.02	2.12	-9.33	-4.71
2	119	94	2.38	-2.88	-0.18	-0.32	2.63	3.06	-12.27	3.05	-12.26	-0.38
2	119	95	5.18	-2.30	1.51	1.37	3.74	3.58	-11.57	2.32	-10.31	4.18
2	119	96	6.28	-2.25	1.09	2.94	4.16	4.90	-9.16	0.80	-5.05	6.39
2	119	97	5.79	-1.96	0.17	3.66	3.45	5.98	-6.34	-5.28e-02	-0.30	6.16
2	119	98	5.16	-1.75	-0.35	3.77	2.77	6.35	-3.98	-0.19	2.57	4.98
2	119	99	4.51	-1.56	-0.60	3.55	2.22	6.05	-2.23	-1.70e-03	3.82	3.67
2	119	100	1.24	-3.79	7.53e-02	-2.63	2.12	5.46	-1.32	1.29	2.84	-3.30
2	119	101	1.26	-4.18	-0.33	-2.59	2.47	6.09	-2.37	1.79	1.93	-4.23
2	119	102	1.31	-4.39	-0.82	-2.26	2.76	6.36	-3.68	2.64	4.00e-02	-4.85
2	119	103	1.35	-4.21	-1.26	-1.59	2.78	6.26	-5.12	3.85	-2.72	-4.65
2	119	104	1.41	-3.34	-1.12	-0.81	2.37	5.95	-6.35	5.12	-5.52	-3.09
2	119	105	1.90	-2.23	-0.10	-0.23	2.06	5.76	-6.92	5.76	-6.92	-0.26
2	119	106	3.09	-1.78	0.91	0.40	2.42	5.90	-6.57	5.28	-5.96	2.70
2	119	107	4.03	-1.70	1.06	1.27	2.87	6.21	-5.43	4.03	-3.26	4.54
2	119	108	4.28	-1.62	0.64	2.02	2.87	6.36	-3.96	2.76	-0.36	4.92
2	119	109	4.12	-1.52	0.17	2.43	2.58	6.15	-2.59	1.85	1.71	4.37
2	119	110	3.78	-1.41	-0.14	2.51	2.23	5.56	-1.46	1.33	2.76	3.44
2	119	111	1.09	-3.06	-0.17	-1.80	1.91	4.75	-0.76	1.96	2.03	-2.76
2	119	112	1.07	-3.23	-0.53	-1.63	2.08	5.46	-1.33	2.74	1.39	-3.33
2	119	113	1.08	-3.19	-0.82	-1.29	2.12	5.99	-2.05	3.78	0.15	-3.59
2	119	114	1.09	-2.88	-0.95	-0.83	1.98	6.28	-2.82	4.95	-1.48	-3.22
2	119	115	1.17	-2.27	-0.69	-0.41	1.71	6.40	-3.44	5.97	-3.00	-2.02
2	119	116	1.50	-1.65	-3.64e-02	-0.11	1.58	6.43	-3.71	6.42	-3.71	-0.17
2	119	117	2.17	-1.36	0.61	0.21	1.75	6.41	-3.54	6.09	-3.22	1.75
2	119	118	2.83	-1.30	0.86	0.67	2.06	6.30	-2.97	5.12	-1.78	3.09
2	119	119	3.18	-1.30	0.72	1.17	2.23	6.04	-2.21	3.94	-0.11	3.59
2	119	120	3.25	-1.27	0.41	1.56	2.19	5.55	-1.46	2.86	1.23	3.41
2	119	121	3.14	-1.24	0.13	1.77	2.03	4.86	-0.86	2.04	1.97	2.86
2	119	122	1.06	-1.21	8.44e-05	-0.15	1.13	5.45	-1.26	5.45	-1.26	-8.73e-02
2	119	123	1.51	-1.05	0.44	2.45e-02	1.26	5.37	-1.20	5.18	-1.00	1.12
2	119	124	0.82	-0.90	1.86e-02	-9.84e-02	0.85	3.84	-0.27	3.84	-0.27	-4.48e-02
2	119	125	1.13	-0.80	0.34	-8.89e-03	0.95	3.77	-0.25	3.66	-0.13	0.66
2	119	126	0.64	-0.67	2.84e-02	-6.76e-02	0.65	2.36	7.59e-02	2.35	7.61e-02	-2.22e-02
2	119	127	0.86	-0.63	0.27	-3.77e-02	0.73	2.31	8.10e-02	2.25	0.14	0.36
2	119	128	0.49	-0.51	3.16e-02	-4.82e-02	0.50	1.25	0.14	1.25	0.14	-1.07e-02
2	119	129	0.66	-0.51	0.21	-6.47e-02	0.57	1.22	0.14	1.20	0.17	0.17
2	119	130	0.37	-0.38	2.94e-02	-3.61e-02	0.38	0.55	0.12	0.55	0.12	-5.43e-03
2	119	131	0.49	-0.42	0.17	-9.12e-02	0.44	0.53	0.12	0.52	0.13	6.32e-02
2	119	132	0.27	-0.28	2.41e-02	-2.88e-02	0.27	0.16	7.26e-02	0.16	7.28e-02	-3.60e-03
2	119	133	0.35	-0.34	0.12	-0.12	0.33	0.15	7.15e-02	0.15	7.28e-02	1.01e-02
2	119	134	0.18	-0.19	1.77e-02	-2.43e-02	0.19	4.13e-02	-5.09e-03	-4.82e-03	4.10e-02	-3.55e-03
2	119	135	0.23	-0.29	8.85e-02	-0.14	0.23	4.03e-02	-8.61e-03	-6.00e-03	3.77e-02	-1.10e-02
2	119	136	0.11	-0.12	1.17e-02	-2.14e-02	0.11	2.68e-02	-4.30e-02	-4.27e-02	2.65e-02	-4.29e-03
2	119	137	0.13	-0.24	5.65e-02	-0.17	0.15	2.58e-02	-4.60e-02	-4.27e-02	2.24e-02	-1.52e-02
2	119	138	3.63e-02	-5.07e-02	5.41e-03	-1.98e-02	4.16e-02	2.48e-02	-2.39e-02	-2.34e-02	2.42e-02	-5.17e-03
2	119	139	5.29e-02	-0.22	2.74e-02	-0.19	7.91e-02	2.37e-02	-2.65e-02	-2.32e-02	2.04e-02	-1.25e-02
2	119	140	5.79e-02	-7.56e-02	1.14e-03	-1.88e-02	6.60e-02	2.84e-02	-3.54e-03	-8.25e-04	2.57e-02	-8.91e-03
2	119	141	3.06e-02	-0.23	-1.22e-02	-0.19	9.66e-02	2.71e-02	-5.85e-03	2.44e-05	2.13e-02	-1.26e-02
2	119	142	1.99	-1.04	0.64	0.31	1.50	5.12	-0.98	4.39	-0.25	1.98
2	119	143	1.50	-0.83	0.50	0.17	1.15	3.54	-0.17	3.12	0.24	1.17

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2	119	144	1.14	-0.69	0.39	6.37e-02	0.90	2.15	9.79e-02	1.93	0.32	0.64
2	119	145	0.88	-0.59	0.30	-2.08e-02	0.72	1.13	0.14	1.03	0.25	0.30
2	119	146	0.66	-0.52	0.23	-9.37e-02	0.57	0.49	0.11	0.45	0.15	0.11
2	119	147	0.48	-0.47	0.17	-0.16	0.45	0.14	6.85e-02	0.13	7.37e-02	1.82e-02
2	119	148	0.33	-0.43	0.11	-0.22	0.34	3.85e-02	-1.49e-02	-7.41e-03	3.10e-02	-1.86e-02
2	119	149	0.20	-0.41	6.13e-02	-0.28	0.25	2.46e-02	-4.88e-02	-3.90e-02	1.48e-02	-2.50e-02
2	119	150	8.81e-02	-0.40	1.54e-02	-0.33	0.17	2.27e-02	-2.85e-02	-2.03e-02	1.45e-02	-1.88e-02
2	119	151	3.34e-02	-0.41	-5.22e-02	-0.32	0.17	2.58e-02	-7.96e-03	1.97e-03	1.59e-02	-1.54e-02
2	119	152	2.32	-1.07	0.57	0.69	1.69	4.69	-0.68	3.38	0.63	2.31
2	119	153	1.78	-0.89	0.45	0.44	1.34	3.18	-7.68e-02	2.42	0.68	1.38
2	119	154	1.38	-0.78	0.35	0.25	1.08	1.91	0.12	1.50	0.52	0.75
2	119	155	1.07	-0.70	0.27	0.10	0.88	0.99	0.14	0.81	0.33	0.35
2	119	156	0.82	-0.65	0.19	-1.98e-02	0.72	0.42	0.10	0.35	0.17	0.13
2	119	157	0.60	-0.61	0.12	-0.13	0.59	0.11	6.36e-02	0.10	7.16e-02	1.75e-02
2	119	158	0.42	-0.59	5.75e-02	-0.23	0.48	3.60e-02	-2.33e-02	-8.03e-03	2.07e-02	-2.59e-02
2	119	159	0.26	-0.58	-4.65e-04	-0.32	0.39	2.33e-02	-5.11e-02	-3.22e-02	4.37e-03	-3.24e-02
2	119	160	0.12	-0.58	-5.43e-02	-0.40	0.30	2.16e-02	-2.99e-02	-1.52e-02	6.99e-03	-2.32e-02
2	119	161	3.98e-02	-0.58	-0.14	-0.41	0.28	2.44e-02	-9.77e-03	4.71e-03	9.90e-03	-1.69e-02
2	119	162	2.46	-1.09	0.32	1.05	1.74	4.13	-0.40	2.43	1.30	2.19
2	119	163	1.94	-0.96	0.25	0.74	1.43	2.73	1.42e-02	1.73	1.02	1.31
2	119	164	1.54	-0.87	0.18	0.49	1.19	1.61	0.13	1.08	0.67	0.71
2	119	165	1.21	-0.81	0.11	0.29	1.00	0.83	0.13	0.58	0.38	0.33
2	119	166	0.93	-0.77	4.51e-02	0.12	0.85	0.34	9.51e-02	0.25	0.18	0.12
2	119	167	0.70	-0.74	-1.85e-02	-2.67e-02	0.72	7.82e-02	5.71e-02	7.26e-02	6.27e-02	9.32e-03
2	119	168	0.49	-0.73	-7.89e-02	-0.16	0.61	3.25e-02	-3.27e-02	-7.03e-03	6.87e-03	-3.18e-02
2	119	169	0.31	-0.73	-0.14	-0.28	0.51	2.15e-02	-5.29e-02	-2.34e-02	-8.05e-03	-3.64e-02
2	119	170	0.15	-0.74	-0.19	-0.40	0.43	2.03e-02	-3.07e-02	-8.84e-03	-1.61e-03	-2.52e-02
2	119	171	4.62e-02	-0.74	-0.28	-0.42	0.39	2.27e-02	-1.11e-02	7.81e-03	3.75e-03	-1.68e-02
2	119	172	2.45	-1.13	4.41e-02	1.27	1.68	3.49	-0.18	1.68	1.64	1.83
2	119	173	1.98	-1.03	-9.29e-03	0.96	1.43	2.26	7.60e-02	1.18	1.15	1.09
2	119	174	1.60	-0.96	-6.30e-02	0.70	1.23	1.31	0.14	0.73	0.72	0.59
2	119	175	1.28	-0.92	-0.12	0.48	1.06	0.66	0.12	0.39	0.39	0.27
2	119	176	1.00	-0.89	-0.18	0.28	0.92	0.26	8.36e-02	0.17	0.17	8.82e-02
2	119	177	0.76	-0.88	-0.23	0.11	0.80	5.13e-02	4.55e-02	5.07e-02	4.61e-02	-1.77e-03
2	119	178	0.54	-0.87	-0.28	-5.12e-02	0.70	2.88e-02	-4.12e-02	-3.43e-03	-8.92e-03	-3.49e-02
2	119	179	0.34	-0.88	-0.34	-0.20	0.61	1.95e-02	-5.39e-02	-1.39e-02	-2.06e-02	-3.65e-02
2	119	180	0.17	-0.89	-0.39	-0.34	0.53	1.87e-02	-3.12e-02	-2.34e-03	-1.01e-02	-2.46e-02
2	119	181	4.53e-02	-0.89	-0.46	-0.38	0.47	2.10e-02	-1.19e-02	1.10e-02	-1.80e-03	-1.52e-02
2	119	182	2.96	-1.28	-0.24	1.91	1.83	4.14	-0.40	1.36	2.38	2.21
2	119	183	2.37	-1.16	-0.27	1.48	1.53	2.75	1.03e-02	1.05	1.71	1.33
2	119	184	1.90	-1.09	-0.32	1.14	1.30	1.62	0.13	0.69	1.07	0.72
2	119	185	1.52	-1.04	-0.37	0.85	1.12	0.83	0.13	0.39	0.57	0.34
2	119	186	1.18	-1.01	-0.42	0.59	0.97	0.34	9.29e-02	0.19	0.25	0.12
2	119	187	0.89	-1.00	-0.47	0.36	0.85	7.65e-02	5.46e-02	6.48e-02	6.63e-02	1.09e-02
2	119	188	0.64	-1.00	-0.52	0.16	0.74	2.97e-02	-3.64e-02	8.66e-03	-1.54e-02	-3.08e-02
2	119	189	0.41	-1.00	-0.57	-2.99e-02	0.65	1.83e-02	-5.76e-02	-5.61e-03	-3.37e-02	-3.53e-02
2	119	190	0.20	-1.02	-0.62	-0.21	0.57	1.71e-02	-3.45e-02	2.27e-03	-1.97e-02	-2.34e-02
2	119	191	4.93e-02	-1.02	-0.68	-0.29	0.50	1.95e-02	-1.36e-02	1.29e-02	-7.01e-03	-1.32e-02
2	119	192	3.48	-1.41	-0.64	2.72	1.78	4.72	-0.69	0.69	3.34	2.36
2	119	193	2.77	-1.27	-0.63	2.13	1.47	3.21	-8.28e-02	0.72	2.41	1.41
2	119	194	2.21	-1.18	-0.64	1.67	1.24	1.93	0.12	0.54	1.50	0.77
2	119	195	1.75	-1.13	-0.66	1.29	1.06	1.01	0.14	0.34	0.81	0.36
2	119	196	1.36	-1.10	-0.69	0.96	0.91	0.43	0.10	0.18	0.35	0.13
2	119	197	1.03	-1.08	-0.73	0.67	0.79	0.11	6.10e-02	7.26e-02	9.61e-02	2.02e-02
2	119	198	0.73	-1.08	-0.77	0.41	0.69	3.21e-02	-3.01e-02	2.02e-02	-1.83e-02	-2.44e-02
2	119	199	0.47	-1.09	-0.81	0.18	0.60	1.85e-02	-6.02e-02	3.63e-03	-4.53e-02	-3.08e-02
2	119	200	0.22	-1.11	-0.85	-3.90e-02	0.53	1.67e-02	-3.75e-02	7.39e-03	-2.83e-02	-2.04e-02
2	119	201	5.79e-02	-1.12	-0.89	-0.16	0.46	1.88e-02	-1.51e-02	1.49e-02	-1.12e-02	-1.08e-02
2	119	202	3.96	-1.52	-1.10	3.54	1.46	5.16	-1.00	-0.21	4.37	2.06
2	119	203	3.11	-1.36	-1.02	2.77	1.18	3.58	-0.18	0.27	3.13	1.22
2	119	204	2.46	-1.25	-0.97	2.18	0.98	2.18	9.44e-02	0.33	1.95	0.66
2	119	205	1.94	-1.19	-0.96	1.70	0.83	1.15	0.14	0.25	1.04	0.32
2	119	206	1.51	-1.16	-0.96	1.30	0.71	0.50	0.11	0.15	0.46	0.12
2	119	207	1.13	-1.15	-0.97	0.95	0.61	0.13	6.59e-02	7.37e-02	0.13	2.18e-02
2	119	208	0.80	-1.15	-0.99	0.65	0.53	3.39e-02	-2.44e-02	2.87e-02	-1.92e-02	-1.66e-02

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2	119	209	0.51	-1.16	-1.02	0.37	0.47	1.85e-02	-6.21e-02	1.14e-02	-5.50e-02	-2.29e-02
2	119	210	0.25	-1.18	-1.05	0.12	0.41	1.62e-02	-3.99e-02	1.17e-02	-3.55e-02	-1.51e-02
2	119	211	6.49e-02	-1.18	-1.07	-4.36e-02	0.35	1.81e-02	-1.61e-02	1.63e-02	-1.44e-02	-7.57e-03
2	119	212	4.29	-1.59	-1.47	4.17	0.83	5.43	-1.24	-1.01	5.19	1.22
2	119	213	3.34	-1.41	-1.32	3.25	0.66	3.83	-0.27	-0.13	3.70	0.72
2	119	214	2.63	-1.30	-1.23	2.56	0.55	2.36	7.57e-02	0.14	2.29	0.39
2	119	215	2.07	-1.24	-1.17	2.00	0.46	1.25	0.14	0.18	1.22	0.19
2	119	216	1.60	-1.20	-1.15	1.55	0.39	0.55	0.11	0.13	0.53	7.10e-02
2	119	217	1.20	-1.19	-1.14	1.15	0.34	0.15	6.91e-02	7.15e-02	0.15	1.41e-02
2	119	218	0.85	-1.19	-1.15	0.81	0.29	3.51e-02	-2.03e-02	3.38e-02	-1.90e-02	-8.24e-03
2	119	219	0.54	-1.20	-1.16	0.50	0.25	1.86e-02	-6.32e-02	1.67e-02	-6.14e-02	-1.22e-02
2	119	220	0.26	-1.22	-1.19	0.22	0.22	1.58e-02	-4.14e-02	1.47e-02	-4.02e-02	-8.08e-03
2	119	221	6.94e-02	-1.22	-1.19	4.06e-02	0.19	1.76e-02	-1.68e-02	1.71e-02	-1.63e-02	-3.90e-03
2	119	222	4.41	-1.62	-1.62	4.41	-5.56e-05	5.52	-1.33	-1.33	5.52	-4.26e-06
2	119	223	3.43	-1.43	-1.43	3.43	-3.54e-06	3.92	-0.30	-0.30	3.92	1.72e-06
2	119	224	2.69	-1.32	-1.32	2.69	6.26e-06	2.42	6.83e-02	6.83e-02	2.42	
2	119	225	2.11	-1.25	-1.25	2.11	6.26e-06	1.29	0.14	0.14	1.29	
2	119	226	1.63	-1.22	-1.22	1.63	3.46e-06	0.56	0.12	0.12	0.56	
2	119	227	1.22	-1.20	-1.20	1.22	1.35e-06	0.16	7.02e-02	7.02e-02	0.16	
2	119	228	0.87	-1.20	-1.20	0.87		3.55e-02	-1.88e-02	3.55e-02	-1.88e-02	
2	119	229	0.55	-1.21	-1.21	0.55		1.86e-02	-6.35e-02	1.86e-02	-6.35e-02	
2	119	230	0.26	-1.23	-1.23	0.26		1.57e-02	-4.19e-02	1.57e-02	-4.19e-02	
2	119	231	7.09e-02	-1.24	-1.24	7.09e-02		1.74e-02	-1.70e-02	1.74e-02	-1.70e-02	
2	119	232	4.29	-1.59	-1.47	4.17	-0.83	5.43	-1.24	-1.01	5.19	-1.22
2	119	233	3.34	-1.41	-1.32	3.25	-0.66	3.83	-0.27	-0.13	3.70	-0.72
2	119	234	2.63	-1.30	-1.23	2.56	-0.55	2.36	7.57e-02	0.14	2.29	-0.39
2	119	235	2.07	-1.24	-1.17	2.00	-0.46	1.25	0.14	0.18	1.22	-0.19
2	119	236	1.60	-1.20	-1.15	1.55	-0.39	0.55	0.11	0.13	0.53	-7.10e-02
2	119	237	1.20	-1.19	-1.14	1.15	-0.34	0.15	6.91e-02	7.15e-02	0.15	-1.41e-02
2	119	238	0.85	-1.19	-1.15	0.81	-0.29	3.51e-02	-2.03e-02	3.38e-02	-1.90e-02	8.24e-03
2	119	239	0.54	-1.20	-1.16	0.50	-0.25	1.86e-02	-6.32e-02	1.67e-02	-6.14e-02	1.22e-02
2	119	240	0.26	-1.22	-1.19	0.22	-0.22	1.58e-02	-4.14e-02	1.47e-02	-4.02e-02	8.08e-03
2	119	241	6.94e-02	-1.22	-1.19	4.06e-02	-0.19	1.76e-02	-1.68e-02	1.71e-02	-1.63e-02	3.90e-03
2	119	242	3.96	-1.52	-1.10	3.54	-1.46	5.16	-1.00	-0.21	4.37	-2.06
2	119	243	3.11	-1.36	-1.02	2.77	-1.18	3.58	-0.18	0.27	3.13	-1.22
2	119	244	2.46	-1.25	-0.97	2.18	-0.98	2.18	9.44e-02	0.33	1.95	-0.66
2	119	245	1.94	-1.19	-0.96	1.70	-0.83	1.15	0.14	0.25	1.04	-0.32
2	119	246	1.51	-1.16	-0.96	1.30	-0.71	0.50	0.11	0.15	0.46	-0.12
2	119	247	1.13	-1.15	-0.97	0.95	-0.61	0.13	6.59e-02	7.37e-02	0.13	-2.18e-02
2	119	248	0.80	-1.15	-0.99	0.64	-0.53	3.39e-02	-2.44e-02	2.87e-02	-1.92e-02	1.66e-02
2	119	249	0.51	-1.16	-1.02	0.37	-0.47	1.85e-02	-6.21e-02	1.14e-02	-5.50e-02	2.29e-02
2	119	250	0.25	-1.18	-1.05	0.12	-0.41	1.62e-02	-3.99e-02	1.17e-02	-3.55e-02	1.51e-02
2	119	251	6.49e-02	-1.18	-1.07	-4.36e-02	-0.35	1.81e-02	-1.61e-02	1.63e-02	-1.44e-02	7.57e-03
2	119	252	3.48	-1.41	-0.64	2.71	-1.78	4.72	-0.69	0.69	3.34	-2.36
2	119	253	2.77	-1.27	-0.63	2.13	-1.47	3.21	-8.29e-02	0.72	2.41	-1.41
2	119	254	2.21	-1.18	-0.64	1.67	-1.24	1.93	0.12	0.54	1.50	-0.77
2	119	255	1.75	-1.13	-0.66	1.29	-1.06	1.01	0.14	0.34	0.81	-0.36
2	119	256	1.36	-1.10	-0.69	0.96	-0.91	0.43	0.10	0.18	0.35	-0.13
2	119	257	1.03	-1.08	-0.73	0.67	-0.79	0.11	6.10e-02	7.26e-02	9.61e-02	-2.02e-02
2	119	258	0.73	-1.08	-0.77	0.41	-0.69	3.21e-02	-3.01e-02	2.02e-02	-1.83e-02	2.44e-02
2	119	259	0.47	-1.09	-0.81	0.18	-0.60	1.85e-02	-6.02e-02	3.63e-03	-4.53e-02	3.08e-02
2	119	260	0.22	-1.11	-0.85	-3.91e-02	-0.53	1.67e-02	-3.75e-02	7.39e-03	-2.83e-02	2.04e-02
2	119	261	5.79e-02	-1.12	-0.89	-0.16	-0.46	1.88e-02	-1.51e-02	1.49e-02	-1.12e-02	1.08e-02
2	119	262	2.95	-1.28	-0.24	1.91	-1.82	4.14	-0.40	1.36	2.38	-2.21
2	119	263	2.36	-1.16	-0.27	1.48	-1.53	2.75	1.02e-02	1.05	1.71	-1.33
2	119	264	1.90	-1.09	-0.32	1.14	-1.30	1.62	0.13	0.69	1.07	-0.72
2	119	265	1.52	-1.04	-0.37	0.84	-1.12	0.83	0.13	0.39	0.57	-0.34
2	119	266	1.18	-1.01	-0.42	0.59	-0.97	0.34	9.29e-02	0.19	0.25	-0.12
2	119	267	0.89	-1.00	-0.47	0.36	-0.85	7.65e-02	5.46e-02	6.48e-02	6.63e-02	-1.09e-02
2	119	268	0.64	-1.00	-0.52	0.16	-0.74	2.97e-02	-3.64e-02	8.66e-03	-1.54e-02	3.08e-02
2	119	269	0.41	-1.00	-0.57	-2.99e-02	-0.65	1.83e-02	-5.76e-02	-5.61e-03	-3.37e-02	3.53e-02
2	119	270	0.20	-1.02	-0.62	-0.21	-0.57	1.71e-02	-3.45e-02	2.27e-03	-1.97e-02	2.34e-02
2	119	271	4.93e-02	-1.02	-0.68	-0.29	-0.50	1.95e-02	-1.36e-02	1.29e-02	-7.01e-03	1.32e-02
2	119	272	2.45	-1.13	4.32e-02	1.28	-1.68	3.49	-0.18	1.68	1.64	-1.83
2	119	273	1.98	-1.03	-9.05e-03	0.96	-1.43	2.26	7.60e-02	1.18	1.15	-1.09

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2	119	274	1.60	-0.96	-6.31e-02	0.70	-1.23	1.31	0.14	0.73	0.72	-0.59
2	119	275	1.28	-0.92	-0.12	0.48	-1.06	0.66	0.12	0.39	0.39	-0.27
2	119	276	1.00	-0.89	-0.18	0.28	-0.92	0.26	8.36e-02	0.17	0.17	-8.82e-02
2	119	277	0.76	-0.88	-0.23	0.11	-0.80	5.13e-02	4.55e-02	5.07e-02	4.61e-02	1.77e-03
2	119	278	0.54	-0.87	-0.28	-5.12e-02	-0.70	2.88e-02	-4.12e-02	-3.43e-03	-8.92e-03	3.49e-02
2	119	279	0.34	-0.88	-0.34	-0.20	-0.61	1.95e-02	-5.39e-02	-1.39e-02	-2.06e-02	3.65e-02
2	119	280	0.17	-0.89	-0.39	-0.34	-0.53	1.87e-02	-3.12e-02	-2.34e-03	-1.01e-02	2.46e-02
2	119	281	4.53e-02	-0.89	-0.46	-0.38	-0.47	2.10e-02	-1.19e-02	1.10e-02	-1.80e-03	1.52e-02
2	119	282	2.47	-1.09	0.33	1.05	-1.74	4.13	-0.39	2.43	1.30	-2.19
2	119	283	1.94	-0.95	0.25	0.74	-1.43	2.73	1.43e-02	1.73	1.02	-1.31
2	119	284	1.54	-0.87	0.18	0.49	-1.19	1.61	0.13	1.08	0.67	-0.71
2	119	285	1.21	-0.81	0.11	0.29	-1.00	0.83	0.13	0.58	0.38	-0.33
2	119	286	0.93	-0.77	4.53e-02	0.12	-0.85	0.34	9.51e-02	0.25	0.18	-0.12
2	119	287	0.70	-0.74	-1.84e-02	-2.66e-02	-0.72	7.82e-02	5.71e-02	7.26e-02	6.27e-02	-9.32e-03
2	119	288	0.49	-0.73	-7.89e-02	-0.16	-0.61	3.25e-02	-3.27e-02	-7.03e-03	6.87e-03	3.18e-02
2	119	289	0.31	-0.73	-0.14	-0.28	-0.51	2.15e-02	-5.29e-02	-2.34e-02	-8.05e-03	3.64e-02
2	119	290	0.15	-0.74	-0.19	-0.40	-0.43	2.03e-02	-3.07e-02	-8.84e-03	-1.61e-03	2.52e-02
2	119	291	4.62e-02	-0.74	-0.28	-0.42	-0.39	2.27e-02	-1.11e-02	7.81e-03	3.75e-03	1.68e-02
2	119	292	2.32	-1.06	0.57	0.69	-1.69	4.69	-0.68	3.38	0.63	-2.31
2	119	293	1.78	-0.89	0.45	0.44	-1.34	3.18	-7.67e-02	2.42	0.68	-1.38
2	119	294	1.38	-0.78	0.35	0.25	-1.08	1.91	0.12	1.50	0.52	-0.75
2	119	295	1.07	-0.70	0.27	0.10	-0.88	0.99	0.14	0.81	0.33	-0.35
2	119	296	0.82	-0.65	0.19	-1.98e-02	-0.72	0.42	0.10	0.35	0.17	-0.13
2	119	297	0.60	-0.61	0.12	-0.13	-0.59	0.11	6.36e-02	0.10	7.16e-02	-1.75e-02
2	119	298	0.42	-0.59	5.76e-02	-0.23	-0.48	3.60e-02	-2.33e-02	-8.03e-03	2.07e-02	2.59e-02
2	119	299	0.26	-0.58	-4.59e-04	-0.32	-0.39	2.33e-02	-5.11e-02	-3.22e-02	4.37e-03	3.24e-02
2	119	300	0.12	-0.58	-5.44e-02	-0.40	-0.30	2.16e-02	-2.99e-02	-1.52e-02	6.99e-03	2.32e-02
2	119	301	3.98e-02	-0.58	-0.14	-0.41	-0.28	2.44e-02	-9.77e-03	4.71e-03	9.90e-03	1.69e-02
2	119	302	1.99	-1.04	0.64	0.31	-1.50	5.12	-0.98	4.39	-0.25	-1.98
2	119	303	1.50	-0.83	0.50	0.17	-1.15	3.54	-0.17	3.12	0.24	-1.17
2	119	304	1.15	-0.69	0.39	6.39e-02	-0.90	2.15	9.79e-02	1.93	0.32	-0.64
2	119	305	0.88	-0.59	0.30	-2.08e-02	-0.72	1.13	0.14	1.03	0.25	-0.30
2	119	306	0.66	-0.52	0.23	-9.37e-02	-0.57	0.49	0.11	0.45	0.15	-0.11
2	119	307	0.48	-0.47	0.17	-0.16	-0.45	0.14	6.85e-02	0.13	7.37e-02	-1.82e-02
2	119	308	0.33	-0.43	0.11	-0.22	-0.34	3.85e-02	-1.49e-02	-7.41e-03	3.10e-02	1.86e-02
2	119	309	0.20	-0.41	6.13e-02	-0.28	-0.25	2.46e-02	-4.88e-02	-3.90e-02	1.48e-02	2.50e-02
2	119	310	8.81e-02	-0.40	1.54e-02	-0.33	-0.17	2.27e-02	-2.85e-02	-2.03e-02	1.45e-02	1.88e-02
2	119	311	3.34e-02	-0.41	-5.22e-02	-0.32	-0.17	2.58e-02	-7.96e-03	1.97e-03	1.59e-02	1.54e-02
2	119	312	1.51	-1.05	0.44	2.44e-02	-1.26	5.38	-1.20	5.18	-1.00	-1.12
2	119	313	1.13	-0.80	0.34	-8.85e-03	-0.95	3.77	-0.25	3.66	-0.13	-0.66
2	119	314	0.86	-0.63	0.27	-3.77e-02	-0.73	2.31	8.10e-02	2.25	0.14	-0.36
2	119	315	0.66	-0.51	0.21	-6.47e-02	-0.57	1.22	0.14	1.20	0.17	-0.17
2	119	316	0.49	-0.42	0.17	-9.12e-02	-0.44	0.53	0.12	0.52	0.13	-6.32e-02
2	119	317	0.35	-0.34	0.12	-0.12	-0.33	0.15	7.15e-02	0.15	7.28e-02	-1.01e-02
2	119	318	0.23	-0.29	8.85e-02	-0.14	-0.23	4.03e-02	-8.61e-03	-6.00e-03	3.77e-02	1.10e-02
2	119	319	0.13	-0.24	5.65e-02	-0.17	-0.15	2.58e-02	-4.60e-02	-4.27e-02	2.24e-02	1.52e-02
2	119	320	5.29e-02	-0.22	2.74e-02	-0.19	-7.91e-02	2.37e-02	-2.65e-02	-2.32e-02	2.04e-02	1.25e-02
2	119	321	3.06e-02	-0.23	-1.22e-02	-0.19	-9.66e-02	2.71e-02	-5.85e-03	2.44e-05	2.13e-02	1.26e-02
2	119	322	1.06	-1.21	1.37e-04	-0.15	-1.13	5.45	-1.26	5.45	-1.26	8.73e-02
2	119	323	0.82	-0.90	1.86e-02	-9.83e-02	-0.85	3.84	-0.27	3.84	-0.27	4.48e-02
2	119	324	0.64	-0.67	2.84e-02	-6.76e-02	-0.65	2.36	7.59e-02	2.35	7.61e-02	2.22e-02
2	119	325	0.49	-0.51	3.16e-02	-4.82e-02	-0.50	1.25	0.14	1.25	0.14	1.07e-02
2	119	326	0.37	-0.38	2.94e-02	-3.61e-02	-0.38	0.55	0.12	0.55	0.12	5.43e-03
2	119	327	0.27	-0.28	2.41e-02	-2.88e-02	-0.27	0.16	7.26e-02	0.16	7.28e-02	3.60e-03
2	119	328	0.18	-0.19	1.77e-02	-2.43e-02	-0.19	4.13e-02	-5.09e-03	-4.82e-03	4.10e-02	3.55e-03
2	119	329	0.11	-0.12	1.17e-02	-2.14e-02	-0.11	2.68e-02	-4.30e-02	-4.27e-02	2.65e-02	4.29e-03
2	119	330	3.63e-02	-5.07e-02	5.42e-03	-1.98e-02	-4.16e-02	2.48e-02	-2.39e-02	-2.34e-02	2.42e-02	5.17e-03
2	119	331	5.79e-02	-7.56e-02	1.12e-03	-1.88e-02	-6.60e-02	2.84e-02	-3.54e-03	-8.26e-04	2.57e-02	8.91e-03
2	119	332	0.85	-1.60	-0.44	-0.31	-1.22	5.35	-1.16	5.09	-0.90	1.26
2	119	333	0.68	-1.16	-0.30	-0.18	-0.92	3.74	-0.23	3.60	-9.22e-02	0.73
2	119	334	0.55	-0.86	-0.21	-8.99e-02	-0.70	2.28	8.51e-02	2.21	0.16	0.39
2	119	335	0.46	-0.63	-0.15	-2.62e-02	-0.54	1.21	0.14	1.18	0.18	0.19
2	119	336	0.38	-0.46	-0.11	2.29e-02	-0.41	0.53	0.12	0.51	0.13	7.19e-02
2	119	337	0.31	-0.33	-7.98e-02	6.28e-02	-0.31	0.15	7.18e-02	0.15	7.52e-02	1.66e-02
2	119	338	0.25	-0.21	-5.55e-02	9.67e-02	-0.22	4.15e-02	-4.51e-03	-4.18e-03	4.12e-02	-3.89e-03

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2	119	339	0.21	-0.12	-3.49e-02	0.13	-0.14	2.77e-02	-3.96e-02	-3.90e-02	2.71e-02	-6.43e-03
2	119	340	0.18	-4.36e-02	-1.79e-02	0.15	-7.13e-02	2.60e-02	-2.08e-02	-2.07e-02	2.58e-02	-2.16e-03
2	119	341	0.20	-3.15e-02	1.35e-02	0.15	-9.04e-02	2.97e-02	-1.14e-03	-4.52e-04	2.90e-02	4.57e-03
2	119	342	0.82	-2.03	-0.66	-0.55	-1.43	5.06	-0.92	4.26	-0.11	2.04
2	119	343	0.69	-1.49	-0.48	-0.33	-1.09	3.48	-0.15	3.03	0.30	1.20
2	119	344	0.59	-1.11	-0.35	-0.17	-0.85	2.11	0.10	1.87	0.34	0.65
2	119	345	0.52	-0.83	-0.26	-5.50e-02	-0.67	1.11	0.14	1.00	0.25	0.31
2	119	346	0.46	-0.62	-0.19	3.65e-02	-0.53	0.48	0.11	0.44	0.15	0.12
2	119	347	0.42	-0.44	-0.13	0.11	-0.41	0.14	6.91e-02	0.13	7.82e-02	2.32e-02
2	119	348	0.39	-0.30	-8.55e-02	0.18	-0.32	4.10e-02	-6.38e-03	-3.47e-03	3.81e-02	-1.14e-02
2	119	349	0.37	-0.18	-4.48e-02	0.24	-0.23	2.86e-02	-3.60e-02	-3.19e-02	2.45e-02	-1.57e-02
2	119	350	0.36	-7.80e-02	-9.63e-03	0.29	-0.16	2.71e-02	-1.73e-02	-1.55e-02	2.54e-02	-8.67e-03
2	119	351	0.37	-3.22e-02	5.05e-02	0.29	-0.16	3.09e-02	1.23e-03	1.23e-03	3.09e-02	-3.43e-05
2	119	352	0.86	-2.34	-0.61	-0.87	-1.59	4.61	-0.62	3.25	0.74	2.29
2	119	353	0.75	-1.75	-0.45	-0.55	-1.25	3.10	-5.40e-02	2.32	0.73	1.36
2	119	354	0.67	-1.34	-0.33	-0.33	-1.01	1.85	0.12	1.44	0.54	0.74
2	119	355	0.62	-1.02	-0.24	-0.16	-0.82	0.96	0.14	0.77	0.33	0.35
2	119	356	0.58	-0.77	-0.16	-2.15e-02	-0.67	0.41	0.10	0.34	0.17	0.13
2	119	357	0.56	-0.56	-9.79e-02	9.44e-02	-0.55	0.11	6.50e-02	9.95e-02	7.78e-02	2.11e-02
2	119	358	0.54	-0.39	-4.17e-02	0.20	-0.45	4.00e-02	-9.75e-03	-1.62e-03	3.18e-02	-1.84e-02
2	119	359	0.53	-0.24	9.05e-03	0.29	-0.36	2.94e-02	-3.20e-02	-2.22e-02	1.95e-02	-2.25e-02
2	119	360	0.54	-0.11	5.43e-02	0.37	-0.28	2.83e-02	-1.35e-02	-8.45e-03	2.32e-02	-1.37e-02
2	119	361	0.55	-3.82e-02	0.13	0.38	-0.27	3.18e-02	3.48e-03	4.21e-03	3.10e-02	-4.48e-03
2	119	362	0.90	-2.46	-0.39	-1.17	-1.64	4.03	-0.34	2.32	1.36	2.13
2	119	363	0.82	-1.91	-0.28	-0.81	-1.34	2.65	3.22e-02	1.65	1.03	1.27
2	119	364	0.76	-1.48	-0.18	-0.54	-1.11	1.55	0.14	1.02	0.67	0.69
2	119	365	0.73	-1.15	-0.10	-0.32	-0.93	0.79	0.13	0.55	0.38	0.32
2	119	366	0.70	-0.88	-3.38e-02	-0.15	-0.79	0.33	9.50e-02	0.24	0.18	0.11
2	119	367	0.69	-0.66	2.73e-02	6.22e-03	-0.67	8.45e-02	5.97e-02	7.30e-02	7.12e-02	1.23e-02
2	119	368	0.69	-0.46	8.31e-02	0.14	-0.57	3.85e-02	-1.36e-02	2.04e-03	2.28e-02	-2.39e-02
2	119	369	0.69	-0.29	0.14	0.26	-0.48	2.99e-02	-2.79e-02	-1.11e-02	1.30e-02	-2.63e-02
2	119	370	0.70	-0.14	0.18	0.38	-0.41	2.92e-02	-9.79e-03	-2.91e-04	1.97e-02	-1.67e-02
2	119	371	0.71	-4.45e-02	0.26	0.40	-0.37	3.20e-02	5.50e-03	8.35e-03	2.92e-02	-8.20e-03
2	119	372	0.97	-2.44	-0.12	-1.36	-1.59	3.38	-0.14	1.60	1.64	1.76
2	119	373	0.91	-1.94	-3.03e-02	-1.00	-1.34	2.17	9.11e-02	1.12	1.14	1.04
2	119	374	0.87	-1.54	4.68e-02	-0.72	-1.14	1.25	0.14	0.69	0.70	0.55
2	119	375	0.85	-1.22	0.11	-0.49	-0.99	0.63	0.12	0.37	0.38	0.25
2	119	376	0.83	-0.95	0.17	-0.29	-0.86	0.25	8.69e-02	0.17	0.17	8.27e-02
2	119	377	0.83	-0.72	0.23	-0.11	-0.75	5.98e-02	5.50e-02	5.51e-02	5.97e-02	7.70e-04
2	119	378	0.83	-0.51	0.28	4.32e-02	-0.66	3.88e-02	-1.64e-02	8.45e-03	1.39e-02	-2.74e-02
2	119	379	0.84	-0.32	0.33	0.19	-0.58	3.18e-02	-2.37e-02	7.15e-04	7.42e-03	-2.75e-02
2	119	380	0.85	-0.16	0.37	0.32	-0.50	3.09e-02	-6.28e-03	8.42e-03	1.62e-02	-1.82e-02
2	119	381	0.86	-4.34e-02	0.45	0.37	-0.45	3.23e-02	6.99e-03	1.32e-02	2.60e-02	-1.09e-02
2	119	382	1.08	-2.94	0.12	-1.97	-1.72	4.01	-0.34	1.31	2.37	2.11
2	119	383	1.03	-2.33	0.21	-1.51	-1.44	2.64	3.63e-02	1.00	1.67	1.26
2	119	384	0.98	-1.84	0.28	-1.14	-1.22	1.55	0.14	0.65	1.03	0.68
2	119	385	0.96	-1.46	0.34	-0.84	-1.05	0.79	0.13	0.37	0.55	0.31
2	119	386	0.95	-1.13	0.39	-0.58	-0.92	0.33	9.72e-02	0.18	0.25	0.11
2	119	387	0.94	-0.85	0.45	-0.36	-0.80	8.61e-02	6.23e-02	6.91e-02	7.93e-02	1.07e-02
2	119	388	0.95	-0.61	0.50	-0.15	-0.71	4.12e-02	-9.74e-03	2.11e-02	1.05e-02	-2.49e-02
2	119	389	0.96	-0.39	0.55	2.92e-02	-0.62	3.29e-02	-2.31e-02	1.06e-02	-8.06e-04	-2.74e-02
2	119	390	0.98	-0.19	0.59	0.20	-0.55	3.20e-02	-5.58e-03	1.58e-02	1.06e-02	-1.86e-02
2	119	391	0.99	-4.75e-02	0.66	0.28	-0.48	3.35e-02	9.72e-03	2.00e-02	2.32e-02	-1.18e-02
2	119	392	1.18	-3.47	0.46	-2.75	-1.68	4.59	-0.60	0.68	3.30	2.24
2	119	393	1.11	-2.72	0.52	-2.13	-1.38	3.08	-4.76e-02	0.69	2.34	1.33
2	119	394	1.06	-2.15	0.57	-1.65	-1.16	1.83	0.13	0.52	1.44	0.72
2	119	395	1.04	-1.69	0.61	-1.26	-0.99	0.95	0.14	0.32	0.77	0.34
2	119	396	1.03	-1.31	0.65	-0.93	-0.86	0.40	0.11	0.17	0.34	0.12
2	119	397	1.03	-0.98	0.69	-0.65	-0.75	0.11	6.78e-02	7.69e-02	0.11	1.84e-02
2	119	398	1.04	-0.70	0.73	-0.40	-0.66	4.36e-02	-2.63e-03	3.24e-02	8.64e-03	-1.99e-02
2	119	399	1.05	-0.44	0.78	-0.17	-0.58	3.38e-02	-2.26e-02	2.02e-02	-9.02e-03	-2.41e-02
2	119	400	1.07	-0.21	0.82	3.90e-02	-0.51	3.26e-02	-5.16e-03	2.28e-02	4.61e-03	-1.65e-02
2	119	401	1.08	-5.61e-02	0.86	0.16	-0.44	3.41e-02	1.21e-02	2.60e-02	2.02e-02	-1.06e-02
2	119	402	1.25	-3.95	0.86	-3.56	-1.38	5.02	-0.89	-0.15	4.29	1.95
2	119	403	1.18	-3.07	0.86	-2.75	-1.12	3.44	-0.14	0.28	3.02	1.15

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2	119	404	1.13	-2.40	0.87	-2.14	-0.92	2.07	0.11	0.33	1.85	0.62
2	119	405	1.10	-1.88	0.88	-1.66	-0.78	1.09	0.14	0.25	0.98	0.29
2	119	406	1.09	-1.45	0.90	-1.26	-0.67	0.47	0.11	0.15	0.43	0.11
2	119	407	1.09	-1.09	0.92	-0.92	-0.58	0.14	7.20e-02	7.83e-02	0.13	1.96e-02
2	119	408	1.10	-0.77	0.95	-0.62	-0.51	4.53e-02	3.47e-03	4.04e-02	8.33e-03	-1.34e-02
2	119	409	1.12	-0.49	0.98	-0.35	-0.45	3.42e-02	-2.22e-02	2.79e-02	-1.59e-02	-1.78e-02
2	119	410	1.14	-0.23	1.02	-0.11	-0.39	3.27e-02	-4.93e-03	2.82e-02	-3.64e-04	-1.23e-02
2	119	411	1.15	-6.29e-02	1.04	4.19e-02	-0.34	3.42e-02	1.39e-02	3.05e-02	1.76e-02	-7.84e-03
2	119	412	1.30	-4.29	1.19	-4.18	-0.79	5.29	-1.11	-0.89	5.08	1.16
2	119	413	1.22	-3.31	1.13	-3.22	-0.63	3.68	-0.21	-9.28e-02	3.56	0.68
2	119	414	1.17	-2.58	1.10	-2.50	-0.52	2.24	9.08e-02	0.15	2.17	0.36
2	119	415	1.14	-2.01	1.08	-1.95	-0.43	1.18	0.15	0.17	1.15	0.17
2	119	416	1.13	-1.54	1.08	-1.49	-0.37	0.51	0.12	0.13	0.50	6.41e-02
2	119	417	1.13	-1.15	1.08	-1.11	-0.32	0.16	7.45e-02	7.65e-02	0.15	1.26e-02
2	119	418	1.14	-0.82	1.10	-0.78	-0.28	4.62e-02	7.66e-03	4.50e-02	8.84e-03	-6.63e-03
2	119	419	1.16	-0.52	1.12	-0.48	-0.24	3.44e-02	-2.20e-02	3.27e-02	-2.03e-02	-9.47e-03
2	119	420	1.18	-0.25	1.15	-0.21	-0.22	3.28e-02	-4.80e-03	3.16e-02	-3.63e-03	-6.54e-03
2	119	421	1.19	-6.72e-02	1.16	-3.94e-02	-0.18	3.41e-02	1.49e-02	3.32e-02	1.59e-02	-4.16e-03
2	119	422	1.32	-4.41	1.32	-4.41	-4.37e-05	5.38	-1.19	-1.19	5.38	-3.56e-06
2	119	423	1.24	-3.39	1.24	-3.39	-8.63e-06	3.76	-0.24	-0.24	3.76	1.28e-06
2	119	424	1.19	-2.64	1.19	-2.64		2.29	8.39e-02	8.39e-02	2.29	
2	119	425	1.16	-2.05	1.16	-2.05	2.91e-06	1.21	0.15	0.15	1.21	
2	119	426	1.14	-1.58	1.14	-1.58	2.71e-06	0.53	0.12	0.12	0.53	
2	119	427	1.14	-1.18	1.14	-1.18	1.93e-06	0.16	7.54e-02	7.54e-02	0.16	
2	119	428	1.15	-0.83	1.15	-0.83	1.17e-06	4.66e-02	9.15e-03	4.66e-02	9.15e-03	
2	119	429	1.17	-0.53	1.17	-0.53		3.45e-02	-2.18e-02	3.45e-02	-2.18e-02	
2	119	430	1.19	-0.25	1.19	-0.25		3.27e-02	-4.80e-03	3.27e-02	-4.80e-03	
2	119	431	1.20	-6.86e-02	1.20	-6.86e-02		3.41e-02	1.53e-02	3.41e-02	1.53e-02	
2	119	432	1.30	-4.29	1.19	-4.18	0.79	5.29	-1.11	-0.89	5.08	-1.16
2	119	433	1.22	-3.31	1.13	-3.22	0.63	3.68	-0.21	-9.28e-02	3.56	-0.68
2	119	434	1.17	-2.58	1.10	-2.50	0.52	2.24	9.08e-02	0.15	2.17	-0.36
2	119	435	1.14	-2.01	1.08	-1.95	0.43	1.18	0.15	0.17	1.15	-0.17
2	119	436	1.13	-1.54	1.08	-1.49	0.37	0.51	0.12	0.13	0.50	-6.41e-02
2	119	437	1.13	-1.15	1.08	-1.11	0.32	0.16	7.45e-02	7.65e-02	0.15	-1.26e-02
2	119	438	1.14	-0.82	1.10	-0.78	0.28	4.62e-02	7.66e-03	4.50e-02	8.84e-03	6.63e-03
2	119	439	1.16	-0.52	1.12	-0.48	0.24	3.44e-02	-2.20e-02	3.27e-02	-2.03e-02	9.47e-03
2	119	440	1.18	-0.25	1.15	-0.21	0.22	3.28e-02	-4.80e-03	3.16e-02	-3.63e-03	6.54e-03
2	119	441	1.19	-6.72e-02	1.16	-3.94e-02	0.18	3.41e-02	1.49e-02	3.32e-02	1.59e-02	4.16e-03
2	119	442	1.26	-3.95	0.86	-3.56	1.38	5.02	-0.89	-0.15	4.29	-1.95
2	119	443	1.18	-3.07	0.86	-2.75	1.12	3.44	-0.14	0.28	3.02	-1.15
2	119	444	1.13	-2.40	0.87	-2.14	0.92	2.07	0.11	0.33	1.85	-0.62
2	119	445	1.10	-1.88	0.88	-1.66	0.78	1.09	0.14	0.25	0.98	-0.29
2	119	446	1.09	-1.45	0.90	-1.26	0.67	0.47	0.11	0.15	0.43	-0.11
2	119	447	1.09	-1.09	0.92	-0.92	0.58	0.14	7.20e-02	7.83e-02	0.13	-1.96e-02
2	119	448	1.10	-0.77	0.95	-0.62	0.51	4.53e-02	3.47e-03	4.04e-02	8.33e-03	1.34e-02
2	119	449	1.12	-0.49	0.98	-0.35	0.45	3.42e-02	-2.22e-02	2.79e-02	-1.59e-02	1.78e-02
2	119	450	1.14	-0.23	1.02	-0.11	0.39	3.27e-02	-4.93e-03	2.82e-02	-3.64e-04	1.23e-02
2	119	451	1.15	-6.29e-02	1.04	4.19e-02	0.34	3.42e-02	1.39e-02	3.05e-02	1.76e-02	7.84e-03
2	119	452	1.18	-3.47	0.46	-2.75	1.68	4.59	-0.60	0.68	3.30	-2.24
2	119	453	1.11	-2.72	0.52	-2.13	1.38	3.08	-4.76e-02	0.69	2.34	-1.33
2	119	454	1.06	-2.15	0.57	-1.65	1.16	1.83	0.13	0.52	1.44	-0.72
2	119	455	1.04	-1.69	0.61	-1.26	0.99	0.95	0.14	0.32	0.77	-0.34
2	119	456	1.03	-1.31	0.65	-0.93	0.86	0.40	0.11	0.17	0.34	-0.12
2	119	457	1.03	-0.98	0.69	-0.65	0.75	0.11	6.78e-02	7.69e-02	0.11	-1.84e-02
2	119	458	1.04	-0.70	0.73	-0.40	0.66	4.36e-02	-2.63e-03	3.24e-02	8.64e-03	1.99e-02
2	119	459	1.05	-0.44	0.78	-0.17	0.58	3.38e-02	-2.26e-02	2.02e-02	-9.02e-03	2.41e-02
2	119	460	1.07	-0.21	0.82	3.90e-02	0.51	3.26e-02	-5.16e-03	2.28e-02	4.61e-03	1.65e-02
2	119	461	1.08	-5.61e-02	0.86	0.16	0.44	3.41e-02	1.21e-02	2.60e-02	2.02e-02	1.06e-02
2	119	462	1.09	-2.94	0.12	-1.97	1.72	4.01	-0.34	1.31	2.37	-2.11
2	119	463	1.02	-2.33	0.20	-1.51	1.44	2.64	3.62e-02	1.00	1.67	-1.26
2	119	464	0.98	-1.84	0.28	-1.14	1.22	1.54	0.14	0.65	1.03	-0.68
2	119	465	0.96	-1.46	0.34	-0.84	1.05	0.79	0.13	0.37	0.55	-0.31
2	119	466	0.95	-1.13	0.39	-0.58	0.92	0.33	9.71e-02	0.18	0.25	-0.11
2	119	467	0.94	-0.85	0.45	-0.36	0.80	8.61e-02	6.23e-02	6.91e-02	7.93e-02	-1.07e-02
2	119	468	0.95	-0.61	0.50	-0.15	0.71	4.12e-02	-9.74e-03	2.11e-02	1.05e-02	2.49e-02

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2	119	469	0.96	-0.39	0.55	2.92e-02	0.62	3.29e-02	-2.31e-02	1.06e-02	-8.07e-04	2.74e-02
2	119	470	0.98	-0.19	0.59	0.20	0.55	3.20e-02	-5.58e-03	1.58e-02	1.06e-02	1.86e-02
2	119	471	0.99	-4.75e-02	0.66	0.28	0.48	3.35e-02	9.72e-03	2.00e-02	2.32e-02	1.18e-02
2	119	472	0.96	-2.44	-0.13	-1.35	1.59	3.38	-0.14	1.60	1.64	-1.76
2	119	473	0.91	-1.94	-3.21e-02	-1.00	1.34	2.17	9.11e-02	1.12	1.14	-1.04
2	119	474	0.87	-1.54	4.61e-02	-0.72	1.14	1.25	0.14	0.69	0.70	-0.55
2	119	475	0.85	-1.22	0.11	-0.49	0.99	0.63	0.12	0.37	0.38	-0.25
2	119	476	0.83	-0.95	0.17	-0.29	0.86	0.25	8.69e-02	0.17	0.17	-8.27e-02
2	119	477	0.83	-0.72	0.23	-0.11	0.75	5.98e-02	5.50e-02	5.51e-02	5.97e-02	-7.70e-04
2	119	478	0.83	-0.51	0.28	4.32e-02	0.66	3.88e-02	-1.64e-02	8.45e-03	1.39e-02	2.74e-02
2	119	479	0.84	-0.32	0.33	0.19	0.58	3.18e-02	-2.37e-02	7.15e-04	7.42e-03	2.75e-02
2	119	480	0.85	-0.16	0.37	0.32	0.50	3.09e-02	-6.28e-03	8.42e-03	1.62e-02	1.82e-02
2	119	481	0.86	-4.34e-02	0.45	0.37	0.45	3.23e-02	6.99e-03	1.32e-02	2.60e-02	1.09e-02
2	119	482	0.90	-2.46	-0.39	-1.17	1.64	4.03	-0.34	2.32	1.36	-2.13
2	119	483	0.82	-1.91	-0.28	-0.81	1.34	2.65	3.22e-02	1.65	1.03	-1.27
2	119	484	0.76	-1.48	-0.18	-0.54	1.11	1.55	0.14	1.02	0.67	-0.69
2	119	485	0.73	-1.15	-0.10	-0.32	0.93	0.79	0.13	0.55	0.38	-0.32
2	119	486	0.70	-0.88	-3.39e-02	-0.15	0.79	0.33	9.50e-02	0.24	0.18	-0.11
2	119	487	0.69	-0.66	2.72e-02	6.17e-03	0.67	8.45e-02	5.97e-02	7.30e-02	7.12e-02	-1.23e-02
2	119	488	0.69	-0.46	8.31e-02	0.14	0.57	3.85e-02	-1.36e-02	2.04e-03	2.28e-02	2.39e-02
2	119	489	0.69	-0.29	0.14	0.26	0.48	2.99e-02	-2.79e-02	-1.11e-02	1.30e-02	2.63e-02
2	119	490	0.70	-0.14	0.18	0.38	0.41	2.92e-02	-9.79e-03	-2.91e-04	1.97e-02	1.67e-02
2	119	491	0.71	-4.45e-02	0.26	0.40	0.37	3.20e-02	5.50e-03	8.35e-03	2.92e-02	8.20e-03
2	119	492	0.86	-2.34	-0.60	-0.87	1.59	4.61	-0.62	3.26	0.74	-2.29
2	119	493	0.75	-1.75	-0.45	-0.55	1.25	3.10	-5.40e-02	2.32	0.73	-1.36
2	119	494	0.67	-1.34	-0.33	-0.33	1.01	1.85	0.12	1.44	0.54	-0.74
2	119	495	0.62	-1.02	-0.24	-0.16	0.82	0.96	0.14	0.77	0.33	-0.35
2	119	496	0.58	-0.77	-0.16	-2.15e-02	0.67	0.41	0.10	0.34	0.17	-0.13
2	119	497	0.56	-0.56	-9.80e-02	9.44e-02	0.55	0.11	6.50e-02	9.95e-02	7.78e-02	-2.11e-02
2	119	498	0.54	-0.39	-4.17e-02	0.20	0.45	4.00e-02	-9.75e-03	-1.62e-03	3.18e-02	1.84e-02
2	119	499	0.53	-0.24	9.05e-03	0.29	0.36	2.94e-02	-3.20e-02	-2.22e-02	1.95e-02	2.25e-02
2	119	500	0.54	-0.11	5.43e-02	0.37	0.28	2.83e-02	-1.35e-02	-8.45e-03	2.32e-02	1.37e-02
2	119	501	0.55	-3.83e-02	0.13	0.38	0.27	3.18e-02	3.48e-03	4.21e-03	3.10e-02	4.48e-03
2	119	502	0.82	-2.03	-0.66	-0.55	1.43	5.06	-0.92	4.26	-0.11	-2.04
2	119	503	0.69	-1.49	-0.48	-0.33	1.09	3.48	-0.15	3.03	0.30	-1.20
2	119	504	0.59	-1.11	-0.35	-0.17	0.85	2.11	0.10	1.87	0.34	-0.65
2	119	505	0.52	-0.83	-0.26	-5.51e-02	0.67	1.11	0.14	1.00	0.25	-0.31
2	119	506	0.46	-0.62	-0.19	3.65e-02	0.53	0.48	0.11	0.44	0.15	-0.12
2	119	507	0.42	-0.44	-0.13	0.11	0.41	0.14	6.91e-02	0.13	7.82e-02	-2.32e-02
2	119	508	0.39	-0.30	-8.55e-02	0.18	0.32	4.10e-02	-6.38e-03	-3.47e-03	3.81e-02	1.14e-02
2	119	509	0.37	-0.18	-4.48e-02	0.24	0.23	2.86e-02	-3.60e-02	-3.19e-02	2.45e-02	1.57e-02
2	119	510	0.36	-7.80e-02	-9.62e-03	0.29	0.16	2.71e-02	-1.73e-02	-1.55e-02	2.54e-02	8.67e-03
2	119	511	0.37	-3.22e-02	5.04e-02	0.29	0.16	3.09e-02	1.23e-03	1.23e-03	3.09e-02	3.43e-05
2	119	512	0.85	-1.60	-0.44	-0.31	1.22	5.35	-1.16	5.09	-0.90	-1.26
2	119	513	0.68	-1.16	-0.30	-0.18	0.92	3.74	-0.23	3.60	-9.22e-02	-0.73
2	119	514	0.55	-0.86	-0.21	-8.99e-02	0.70	2.28	8.51e-02	2.21	0.16	-0.39
2	119	515	0.46	-0.63	-0.15	-2.62e-02	0.54	1.21	0.14	1.18	0.18	-0.19
2	119	516	0.38	-0.46	-0.11	2.29e-02	0.41	0.53	0.12	0.51	0.13	-7.19e-02
2	119	517	0.31	-0.33	-7.98e-02	6.28e-02	0.31	0.15	7.18e-02	0.15	7.52e-02	-1.66e-02
2	119	518	0.25	-0.21	-5.55e-02	9.67e-02	0.22	4.15e-02	-4.51e-03	-4.18e-03	4.12e-02	3.89e-03
2	119	519	0.21	-0.12	-3.49e-02	0.13	0.14	2.77e-02	-3.96e-02	-3.90e-02	2.71e-02	6.43e-03
2	119	520	0.18	-4.36e-02	-1.79e-02	0.15	7.13e-02	2.60e-02	-2.08e-02	-2.07e-02	2.58e-02	2.16e-03
2	119	521	0.20	-3.15e-02	1.35e-02	0.15	9.04e-02	2.97e-02	-1.14e-03	-4.52e-04	2.90e-02	-4.57e-03
2	123	1	1.08	-3.06	-0.18	-1.79	-1.91	4.75	-0.76	1.96	2.03	2.76
2	123	2	1.24	-3.79	7.62e-02	-2.63	-2.12	5.46	-1.32	1.29	2.84	3.30
2	123	3	1.26	-4.18	-0.33	-2.59	-2.47	6.09	-2.37	1.79	1.93	4.23
2	123	4	1.07	-3.23	-0.53	-1.63	-2.08	5.46	-1.33	2.74	1.39	3.33
2	123	5	1.31	-4.39	-0.82	-2.26	-2.76	6.36	-3.68	2.64	3.99e-02	4.85
2	123	6	1.08	-3.19	-0.82	-1.29	-2.12	5.99	-2.05	3.78	0.15	3.59
2	123	7	1.35	-4.21	-1.26	-1.59	-2.78	6.26	-5.12	3.85	-2.72	4.65
2	123	8	1.09	-2.88	-0.95	-0.84	-1.98	6.28	-2.82	4.95	-1.48	3.22
2	123	9	1.41	-3.34	-1.12	-0.81	-2.37	5.95	-6.35	5.12	-5.52	3.09
2	123	10	1.17	-2.27	-0.69	-0.41	-1.71	6.40	-3.44	5.97	-3.00	2.02
2	123	11	1.90	-2.23	-0.10	-0.23	-2.06	5.76	-6.92	5.76	-6.92	0.26
2	123	12	1.50	-1.65	-3.64e-02	-0.11	-1.58	6.43	-3.71	6.42	-3.71	0.17

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2	123	13	3.09	-1.78	0.91	0.40	-2.42	5.90	-6.57	5.28	-5.96	-2.70
2	123	14	2.17	-1.36	0.61	0.21	-1.75	6.41	-3.54	6.09	-3.22	-1.75
2	123	15	4.03	-1.70	1.06	1.27	-2.87	6.21	-5.43	4.03	-3.26	-4.54
2	123	16	2.83	-1.30	0.86	0.67	-2.06	6.30	-2.97	5.12	-1.78	-3.09
2	123	17	4.28	-1.62	0.64	2.02	-2.87	6.36	-3.96	2.76	-0.36	-4.92
2	123	18	3.18	-1.30	0.72	1.17	-2.23	6.04	-2.21	3.94	-0.11	-3.59
2	123	19	4.12	-1.52	0.17	2.43	-2.58	6.15	-2.59	1.85	1.71	-4.37
2	123	20	3.25	-1.28	0.41	1.56	-2.19	5.55	-1.46	2.86	1.23	-3.41
2	123	21	3.78	-1.41	-0.15	2.51	-2.23	5.56	-1.46	1.33	2.76	-3.44
2	123	22	3.13	-1.24	0.15	1.75	-2.03	4.86	-0.86	2.04	1.97	-2.86
2	123	23	1.37	-4.54	0.48	-3.65	-2.11	5.97	-2.03	4.82e-02	3.89	3.51
2	123	24	1.43	-5.27	0.11	-3.95	-2.67	6.37	-3.66	-0.13	2.83	4.79
2	123	25	1.59	-5.98	-0.44	-3.94	-3.36	6.11	-5.88	-7.13e-03	0.24	5.99
2	123	26	1.82	-6.53	-1.42	-3.29	-4.07	5.14	-8.54	0.74	-4.14	6.38
2	123	27	1.82	-5.54	-1.87	-1.85	-3.68	3.81	-11.02	2.12	-9.33	4.71
2	123	28	2.38	-2.88	-0.18	-0.32	-2.63	3.06	-12.27	3.05	-12.26	0.38
2	123	29	5.18	-2.30	1.51	1.37	-3.74	3.58	-11.57	2.32	-10.31	-4.18
2	123	30	6.28	-2.25	1.09	2.94	-4.16	4.90	-9.16	0.80	-5.05	-6.39
2	123	31	5.79	-1.96	0.17	3.66	-3.45	5.98	-6.34	-5.28e-02	-0.30	-6.16
2	123	32	5.16	-1.75	-0.35	3.77	-2.77	6.35	-3.98	-0.19	2.57	-4.98
2	123	33	4.51	-1.56	-0.60	3.55	-2.22	6.05	-2.23	-1.41e-03	3.82	-3.67
2	123	34	1.48	-5.24	0.98	-4.74	-1.76	6.27	-2.76	-1.55	5.06	3.08
2	123	35	1.57	-6.35	0.78	-5.56	-2.37	6.29	-5.07	-2.86	4.08	4.50
2	123	36	1.81	-7.71	0.50	-6.40	-3.28	5.19	-8.52	-4.42	1.09	6.28
2	123	37	2.32	-9.65	-0.12	-7.21	-4.82	2.67	-13.38	-5.54	-5.17	8.03
2	123	38	3.88	-15.05	-3.56	-7.61	-9.24	-1.06	-18.18	-4.83	-14.41	7.10
2	123	39	0.23	-1.16	-0.41	-0.52	-0.70	-3.28	-21.47	-3.29	-21.46	0.40
2	123	40	14.65	-4.44	3.06	7.16	-9.32	-2.07	-20.28	-5.06	-17.29	-6.74
2	123	41	9.31	-2.71	-0.25	6.85	-4.85	1.99	-14.39	-6.01	-6.39	-8.19
2	123	42	7.45	-2.23	-0.85	6.07	-3.38	4.84	-9.16	-4.78	0.45	-6.50
2	123	43	6.19	-1.93	-1.10	5.36	-2.46	6.17	-5.48	-3.11	3.81	-4.69
2	123	44	5.18	-1.68	-1.15	4.64	-1.84	6.31	-3.02	-1.72	5.01	-3.23
2	123	45	1.54	-5.73	1.39	-5.58	-1.02	6.40	-3.34	-2.98	6.04	1.84
2	123	46	1.62	-7.13	1.39	-6.90	-1.41	6.03	-6.22	-5.53	5.33	2.84
2	123	47	1.83	-8.99	1.44	-8.60	-2.01	3.99	-10.92	-9.50	2.57	4.38
2	123	48	2.29	-11.52	1.71	-10.94	-2.77	-0.97	-18.67	-15.39	-4.25	6.88
2	123	49	6.63	-14.41	6.27	-14.04	-2.75	-10.35	-33.81	-21.89	-22.27	11.72
2	123	50	-8.33e-02	-3.39	-1.79	-1.68	-1.65	-14.23	-38.73	-14.23	-38.73	0.26
2	123	51	15.04	-5.86	-5.56	14.74	-2.47	-12.19	-34.95	-23.76	-23.38	-11.38
2	123	52	11.05	-2.78	-2.16	10.44	-2.86	-2.21	-19.74	-16.31	-5.64	-6.96
2	123	53	8.64	-2.33	-1.93	8.24	-2.07	3.38	-11.65	-10.14	1.87	-4.52
2	123	54	6.93	-2.04	-1.80	6.69	-1.46	5.81	-6.70	-5.95	5.07	-2.96
2	123	55	5.66	-1.75	-1.60	5.50	-1.06	6.41	-3.63	-3.24	6.02	-1.93
2	123	56	1.56	-5.90	1.56	-5.90	-2.45e-05	6.43	-3.56	-3.56	6.43	1.00e-06
2	123	57	1.62	-7.41	1.62	-7.41	3.83e-05	5.89	-6.67	-6.67	5.89	4.04e-06
2	123	58	1.69	-9.42	1.69	-9.42	2.74e-05	3.41	-11.87	-11.87	3.41	
2	123	59	1.07	-12.23	1.07	-12.23	1.83e-05	-2.47	-20.91	-20.91	-2.47	
2	123	60	-6.86	-15.60	-6.86	-15.60	5.62e-06	-11.69	-38.40	-38.40	-11.69	
2	123	61	2.84	2.84	2.84	2.84		-90.14	-90.14	-90.14	-90.14	
2	123	62	12.02	3.50	3.50	12.02	4.75e-06	-16.77	-39.06	-39.06	-16.77	
2	123	63	11.41	-2.10	-2.10	11.41	1.46e-05	-4.10	-22.02	-22.02	-4.10	
2	123	64	9.06	-2.32	-2.32	9.06	1.37e-05	2.70	-12.64	-12.64	2.70	
2	123	65	7.21	-2.08	-2.08	7.21	-1.36e-05	5.63	-7.17	-7.17	5.63	4.73e-06
2	123	66	5.83	-1.78	-1.78	5.83	2.99e-05	6.42	-3.86	-3.86	6.42	
2	123	67	1.54	-5.73	1.39	-5.58	1.02	6.40	-3.34	-2.98	6.04	-1.84
2	123	68	1.62	-7.13	1.39	-6.90	1.41	6.03	-6.22	-5.53	5.33	-2.84
2	123	69	1.83	-8.99	1.44	-8.60	2.01	3.99	-10.92	-9.50	2.57	-4.38
2	123	70	2.29	-11.52	1.71	-10.94	2.77	-0.97	-18.67	-15.39	-4.25	-6.88
2	123	71	6.63	-14.41	6.27	-14.04	2.75	-10.35	-33.81	-21.89	-22.27	-11.72
2	123	72	-8.33e-02	-3.39	-1.79	-1.68	1.65	-14.23	-38.73	-14.23	-38.73	-0.26
2	123	73	15.04	-5.86	-5.56	14.74	2.47	-12.19	-34.95	-23.76	-23.38	11.38
2	123	74	11.05	-2.78	-2.16	10.44	2.86	-2.21	-19.74	-16.31	-5.64	6.96
2	123	75	8.64	-2.33	-1.93	8.24	2.07	3.38	-11.65	-10.14	1.87	4.52
2	123	76	6.93	-2.04	-1.80	6.69	1.46	5.81	-6.70	-5.95	5.07	2.96
2	123	77	5.66	-1.75	-1.60	5.50	1.06	6.41	-3.63	-3.24	6.02	1.93

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2	123	78	1.48	-5.24	0.98	-4.73	1.76	6.27	-2.76	-1.55	5.06	-3.08
2	123	79	1.57	-6.35	0.78	-5.56	2.37	6.29	-5.07	-2.86	4.08	-4.50
2	123	80	1.81	-7.71	0.50	-6.40	3.28	5.19	-8.52	-4.42	1.09	-6.28
2	123	81	2.32	-9.65	-0.12	-7.21	4.82	2.67	-13.38	-5.54	-5.17	-8.03
2	123	82	3.88	-15.05	-3.56	-7.61	9.24	-1.06	-18.18	-4.83	-14.41	-7.10
2	123	83	0.23	-1.16	-0.41	-0.52	0.70	-3.28	-21.47	-3.29	-21.46	-0.40
2	123	84	14.65	-4.44	3.06	7.16	9.32	-2.07	-20.28	-5.06	-17.29	6.74
2	123	85	9.31	-2.71	-0.25	6.85	4.85	1.99	-14.39	-6.01	-6.39	8.19
2	123	86	7.45	-2.23	-0.85	6.07	3.38	4.84	-9.16	-4.78	0.45	6.50
2	123	87	6.19	-1.93	-1.10	5.36	2.46	6.17	-5.48	-3.11	3.81	4.69
2	123	88	5.18	-1.68	-1.14	4.64	1.84	6.31	-3.02	-1.72	5.01	3.23
2	123	89	1.37	-4.54	0.48	-3.65	2.11	5.97	-2.03	4.84e-02	3.89	-3.51
2	123	90	1.43	-5.27	0.11	-3.95	2.67	6.37	-3.66	-0.13	2.83	-4.79
2	123	91	1.59	-5.98	-0.44	-3.94	3.36	6.11	-5.88	-7.13e-03	0.24	-5.99
2	123	92	1.82	-6.53	-1.42	-3.29	4.07	5.14	-8.54	0.74	-4.14	-6.38
2	123	93	1.82	-5.54	-1.87	-1.85	3.68	3.81	-11.02	2.12	-9.33	-4.71
2	123	94	2.38	-2.88	-0.18	-0.32	2.63	3.06	-12.27	3.05	-12.26	-0.38
2	123	95	5.18	-2.30	1.51	1.37	3.74	3.58	-11.57	2.32	-10.31	4.18
2	123	96	6.28	-2.25	1.09	2.94	4.16	4.90	-9.16	0.80	-5.05	6.39
2	123	97	5.79	-1.96	0.17	3.66	3.45	5.98	-6.34	-5.28e-02	-0.30	6.16
2	123	98	5.16	-1.75	-0.35	3.77	2.77	6.35	-3.98	-0.19	2.57	4.98
2	123	99	4.51	-1.56	-0.60	3.55	2.22	6.05	-2.23	-1.70e-03	3.82	3.67
2	123	100	1.24	-3.79	7.53e-02	-2.63	2.12	5.46	-1.32	1.29	2.84	-3.30
2	123	101	1.26	-4.18	-0.33	-2.59	2.47	6.09	-2.37	1.79	1.93	-4.23
2	123	102	1.31	-4.39	-0.82	-2.26	2.76	6.36	-3.68	2.64	4.00e-02	-4.85
2	123	103	1.35	-4.21	-1.26	-1.59	2.78	6.26	-5.12	3.85	-2.72	-4.65
2	123	104	1.41	-3.34	-1.12	-0.81	2.37	5.95	-6.35	5.12	-5.52	-3.09
2	123	105	1.90	-2.23	-0.10	-0.23	2.06	5.76	-6.92	5.76	-6.92	-0.26
2	123	106	3.09	-1.78	0.91	0.40	2.42	5.90	-6.57	5.28	-5.96	2.70
2	123	107	4.03	-1.70	1.06	1.27	2.87	6.21	-5.43	4.03	-3.26	4.54
2	123	108	4.28	-1.62	0.64	2.02	2.87	6.36	-3.96	2.76	-0.36	4.92
2	123	109	4.12	-1.52	0.17	2.43	2.58	6.15	-2.59	1.85	1.71	4.37
2	123	110	3.78	-1.41	-0.14	2.51	2.23	5.56	-1.46	1.33	2.76	3.44
2	123	111	1.09	-3.06	-0.17	-1.80	1.91	4.75	-0.76	1.96	2.03	-2.76
2	123	112	1.07	-3.23	-0.53	-1.63	2.08	5.46	-1.33	2.74	1.39	-3.33
2	123	113	1.08	-3.19	-0.82	-1.29	2.12	5.99	-2.05	3.78	0.15	-3.59
2	123	114	1.09	-2.88	-0.95	-0.83	1.98	6.28	-2.82	4.95	-1.48	-3.22
2	123	115	1.17	-2.27	-0.69	-0.41	1.71	6.40	-3.44	5.97	-3.00	-2.02
2	123	116	1.50	-1.65	-3.64e-02	-0.11	1.58	6.43	-3.71	6.42	-3.71	-0.17
2	123	117	2.17	-1.36	0.61	0.21	1.75	6.41	-3.54	6.09	-3.22	1.75
2	123	118	2.83	-1.30	0.86	0.67	2.06	6.30	-2.97	5.12	-1.78	3.09
2	123	119	3.18	-1.30	0.72	1.17	2.23	6.04	-2.21	3.94	-0.11	3.59
2	123	120	3.25	-1.27	0.41	1.56	2.19	5.55	-1.46	2.86	1.23	3.41
2	123	121	3.14	-1.24	0.13	1.77	2.03	4.86	-0.86	2.04	1.97	2.86
2	123	122	1.06	-1.21	8.44e-05	-0.15	1.13	5.45	-1.26	5.45	-1.26	-8.73e-02
2	123	123	1.51	-1.05	0.44	2.45e-02	1.26	5.37	-1.20	5.18	-1.00	1.12
2	123	124	0.82	-0.90	1.86e-02	-9.84e-02	0.85	3.84	-0.27	3.84	-0.27	-4.48e-02
2	123	125	1.13	-0.80	0.34	-8.89e-03	0.95	3.77	-0.25	3.66	-0.13	0.66
2	123	126	0.64	-0.67	2.84e-02	-6.76e-02	0.65	2.36	7.59e-02	2.35	7.61e-02	-2.22e-02
2	123	127	0.86	-0.63	0.27	-3.77e-02	0.73	2.31	8.10e-02	2.25	0.14	0.36
2	123	128	0.49	-0.51	3.16e-02	-4.82e-02	0.50	1.25	0.14	1.25	0.14	-1.07e-02
2	123	129	0.66	-0.51	0.21	-6.47e-02	0.57	1.22	0.14	1.20	0.17	0.17
2	123	130	0.37	-0.38	2.94e-02	-3.61e-02	0.38	0.55	0.12	0.55	0.12	-5.43e-03
2	123	131	0.49	-0.42	0.17	-9.12e-02	0.44	0.53	0.12	0.52	0.13	6.32e-02
2	123	132	0.27	-0.28	2.41e-02	-2.88e-02	0.27	0.16	7.26e-02	0.16	7.28e-02	-3.60e-03
2	123	133	0.35	-0.34	0.12	-0.12	0.33	0.15	7.15e-02	0.15	7.28e-02	1.01e-02
2	123	134	0.18	-0.19	1.77e-02	-2.43e-02	0.19	4.13e-02	-5.09e-03	-4.82e-03	4.10e-02	-3.55e-03
2	123	135	0.23	-0.29	8.85e-02	-0.14	0.23	4.03e-02	-8.61e-03	-6.00e-03	3.77e-02	-1.10e-02
2	123	136	0.11	-0.12	1.17e-02	-2.14e-02	0.11	2.68e-02	-4.30e-02	-4.27e-02	2.65e-02	-4.29e-03
2	123	137	0.13	-0.24	5.65e-02	-0.17	0.15	2.58e-02	-4.60e-02	-4.27e-02	2.24e-02	-1.52e-02
2	123	138	3.63e-02	-5.07e-02	5.41e-03	-1.98e-02	4.16e-02	2.48e-02	-2.39e-02	-2.34e-02	2.42e-02	-5.17e-03
2	123	139	5.29e-02	-0.22	2.74e-02	-0.19	7.91e-02	2.37e-02	-2.65e-02	-2.32e-02	2.04e-02	-1.25e-02
2	123	140	5.79e-02	-7.56e-02	1.14e-03	-1.88e-02	6.60e-02	2.84e-02	-3.54e-03	-8.25e-04	2.57e-02	-8.91e-03
2	123	141	3.06e-02	-0.23	-1.22e-02	-0.19	9.66e-02	2.71e-02	-5.85e-03	2.44e-05	2.13e-02	-1.26e-02
2	123	142	1.99	-1.04	0.64	0.31	1.50	5.12	-0.98	4.39	-0.25	1.98

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2	123	143	1.50	-0.83	0.50	0.17	1.15	3.54	-0.17	3.12	0.24	1.17
2	123	144	1.14	-0.69	0.39	6.37e-02	0.90	2.15	9.79e-02	1.93	0.32	0.64
2	123	145	0.88	-0.59	0.30	-2.08e-02	0.72	1.13	0.14	1.03	0.25	0.30
2	123	146	0.66	-0.52	0.23	-9.37e-02	0.57	0.49	0.11	0.45	0.15	0.11
2	123	147	0.48	-0.47	0.17	-0.16	0.45	0.14	6.85e-02	0.13	7.37e-02	1.82e-02
2	123	148	0.33	-0.43	0.11	-0.22	0.34	3.85e-02	-1.49e-02	-7.41e-03	3.10e-02	-1.86e-02
2	123	149	0.20	-0.41	6.13e-02	-0.28	0.25	2.46e-02	-4.88e-02	-3.90e-02	1.48e-02	-2.50e-02
2	123	150	8.81e-02	-0.40	1.54e-02	-0.33	0.17	2.27e-02	-2.85e-02	-2.03e-02	1.45e-02	-1.88e-02
2	123	151	3.34e-02	-0.41	-5.22e-02	-0.32	0.17	2.58e-02	-7.96e-03	1.97e-03	1.59e-02	-1.54e-02
2	123	152	2.32	-1.07	0.57	0.69	1.69	4.69	-0.68	3.38	0.63	2.31
2	123	153	1.78	-0.89	0.45	0.44	1.34	3.18	-7.68e-02	2.42	0.68	1.38
2	123	154	1.38	-0.78	0.35	0.25	1.08	1.91	0.12	1.50	0.52	0.75
2	123	155	1.07	-0.70	0.27	0.10	0.88	0.99	0.14	0.81	0.33	0.35
2	123	156	0.82	-0.65	0.19	-1.98e-02	0.72	0.42	0.10	0.35	0.17	0.13
2	123	157	0.60	-0.61	0.12	-0.13	0.59	0.11	6.36e-02	0.10	7.16e-02	1.75e-02
2	123	158	0.42	-0.59	5.75e-02	-0.23	0.48	3.60e-02	-2.33e-02	-8.03e-03	2.07e-02	-2.59e-02
2	123	159	0.26	-0.58	-4.65e-04	-0.32	0.39	2.33e-02	-5.11e-02	-3.22e-02	4.37e-03	-3.24e-02
2	123	160	0.12	-0.58	-5.43e-02	-0.40	0.30	2.16e-02	-2.99e-02	-1.52e-02	6.99e-03	-2.32e-02
2	123	161	3.98e-02	-0.58	-0.14	-0.41	0.28	2.44e-02	-9.77e-03	4.71e-03	9.90e-03	-1.69e-02
2	123	162	2.46	-1.09	0.32	1.05	1.74	4.13	-0.40	2.43	1.30	2.19
2	123	163	1.94	-0.96	0.25	0.74	1.43	2.73	1.42e-02	1.73	1.02	1.31
2	123	164	1.54	-0.87	0.18	0.49	1.19	1.61	0.13	1.08	0.67	0.71
2	123	165	1.21	-0.81	0.11	0.29	1.00	0.83	0.13	0.58	0.38	0.33
2	123	166	0.93	-0.77	4.51e-02	0.12	0.85	0.34	9.51e-02	0.25	0.18	0.12
2	123	167	0.70	-0.74	-1.85e-02	-2.67e-02	0.72	7.82e-02	5.71e-02	7.26e-02	6.27e-02	9.32e-03
2	123	168	0.49	-0.73	-7.89e-02	-0.16	0.61	3.25e-02	-3.27e-02	-7.03e-03	6.87e-03	-3.18e-02
2	123	169	0.31	-0.73	-0.14	-0.28	0.51	2.15e-02	-5.29e-02	-2.34e-02	-8.05e-03	-3.64e-02
2	123	170	0.15	-0.74	-0.19	-0.40	0.43	2.03e-02	-3.07e-02	-8.84e-03	-1.61e-03	-2.52e-02
2	123	171	4.62e-02	-0.74	-0.28	-0.42	0.39	2.27e-02	-1.11e-02	7.81e-03	3.75e-03	-1.68e-02
2	123	172	2.45	-1.13	4.41e-02	1.27	1.68	3.49	-0.18	1.68	1.64	1.83
2	123	173	1.98	-1.03	-9.29e-03	0.96	1.43	2.26	7.60e-02	1.18	1.15	1.09
2	123	174	1.60	-0.96	-6.30e-02	0.70	1.23	1.31	0.14	0.73	0.72	0.59
2	123	175	1.28	-0.92	-0.12	0.48	1.06	0.66	0.12	0.39	0.39	0.27
2	123	176	1.00	-0.89	-0.18	0.28	0.92	0.26	8.36e-02	0.17	0.17	8.82e-02
2	123	177	0.76	-0.88	-0.23	0.11	0.80	5.13e-02	4.55e-02	5.07e-02	4.61e-02	-1.77e-03
2	123	178	0.54	-0.87	-0.28	-5.12e-02	0.70	2.88e-02	-4.12e-02	-3.43e-03	-8.92e-03	-3.49e-02
2	123	179	0.34	-0.88	-0.34	-0.20	0.61	1.95e-02	-5.39e-02	-1.39e-02	-2.06e-02	-3.65e-02
2	123	180	0.17	-0.89	-0.39	-0.34	0.53	1.87e-02	-3.12e-02	-2.34e-03	-1.01e-02	-2.46e-02
2	123	181	4.53e-02	-0.89	-0.46	-0.38	0.47	2.10e-02	-1.19e-02	1.10e-02	-1.80e-03	-1.52e-02
2	123	182	2.96	-1.28	-0.24	1.91	1.83	4.14	-0.40	1.36	2.38	2.21
2	123	183	2.37	-1.16	-0.27	1.48	1.53	2.75	1.03e-02	1.05	1.71	1.33
2	123	184	1.90	-1.09	-0.32	1.14	1.30	1.62	0.13	0.69	1.07	0.72
2	123	185	1.52	-1.04	-0.37	0.85	1.12	0.83	0.13	0.39	0.57	0.34
2	123	186	1.18	-1.01	-0.42	0.59	0.97	0.34	9.29e-02	0.19	0.25	0.12
2	123	187	0.89	-1.00	-0.47	0.36	0.85	7.65e-02	5.46e-02	6.48e-02	6.63e-02	1.09e-02
2	123	188	0.64	-1.00	-0.52	0.16	0.74	2.97e-02	-3.64e-02	8.66e-03	-1.54e-02	-3.08e-02
2	123	189	0.41	-1.00	-0.57	-2.99e-02	0.65	1.83e-02	-5.76e-02	-5.61e-03	-3.37e-02	-3.53e-02
2	123	190	0.20	-1.02	-0.62	-0.21	0.57	1.71e-02	-3.45e-02	2.27e-03	-1.97e-02	-2.34e-02
2	123	191	4.93e-02	-1.02	-0.68	-0.29	0.50	1.95e-02	-1.36e-02	1.29e-02	-7.01e-03	-1.32e-02
2	123	192	3.48	-1.41	-0.64	2.72	1.78	4.72	-0.69	0.69	3.34	2.36
2	123	193	2.77	-1.27	-0.63	2.13	1.47	3.21	-8.28e-02	0.72	2.41	1.41
2	123	194	2.21	-1.18	-0.64	1.67	1.24	1.93	0.12	0.54	1.50	0.77
2	123	195	1.75	-1.13	-0.66	1.29	1.06	1.01	0.14	0.34	0.81	0.36
2	123	196	1.36	-1.10	-0.69	0.96	0.91	0.43	0.10	0.18	0.35	0.13
2	123	197	1.03	-1.08	-0.73	0.67	0.79	0.11	6.10e-02	7.26e-02	9.61e-02	2.02e-02
2	123	198	0.73	-1.08	-0.77	0.41	0.69	3.21e-02	-3.01e-02	2.02e-02	-1.83e-02	-2.44e-02
2	123	199	0.47	-1.09	-0.81	0.18	0.60	1.85e-02	-6.02e-02	3.63e-03	-4.53e-02	-3.08e-02
2	123	200	0.22	-1.11	-0.85	-3.90e-02	0.53	1.67e-02	-3.75e-02	7.39e-03	-2.83e-02	-2.04e-02
2	123	201	5.79e-02	-1.12	-0.89	-0.16	0.46	1.88e-02	-1.51e-02	1.49e-02	-1.12e-02	-1.08e-02
2	123	202	3.96	-1.52	-1.10	3.54	1.46	5.16	-1.00	-0.21	4.37	2.06
2	123	203	3.11	-1.36	-1.02	2.77	1.18	3.58	-0.18	0.27	3.13	1.22
2	123	204	2.46	-1.25	-0.97	2.18	0.98	2.18	9.44e-02	0.33	1.95	0.66
2	123	205	1.94	-1.19	-0.96	1.70	0.83	1.15	0.14	0.25	1.04	0.32
2	123	206	1.51	-1.16	-0.96	1.30	0.71	0.50	0.11	0.15	0.46	0.12
2	123	207	1.13	-1.15	-0.97	0.95	0.61	0.13	6.59e-02	7.37e-02	0.13	2.18e-02

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2	123	208	0.80	-1.15	-0.99	0.65	0.53	3.39e-02	-2.44e-02	2.87e-02	-1.92e-02	-1.66e-02
2	123	209	0.51	-1.16	-1.02	0.37	0.47	1.85e-02	-6.21e-02	1.14e-02	-5.50e-02	-2.29e-02
2	123	210	0.25	-1.18	-1.05	0.12	0.41	1.62e-02	-3.99e-02	1.17e-02	-3.55e-02	-1.51e-02
2	123	211	6.49e-02	-1.18	-1.07	-4.36e-02	0.35	1.81e-02	-1.61e-02	1.63e-02	-1.44e-02	-7.57e-03
2	123	212	4.29	-1.59	-1.47	4.17	0.83	5.43	-1.24	-1.01	5.19	1.22
2	123	213	3.34	-1.41	-1.32	3.25	0.66	3.83	-0.27	-0.13	3.70	0.72
2	123	214	2.63	-1.30	-1.23	2.56	0.55	2.36	7.57e-02	0.14	2.29	0.39
2	123	215	2.07	-1.24	-1.17	2.00	0.46	1.25	0.14	0.18	1.22	0.19
2	123	216	1.60	-1.20	-1.15	1.55	0.39	0.55	0.11	0.13	0.53	7.10e-02
2	123	217	1.20	-1.19	-1.14	1.15	0.34	0.15	6.91e-02	7.15e-02	0.15	1.41e-02
2	123	218	0.85	-1.19	-1.15	0.81	0.29	3.51e-02	-2.03e-02	3.38e-02	-1.90e-02	-8.24e-03
2	123	219	0.54	-1.20	-1.16	0.50	0.25	1.86e-02	-6.32e-02	1.67e-02	-6.14e-02	-1.22e-02
2	123	220	0.26	-1.22	-1.19	0.22	0.22	1.58e-02	-4.14e-02	1.47e-02	-4.02e-02	-8.08e-03
2	123	221	6.94e-02	-1.22	-1.19	4.06e-02	0.19	1.76e-02	-1.68e-02	1.71e-02	-1.63e-02	-3.90e-03
2	123	222	4.41	-1.62	-1.62	4.41	-5.56e-05	5.52	-1.33	-1.33	5.52	-4.26e-06
2	123	223	3.43	-1.43	-1.43	3.43	-3.54e-06	3.92	-0.30	-0.30	3.92	1.72e-06
2	123	224	2.69	-1.32	-1.32	2.69	6.26e-06	2.42	6.83e-02	6.83e-02	2.42	
2	123	225	2.11	-1.25	-1.25	2.11	6.26e-06	1.29	0.14	0.14	1.29	
2	123	226	1.63	-1.22	-1.22	1.63	3.46e-06	0.56	0.12	0.12	0.56	
2	123	227	1.22	-1.20	-1.20	1.22	1.35e-06	0.16	7.02e-02	7.02e-02	0.16	
2	123	228	0.87	-1.20	-1.20	0.87		3.55e-02	-1.88e-02	3.55e-02	-1.88e-02	
2	123	229	0.55	-1.21	-1.21	0.55		1.86e-02	-6.35e-02	1.86e-02	-6.35e-02	
2	123	230	0.26	-1.23	-1.23	0.26		1.57e-02	-4.19e-02	1.57e-02	-4.19e-02	
2	123	231	7.09e-02	-1.24	-1.24	7.09e-02		1.74e-02	-1.70e-02	1.74e-02	-1.70e-02	
2	123	232	4.29	-1.59	-1.47	4.17	-0.83	5.43	-1.24	-1.01	5.19	-1.22
2	123	233	3.34	-1.41	-1.32	3.25	-0.66	3.83	-0.27	-0.13	3.70	-0.72
2	123	234	2.63	-1.30	-1.23	2.56	-0.55	2.36	7.57e-02	0.14	2.29	-0.39
2	123	235	2.07	-1.24	-1.17	2.00	-0.46	1.25	0.14	0.18	1.22	-0.19
2	123	236	1.60	-1.20	-1.15	1.55	-0.39	0.55	0.11	0.13	0.53	-7.10e-02
2	123	237	1.20	-1.19	-1.14	1.15	-0.34	0.15	6.91e-02	7.15e-02	0.15	-1.41e-02
2	123	238	0.85	-1.19	-1.15	0.81	-0.29	3.51e-02	-2.03e-02	3.38e-02	-1.90e-02	8.24e-03
2	123	239	0.54	-1.20	-1.16	0.50	-0.25	1.86e-02	-6.32e-02	1.67e-02	-6.14e-02	1.22e-02
2	123	240	0.26	-1.22	-1.19	0.22	-0.22	1.58e-02	-4.14e-02	1.47e-02	-4.02e-02	8.08e-03
2	123	241	6.94e-02	-1.22	-1.19	4.06e-02	-0.19	1.76e-02	-1.68e-02	1.71e-02	-1.63e-02	3.90e-03
2	123	242	3.96	-1.52	-1.10	3.54	-1.46	5.16	-1.00	-0.21	4.37	-2.06
2	123	243	3.11	-1.36	-1.02	2.77	-1.18	3.58	-0.18	0.27	3.13	-1.22
2	123	244	2.46	-1.25	-0.97	2.18	-0.98	2.18	9.44e-02	0.33	1.95	-0.66
2	123	245	1.94	-1.19	-0.96	1.70	-0.83	1.15	0.14	0.25	1.04	-0.32
2	123	246	1.51	-1.16	-0.96	1.30	-0.71	0.50	0.11	0.15	0.46	-0.12
2	123	247	1.13	-1.15	-0.97	0.95	-0.61	0.13	6.59e-02	7.37e-02	0.13	-2.18e-02
2	123	248	0.80	-1.15	-0.99	0.64	-0.53	3.39e-02	-2.44e-02	2.87e-02	-1.92e-02	1.66e-02
2	123	249	0.51	-1.16	-1.02	0.37	-0.47	1.85e-02	-6.21e-02	1.14e-02	-5.50e-02	2.29e-02
2	123	250	0.25	-1.18	-1.05	0.12	-0.41	1.62e-02	-3.99e-02	1.17e-02	-3.55e-02	1.51e-02
2	123	251	6.49e-02	-1.18	-1.07	-4.36e-02	-0.35	1.81e-02	-1.61e-02	1.63e-02	-1.44e-02	7.57e-03
2	123	252	3.48	-1.41	-0.64	2.71	-1.78	4.72	-0.69	0.69	3.34	-2.36
2	123	253	2.77	-1.27	-0.63	2.13	-1.47	3.21	-8.29e-02	0.72	2.41	-1.41
2	123	254	2.21	-1.18	-0.64	1.67	-1.24	1.93	0.12	0.54	1.50	-0.77
2	123	255	1.75	-1.13	-0.66	1.29	-1.06	1.01	0.14	0.34	0.81	-0.36
2	123	256	1.36	-1.10	-0.69	0.96	-0.91	0.43	0.10	0.18	0.35	-0.13
2	123	257	1.03	-1.08	-0.73	0.67	-0.79	0.11	6.10e-02	7.26e-02	9.61e-02	-2.02e-02
2	123	258	0.73	-1.08	-0.77	0.41	-0.69	3.21e-02	-3.01e-02	2.02e-02	-1.83e-02	2.44e-02
2	123	259	0.47	-1.09	-0.81	0.18	-0.60	1.85e-02	-6.02e-02	3.63e-03	-4.53e-02	3.08e-02
2	123	260	0.22	-1.11	-0.85	-3.91e-02	-0.53	1.67e-02	-3.75e-02	7.39e-03	-2.83e-02	2.04e-02
2	123	261	5.79e-02	-1.12	-0.89	-0.16	-0.46	1.88e-02	-1.51e-02	1.49e-02	-1.12e-02	1.08e-02
2	123	262	2.95	-1.28	-0.24	1.91	-1.82	4.14	-0.40	1.36	2.38	-2.21
2	123	263	2.36	-1.16	-0.27	1.48	-1.53	2.75	1.02e-02	1.05	1.71	-1.33
2	123	264	1.90	-1.09	-0.32	1.14	-1.30	1.62	0.13	0.69	1.07	-0.72
2	123	265	1.52	-1.04	-0.37	0.84	-1.12	0.83	0.13	0.39	0.57	-0.34
2	123	266	1.18	-1.01	-0.42	0.59	-0.97	0.34	9.29e-02	0.19	0.25	-0.12
2	123	267	0.89	-1.00	-0.47	0.36	-0.85	7.65e-02	5.46e-02	6.48e-02	6.63e-02	-1.09e-02
2	123	268	0.64	-1.00	-0.52	0.16	-0.74	2.97e-02	-3.64e-02	8.66e-03	-1.54e-02	3.08e-02
2	123	269	0.41	-1.00	-0.57	-2.99e-02	-0.65	1.83e-02	-5.76e-02	-5.61e-03	-3.37e-02	3.53e-02
2	123	270	0.20	-1.02	-0.62	-0.21	-0.57	1.71e-02	-3.45e-02	2.27e-03	-1.97e-02	2.34e-02
2	123	271	4.93e-02	-1.02	-0.68	-0.29	-0.50	1.95e-02	-1.36e-02	1.29e-02	-7.01e-03	1.32e-02
2	123	272	2.45	-1.13	4.32e-02	1.28	-1.68	3.49	-0.18	1.68	1.64	-1.83

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2	123	273	1.98	-1.03	-9.05e-03	0.96	-1.43	2.26	7.60e-02	1.18	1.15	-1.09
2	123	274	1.60	-0.96	-6.31e-02	0.70	-1.23	1.31	0.14	0.73	0.72	-0.59
2	123	275	1.28	-0.92	-0.12	0.48	-1.06	0.66	0.12	0.39	0.39	-0.27
2	123	276	1.00	-0.89	-0.18	0.28	-0.92	0.26	8.36e-02	0.17	0.17	-8.82e-02
2	123	277	0.76	-0.88	-0.23	0.11	-0.80	5.13e-02	4.55e-02	5.07e-02	4.61e-02	1.77e-03
2	123	278	0.54	-0.87	-0.28	-5.12e-02	-0.70	2.88e-02	-4.12e-02	-3.43e-03	-8.92e-03	3.49e-02
2	123	279	0.34	-0.88	-0.34	-0.20	-0.61	1.95e-02	-5.39e-02	-1.39e-02	-2.06e-02	3.65e-02
2	123	280	0.17	-0.89	-0.39	-0.34	-0.53	1.87e-02	-3.12e-02	-2.34e-03	-1.01e-02	2.46e-02
2	123	281	4.53e-02	-0.89	-0.46	-0.38	-0.47	2.10e-02	-1.19e-02	1.10e-02	-1.80e-03	1.52e-02
2	123	282	2.47	-1.09	0.33	1.05	-1.74	4.13	-0.39	2.43	1.30	-2.19
2	123	283	1.94	-0.95	0.25	0.74	-1.43	2.73	1.43e-02	1.73	1.02	-1.31
2	123	284	1.54	-0.87	0.18	0.49	-1.19	1.61	0.13	1.08	0.67	-0.71
2	123	285	1.21	-0.81	0.11	0.29	-1.00	0.83	0.13	0.58	0.38	-0.33
2	123	286	0.93	-0.77	4.53e-02	0.12	-0.85	0.34	9.51e-02	0.25	0.18	-0.12
2	123	287	0.70	-0.74	-1.84e-02	-2.66e-02	-0.72	7.82e-02	5.71e-02	7.26e-02	6.27e-02	-9.32e-03
2	123	288	0.49	-0.73	-7.89e-02	-0.16	-0.61	3.25e-02	-3.27e-02	-7.03e-03	6.87e-03	3.18e-02
2	123	289	0.31	-0.73	-0.14	-0.28	-0.51	2.15e-02	-5.29e-02	-2.34e-02	-8.05e-03	3.64e-02
2	123	290	0.15	-0.74	-0.19	-0.40	-0.43	2.03e-02	-3.07e-02	-8.84e-03	-1.61e-03	2.52e-02
2	123	291	4.62e-02	-0.74	-0.28	-0.42	-0.39	2.27e-02	-1.11e-02	7.81e-03	3.75e-03	1.68e-02
2	123	292	2.32	-1.06	0.57	0.69	-1.69	4.69	-0.68	3.38	0.63	-2.31
2	123	293	1.78	-0.89	0.45	0.44	-1.34	3.18	-7.67e-02	2.42	0.68	-1.38
2	123	294	1.38	-0.78	0.35	0.25	-1.08	1.91	0.12	1.50	0.52	-0.75
2	123	295	1.07	-0.70	0.27	0.10	-0.88	0.99	0.14	0.81	0.33	-0.35
2	123	296	0.82	-0.65	0.19	-1.98e-02	-0.72	0.42	0.10	0.35	0.17	-0.13
2	123	297	0.60	-0.61	0.12	-0.13	-0.59	0.11	6.36e-02	0.10	7.16e-02	-1.75e-02
2	123	298	0.42	-0.59	5.76e-02	-0.23	-0.48	3.60e-02	-2.33e-02	-8.03e-03	2.07e-02	2.59e-02
2	123	299	0.26	-0.58	-4.59e-04	-0.32	-0.39	2.33e-02	-5.11e-02	-3.22e-02	4.37e-03	3.24e-02
2	123	300	0.12	-0.58	-5.44e-02	-0.40	-0.30	2.16e-02	-2.99e-02	-1.52e-02	6.99e-03	2.32e-02
2	123	301	3.98e-02	-0.58	-0.14	-0.41	-0.28	2.44e-02	-9.77e-03	4.71e-03	9.90e-03	1.69e-02
2	123	302	1.99	-1.04	0.64	0.31	-1.50	5.12	-0.98	4.39	-0.25	-1.98
2	123	303	1.50	-0.83	0.50	0.17	-1.15	3.54	-0.17	3.12	0.24	-1.17
2	123	304	1.15	-0.69	0.39	6.39e-02	-0.90	2.15	9.79e-02	1.93	0.32	-0.64
2	123	305	0.88	-0.59	0.30	-2.08e-02	-0.72	1.13	0.14	1.03	0.25	-0.30
2	123	306	0.66	-0.52	0.23	-9.37e-02	-0.57	0.49	0.11	0.45	0.15	-0.11
2	123	307	0.48	-0.47	0.17	-0.16	-0.45	0.14	6.85e-02	0.13	7.37e-02	-1.82e-02
2	123	308	0.33	-0.43	0.11	-0.22	-0.34	3.85e-02	-1.49e-02	-7.41e-03	3.10e-02	1.86e-02
2	123	309	0.20	-0.41	6.13e-02	-0.28	-0.25	2.46e-02	-4.88e-02	-3.90e-02	1.48e-02	2.50e-02
2	123	310	8.81e-02	-0.40	1.54e-02	-0.33	-0.17	2.27e-02	-2.85e-02	-2.03e-02	1.45e-02	1.88e-02
2	123	311	3.34e-02	-0.41	-5.22e-02	-0.32	-0.17	2.58e-02	-7.96e-03	1.97e-03	1.59e-02	1.54e-02
2	123	312	1.51	-1.05	0.44	2.44e-02	-1.26	5.38	-1.20	5.18	-1.00	-1.12
2	123	313	1.13	-0.80	0.34	-8.85e-03	-0.95	3.77	-0.25	3.66	-0.13	-0.66
2	123	314	0.86	-0.63	0.27	-3.77e-02	-0.73	2.31	8.10e-02	2.25	0.14	-0.36
2	123	315	0.66	-0.51	0.21	-6.47e-02	-0.57	1.22	0.14	1.20	0.17	-0.17
2	123	316	0.49	-0.42	0.17	-9.12e-02	-0.44	0.53	0.12	0.52	0.13	-6.32e-02
2	123	317	0.35	-0.34	0.12	-0.12	-0.33	0.15	7.15e-02	0.15	7.28e-02	-1.01e-02
2	123	318	0.23	-0.29	8.85e-02	-0.14	-0.23	4.03e-02	-8.61e-03	-6.00e-03	3.77e-02	1.10e-02
2	123	319	0.13	-0.24	5.65e-02	-0.17	-0.15	2.58e-02	-4.60e-02	-4.27e-02	2.24e-02	1.52e-02
2	123	320	5.29e-02	-0.22	2.74e-02	-0.19	-7.91e-02	2.37e-02	-2.65e-02	-2.32e-02	2.04e-02	1.25e-02
2	123	321	3.06e-02	-0.23	-1.22e-02	-0.19	-9.66e-02	2.71e-02	-5.85e-03	2.44e-05	2.13e-02	1.26e-02
2	123	322	1.06	-1.21	1.37e-04	-0.15	-1.13	5.45	-1.26	5.45	-1.26	8.73e-02
2	123	323	0.82	-0.90	1.86e-02	-9.83e-02	-0.85	3.84	-0.27	3.84	-0.27	4.48e-02
2	123	324	0.64	-0.67	2.84e-02	-6.76e-02	-0.65	2.36	7.59e-02	2.35	7.61e-02	2.22e-02
2	123	325	0.49	-0.51	3.16e-02	-4.82e-02	-0.50	1.25	0.14	1.25	0.14	1.07e-02
2	123	326	0.37	-0.38	2.94e-02	-3.61e-02	-0.38	0.55	0.12	0.55	0.12	5.43e-03
2	123	327	0.27	-0.28	2.41e-02	-2.88e-02	-0.27	0.16	7.26e-02	0.16	7.28e-02	3.60e-03
2	123	328	0.18	-0.19	1.77e-02	-2.43e-02	-0.19	4.13e-02	-5.09e-03	-4.82e-03	4.10e-02	3.55e-03
2	123	329	0.11	-0.12	1.17e-02	-2.14e-02	-0.11	2.68e-02	-4.30e-02	-4.27e-02	2.65e-02	4.29e-03
2	123	330	3.63e-02	-5.07e-02	5.42e-03	-1.98e-02	-4.16e-02	2.48e-02	-2.39e-02	-2.34e-02	2.42e-02	5.17e-03
2	123	331	5.79e-02	-7.56e-02	1.12e-03	-1.88e-02	-6.60e-02	2.84e-02	-3.54e-03	-8.26e-04	2.57e-02	8.91e-03
2	123	332	0.85	-1.60	-0.44	-0.31	-1.22	5.35	-1.16	5.09	-0.90	1.26
2	123	333	0.68	-1.16	-0.30	-0.18	-0.92	3.74	-0.23	3.60	-9.22e-02	0.73
2	123	334	0.55	-0.86	-0.21	-8.99e-02	-0.70	2.28	8.51e-02	2.21	0.16	0.39
2	123	335	0.46	-0.63	-0.15	-2.62e-02	-0.54	1.21	0.14	1.18	0.18	0.19
2	123	336	0.38	-0.46	-0.11	2.29e-02	-0.41	0.53	0.12	0.51	0.13	7.19e-02
2	123	337	0.31	-0.33	-7.98e-02	6.28e-02	-0.31	0.15	7.18e-02	0.15	7.52e-02	1.66e-02

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2	123	338	0.25	-0.21	-5.55e-02	9.67e-02	-0.22	4.15e-02	-4.51e-03	-4.18e-03	4.12e-02	-3.89e-03
2	123	339	0.21	-0.12	-3.49e-02	0.13	-0.14	2.77e-02	-3.96e-02	-3.90e-02	2.71e-02	-6.43e-03
2	123	340	0.18	-4.36e-02	-1.79e-02	0.15	-7.13e-02	2.60e-02	-2.08e-02	-2.07e-02	2.58e-02	-2.16e-03
2	123	341	0.20	-3.15e-02	1.35e-02	0.15	-9.04e-02	2.97e-02	-1.14e-03	-4.52e-04	2.90e-02	4.57e-03
2	123	342	0.82	-2.03	-0.66	-0.55	-1.43	5.06	-0.92	4.26	-0.11	2.04
2	123	343	0.69	-1.49	-0.48	-0.33	-1.09	3.48	-0.15	3.03	0.30	1.20
2	123	344	0.59	-1.11	-0.35	-0.17	-0.85	2.11	0.10	1.87	0.34	0.65
2	123	345	0.52	-0.83	-0.26	-5.50e-02	-0.67	1.11	0.14	1.00	0.25	0.31
2	123	346	0.46	-0.62	-0.19	3.65e-02	-0.53	0.48	0.11	0.44	0.15	0.12
2	123	347	0.42	-0.44	-0.13	0.11	-0.41	0.14	6.91e-02	0.13	7.82e-02	2.32e-02
2	123	348	0.39	-0.30	-8.55e-02	0.18	-0.32	4.10e-02	-6.38e-03	-3.47e-03	3.81e-02	-1.14e-02
2	123	349	0.37	-0.18	-4.48e-02	0.24	-0.23	2.86e-02	-3.60e-02	-3.19e-02	2.45e-02	-1.57e-02
2	123	350	0.36	-7.80e-02	-9.63e-03	0.29	-0.16	2.71e-02	-1.73e-02	-1.55e-02	2.54e-02	-8.67e-03
2	123	351	0.37	-3.22e-02	5.05e-02	0.29	-0.16	3.09e-02	1.23e-03	1.23e-03	3.09e-02	-3.43e-05
2	123	352	0.86	-2.34	-0.61	-0.87	-1.59	4.61	-0.62	3.25	0.74	2.29
2	123	353	0.75	-1.75	-0.45	-0.55	-1.25	3.10	-5.40e-02	2.32	0.73	1.36
2	123	354	0.67	-1.34	-0.33	-0.33	-1.01	1.85	0.12	1.44	0.54	0.74
2	123	355	0.62	-1.02	-0.24	-0.16	-0.82	0.96	0.14	0.77	0.33	0.35
2	123	356	0.58	-0.77	-0.16	-2.15e-02	-0.67	0.41	0.10	0.34	0.17	0.13
2	123	357	0.56	-0.56	-9.79e-02	9.44e-02	-0.55	0.11	6.50e-02	9.95e-02	7.78e-02	2.11e-02
2	123	358	0.54	-0.39	-4.17e-02	0.20	-0.45	4.00e-02	-9.75e-03	-1.62e-03	3.18e-02	-1.84e-02
2	123	359	0.53	-0.24	9.05e-03	0.29	-0.36	2.94e-02	-3.20e-02	-2.22e-02	1.95e-02	-2.25e-02
2	123	360	0.54	-0.11	5.43e-02	0.37	-0.28	2.83e-02	-1.35e-02	-8.45e-03	2.32e-02	-1.37e-02
2	123	361	0.55	-3.82e-02	0.13	0.38	-0.27	3.18e-02	3.48e-03	4.21e-03	3.10e-02	-4.48e-03
2	123	362	0.90	-2.46	-0.39	-1.17	-1.64	4.03	-0.34	2.32	1.36	2.13
2	123	363	0.82	-1.91	-0.28	-0.81	-1.34	2.65	3.22e-02	1.65	1.03	1.27
2	123	364	0.76	-1.48	-0.18	-0.54	-1.11	1.55	0.14	1.02	0.67	0.69
2	123	365	0.73	-1.15	-0.10	-0.32	-0.93	0.79	0.13	0.55	0.38	0.32
2	123	366	0.70	-0.88	-3.38e-02	-0.15	-0.79	0.33	9.50e-02	0.24	0.18	0.11
2	123	367	0.69	-0.66	2.73e-02	6.22e-03	-0.67	8.45e-02	5.97e-02	7.30e-02	7.12e-02	1.23e-02
2	123	368	0.69	-0.46	8.31e-02	0.14	-0.57	3.85e-02	-1.36e-02	2.04e-03	2.28e-02	-2.39e-02
2	123	369	0.69	-0.29	0.14	0.26	-0.48	2.99e-02	-2.79e-02	-1.11e-02	1.30e-02	-2.63e-02
2	123	370	0.70	-0.14	0.18	0.38	-0.41	2.92e-02	-9.79e-03	-2.91e-04	1.97e-02	-1.67e-02
2	123	371	0.71	-4.45e-02	0.26	0.40	-0.37	3.20e-02	5.50e-03	8.35e-03	2.92e-02	-8.20e-03
2	123	372	0.97	-2.44	-0.12	-1.36	-1.59	3.38	-0.14	1.60	1.64	1.76
2	123	373	0.91	-1.94	-3.03e-02	-1.00	-1.34	2.17	9.11e-02	1.12	1.14	1.04
2	123	374	0.87	-1.54	4.68e-02	-0.72	-1.14	1.25	0.14	0.69	0.70	0.55
2	123	375	0.85	-1.22	0.11	-0.49	-0.99	0.63	0.12	0.37	0.38	0.25
2	123	376	0.83	-0.95	0.17	-0.29	-0.86	0.25	8.69e-02	0.17	0.17	8.27e-02
2	123	377	0.83	-0.72	0.23	-0.11	-0.75	5.98e-02	5.50e-02	5.51e-02	5.97e-02	7.70e-04
2	123	378	0.83	-0.51	0.28	4.32e-02	-0.66	3.88e-02	-1.64e-02	8.45e-03	1.39e-02	-2.74e-02
2	123	379	0.84	-0.32	0.33	0.19	-0.58	3.18e-02	-2.37e-02	7.15e-04	7.42e-03	-2.75e-02
2	123	380	0.85	-0.16	0.37	0.32	-0.50	3.09e-02	-6.28e-03	8.42e-03	1.62e-02	-1.82e-02
2	123	381	0.86	-4.34e-02	0.45	0.37	-0.45	3.23e-02	6.99e-03	1.32e-02	2.60e-02	-1.09e-02
2	123	382	1.08	-2.94	0.12	-1.97	-1.72	4.01	-0.34	1.31	2.37	2.11
2	123	383	1.03	-2.33	0.21	-1.51	-1.44	2.64	3.63e-02	1.00	1.67	1.26
2	123	384	0.98	-1.84	0.28	-1.14	-1.22	1.55	0.14	0.65	1.03	0.68
2	123	385	0.96	-1.46	0.34	-0.84	-1.05	0.79	0.13	0.37	0.55	0.31
2	123	386	0.95	-1.13	0.39	-0.58	-0.92	0.33	9.72e-02	0.18	0.25	0.11
2	123	387	0.94	-0.85	0.45	-0.36	-0.80	8.61e-02	6.23e-02	6.91e-02	7.93e-02	1.07e-02
2	123	388	0.95	-0.61	0.50	-0.15	-0.71	4.12e-02	-9.74e-03	2.11e-02	1.05e-02	-2.49e-02
2	123	389	0.96	-0.39	0.55	2.92e-02	-0.62	3.29e-02	-2.31e-02	1.06e-02	-8.06e-04	-2.74e-02
2	123	390	0.98	-0.19	0.59	0.20	-0.55	3.20e-02	-5.58e-03	1.58e-02	1.06e-02	-1.86e-02
2	123	391	0.99	-4.75e-02	0.66	0.28	-0.48	3.35e-02	9.72e-03	2.00e-02	2.32e-02	-1.18e-02
2	123	392	1.18	-3.47	0.46	-2.75	-1.68	4.59	-0.60	0.68	3.30	2.24
2	123	393	1.11	-2.72	0.52	-2.13	-1.38	3.08	-4.76e-02	0.69	2.34	1.33
2	123	394	1.06	-2.15	0.57	-1.65	-1.16	1.83	0.13	0.52	1.44	0.72
2	123	395	1.04	-1.69	0.61	-1.26	-0.99	0.95	0.14	0.32	0.77	0.34
2	123	396	1.03	-1.31	0.65	-0.93	-0.86	0.40	0.11	0.17	0.34	0.12
2	123	397	1.03	-0.98	0.69	-0.65	-0.75	0.11	6.78e-02	7.69e-02	0.11	1.84e-02
2	123	398	1.04	-0.70	0.73	-0.40	-0.66	4.36e-02	-2.63e-03	3.24e-02	8.64e-03	-1.99e-02
2	123	399	1.05	-0.44	0.78	-0.17	-0.58	3.38e-02	-2.26e-02	2.02e-02	-9.02e-03	-2.41e-02
2	123	400	1.07	-0.21	0.82	3.90e-02	-0.51	3.26e-02	-5.16e-03	2.28e-02	4.61e-03	-1.65e-02
2	123	401	1.08	-5.61e-02	0.86	0.16	-0.44	3.41e-02	1.21e-02	2.60e-02	2.02e-02	-1.06e-02
2	123	402	1.25	-3.95	0.86	-3.56	-1.38	5.02	-0.89	-0.15	4.29	1.95

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2	123	403	1.18	-3.07	0.86	-2.75	-1.12	3.44	-0.14	0.28	3.02	1.15
2	123	404	1.13	-2.40	0.87	-2.14	-0.92	2.07	0.11	0.33	1.85	0.62
2	123	405	1.10	-1.88	0.88	-1.66	-0.78	1.09	0.14	0.25	0.98	0.29
2	123	406	1.09	-1.45	0.90	-1.26	-0.67	0.47	0.11	0.15	0.43	0.11
2	123	407	1.09	-1.09	0.92	-0.92	-0.58	0.14	7.20e-02	7.83e-02	0.13	1.96e-02
2	123	408	1.10	-0.77	0.95	-0.62	-0.51	4.53e-02	3.47e-03	4.04e-02	8.33e-03	-1.34e-02
2	123	409	1.12	-0.49	0.98	-0.35	-0.45	3.42e-02	-2.22e-02	2.79e-02	-1.59e-02	-1.78e-02
2	123	410	1.14	-0.23	1.02	-0.11	-0.39	3.27e-02	-4.93e-03	2.82e-02	-3.64e-04	-1.23e-02
2	123	411	1.15	-6.29e-02	1.04	4.19e-02	-0.34	3.42e-02	1.39e-02	3.05e-02	1.76e-02	-7.84e-03
2	123	412	1.30	-4.29	1.19	-4.18	-0.79	5.29	-1.11	-0.89	5.08	1.16
2	123	413	1.22	-3.31	1.13	-3.22	-0.63	3.68	-0.21	-9.28e-02	3.56	0.68
2	123	414	1.17	-2.58	1.10	-2.50	-0.52	2.24	9.08e-02	0.15	2.17	0.36
2	123	415	1.14	-2.01	1.08	-1.95	-0.43	1.18	0.15	0.17	1.15	0.17
2	123	416	1.13	-1.54	1.08	-1.49	-0.37	0.51	0.12	0.13	0.50	6.41e-02
2	123	417	1.13	-1.15	1.08	-1.11	-0.32	0.16	7.45e-02	7.65e-02	0.15	1.26e-02
2	123	418	1.14	-0.82	1.10	-0.78	-0.28	4.62e-02	7.66e-03	4.50e-02	8.84e-03	-6.63e-03
2	123	419	1.16	-0.52	1.12	-0.48	-0.24	3.44e-02	-2.20e-02	3.27e-02	-2.03e-02	-9.47e-03
2	123	420	1.18	-0.25	1.15	-0.21	-0.22	3.28e-02	-4.80e-03	3.16e-02	-3.63e-03	-6.54e-03
2	123	421	1.19	-6.72e-02	1.16	-3.94e-02	-0.18	3.41e-02	1.49e-02	3.32e-02	1.59e-02	-4.16e-03
2	123	422	1.32	-4.41	1.32	-4.41	-4.37e-05	5.38	-1.19	-1.19	5.38	-3.56e-06
2	123	423	1.24	-3.39	1.24	-3.39	-8.63e-06	3.76	-0.24	-0.24	3.76	1.28e-06
2	123	424	1.19	-2.64	1.19	-2.64		2.29	8.39e-02	8.39e-02	2.29	
2	123	425	1.16	-2.05	1.16	-2.05	2.91e-06	1.21	0.15	0.15	1.21	
2	123	426	1.14	-1.58	1.14	-1.58	2.71e-06	0.53	0.12	0.12	0.53	
2	123	427	1.14	-1.18	1.14	-1.18	1.93e-06	0.16	7.54e-02	7.54e-02	0.16	
2	123	428	1.15	-0.83	1.15	-0.83	1.17e-06	4.66e-02	9.15e-03	4.66e-02	9.15e-03	
2	123	429	1.17	-0.53	1.17	-0.53		3.45e-02	-2.18e-02	3.45e-02	-2.18e-02	
2	123	430	1.19	-0.25	1.19	-0.25		3.27e-02	-4.80e-03	3.27e-02	-4.80e-03	
2	123	431	1.20	-6.86e-02	1.20	-6.86e-02		3.41e-02	1.53e-02	3.41e-02	1.53e-02	
2	123	432	1.30	-4.29	1.19	-4.18	0.79	5.29	-1.11	-0.89	5.08	-1.16
2	123	433	1.22	-3.31	1.13	-3.22	0.63	3.68	-0.21	-9.28e-02	3.56	-0.68
2	123	434	1.17	-2.58	1.10	-2.50	0.52	2.24	9.08e-02	0.15	2.17	-0.36
2	123	435	1.14	-2.01	1.08	-1.95	0.43	1.18	0.15	0.17	1.15	-0.17
2	123	436	1.13	-1.54	1.08	-1.49	0.37	0.51	0.12	0.13	0.50	-6.41e-02
2	123	437	1.13	-1.15	1.08	-1.11	0.32	0.16	7.45e-02	7.65e-02	0.15	-1.26e-02
2	123	438	1.14	-0.82	1.10	-0.78	0.28	4.62e-02	7.66e-03	4.50e-02	8.84e-03	6.63e-03
2	123	439	1.16	-0.52	1.12	-0.48	0.24	3.44e-02	-2.20e-02	3.27e-02	-2.03e-02	9.47e-03
2	123	440	1.18	-0.25	1.15	-0.21	0.22	3.28e-02	-4.80e-03	3.16e-02	-3.63e-03	6.54e-03
2	123	441	1.19	-6.72e-02	1.16	-3.94e-02	0.18	3.41e-02	1.49e-02	3.32e-02	1.59e-02	4.16e-03
2	123	442	1.26	-3.95	0.86	-3.56	1.38	5.02	-0.89	-0.15	4.29	-1.95
2	123	443	1.18	-3.07	0.86	-2.75	1.12	3.44	-0.14	0.28	3.02	-1.15
2	123	444	1.13	-2.40	0.87	-2.14	0.92	2.07	0.11	0.33	1.85	-0.62
2	123	445	1.10	-1.88	0.88	-1.66	0.78	1.09	0.14	0.25	0.98	-0.29
2	123	446	1.09	-1.45	0.90	-1.26	0.67	0.47	0.11	0.15	0.43	-0.11
2	123	447	1.09	-1.09	0.92	-0.92	0.58	0.14	7.20e-02	7.83e-02	0.13	-1.96e-02
2	123	448	1.10	-0.77	0.95	-0.62	0.51	4.53e-02	3.47e-03	4.04e-02	8.33e-03	1.34e-02
2	123	449	1.12	-0.49	0.98	-0.35	0.45	3.42e-02	-2.22e-02	2.79e-02	-1.59e-02	1.78e-02
2	123	450	1.14	-0.23	1.02	-0.11	0.39	3.27e-02	-4.93e-03	2.82e-02	-3.64e-04	1.23e-02
2	123	451	1.15	-6.29e-02	1.04	4.19e-02	0.34	3.42e-02	1.39e-02	3.05e-02	1.76e-02	7.84e-03
2	123	452	1.18	-3.47	0.46	-2.75	1.68	4.59	-0.60	0.68	3.30	-2.24
2	123	453	1.11	-2.72	0.52	-2.13	1.38	3.08	-4.76e-02	0.69	2.34	-1.33
2	123	454	1.06	-2.15	0.57	-1.65	1.16	1.83	0.13	0.52	1.44	-0.72
2	123	455	1.04	-1.69	0.61	-1.26	0.99	0.95	0.14	0.32	0.77	-0.34
2	123	456	1.03	-1.31	0.65	-0.93	0.86	0.40	0.11	0.17	0.34	-0.12
2	123	457	1.03	-0.98	0.69	-0.65	0.75	0.11	6.78e-02	7.69e-02	0.11	-1.84e-02
2	123	458	1.04	-0.70	0.73	-0.40	0.66	4.36e-02	-2.63e-03	3.24e-02	8.64e-03	1.99e-02
2	123	459	1.05	-0.44	0.78	-0.17	0.58	3.38e-02	-2.26e-02	2.02e-02	-9.02e-03	2.41e-02
2	123	460	1.07	-0.21	0.82	3.90e-02	0.51	3.26e-02	-5.16e-03	2.28e-02	4.61e-03	1.65e-02
2	123	461	1.08	-5.61e-02	0.86	0.16	0.44	3.41e-02	1.21e-02	2.60e-02	2.02e-02	1.06e-02
2	123	462	1.09	-2.94	0.12	-1.97	1.72	4.01	-0.34	1.31	2.37	-2.11
2	123	463	1.02	-2.33	0.20	-1.51	1.44	2.64	3.62e-02	1.00	1.67	-1.26
2	123	464	0.98	-1.84	0.28	-1.14	1.22	1.54	0.14	0.65	1.03	-0.68
2	123	465	0.96	-1.46	0.34	-0.84	1.05	0.79	0.13	0.37	0.55	-0.31
2	123	466	0.95	-1.13	0.39	-0.58	0.92	0.33	9.71e-02	0.18	0.25	-0.11
2	123	467	0.94	-0.85	0.45	-0.36	0.80	8.61e-02	6.23e-02	6.91e-02	7.93e-02	-1.07e-02

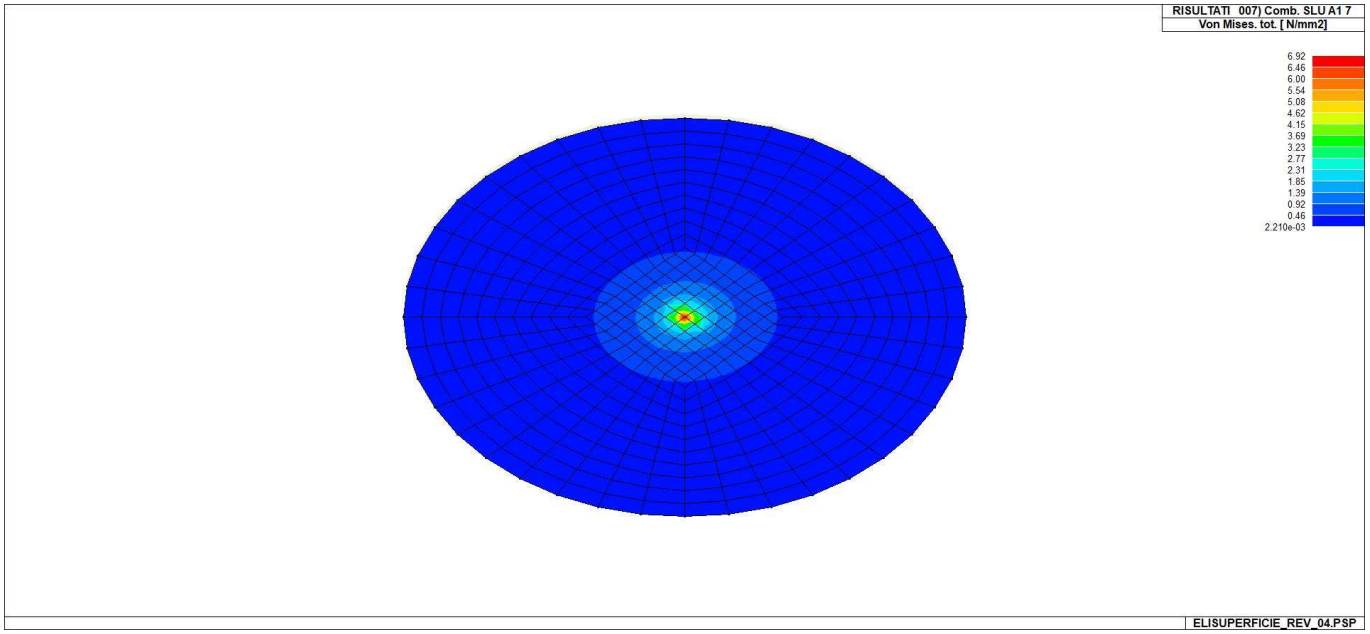
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2	123	468	0.95	-0.61	0.50	-0.15	0.71	4.12e-02	-9.74e-03	2.11e-02	1.05e-02	2.49e-02
2	123	469	0.96	-0.39	0.55	2.92e-02	0.62	3.29e-02	-2.31e-02	1.06e-02	-8.07e-04	2.74e-02
2	123	470	0.98	-0.19	0.59	0.20	0.55	3.20e-02	-5.58e-03	1.58e-02	1.06e-02	1.86e-02
2	123	471	0.99	-4.75e-02	0.66	0.28	0.48	3.35e-02	9.72e-03	2.00e-02	2.32e-02	1.18e-02
2	123	472	0.96	-2.44	-0.13	-1.35	1.59	3.38	-0.14	1.60	1.64	-1.76
2	123	473	0.91	-1.94	-3.21e-02	-1.00	1.34	2.17	9.11e-02	1.12	1.14	-1.04
2	123	474	0.87	-1.54	4.61e-02	-0.72	1.14	1.25	0.14	0.69	0.70	-0.55
2	123	475	0.85	-1.22	0.11	-0.49	0.99	0.63	0.12	0.37	0.38	-0.25
2	123	476	0.83	-0.95	0.17	-0.29	0.86	0.25	8.69e-02	0.17	0.17	-8.27e-02
2	123	477	0.83	-0.72	0.23	-0.11	0.75	5.98e-02	5.50e-02	5.51e-02	5.97e-02	-7.70e-04
2	123	478	0.83	-0.51	0.28	4.32e-02	0.66	3.88e-02	-1.64e-02	8.45e-03	1.39e-02	2.74e-02
2	123	479	0.84	-0.32	0.33	0.19	0.58	3.18e-02	-2.37e-02	7.15e-04	7.42e-03	2.75e-02
2	123	480	0.85	-0.16	0.37	0.32	0.50	3.09e-02	-6.28e-03	8.42e-03	1.62e-02	1.82e-02
2	123	481	0.86	-4.34e-02	0.45	0.37	0.45	3.23e-02	6.99e-03	1.32e-02	2.60e-02	1.09e-02
2	123	482	0.90	-2.46	-0.39	-1.17	1.64	4.03	-0.34	2.32	1.36	-2.13
2	123	483	0.82	-1.91	-0.28	-0.81	1.34	2.65	3.22e-02	1.65	1.03	-1.27
2	123	484	0.76	-1.48	-0.18	-0.54	1.11	1.55	0.14	1.02	0.67	-0.69
2	123	485	0.73	-1.15	-0.10	-0.32	0.93	0.79	0.13	0.55	0.38	-0.32
2	123	486	0.70	-0.88	-3.39e-02	-0.15	0.79	0.33	9.50e-02	0.24	0.18	-0.11
2	123	487	0.69	-0.66	2.72e-02	6.17e-03	0.67	8.45e-02	5.97e-02	7.30e-02	7.12e-02	-1.23e-02
2	123	488	0.69	-0.46	8.31e-02	0.14	0.57	3.85e-02	-1.36e-02	2.04e-03	2.28e-02	2.39e-02
2	123	489	0.69	-0.29	0.14	0.26	0.48	2.99e-02	-2.79e-02	-1.11e-02	1.30e-02	2.63e-02
2	123	490	0.70	-0.14	0.18	0.38	0.41	2.92e-02	-9.79e-03	-2.91e-04	1.97e-02	1.67e-02
2	123	491	0.71	-4.45e-02	0.26	0.40	0.37	3.20e-02	5.50e-03	8.35e-03	2.92e-02	8.20e-03
2	123	492	0.86	-2.34	-0.60	-0.87	1.59	4.61	-0.62	3.26	0.74	-2.29
2	123	493	0.75	-1.75	-0.45	-0.55	1.25	3.10	-5.40e-02	2.32	0.73	-1.36
2	123	494	0.67	-1.34	-0.33	-0.33	1.01	1.85	0.12	1.44	0.54	-0.74
2	123	495	0.62	-1.02	-0.24	-0.16	0.82	0.96	0.14	0.77	0.33	-0.35
2	123	496	0.58	-0.77	-0.16	-2.15e-02	0.67	0.41	0.10	0.34	0.17	-0.13
2	123	497	0.56	-0.56	-9.80e-02	9.44e-02	0.55	0.11	6.50e-02	9.95e-02	7.78e-02	-2.11e-02
2	123	498	0.54	-0.39	-4.17e-02	0.20	0.45	4.00e-02	-9.75e-03	-1.62e-03	3.18e-02	1.84e-02
2	123	499	0.53	-0.24	9.05e-03	0.29	0.36	2.94e-02	-3.20e-02	-2.22e-02	1.95e-02	2.25e-02
2	123	500	0.54	-0.11	5.43e-02	0.37	0.28	2.83e-02	-1.35e-02	-8.45e-03	2.32e-02	1.37e-02
2	123	501	0.55	-3.83e-02	0.13	0.38	0.27	3.18e-02	3.48e-03	4.21e-03	3.10e-02	4.48e-03
2	123	502	0.82	-2.03	-0.66	-0.55	1.43	5.06	-0.92	4.26	-0.11	-2.04
2	123	503	0.69	-1.49	-0.48	-0.33	1.09	3.48	-0.15	3.03	0.30	-1.20
2	123	504	0.59	-1.11	-0.35	-0.17	0.85	2.11	0.10	1.87	0.34	-0.65
2	123	505	0.52	-0.83	-0.26	-5.51e-02	0.67	1.11	0.14	1.00	0.25	-0.31
2	123	506	0.46	-0.62	-0.19	3.65e-02	0.53	0.48	0.11	0.44	0.15	-0.12
2	123	507	0.42	-0.44	-0.13	0.11	0.41	0.14	6.91e-02	0.13	7.82e-02	-2.32e-02
2	123	508	0.39	-0.30	-8.55e-02	0.18	0.32	4.10e-02	-6.38e-03	-3.47e-03	3.81e-02	1.14e-02
2	123	509	0.37	-0.18	-4.48e-02	0.24	0.23	2.86e-02	-3.60e-02	-3.19e-02	2.45e-02	1.57e-02
2	123	510	0.36	-7.80e-02	-9.62e-03	0.29	0.16	2.71e-02	-1.73e-02	-1.55e-02	2.54e-02	8.67e-03
2	123	511	0.37	-3.22e-02	5.04e-02	0.29	0.16	3.09e-02	1.23e-03	1.23e-03	3.09e-02	3.43e-05
2	123	512	0.85	-1.60	-0.44	-0.31	1.22	5.35	-1.16	5.09	-0.90	-1.26
2	123	513	0.68	-1.16	-0.30	-0.18	0.92	3.74	-0.23	3.60	-9.22e-02	-0.73
2	123	514	0.55	-0.86	-0.21	-8.99e-02	0.70	2.28	8.51e-02	2.21	0.16	-0.39
2	123	515	0.46	-0.63	-0.15	-2.62e-02	0.54	1.21	0.14	1.18	0.18	-0.19
2	123	516	0.38	-0.46	-0.11	2.29e-02	0.41	0.53	0.12	0.51	0.13	-7.19e-02
2	123	517	0.31	-0.33	-7.98e-02	6.28e-02	0.31	0.15	7.18e-02	0.15	7.52e-02	-1.66e-02
2	123	518	0.25	-0.21	-5.55e-02	9.67e-02	0.22	4.15e-02	-4.51e-03	-4.18e-03	4.12e-02	3.89e-03
2	123	519	0.21	-0.12	-3.49e-02	0.13	0.14	2.77e-02	-3.96e-02	-3.90e-02	2.71e-02	6.43e-03
2	123	520	0.18	-4.36e-02	-1.79e-02	0.15	7.13e-02	2.60e-02	-2.08e-02	-2.07e-02	2.58e-02	2.16e-03
2	123	521	0.20	-3.15e-02	1.35e-02	0.15	9.04e-02	2.97e-02	-1.14e-03	-4.52e-04	2.90e-02	-4.57e-03

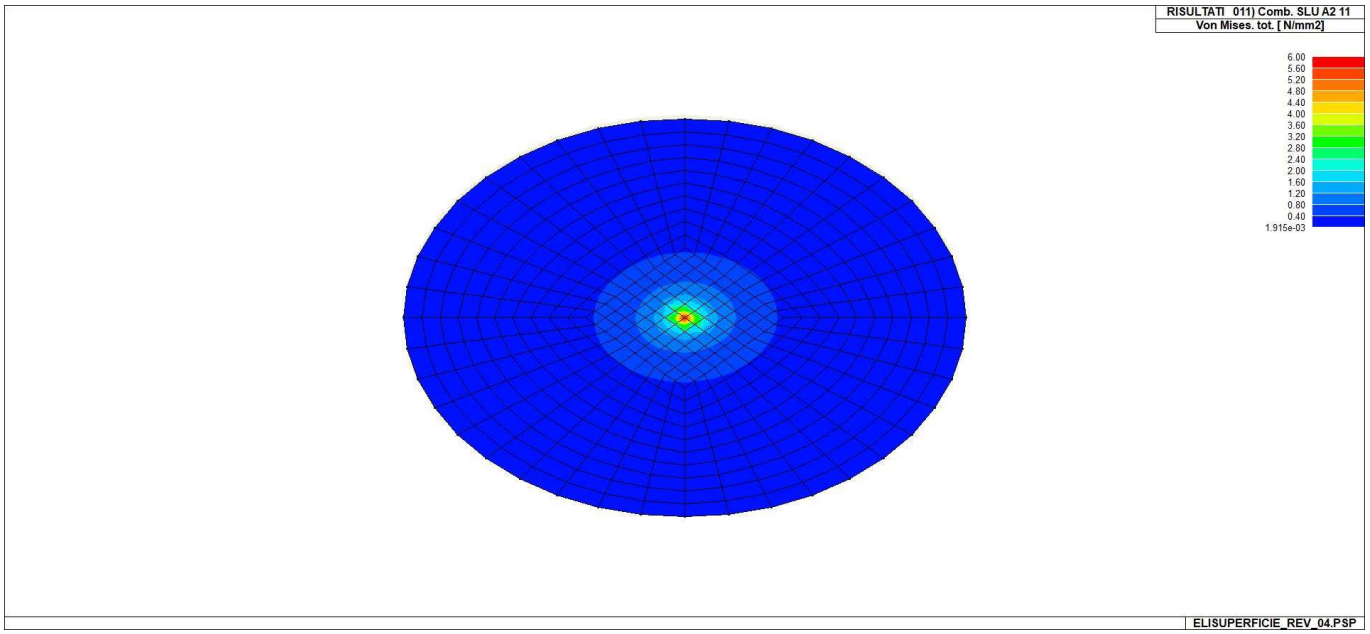
M_G			N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
				-45.05	-31.35	-43.96	-18.82		-135.21	-135.21	-135.21	-17.59
			40.39		27.77	40.38	21.77	9.64		9.64	9.64	17.59

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Elem.	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			-128.36	-33.65	-98.63	-61.60		-150.15	-136.38	-139.43	-24.20
	6.92	128.96		29.25	97.74	61.60	9.72		9.71	9.72	24.20

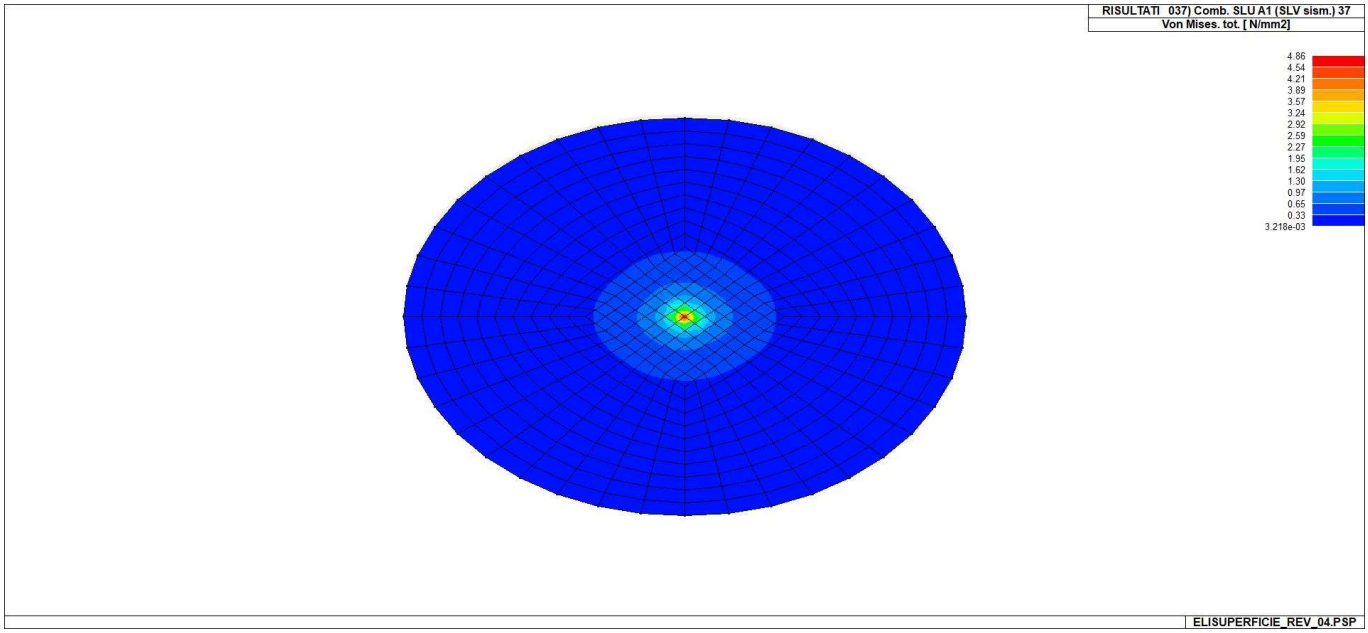


44_RIS_VONMISES_007_Comb. SLU A1 7

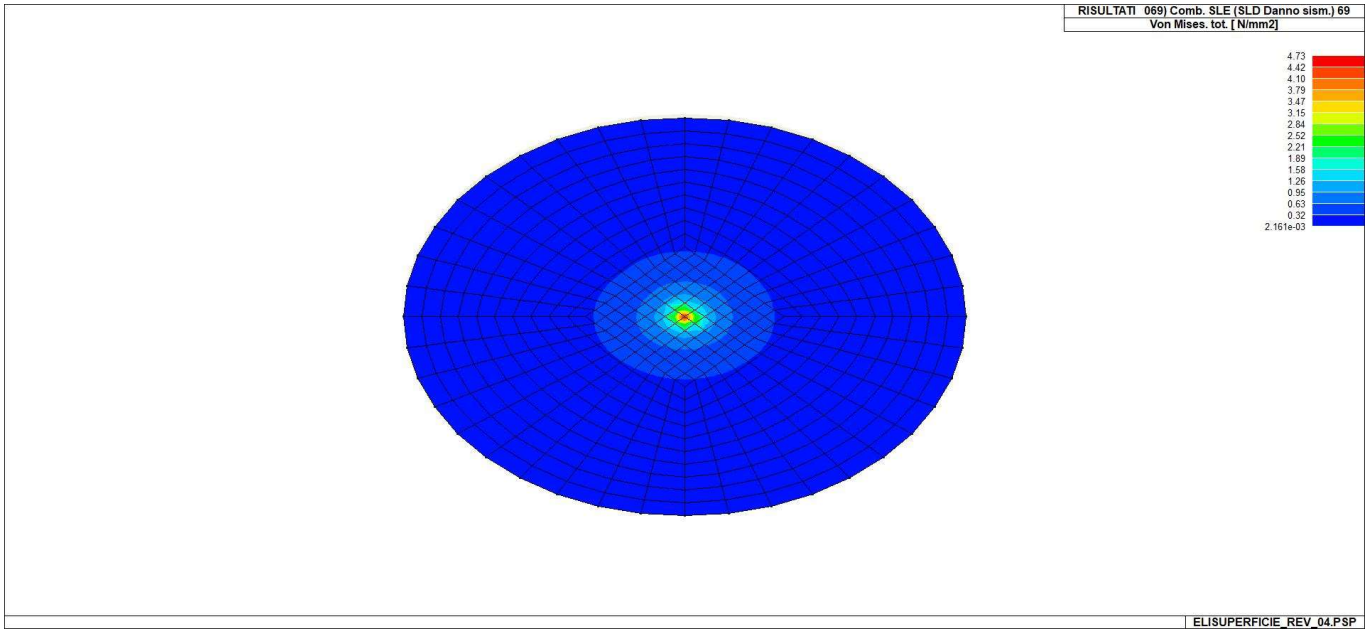


44_RIS_VONMISES_011_Comb. SLU A2 11

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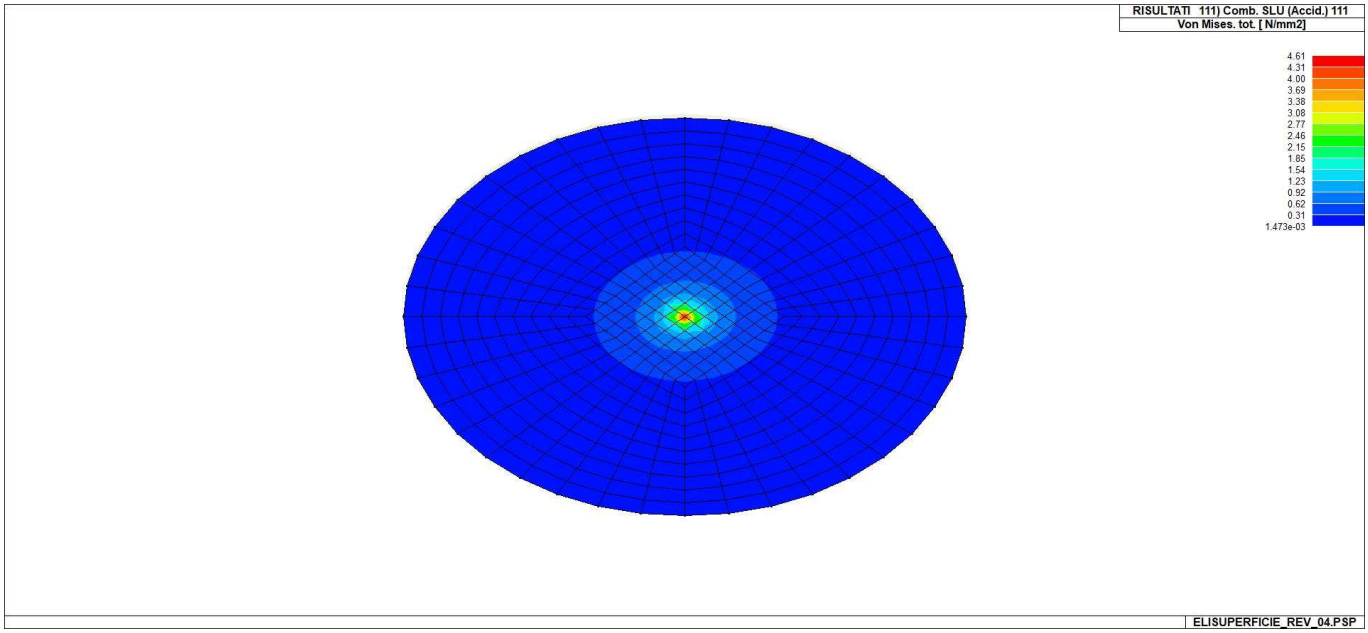


44_RIS_VONMISES_037_Comb. SLU A1 (SLV sism.) 37

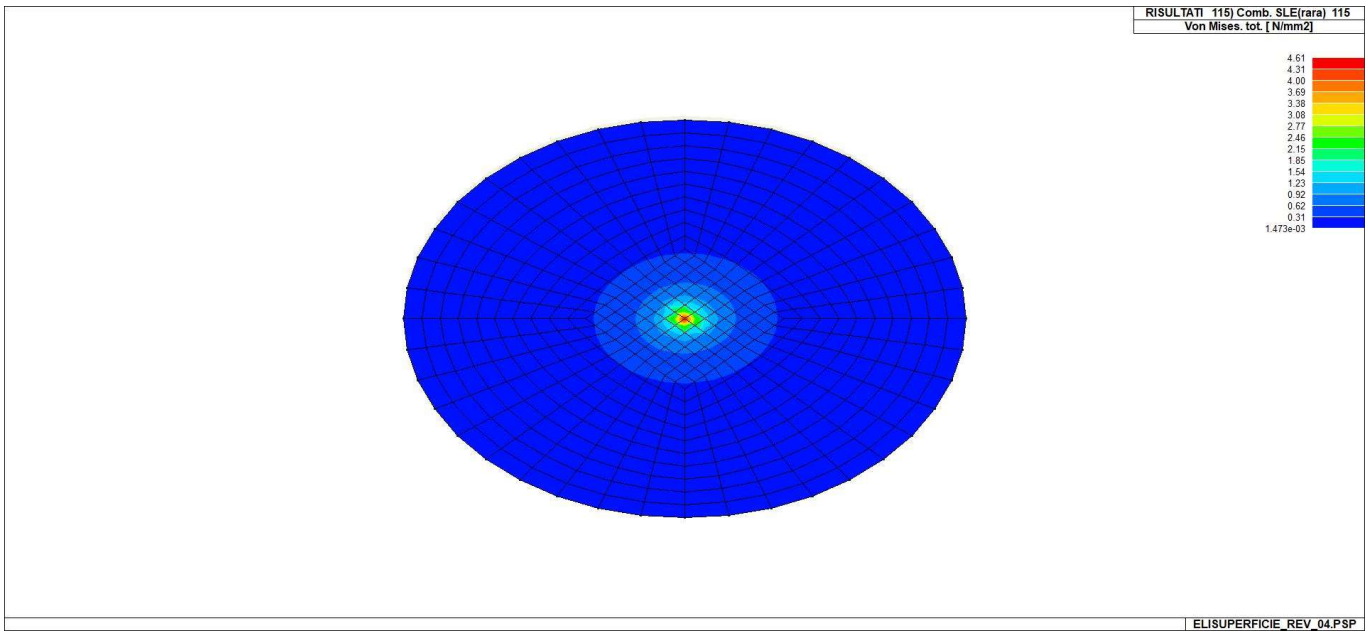


44_RIS_VONMISES_069_Comb. SLE (SLD Danno sism.) 69

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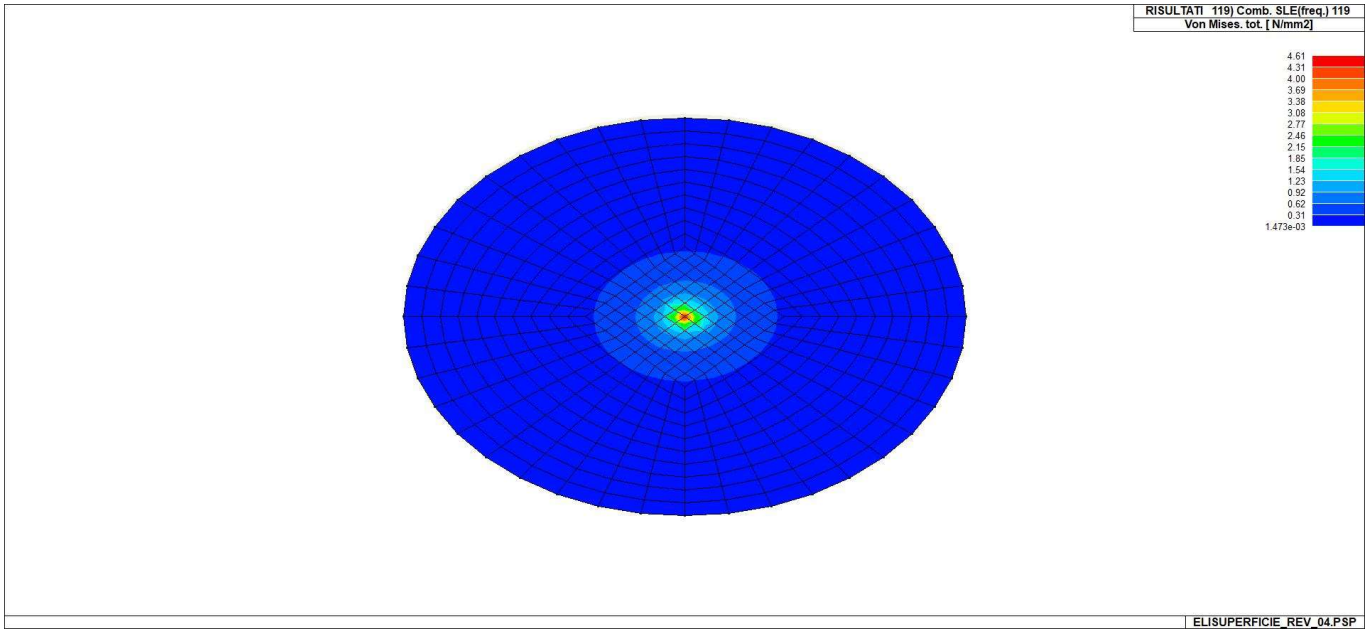


44_RIS_VONMISES_111_Comb. SLU (Accid.) 111

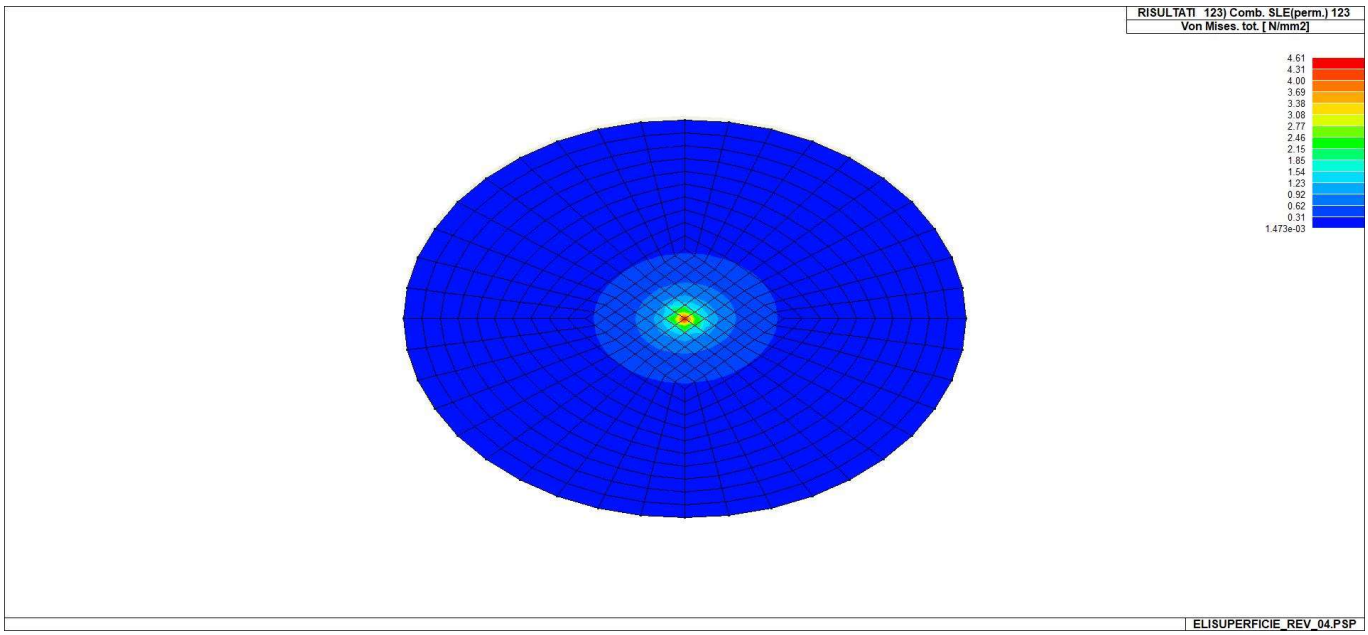


44_RIS_VONMISES_115_Comb. SLE(rara) 115

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44_RIS_VONMISES_119_Comb. SLE(freq.) 119



44_RIS_VONMISES_123_Comb. SLE(perm.) 123

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

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

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

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

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

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

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

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

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

Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattorei di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

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Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione " *Singolo Elemento …* " è presente una tabella con i simboli di seguito descritti:

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento
Id Criterio	Codice del criterio di progetto assegnato all'elemento
Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo Elemento NON DISSIPATIVO

Per gli elementi con progettazione " *Parete Sismica o Parete Debolmente Armata* " è presente una tabella con i simboli di seguito descritti:

Parete	Numero della PARETE SISMICA
Parete PDA	Numero della PARETE DEBOLMENTE ARMATA
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento (solo in Parete Sismica)
H critica V	Altezza della zona dissipativa (solo in Parete Sismica)
L totale	Larghezza di base della parete
L confinata	Lunghezza della zona dissipativa (solo in Parete Sismica)
Verif. N	Verifica di cui al punto 7.4.4.5.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.4
Verif. V	Verifica di cui al punto 7.4.4.5.1 taglio (compressione cls, trazione acciaio, scorrimento in zona critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)
Prog. composta	Sigla per la progettazione composta

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Per le verifiche degli elementi con progettazione " *Singolo Elemento …* " e *Progettazione Composta* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Nz No Nzo	Sforzi membranali per pareti e\o setti verticali
Mz Mo Mzo	Sforzi flessionali per pareti e\o setti verticali
Nx Ny Nxy	Sforzi membranali per gusci orizzontali
Mx Mx Mxy	Sforzi flessionali per gusci orizzontali

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Per le verifiche degli elementi con progettazione " *Parete Sismica o Parete Debolmente Armata* ", oltre alla tabella con le verifiche per gli elementi con progettazione " *Singolo Elemento …* ", è presente una tabella con i simboli di seguito descritti:

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata

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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
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura

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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

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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			
2	35.00	6	2	Singolo elemento

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Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x kN/ m	N y kN/ m	N xy kN/ m	M x kN	M y kN	M xy kN
1	ok	0.13	3.13e-02	1.32e-03	20.1	20.1	20.1	20.1	-0.3	-2.7	-2.8	2.9	3.1	4.1
2	ok	0.13	3.62e-02	1.52e-03	20.1	20.1	20.1	20.1	2.41e-02	-4.1	-3.3	1.9	4.3	5.0
3	ok	0.13	4.03e-02	1.65e-03	20.1	20.1	20.1	20.1	-0.5	-4.0	-3.9	2.7	2.9	6.4
4	ok	0.13	3.61e-02	1.47e-03	20.1	20.1	20.1	20.1	-0.8	-2.5	-3.3	4.1	2.0	5.1
5	ok	0.13	4.21e-02	1.77e-03	20.1	20.1	20.1	20.1	-1.4	-3.5	-4.4	4.0	1.31e-02	7.4
6	ok	0.13	3.96e-02	1.53e-03	20.1	20.1	20.1	20.1	-1.3	-2.0	-3.4	5.7	0.2	5.4
7	ok	0.13	4.15e-02	1.90e-03	20.1	20.1	20.1	20.1	-2.1	-2.6	-4.5	5.9	-4.2	7.0
8	ok	0.13	4.15e-02	1.61e-03	20.1	20.1	20.1	20.1	-1.5	-1.4	-3.2	7.5	-2.3	4.9
9	ok	0.13	4.18e-02	1.92e-03	20.1	20.1	20.1	20.1	-1.8	-1.8	-3.8	7.8	-8.3	4.6
10	ok	0.13	4.22e-02	1.56e-03	20.1	20.1	20.1	20.1	-1.1	-0.9	-2.8	9.0	-4.5	3.0
11	ok	0.13	4.55e-02	1.67e-03	20.1	20.1	20.1	20.1	-0.3	0.5	-3.0	8.7	-10.4	0.4
12	ok	0.13	4.22e-02	1.38e-03	20.1	20.1	20.1	20.1	-0.1	-0.1	-2.4	9.7	-5.6	0.3
13	ok	0.13	4.33e-02	1.27e-03	20.1	20.1	20.1	20.1	1.3	1.3	-3.7	8.0	-9.0	-4.0
14	ok	0.13	4.21e-02	1.13e-03	20.1	20.1	20.1	20.1	0.9	0.3	-2.7	9.2	-4.9	-2.6
15	ok	0.13	4.07e-02	1.09e-03	20.1	20.1	20.1	20.1	1.8	2.2	-4.4	6.1	-5.0	-6.8
16	ok	0.13	4.14e-02	9.80e-04	20.1	20.1	20.1	20.1	1.3	1.0	-3.1	7.8	-2.8	-4.6
17	ok	0.13	4.17e-02	1.14e-03	20.1	20.1	20.1	20.1	1.0	3.1	-4.4	4.1	-0.6	-7.4
18	ok	0.13	3.96e-02	1.01e-03	20.1	20.1	20.1	20.1	1.1	1.7	-3.4	5.9	-0.3	-5.4
19	ok	0.13	4.03e-02	1.10e-03	20.1	20.1	20.1	20.1	0.3	3.6	-3.9	2.8	2.6	-6.5
20	ok	0.13	3.64e-02	1.01e-03	20.1	20.1	20.1	20.1	0.7	2.5	-3.2	4.3	1.9	-5.1
21	ok	0.13	3.65e-02	1.01e-03	20.1	20.1	20.1	20.1	-0.2	3.6	-3.4	2.1	4.1	-5.1
22	ok	0.13	3.18e-02	1.01e-03	20.1	20.1	20.1	20.1	0.2	2.9	-2.9	3.0	3.0	-4.3
23	ok	0.13	3.96e-02	1.65e-03	20.1	20.1	20.1	20.1	0.6	-5.6	-3.3	-6.07e-03	5.9	5.3
24	ok	0.13	4.22e-02	1.86e-03	20.1	20.1	20.1	20.1	0.1	-6.1	-4.2	-0.3	4.3	7.3
25	ok	0.13	4.08e-02	2.05e-03	20.1	20.1	20.1	20.1	-0.9	-6.1	-5.4	-6.41e-02	0.3	9.1
26	ok	0.13	5.67e-02	2.39e-03	20.1	20.1	20.1	20.1	-3.1	-5.6	-7.1	1.2	-6.4	9.7
27	ok	0.13	7.27e-02	2.45e-03	20.1	20.1	20.1	20.1	-3.3	-6.1	-6.7	3.4	-14.0	7.1
28	ok	0.13	8.20e-02	2.14e-03	20.1	20.1	20.1	20.1	-0.7	5.6	-3.3	4.7	-18.8	0.6
29	ok	0.13	7.65e-02	1.63e-03	20.1	20.1	20.1	20.1	2.8	5.8	-6.8	3.6	-15.9	-5.9
30	ok	0.13	6.12e-02	1.38e-03	20.1	20.1	20.1	20.1	2.6	5.3	-7.2	1.2	-7.9	-9.7
31	ok	0.13	4.24e-02	1.30e-03	20.1	20.1	20.1	20.1	0.5	5.7	-5.3	-0.2	-0.6	-9.4
32	ok	0.13	4.17e-02	1.12e-03	20.1	20.1	20.1	20.1	-0.5	5.8	-4.2	-0.4	3.8	-7.5
33	ok	0.13	3.97e-02	9.95e-04	20.1	20.1	20.1	20.1	-0.9	5.5	-3.4	-9.82e-02	5.8	-5.5
34	ok	0.13	4.17e-02	1.79e-03	20.1	20.1	20.1	20.1	1.4	-7.3	-2.8	-2.4	7.7	4.6
35	ok	0.13	4.19e-02	2.09e-03	20.1	20.1	20.1	20.1	1.2	-8.5	-3.7	-4.4	6.2	6.8
36	ok	0.13	5.67e-02	2.42e-03	20.1	20.1	20.1	20.1	0.6	-9.8	-5.1	-6.8	1.7	9.6
37	ok	0.13	9.12e-02	2.92e-03	20.1	20.1	20.1	20.1	-1.6	-12.0	-8.3	-8.5	-8.1	12.7
38	ok	0.13	0.1	6.51e-03	20.1	20.1	20.1	20.1	-4.5	-0.9	-7.3	-7.4	-22.8	10.5
39	ok	0.13	0.2	7.73e-03	20.1	20.1	20.1	20.1	-3.3	51.7	8.0	-5.0	-37.3	0.6
40	ok	0.13	0.1	1.98e-03	20.1	20.1	20.1	20.1	12.8	26.9	-26.8	-8.1	-29.5	-8.8
41	ok	0.13	9.80e-02	1.67e-03	20.1	20.1	20.1	20.1	1.8	12.1	-8.3	-9.6	-10.1	-12.7
42	ok	0.13	6.11e-02	1.24e-03	20.1	20.1	20.1	20.1	-0.9	9.4	-5.2	-7.5	0.7	-9.9
43	ok	0.13	4.06e-02	1.03e-03	20.1	20.1	20.1	20.1	-1.6	8.1	-3.7	-4.8	5.8	-7.1
44	ok	0.13	4.15e-02	9.10e-04	20.1	20.1	20.1	20.1	-1.8	7.1	-2.8	-2.7	7.6	-4.9
45	ok	0.13	4.26e-02	1.82e-03	20.1	20.1	20.1	20.1	2.0	-8.6	-1.7	-4.5	9.2	2.8
46	ok	0.13	4.10e-02	2.22e-03	20.1	20.1	20.1	20.1	2.1	-10.5	-2.3	-8.3	8.1	4.2
47	ok	0.13	7.20e-02	2.80e-03	20.1	20.1	20.1	20.1	2.2	-13.0	-3.2	-14.5	4.1	6.4
48	ok	0.13	0.1	3.52e-03	20.1	20.1	20.1	20.1	3.1	-15.8	-5.5	-24.2	-6.5	10.1
49	ok	0.13	0.3	4.82e-03	20.1	20.1	20.1	20.1	19.8	-14.0	-18.6	-41.9	-43.9	24.2
50	ok	0.13	0.3	1.80e-02	20.1	20.1	20.1	20.1	7.4	97.7	-61.6	-35.6	-74.3	5.1
51	ok	0.13	0.3	4.27e-03	20.1	20.1	20.1	20.1	-11.1	22.7	-17.6	-44.6	-42.6	-18.1
52	ok	0.13	0.1	1.80e-03	20.1	20.1	20.1	20.1	-2.5	16.5	-6.1	-25.4	-8.7	-9.9
53	ok	0.13	7.68e-02	1.23e-03	20.1	20.1	20.1	20.1	-2.6	12.5	-3.3	-15.5	3.0	-6.6
54	ok	0.13	4.42e-02	9.90e-04	20.1	20.1	20.1	20.1	-2.6	10.1	-2.2	-9.0	7.7	-4.4
55	ok	0.13	4.22e-02	8.69e-04	20.1	20.1	20.1	20.1	-2.5	8.4	-1.6	-4.9	9.1	-2.9
56	ok	0.13	4.28e-02	1.70e-03	20.1	20.1	20.1	20.1	2.2	-9.1	-0.2	-5.3	9.7	-1.06e-02
57	ok	0.13	4.38e-02	2.07e-03	20.1	20.1	20.1	20.1	2.5	-11.0	9.05e-02	-10.1	8.8	6.94e-02
58	ok	0.13	7.84e-02	2.68e-03	20.1	20.1	20.1	20.1	2.6	-14.0	-0.1	-18.0	4.9	-0.2
59	ok	0.13	0.1	3.91e-03	20.1	20.1	20.1	20.1	2.0	-17.5	0.2	-32.1	-4.8	0.4
60	ok	0.13	0.3	7.21e-03	20.1	20.1	20.1	20.1	-1.7	-15.5	-1.5	-60.3	-30.5	1.1
61	ok	0.13	0.7	7.92e-03	20.1	20.1	20.1	20.1	1.5	46.0	22.8	-136.4	-139.4	-12.1
62	ok	0.13	0.3	5.38e-03	20.1	20.1	20.1	20.1	0.8	17.2	-2.7	-61.2	-34.9	-0.2
63	ok	0.13	0.1	2.01e-03	20.1	20.1	20.1	20.1	-2.9	17.1	-0.5	-33.6	-7.2	-0.4

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64	ok	0.13	8.33e-02	1.20e-03	20.1	20.1	20.1	20.1	-3.6	13.6	-0.2	-18.8	4.2	0.2
65	ok	0.13	4.72e-02	9.66e-04	20.1	20.1	20.1	20.1	-3.1	10.8	1.25e-02	-10.8	8.4	8.24e-02
66	ok	0.13	4.23e-02	8.56e-04	20.1	20.1	20.1	20.1	-2.8	8.8	4.00e-02	-5.8	9.7	-3.47e-02
67	ok	0.13	4.26e-02	1.82e-03	20.1	20.1	20.1	20.1	2.0	-8.6	1.7	-4.5	9.2	-2.8
68	ok	0.13	4.10e-02	2.22e-03	20.1	20.1	20.1	20.1	2.1	-10.5	2.3	-8.3	8.1	-4.2
69	ok	0.13	7.20e-02	2.80e-03	20.1	20.1	20.1	20.1	2.2	-13.0	3.2	-14.5	4.1	-6.4
70	ok	0.13	0.1	3.52e-03	20.1	20.1	20.1	20.1	3.1	-15.8	5.5	-24.2	-6.5	-10.1
71	ok	0.13	0.3	4.82e-03	20.1	20.1	20.1	20.1	19.8	-14.0	18.6	-41.9	-43.9	-24.2
72	ok	0.13	0.3	1.80e-02	20.1	20.1	20.1	20.1	7.4	97.7	61.6	-35.6	-74.3	-5.1
73	ok	0.13	0.3	4.27e-03	20.1	20.1	20.1	20.1	-11.1	22.7	17.6	-44.6	-42.6	18.1
74	ok	0.13	0.1	1.80e-03	20.1	20.1	20.1	20.1	-2.5	16.5	6.1	-25.4	-8.7	9.9
75	ok	0.13	7.68e-02	1.23e-03	20.1	20.1	20.1	20.1	-2.6	12.5	3.3	-15.5	3.0	6.6
76	ok	0.13	4.42e-02	9.89e-04	20.1	20.1	20.1	20.1	-2.6	10.1	2.2	-9.0	7.7	4.4
77	ok	0.13	4.22e-02	8.68e-04	20.1	20.1	20.1	20.1	-2.5	8.4	1.6	-4.9	9.1	2.9
78	ok	0.13	4.17e-02	1.79e-03	20.1	20.1	20.1	20.1	1.4	-7.3	2.8	-2.4	7.7	-4.6
79	ok	0.13	4.19e-02	2.09e-03	20.1	20.1	20.1	20.1	1.2	-8.5	3.7	-4.4	6.2	-6.8
80	ok	0.13	5.67e-02	2.42e-03	20.1	20.1	20.1	20.1	0.6	-9.8	5.1	-6.8	1.7	-9.6
81	ok	0.13	9.12e-02	2.92e-03	20.1	20.1	20.1	20.1	-1.6	-12.0	8.3	-8.5	-8.1	-12.7
82	ok	0.13	0.1	6.51e-03	20.1	20.1	20.1	20.1	-4.5	-0.9	7.3	-7.4	-22.8	-10.5
83	ok	0.13	0.2	7.73e-03	20.1	20.1	20.1	20.1	-3.3	51.7	-8.0	-5.0	-37.3	-0.6
84	ok	0.13	0.1	1.98e-03	20.1	20.1	20.1	20.1	12.8	26.9	26.8	-8.1	-29.5	8.8
85	ok	0.13	9.80e-02	1.67e-03	20.1	20.1	20.1	20.1	1.8	12.1	8.3	-9.6	-10.1	12.7
86	ok	0.13	6.11e-02	1.24e-03	20.1	20.1	20.1	20.1	-0.9	9.4	5.2	-7.5	0.7	9.9
87	ok	0.13	4.06e-02	1.03e-03	20.1	20.1	20.1	20.1	-1.6	8.1	3.7	-4.8	5.8	7.1
88	ok	0.13	4.15e-02	9.10e-04	20.1	20.1	20.1	20.1	-1.8	7.1	2.8	-2.7	7.6	4.9
89	ok	0.13	3.96e-02	1.65e-03	20.1	20.1	20.1	20.1	0.6	-5.6	3.3	-6.39e-03	5.9	-5.3
90	ok	0.13	4.22e-02	1.86e-03	20.1	20.1	20.1	20.1	0.1	-6.1	4.2	-0.3	4.3	-7.3
91	ok	0.13	4.08e-02	2.05e-03	20.1	20.1	20.1	20.1	-0.9	-6.1	5.4	-6.41e-02	0.3	-9.1
92	ok	0.13	5.67e-02	2.39e-03	20.1	20.1	20.1	20.1	-3.1	-5.6	7.1	1.2	-6.4	-9.7
93	ok	0.13	7.27e-02	2.45e-03	20.1	20.1	20.1	20.1	-3.3	-6.1	6.7	3.4	-14.0	-7.1
94	ok	0.13	8.20e-02	2.14e-03	20.1	20.1	20.1	20.1	-0.7	5.6	3.3	4.7	-18.8	-0.6
95	ok	0.13	7.65e-02	1.63e-03	20.1	20.1	20.1	20.1	2.8	5.8	6.8	3.6	-15.9	5.9
96	ok	0.13	6.12e-02	1.38e-03	20.1	20.1	20.1	20.1	2.6	5.3	7.2	1.2	-7.9	9.7
97	ok	0.13	4.24e-02	1.30e-03	20.1	20.1	20.1	20.1	0.5	5.7	5.3	-0.2	-0.6	9.4
98	ok	0.13	4.17e-02	1.12e-03	20.1	20.1	20.1	20.1	-0.5	5.7	4.2	-0.4	3.8	7.5
99	ok	0.13	3.97e-02	9.96e-04	20.1	20.1	20.1	20.1	-0.9	5.5	3.4	-9.76e-02	5.8	5.5
100	ok	0.13	3.62e-02	1.52e-03	20.1	20.1	20.1	20.1	1.78e-02	-4.1	3.3	1.9	4.3	-5.0
101	ok	0.13	4.03e-02	1.65e-03	20.1	20.1	20.1	20.1	-0.5	-4.0	3.9	2.7	2.9	-6.4
102	ok	0.13	4.21e-02	1.77e-03	20.1	20.1	20.1	20.1	-1.4	-3.5	4.4	4.0	1.32e-02	-7.4
103	ok	0.13	4.15e-02	1.90e-03	20.1	20.1	20.1	20.1	-2.1	-2.6	4.5	5.9	-4.2	-7.0
104	ok	0.13	4.18e-02	1.92e-03	20.1	20.1	20.1	20.1	-1.8	-1.8	3.8	7.8	-8.3	-4.6
105	ok	0.13	4.55e-02	1.67e-03	20.1	20.1	20.1	20.1	-0.3	0.5	3.0	8.7	-10.4	-0.4
106	ok	0.13	4.33e-02	1.27e-03	20.1	20.1	20.1	20.1	1.3	1.3	3.7	8.0	-9.0	4.0
107	ok	0.13	4.07e-02	1.09e-03	20.1	20.1	20.1	20.1	1.8	2.2	4.4	6.1	-5.0	6.8
108	ok	0.13	4.17e-02	1.14e-03	20.1	20.1	20.1	20.1	1.0	3.1	4.4	4.1	-0.6	7.4
109	ok	0.13	4.03e-02	1.10e-03	20.1	20.1	20.1	20.1	0.3	3.6	3.9	2.8	2.6	6.5
110	ok	0.13	3.65e-02	1.02e-03	20.1	20.1	20.1	20.1	-0.2	3.6	3.4	2.1	4.1	5.1
111	ok	0.13	3.13e-02	1.32e-03	20.1	20.1	20.1	20.1	-0.3	-2.8	2.8	2.9	3.1	-4.1
112	ok	0.13	3.61e-02	1.47e-03	20.1	20.1	20.1	20.1	-0.8	-2.5	3.3	4.1	2.0	-5.1
113	ok	0.13	3.96e-02	1.53e-03	20.1	20.1	20.1	20.1	-1.3	-2.0	3.4	5.7	0.2	-5.4
114	ok	0.13	4.15e-02	1.61e-03	20.1	20.1	20.1	20.1	-1.5	-1.4	3.2	7.5	-2.3	-4.9
115	ok	0.13	4.22e-02	1.56e-03	20.1	20.1	20.1	20.1	-1.1	-0.9	2.8	9.0	-4.5	-3.0
116	ok	0.13	4.22e-02	1.38e-03	20.1	20.1	20.1	20.1	-0.1	-0.1	2.4	9.7	-5.6	-0.3
117	ok	0.13	4.21e-02	1.13e-03	20.1	20.1	20.1	20.1	0.9	0.3	2.7	9.2	-4.9	2.6
118	ok	0.13	4.14e-02	9.80e-04	20.1	20.1	20.1	20.1	1.3	1.0	3.1	7.8	-2.8	4.6
119	ok	0.13	3.96e-02	1.01e-03	20.1	20.1	20.1	20.1	1.1	1.7	3.4	5.9	-0.3	5.4
120	ok	0.13	3.64e-02	1.01e-03	20.1	20.1	20.1	20.1	0.6	2.5	3.2	4.3	1.9	5.1
121	ok	0.13	3.18e-02	1.02e-03	20.1	20.1	20.1	20.1	0.3	2.5	3.1	3.1	2.9	4.3
122	ok	0.13	3.56e-02	1.16e-03	20.1	20.1	20.1	20.1	4.25e-02	4.43e-02	1.5	8.2	-1.9	-0.1
123	ok	0.13	3.51e-02	1.01e-03	20.1	20.1	20.1	20.1	0.7	0.3	1.7	7.8	-1.6	1.7
124	ok	0.13	2.51e-02	9.78e-04	20.1	20.1	20.1	20.1	7.13e-02	5.74e-02	1.1	5.8	-0.4	-7.03e-02
125	ok	0.13	2.46e-02	8.73e-04	20.1	20.1	20.1	20.1	0.6	0.2	1.3	5.5	-0.2	1.0
126	ok	0.13	1.54e-02	8.36e-04	20.1	20.1	20.1	20.1	1.62e-02	-0.2	1.1	3.5	0.2	-3.42e-02
127	ok	0.13	1.51e-02	7.57e-04	20.1	20.1	20.1	20.1	0.4	-0.2	1.0	3.4	0.2	0.6
128	ok	0.13	8.69e-03	7.11e-04	20.1	20.1	20.1	20.1	3.59e-02	-0.2	0.9	1.9	0.3	-2.13e-02

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Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

129	ok	0.13	9.39e-03	6.80e-04	20.1	20.1	20.1	20.1	0.3	-0.3	0.7	1.8	0.3	0.3
130	ok	0.13	5.30e-03	6.25e-04	20.1	20.1	20.1	20.1	4.89e-02	-0.2	0.7	0.8	0.2	-1.47e-02
131	ok	0.13	5.75e-03	6.34e-04	20.1	20.1	20.1	20.1	0.2	-0.4	0.5	0.8	0.2	0.1
132	ok	0.13	3.50e-03	5.73e-04	20.1	20.1	20.1	20.1	5.72e-02	-0.2	0.5	0.2	0.1	-1.20e-02
133	ok	0.13	3.44e-03	5.97e-04	20.1	20.1	20.1	20.1	-0.4	0.7	-3.4	0.2	0.1	5.30e-02
134	ok	0.13	3.05e-03	5.24e-04	20.1	20.1	20.1	20.1	-0.3	0.3	-2.9	2.19e-02	0.1	4.54e-02
135	ok	0.13	3.22e-03	5.46e-04	20.1	20.1	20.1	20.1	-0.3	0.8	-2.8	9.14e-02	9.43e-02	4.20e-02
136	ok	0.13	2.87e-03	4.74e-04	20.1	20.1	20.1	20.1	-8.33e-04	-1.2	-1.9	-2.45e-02	0.1	5.53e-02
137	ok	0.13	2.98e-03	4.95e-04	20.1	20.1	20.1	20.1	0.3	-0.7	3.0	-0.1	-6.24e-02	-7.51e-02
138	ok	0.13	2.58e-03	4.30e-04	20.1	20.1	20.1	20.1	-0.2	0.4	-0.8	9.19e-03	0.2	5.09e-02
139	ok	0.13	2.66e-03	4.51e-04	20.1	20.1	20.1	20.1	-0.1	1.9	0.7	-4.94e-03	5.20e-02	-0.3
140	ok	0.13	2.33e-03	4.14e-04	20.1	20.1	20.1	20.1	-3.46e-02	0.5	-0.7	7.96e-03	6.07e-02	4.60e-02
141	ok	0.13	2.38e-03	4.61e-04	20.1	20.1	20.1	20.1	-0.2	3.3	0.5	-1.65e-02	5.93e-02	-4.94e-02
142	ok	0.13	3.34e-02	8.95e-04	20.1	20.1	20.1	20.1	1.0	0.7	2.1	6.6	-0.4	3.0
143	ok	0.13	2.31e-02	8.07e-04	20.1	20.1	20.1	20.1	0.7	0.2	1.6	4.7	0.4	1.8
144	ok	0.13	1.47e-02	7.53e-04	20.1	20.1	20.1	20.1	0.6	-6.98e-02	1.3	2.9	0.5	1.0
145	ok	0.13	9.48e-03	7.09e-04	20.1	20.1	20.1	20.1	0.4	-0.2	1.0	1.6	0.4	0.5
146	ok	0.13	5.93e-03	6.47e-04	20.1	20.1	20.1	20.1	0.3	-0.4	0.7	0.7	0.3	0.2
147	ok	0.13	3.51e-03	5.95e-04	20.1	20.1	20.1	20.1	-0.4	0.7	-3.5	0.3	0.1	6.05e-02
148	ok	0.13	3.78e-03	5.60e-04	20.1	20.1	20.1	20.1	-0.6	0.3	-3.2	0.1	0.2	2.94e-02
149	ok	0.13	3.42e-03	5.06e-04	20.1	20.1	20.1	20.1	0.5	-0.5	3.1	-0.2	-0.2	-8.21e-02
150	ok	0.13	2.98e-03	4.62e-04	20.1	20.1	20.1	20.1	0.3	-0.6	2.1	-0.1	-0.2	-7.88e-02
151	ok	0.13	2.27e-03	4.81e-04	20.1	20.1	20.1	20.1	-0.2	2.9	0.7	2.05e-02	-2.18e-03	-4.58e-02
152	ok	0.13	3.07e-02	8.85e-04	20.1	20.1	20.1	20.1	0.7	0.9	2.6	5.1	1.0	3.4
153	ok	0.13	2.08e-02	8.19e-04	20.1	20.1	20.1	20.1	0.7	0.5	1.9	3.6	1.0	2.1
154	ok	0.13	1.40e-02	7.63e-04	20.1	20.1	20.1	20.1	0.5	0.2	1.5	2.3	0.8	1.1
155	ok	0.13	9.17e-03	7.22e-04	20.1	20.1	20.1	20.1	0.4	-9.20e-02	1.2	1.2	0.5	0.5
156	ok	0.13	5.94e-03	6.59e-04	20.1	20.1	20.1	20.1	-0.2	0.3	-4.1	0.6	0.2	0.2
157	ok	0.13	4.05e-03	6.09e-04	20.1	20.1	20.1	20.1	-0.3	0.4	-3.6	0.4	0.2	6.01e-02
158	ok	0.13	4.40e-03	5.58e-04	20.1	20.1	20.1	20.1	0.6	-1.9	-2.2	7.14e-02	0.7	1.35e-02
159	ok	0.13	5.08e-03	4.99e-04	20.1	20.1	20.1	20.1	-0.3	-2.6	-2.1	0.3	0.7	9.52e-04
160	ok	0.13	4.77e-03	4.99e-04	20.1	20.1	20.1	20.1	-0.3	-2.9	0.8	1.71e-02	0.8	6.33e-02
161	ok	0.13	3.10e-03	4.74e-04	20.1	20.1	20.1	20.1	7.50e-02	1.9	0.7	2.20e-02	-7.06e-03	-0.4
162	ok	0.13	2.70e-02	8.82e-04	20.1	20.1	20.1	20.1	0.4	1.5	2.7	3.7	2.0	3.3
163	ok	0.13	1.91e-02	8.23e-04	20.1	20.1	20.1	20.1	0.4	1.0	2.1	2.6	1.5	2.0
164	ok	0.13	1.33e-02	7.72e-04	20.1	20.1	20.1	20.1	0.3	0.5	1.7	1.6	1.0	1.1
165	ok	0.13	8.65e-03	7.32e-04	20.1	20.1	20.1	20.1	0.2	0.5	1.4	0.9	0.6	0.5
166	ok	0.13	5.75e-03	7.03e-04	20.1	20.1	20.1	20.1	-0.3	0.3	-3.3	0.6	0.2	0.2
167	ok	0.13	4.18e-03	6.43e-04	20.1	20.1	20.1	20.1	-0.4	0.3	-3.0	0.5	0.1	5.15e-02
168	ok	0.13	4.40e-03	5.86e-04	20.1	20.1	20.1	20.1	-7.96e-02	-0.1	-2.6	0.4	8.55e-02	1.18e-02
169	ok	0.13	3.89e-03	5.67e-04	20.1	20.1	20.1	20.1	-1.0	-1.0	-2.2	-1.64e-02	0.3	-6.50e-03
170	ok	0.13	3.52e-03	5.13e-04	20.1	20.1	20.1	20.1	-0.6	-1.6	2.3	2.37e-02	1.06e-02	-0.5
171	ok	0.13	2.05e-03	4.67e-04	20.1	20.1	20.1	20.1	-0.7	-2.9	1.2	0.2	-1.88e-02	-1.94e-02
172	ok	0.13	2.31e-02	8.97e-04	20.1	20.1	20.1	20.1	0.2	1.8	2.5	2.5	2.5	2.8
173	ok	0.13	1.69e-02	8.59e-04	20.1	20.1	20.1	20.1	3.85e-02	1.2	2.2	1.8	1.7	1.6
174	ok	0.13	1.18e-02	8.03e-04	20.1	20.1	20.1	20.1	-5.28e-02	0.8	1.9	1.1	1.1	0.9
175	ok	0.13	7.90e-03	7.51e-04	20.1	20.1	20.1	20.1	-0.2	0.7	1.7	0.6	0.6	0.4
176	ok	0.13	4.65e-03	7.12e-04	20.1	20.1	20.1	20.1	0.5	-0.5	-2.9	0.2	0.7	0.1
177	ok	0.13	3.73e-03	6.91e-04	20.1	20.1	20.1	20.1	0.1	0.2	-2.5	0.3	0.1	2.45e-02
178	ok	0.13	4.81e-03	6.43e-04	20.1	20.1	20.1	20.1	-0.8	-0.8	3.4	-0.3	-6.68e-02	-7.95e-02
179	ok	0.13	4.49e-03	5.93e-04	20.1	20.1	20.1	20.1	0.1	-8.01e-02	3.3	-6.08e-02	-0.6	-8.00e-02
180	ok	0.13	4.07e-03	5.38e-04	20.1	20.1	20.1	20.1	-0.2	-3.61e-02	2.6	-4.30e-02	-0.6	-5.84e-02
181	ok	0.13	2.71e-03	4.89e-04	20.1	20.1	20.1	20.1	0.3	1.1	-0.4	-0.4	-0.2	2.50e-04
182	ok	0.13	2.71e-02	9.18e-04	20.1	20.1	20.1	20.1	-0.4	2.9	2.8	2.0	3.6	3.3
183	ok	0.13	1.94e-02	8.54e-04	20.1	20.1	20.1	20.1	-0.4	2.2	2.3	1.6	2.6	2.0
184	ok	0.13	1.35e-02	8.04e-04	20.1	20.1	20.1	20.1	-0.4	1.5	2.0	1.0	1.6	1.1
185	ok	0.13	8.89e-03	7.73e-04	20.1	20.1	20.1	20.1	-0.5	1.0	1.8	0.6	0.9	0.5
186	ok	0.13	5.91e-03	7.30e-04	20.1	20.1	20.1	20.1	6.01e-02	0.1	-3.3	0.2	0.6	0.2
187	ok	0.13	4.29e-03	6.90e-04	20.1	20.1	20.1	20.1	0.1	-7.86e-02	-3.0	0.1	0.5	6.06e-02
188	ok	0.13	4.62e-03	6.41e-04	20.1	20.1	20.1	20.1	-0.9	0.4	4.0	-5.19e-02	-0.4	-6.50e-02
189	ok	0.13	3.90e-03	5.97e-04	20.1	20.1	20.1	20.1	-1.2	0.4	3.8	-7.37e-02	-0.2	-7.73e-02
190	ok	0.13	3.46e-03	5.53e-04	20.1	20.1	20.1	20.1	-1.1	-0.1	3.1	-6.57e-02	-0.4	-5.78e-02
191	ok	0.13	1.86e-03	4.74e-04	20.1	20.1	20.1	20.1	2.0	-2.61e-02	-0.3	2.24e-02	-0.2	-1.03e-02
192	ok	0.13	3.09e-02	8.96e-04	20.1	20.1	20.1	20.1	-1.1	4.2	2.6	1.1	5.0	3.5
193	ok	0.13	2.14e-02	8.37e-04	20.1	20.1	20.1	20.1	-0.9	3.2	2.1	1.1	3.6	2.1

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Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

194	ok	0.13	1.47e-02	7.92e-04	20.1	20.1	20.1	20.1	-1.0	2.5	1.8	0.8	2.3	1.2
195	ok	0.13	9.65e-03	7.61e-04	20.1	20.1	20.1	20.1	-0.9	1.7	1.7	0.5	1.2	0.5
196	ok	0.13	6.15e-03	7.09e-04	20.1	20.1	20.1	20.1	-1.0	1.2	1.5	0.3	0.6	0.2
197	ok	0.13	4.22e-03	6.64e-04	20.1	20.1	20.1	20.1	-0.5	0.8	-2.7	0.3	0.2	5.79e-02
198	ok	0.13	4.47e-03	6.20e-04	20.1	20.1	20.1	20.1	-2.2	1.1	-2.1	0.6	5.84e-02	2.23e-02
199	ok	0.13	5.18e-03	5.86e-04	20.1	20.1	20.1	20.1	1.2	0.6	2.9	-0.7	-0.3	-5.53e-02
200	ok	0.13	4.71e-03	5.50e-04	20.1	20.1	20.1	20.1	1.3	0.3	-0.2	-0.7	-4.38e-02	-0.1
201	ok	0.13	3.03e-03	5.10e-04	20.1	20.1	20.1	20.1	1.3	5.39e-02	1.1	2.74e-02	1.79e-02	-0.4
202	ok	0.13	3.38e-02	8.45e-04	20.1	20.1	20.1	20.1	-1.6	5.2	2.2	-0.4	6.6	3.1
203	ok	0.13	2.35e-02	7.94e-04	20.1	20.1	20.1	20.1	-1.5	4.1	1.7	0.4	4.7	1.8
204	ok	0.13	1.58e-02	7.52e-04	20.1	20.1	20.1	20.1	-1.5	3.2	1.4	0.5	2.9	1.0
205	ok	0.13	1.02e-02	7.19e-04	20.1	20.1	20.1	20.1	-1.5	2.6	1.1	0.4	1.6	0.5
206	ok	0.13	6.33e-03	6.89e-04	20.1	20.1	20.1	20.1	-1.4	1.7	1.2	0.2	0.7	0.2
207	ok	0.13	3.73e-03	6.56e-04	20.1	20.1	20.1	20.1	-0.6	0.9	-3.0	0.2	0.2	5.51e-02
208	ok	0.13	3.85e-03	6.19e-04	20.1	20.1	20.1	20.1	-0.7	0.6	-2.2	0.2	6.46e-02	2.86e-02
209	ok	0.13	3.44e-03	5.78e-04	20.1	20.1	20.1	20.1	-1.4	0.9	3.3	-0.1	-0.2	-8.60e-02
210	ok	0.13	2.98e-03	5.37e-04	20.1	20.1	20.1	20.1	-2.7	0.1	1.8	-1.74e-02	-6.38e-02	-0.3
211	ok	0.13	1.75e-03	5.51e-04	20.1	20.1	20.1	20.1	2.0	-0.1	1.0	2.96e-02	1.19e-02	-4.87e-02
212	ok	0.13	3.56e-02	7.90e-04	20.1	20.1	20.1	20.1	-2.1	6.2	1.3	-1.6	7.8	1.8
213	ok	0.13	2.52e-02	7.32e-04	20.1	20.1	20.1	20.1	-1.9	4.8	1.1	-0.2	5.6	1.1
214	ok	0.13	1.60e-02	7.02e-04	20.1	20.1	20.1	20.1	-1.8	3.8	0.7	0.2	3.5	0.6
215	ok	0.13	1.03e-02	6.72e-04	20.1	20.1	20.1	20.1	-1.8	3.0	0.5	0.3	1.9	0.3
216	ok	0.13	6.27e-03	6.51e-04	20.1	20.1	20.1	20.1	-1.8	2.3	0.4	0.2	0.8	0.1
217	ok	0.13	3.67e-03	6.29e-04	20.1	20.1	20.1	20.1	-0.2	0.7	-3.5	0.1	0.3	5.93e-02
218	ok	0.13	3.21e-03	6.02e-04	20.1	20.1	20.1	20.1	-1.66e-02	0.5	-2.8	6.79e-02	8.39e-02	4.72e-02
219	ok	0.13	2.78e-03	5.71e-04	20.1	20.1	20.1	20.1	-1.8	0.9	3.1	-4.22e-02	-0.1	-7.36e-02
220	ok	0.13	2.23e-03	5.41e-04	20.1	20.1	20.1	20.1	1.0	0.1	0.8	1.94e-02	-1.96e-02	-0.3
221	ok	0.13	1.74e-03	5.59e-04	20.1	20.1	20.1	20.1	-2.0	4.35e-02	1.1	1.22e-02	-1.68e-02	-6.72e-02
222	ok	0.13	3.61e-02	7.91e-04	20.1	20.1	20.1	20.1	-2.3	6.5	-3.45e-02	-2.0	8.3	1.71e-02
223	ok	0.13	2.57e-02	7.11e-04	20.1	20.1	20.1	20.1	-2.1	5.1	-8.74e-02	-0.5	5.9	1.47e-02
224	ok	0.13	1.59e-02	6.51e-04	20.1	20.1	20.1	20.1	-2.0	3.9	-0.1	9.57e-02	3.7	1.27e-02
225	ok	0.13	9.73e-03	6.16e-04	20.1	20.1	20.1	20.1	-1.9	3.1	-0.2	0.2	2.0	1.06e-02
226	ok	0.13	5.91e-03	6.03e-04	20.1	20.1	20.1	20.1	-1.8	2.3	-0.2	0.2	0.9	8.72e-03
227	ok	0.13	3.46e-03	5.86e-04	20.1	20.1	20.1	20.1	-1.8	1.7	0.2	0.1	0.3	-7.44e-03
228	ok	0.13	2.69e-03	5.70e-04	20.1	20.1	20.1	20.1	-0.7	0.6	-3.1	0.1	1.61e-02	4.90e-02
229	ok	0.13	2.39e-03	5.50e-04	20.1	20.1	20.1	20.1	-2.2	0.6	-2.1	0.1	-3.84e-02	5.98e-02
230	ok	0.13	1.97e-03	5.31e-04	20.1	20.1	20.1	20.1	-1.8	0.3	0.6	-9.23e-02	-5.21e-02	-4.99e-02
231	ok	0.13	1.51e-03	5.29e-04	20.1	20.1	20.1	20.1	-2.0	0.2	0.7	1.07e-02	-2.31e-02	-4.64e-02
232	ok	0.13	3.56e-02	7.90e-04	20.1	20.1	20.1	20.1	-2.1	6.2	-1.3	-1.6	7.8	-1.8
233	ok	0.13	2.52e-02	7.32e-04	20.1	20.1	20.1	20.1	-1.9	4.8	-1.1	-0.2	5.6	-1.1
234	ok	0.13	1.60e-02	7.02e-04	20.1	20.1	20.1	20.1	-1.8	3.8	-0.7	0.2	3.5	-0.6
235	ok	0.13	1.03e-02	6.72e-04	20.1	20.1	20.1	20.1	-1.8	3.0	-0.5	0.3	1.9	-0.3
236	ok	0.13	6.26e-03	6.51e-04	20.1	20.1	20.1	20.1	-1.8	2.3	-0.4	0.2	0.8	-0.1
237	ok	0.13	3.67e-03	6.29e-04	20.1	20.1	20.1	20.1	-1.7	1.5	-0.7	0.1	0.3	-1.59e-02
238	ok	0.13	3.21e-03	6.02e-04	20.1	20.1	20.1	20.1	-0.6	0.6	2.5	0.1	3.45e-02	-3.45e-02
239	ok	0.13	2.78e-03	5.71e-04	20.1	20.1	20.1	20.1	-1.8	0.9	-3.1	-4.22e-02	-0.1	7.36e-02
240	ok	0.13	2.23e-03	5.41e-04	20.1	20.1	20.1	20.1	1.0	0.1	-0.8	1.94e-02	-1.96e-02	0.3
241	ok	0.13	1.74e-03	5.59e-04	20.1	20.1	20.1	20.1	-2.0	4.36e-02	-1.1	1.22e-02	-1.68e-02	6.72e-02
242	ok	0.13	3.38e-02	8.45e-04	20.1	20.1	20.1	20.1	-1.6	5.2	-2.2	-0.4	6.6	-3.1
243	ok	0.13	2.35e-02	7.94e-04	20.1	20.1	20.1	20.1	-1.5	4.1	-1.7	0.4	4.7	-1.8
244	ok	0.13	1.57e-02	7.52e-04	20.1	20.1	20.1	20.1	-1.5	3.3	-1.4	0.5	2.9	-1.0
245	ok	0.13	1.02e-02	7.19e-04	20.1	20.1	20.1	20.1	-1.5	2.6	-1.1	0.4	1.6	-0.5
246	ok	0.13	6.33e-03	6.89e-04	20.1	20.1	20.1	20.1	-1.4	1.7	-1.2	0.2	0.7	-0.2
247	ok	0.13	3.73e-03	6.56e-04	20.1	20.1	20.1	20.1	-0.6	0.9	3.0	0.2	0.2	-5.51e-02
248	ok	0.13	3.85e-03	6.19e-04	20.1	20.1	20.1	20.1	-0.7	0.6	2.2	0.2	6.46e-02	-2.86e-02
249	ok	0.13	3.44e-03	5.78e-04	20.1	20.1	20.1	20.1	-1.4	0.9	-3.3	-0.1	-0.2	8.60e-02
250	ok	0.13	2.98e-03	5.37e-04	20.1	20.1	20.1	20.1	-1.3	-0.2	-1.5	-0.2	-2.26e-02	6.50e-02
251	ok	0.13	1.75e-03	5.51e-04	20.1	20.1	20.1	20.1	2.0	-0.1	-1.0	2.96e-02	1.19e-02	4.87e-02
252	ok	0.13	3.09e-02	8.96e-04	20.1	20.1	20.1	20.1	-1.1	4.1	-2.6	1.1	5.0	-3.5
253	ok	0.13	2.14e-02	8.38e-04	20.1	20.1	20.1	20.1	-0.9	3.2	-2.1	1.1	3.6	-2.1
254	ok	0.13	1.47e-02	7.92e-04	20.1	20.1	20.1	20.1	-1.0	2.5	-1.8	0.8	2.3	-1.2
255	ok	0.13	9.65e-03	7.61e-04	20.1	20.1	20.1	20.1	-0.9	1.7	-1.7	0.5	1.2	-0.5
256	ok	0.13	6.15e-03	7.09e-04	20.1	20.1	20.1	20.1	-1.0	1.1	-1.5	0.3	0.6	-0.2
257	ok	0.13	4.22e-03	6.64e-04	20.1	20.1	20.1	20.1	-0.5	0.8	2.7	0.3	0.2	-5.79e-02
258	ok	0.13	4.47e-03	6.20e-04	20.1	20.1	20.1	20.1	-2.2	1.1	2.1	0.6	5.84e-02	-2.23e-02

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259	ok	0.13	5.18e-03	5.86e-04	20.1	20.1	20.1	20.1	1.2	0.6	-2.9	-0.7	-0.3	5.53e-02
260	ok	0.13	4.71e-03	5.50e-04	20.1	20.1	20.1	20.1	1.3	0.3	0.2	-0.7	-4.38e-02	0.1
261	ok	0.13	3.03e-03	5.10e-04	20.1	20.1	20.1	20.1	1.3	5.39e-02	-1.1	2.74e-02	1.79e-02	0.4
262	ok	0.13	2.71e-02	9.18e-04	20.1	20.1	20.1	20.1	-0.4	2.9	-2.8	2.0	3.6	-3.3
263	ok	0.13	1.94e-02	8.55e-04	20.1	20.1	20.1	20.1	-0.4	2.2	-2.3	1.6	2.6	-2.0
264	ok	0.13	1.35e-02	8.05e-04	20.1	20.1	20.1	20.1	-0.4	1.5	-2.0	1.0	1.6	-1.1
265	ok	0.13	8.89e-03	7.73e-04	20.1	20.1	20.1	20.1	-0.5	1.0	-1.8	0.6	0.9	-0.5
266	ok	0.13	5.91e-03	7.30e-04	20.1	20.1	20.1	20.1	6.04e-02	0.1	3.3	0.2	0.6	-0.2
267	ok	0.13	4.29e-03	6.90e-04	20.1	20.1	20.1	20.1	0.1	-7.78e-02	3.0	0.1	0.5	-6.06e-02
268	ok	0.13	4.62e-03	6.41e-04	20.1	20.1	20.1	20.1	-0.9	0.4	-4.0	-5.19e-02	-0.4	6.50e-02
269	ok	0.13	3.90e-03	5.97e-04	20.1	20.1	20.1	20.1	-0.8	-0.8	-2.8	-0.4	-7.99e-02	7.96e-02
270	ok	0.13	3.46e-03	5.53e-04	20.1	20.1	20.1	20.1	-1.1	-0.1	-3.1	-6.57e-02	-0.4	5.78e-02
271	ok	0.13	1.86e-03	4.74e-04	20.1	20.1	20.1	20.1	2.0	-2.61e-02	0.3	2.24e-02	-0.2	1.03e-02
272	ok	0.13	2.31e-02	8.99e-04	20.1	20.1	20.1	20.1	0.1	1.7	-2.6	2.5	2.4	-2.8
273	ok	0.13	1.69e-02	8.57e-04	20.1	20.1	20.1	20.1	3.77e-02	1.2	-2.2	1.8	1.7	-1.6
274	ok	0.13	1.18e-02	8.02e-04	20.1	20.1	20.1	20.1	-5.30e-02	0.7	-1.9	1.1	1.1	-0.9
275	ok	0.13	7.90e-03	7.51e-04	20.1	20.1	20.1	20.1	-0.2	0.7	-1.7	0.6	0.6	-0.4
276	ok	0.13	4.65e-03	7.12e-04	20.1	20.1	20.1	20.1	0.5	-0.5	2.9	0.2	0.7	-0.1
277	ok	0.13	3.73e-03	6.91e-04	20.1	20.1	20.1	20.1	0.1	0.2	2.5	0.3	0.1	-2.45e-02
278	ok	0.13	4.81e-03	6.43e-04	20.1	20.1	20.1	20.1	-1.6	-0.3	2.6	0.5	-1.17e-02	-9.85e-03
279	ok	0.13	4.49e-03	5.93e-04	20.1	20.1	20.1	20.1	0.1	-8.03e-02	-3.3	-6.08e-02	-0.6	8.00e-02
280	ok	0.13	4.07e-03	5.38e-04	20.1	20.1	20.1	20.1	-0.2	-3.61e-02	-2.6	-4.30e-02	-0.6	5.84e-02
281	ok	0.13	2.71e-03	4.89e-04	20.1	20.1	20.1	20.1	0.3	1.1	0.4	-0.4	-0.2	-2.50e-04
282	ok	0.13	2.70e-02	8.82e-04	20.1	20.1	20.1	20.1	0.4	1.5	-2.7	3.7	2.0	-3.3
283	ok	0.13	1.91e-02	8.23e-04	20.1	20.1	20.1	20.1	0.4	0.9	-2.1	2.6	1.5	-2.0
284	ok	0.13	1.33e-02	7.72e-04	20.1	20.1	20.1	20.1	0.3	0.5	-1.7	1.6	1.0	-1.1
285	ok	0.13	8.65e-03	7.32e-04	20.1	20.1	20.1	20.1	0.2	0.6	-1.4	0.9	0.6	-0.5
286	ok	0.13	5.75e-03	7.03e-04	20.1	20.1	20.1	20.1	-0.3	0.3	3.3	0.6	0.2	-0.2
287	ok	0.13	4.18e-03	6.43e-04	20.1	20.1	20.1	20.1	-0.4	0.3	3.0	0.5	0.1	-5.14e-02
288	ok	0.13	4.40e-03	5.86e-04	20.1	20.1	20.1	20.1	-7.96e-02	-0.1	2.6	0.4	8.55e-02	-1.18e-02
289	ok	0.13	3.89e-03	5.67e-04	20.1	20.1	20.1	20.1	-7.47e-02	-0.4	-3.8	-0.4	-4.20e-02	9.57e-02
290	ok	0.13	3.52e-03	5.13e-04	20.1	20.1	20.1	20.1	-0.6	-1.6	-2.3	2.37e-02	1.06e-02	0.5
291	ok	0.13	2.05e-03	4.67e-04	20.1	20.1	20.1	20.1	-0.7	-2.9	-1.2	0.2	-1.88e-02	1.94e-02
292	ok	0.13	3.07e-02	8.84e-04	20.1	20.1	20.1	20.1	0.8	0.9	-2.6	5.1	1.0	-3.4
293	ok	0.13	2.08e-02	8.18e-04	20.1	20.1	20.1	20.1	0.7	0.5	-1.9	3.6	1.0	-2.1
294	ok	0.13	1.40e-02	7.62e-04	20.1	20.1	20.1	20.1	0.5	0.2	-1.5	2.3	0.8	-1.1
295	ok	0.13	9.17e-03	7.22e-04	20.1	20.1	20.1	20.1	0.4	-9.29e-02	-1.2	1.2	0.5	-0.5
296	ok	0.13	5.94e-03	6.59e-04	20.1	20.1	20.1	20.1	-0.2	0.3	4.1	0.6	0.2	-0.2
297	ok	0.13	4.05e-03	6.09e-04	20.1	20.1	20.1	20.1	-0.5	-0.6	3.5	0.3	0.3	-3.49e-02
298	ok	0.13	4.40e-03	5.58e-04	20.1	20.1	20.1	20.1	0.6	-1.9	2.2	7.14e-02	0.7	-1.35e-02
299	ok	0.13	5.08e-03	4.99e-04	20.1	20.1	20.1	20.1	-0.3	-2.6	2.1	0.3	0.7	-9.51e-04
300	ok	0.13	4.77e-03	4.99e-04	20.1	20.1	20.1	20.1	-0.3	-2.9	-0.8	1.71e-02	0.8	-6.33e-02
301	ok	0.13	3.10e-03	4.74e-04	20.1	20.1	20.1	20.1	7.50e-02	1.9	-0.7	2.20e-02	-7.06e-03	0.4
302	ok	0.13	3.34e-02	8.95e-04	20.1	20.1	20.1	20.1	1.0	0.7	-2.1	6.6	-0.4	-3.0
303	ok	0.13	2.31e-02	8.06e-04	20.1	20.1	20.1	20.1	0.7	0.2	-1.6	4.7	0.4	-1.8
304	ok	0.13	1.47e-02	7.53e-04	20.1	20.1	20.1	20.1	0.6	-7.05e-02	-1.3	2.9	0.5	-1.0
305	ok	0.13	9.48e-03	7.09e-04	20.1	20.1	20.1	20.1	0.4	-0.2	-1.0	1.6	0.4	-0.5
306	ok	0.13	5.93e-03	6.47e-04	20.1	20.1	20.1	20.1	0.3	-0.4	-0.7	0.7	0.3	-0.2
307	ok	0.13	3.51e-03	5.95e-04	20.1	20.1	20.1	20.1	-0.4	0.7	3.5	0.3	0.1	-6.05e-02
308	ok	0.13	3.78e-03	5.60e-04	20.1	20.1	20.1	20.1	5.87e-02	-0.4	-3.2	-7.72e-02	-0.2	5.93e-02
309	ok	0.13	3.42e-03	5.06e-04	20.1	20.1	20.1	20.1	0.5	-0.5	-3.1	-0.2	-0.2	8.21e-02
310	ok	0.13	2.98e-03	4.62e-04	20.1	20.1	20.1	20.1	-5.76e-02	-2.2	-1.6	-4.69e-02	1.53e-02	0.3
311	ok	0.13	2.27e-03	4.81e-04	20.1	20.1	20.1	20.1	-0.4	2.0	1.4	3.12e-02	7.53e-02	-8.67e-03
312	ok	0.13	3.51e-02	1.01e-03	20.1	20.1	20.1	20.1	0.7	0.3	-1.7	7.8	-1.6	-1.7
313	ok	0.13	2.46e-02	8.73e-04	20.1	20.1	20.1	20.1	0.6	0.2	-1.3	5.5	-0.2	-1.0
314	ok	0.13	1.51e-02	7.57e-04	20.1	20.1	20.1	20.1	0.4	-0.2	-1.0	3.4	0.2	-0.6
315	ok	0.13	9.39e-03	6.80e-04	20.1	20.1	20.1	20.1	0.3	-0.3	-0.7	1.8	0.3	-0.3
316	ok	0.13	5.75e-03	6.34e-04	20.1	20.1	20.1	20.1	0.2	-0.4	-0.5	0.8	0.2	-0.1
317	ok	0.13	3.44e-03	5.97e-04	20.1	20.1	20.1	20.1	-0.4	0.7	3.4	0.2	0.1	-5.30e-02
318	ok	0.13	3.22e-03	5.46e-04	20.1	20.1	20.1	20.1	0.5	-0.4	-4.1	-8.88e-02	5.74e-02	5.50e-02
319	ok	0.13	2.98e-03	4.95e-04	20.1	20.1	20.1	20.1	0.3	-0.7	-3.0	-0.1	-6.24e-02	7.51e-02
320	ok	0.13	2.66e-03	4.51e-04	20.1	20.1	20.1	20.1	-0.1	1.9	-0.7	-4.94e-03	5.20e-02	0.3
321	ok	0.13	2.38e-03	4.61e-04	20.1	20.1	20.1	20.1	0.2	-0.6	-1.0	-5.78e-03	3.91e-02	0.2
322	ok	0.13	3.56e-02	1.16e-03	20.1	20.1	20.1	20.1	4.13e-02	4.42e-02	-1.5	8.2	-1.9	0.1
323	ok	0.13	2.51e-02	9.78e-04	20.1	20.1	20.1	20.1	7.09e-02	5.73e-02	-1.1	5.8	-0.4	7.02e-02

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324	ok	0.13	1.54e-02	8.36e-04	20.1	20.1	20.1	20.1	1.60e-02	-0.2	-1.1	3.5	0.2	3.42e-02
325	ok	0.13	8.69e-03	7.11e-04	20.1	20.1	20.1	20.1	3.57e-02	-0.2	-0.9	1.9	0.3	2.13e-02
326	ok	0.13	5.30e-03	6.25e-04	20.1	20.1	20.1	20.1	4.88e-02	-0.2	-0.7	0.8	0.2	1.47e-02
327	ok	0.13	3.50e-03	5.73e-04	20.1	20.1	20.1	20.1	5.71e-02	-0.2	-0.5	0.2	0.1	1.20e-02
328	ok	0.13	3.05e-03	5.24e-04	20.1	20.1	20.1	20.1	-0.3	0.3	2.9	2.19e-02	0.1	-4.54e-02
329	ok	0.13	2.87e-03	4.74e-04	20.1	20.1	20.1	20.1	-8.31e-04	-1.2	1.9	-2.45e-02	0.1	-5.53e-02
330	ok	0.13	2.58e-03	4.30e-04	20.1	20.1	20.1	20.1	-0.2	0.4	0.8	9.19e-03	0.2	-5.09e-02
331	ok	0.13	2.33e-03	4.14e-04	20.1	20.1	20.1	20.1	-0.1	3.1	0.7	2.10e-02	6.98e-02	-3.07e-02
332	ok	0.13	3.50e-02	1.28e-03	20.1	20.1	20.1	20.1	-0.6	-0.4	-1.8	7.6	-1.4	1.9
333	ok	0.13	2.45e-02	1.07e-03	20.1	20.1	20.1	20.1	-0.5	-0.3	-1.3	5.4	-0.2	1.1
334	ok	0.13	1.50e-02	9.09e-04	20.1	20.1	20.1	20.1	-0.3	-0.3	-1.2	3.3	0.3	0.6
335	ok	0.13	8.55e-03	7.71e-04	20.1	20.1	20.1	20.1	-0.2	-0.2	-0.9	1.8	0.3	0.3
336	ok	0.13	5.11e-03	6.52e-04	20.1	20.1	20.1	20.1	-0.1	-0.1	-0.7	0.8	0.2	0.1
337	ok	0.13	3.56e-03	5.61e-04	20.1	20.1	20.1	20.1	-8.01e-02	-9.29e-02	-0.6	0.2	0.1	2.72e-02
338	ok	0.13	3.06e-03	5.11e-04	20.1	20.1	20.1	20.1	-0.5	0.5	-3.9	6.66e-02	0.1	4.45e-02
339	ok	0.13	2.84e-03	4.62e-04	20.1	20.1	20.1	20.1	-0.3	0.6	-3.0	2.54e-02	0.1	5.32e-02
340	ok	0.13	2.91e-03	4.17e-04	20.1	20.1	20.1	20.1	-1.18e-02	2.6	0.8	-2.10e-02	2.35e-03	-0.3
341	ok	0.13	2.61e-03	4.00e-04	20.1	20.1	20.1	20.1	-7.04e-02	3.2	-0.8	1.47e-02	7.13e-02	5.20e-02
342	ok	0.13	3.33e-02	1.35e-03	20.1	20.1	20.1	20.1	-0.9	-0.8	-2.1	6.4	-0.2	3.1
343	ok	0.13	2.29e-02	1.13e-03	20.1	20.1	20.1	20.1	-0.7	-0.7	-1.7	4.6	0.5	1.8
344	ok	0.13	1.39e-02	9.59e-04	20.1	20.1	20.1	20.1	-0.5	-0.4	-1.4	2.8	0.5	1.0
345	ok	0.13	8.25e-03	8.17e-04	20.1	20.1	20.1	20.1	-0.4	-0.3	-1.1	1.5	0.4	0.5
346	ok	0.13	5.04e-03	6.94e-04	20.1	20.1	20.1	20.1	-0.2	-0.2	-0.9	0.7	0.3	0.2
347	ok	0.13	3.74e-03	5.98e-04	20.1	20.1	20.1	20.1	-7.84e-02	0.3	-4.1	0.2	0.3	5.23e-02
348	ok	0.13	3.34e-03	5.09e-04	20.1	20.1	20.1	20.1	-0.7	0.4	-3.9	0.1	0.2	3.49e-02
349	ok	0.13	3.00e-03	4.54e-04	20.1	20.1	20.1	20.1	-0.5	0.5	-3.1	0.1	0.2	4.08e-02
350	ok	0.13	2.88e-03	4.47e-04	20.1	20.1	20.1	20.1	-0.3	0.6	-2.1	9.64e-02	0.2	5.07e-02
351	ok	0.13	2.74e-03	3.63e-04	20.1	20.1	20.1	20.1	0.1	0.7	-0.9	3.01e-03	0.2	4.04e-02
352	ok	0.13	3.04e-02	1.33e-03	20.1	20.1	20.1	20.1	-0.8	-1.5	-2.5	4.9	1.1	3.5
353	ok	0.13	2.05e-02	1.13e-03	20.1	20.1	20.1	20.1	-0.6	-1.0	-2.0	3.5	1.1	2.0
354	ok	0.13	1.23e-02	9.74e-04	20.1	20.1	20.1	20.1	-0.5	-0.7	-1.6	2.2	0.8	1.1
355	ok	0.13	7.67e-03	8.52e-04	20.1	20.1	20.1	20.1	-0.3	-0.5	-1.3	1.2	0.5	0.5
356	ok	0.13	4.85e-03	7.42e-04	20.1	20.1	20.1	20.1	-0.2	-0.3	-1.1	0.5	0.3	0.2
357	ok	0.13	3.87e-03	6.41e-04	20.1	20.1	20.1	20.1	0.1	0.2	-4.1	0.2	0.3	5.36e-02
358	ok	0.13	4.62e-03	5.28e-04	20.1	20.1	20.1	20.1	-0.6	1.9	2.3	-8.25e-02	-0.6	-5.59e-02
359	ok	0.13	5.41e-03	5.20e-04	20.1	20.1	20.1	20.1	0.3	2.6	2.1	-0.3	-0.7	-5.47e-02
360	ok	0.13	5.89e-03	4.49e-04	20.1	20.1	20.1	20.1	0.3	2.9	-0.8	-3.99e-02	-0.7	-0.1
361	ok	0.13	3.09e-03	3.21e-04	20.1	20.1	20.1	20.1	0.5	2.4	0.3	3.28e-02	5.61e-02	-0.4
362	ok	0.13	2.66e-02	1.35e-03	20.1	20.1	20.1	20.1	-0.5	-2.0	-2.6	3.5	2.1	3.2
363	ok	0.13	1.75e-02	1.19e-03	20.1	20.1	20.1	20.1	-0.4	-1.4	-2.1	2.5	1.6	1.9
364	ok	0.13	1.11e-02	1.05e-03	20.1	20.1	20.1	20.1	-0.2	-1.0	-1.7	1.5	1.0	1.0
365	ok	0.13	6.98e-03	8.72e-04	20.1	20.1	20.1	20.1	-9.06e-02	-0.7	-1.4	0.8	0.6	0.5
366	ok	0.13	4.55e-03	7.67e-04	20.1	20.1	20.1	20.1	0.7	-0.9	-4.7	0.3	0.4	0.1
367	ok	0.13	4.08e-03	6.71e-04	20.1	20.1	20.1	20.1	-0.5	0.8	-4.3	0.5	0.1	5.44e-02
368	ok	0.13	3.82e-03	5.54e-04	20.1	20.1	20.1	20.1	0.5	0.3	-3.3	8.85e-02	0.4	1.40e-02
369	ok	0.13	3.45e-03	4.86e-04	20.1	20.1	20.1	20.1	0.5	0.4	-2.5	6.33e-02	0.4	5.47e-03
370	ok	0.13	4.18e-03	4.19e-04	20.1	20.1	20.1	20.1	0.2	0.8	-3.0	0.4	6.64e-02	3.49e-02
371	ok	0.13	2.77e-03	2.94e-04	20.1	20.1	20.1	20.1	0.1	-0.7	-0.7	0.1	0.3	-5.07e-03
372	ok	0.13	2.23e-02	1.29e-03	20.1	20.1	20.1	20.1	-0.2	-2.3	-2.4	2.4	2.5	2.6
373	ok	0.13	1.44e-02	1.12e-03	20.1	20.1	20.1	20.1	-1.33e-02	-1.7	-2.0	1.7	1.8	1.5
374	ok	0.13	9.70e-03	9.84e-04	20.1	20.1	20.1	20.1	0.1	-1.3	-1.7	1.0	1.1	0.8
375	ok	0.13	6.16e-03	7.55e-04	20.1	20.1	20.1	20.1	0.2	-1.0	-1.5	0.6	0.6	0.4
376	ok	0.13	4.58e-03	6.50e-04	20.1	20.1	20.1	20.1	0.9	-1.3	-4.6	0.2	0.7	0.1
377	ok	0.13	4.17e-03	5.56e-04	20.1	20.1	20.1	20.1	0.2	0.2	-4.3	0.2	0.4	3.30e-02
378	ok	0.13	4.10e-03	5.32e-04	20.1	20.1	20.1	20.1	-0.9	-0.5	-3.9	0.5	4.25e-02	9.72e-03
379	ok	0.13	3.85e-03	4.65e-04	20.1	20.1	20.1	20.1	0.3	0.7	2.0	-0.6	-3.03e-02	-6.50e-02
380	ok	0.13	3.85e-03	4.33e-04	20.1	20.1	20.1	20.1	0.2	2.82e-02	-2.5	4.91e-02	0.6	1.54e-02
381	ok	0.13	3.60e-03	2.98e-04	20.1	20.1	20.1	20.1	6.85e-02	-0.2	-1.1	0.1	0.5	-8.96e-03
382	ok	0.13	2.66e-02	1.41e-03	20.1	20.1	20.1	20.1	0.2	-3.2	-2.5	2.0	3.6	3.1
383	ok	0.13	1.75e-02	1.22e-03	20.1	20.1	20.1	20.1	0.3	-2.5	-2.1	1.5	2.5	1.9
384	ok	0.13	1.08e-02	1.07e-03	20.1	20.1	20.1	20.1	0.4	-1.9	-1.8	1.0	1.6	1.0
385	ok	0.13	6.94e-03	9.09e-04	20.1	20.1	20.1	20.1	0.6	-1.5	-1.5	0.6	0.9	0.5
386	ok	0.13	4.60e-03	7.96e-04	20.1	20.1	20.1	20.1	0.9	-1.2	-5.1	0.2	0.6	0.1
387	ok	0.13	4.24e-03	6.92e-04	20.1	20.1	20.1	20.1	1.1	-1.0	-4.5	0.1	0.5	4.51e-02
388	ok	0.13	3.93e-03	5.54e-04	20.1	20.1	20.1	20.1	0.7	-0.2	-4.2	0.3	0.1	2.86e-02

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389	ok	0.13	3.57e-03	4.80e-04	20.1	20.1	20.1	20.1	0.2	0.1	2.0	-0.3	-0.1	-7.10e-02
390	ok	0.13	4.06e-03	4.08e-04	20.1	20.1	20.1	20.1	1.1	0.1	-3.0	8.37e-02	0.4	1.62e-02
391	ok	0.13	3.00e-03	2.71e-04	20.1	20.1	20.1	20.1	-0.3	0.1	-1.0	0.3	0.1	8.33e-03
392	ok	0.13	3.03e-02	1.45e-03	20.1	20.1	20.1	20.1	0.6	-4.4	-2.4	1.1	5.0	3.3
393	ok	0.13	2.04e-02	1.23e-03	20.1	20.1	20.1	20.1	0.8	-3.4	-2.0	1.1	3.5	2.0
394	ok	0.13	1.23e-02	1.05e-03	20.1	20.1	20.1	20.1	0.8	-2.5	-1.8	0.8	2.2	1.1
395	ok	0.13	7.38e-03	9.03e-04	20.1	20.1	20.1	20.1	0.9	-2.1	-1.4	0.5	1.2	0.5
396	ok	0.13	4.68e-03	7.72e-04	20.1	20.1	20.1	20.1	0.9	-1.4	-1.4	0.3	0.5	0.2
397	ok	0.13	4.07e-03	6.65e-04	20.1	20.1	20.1	20.1	0.4	-1.5	-4.8	0.3	0.3	4.44e-02
398	ok	0.13	4.66e-03	5.42e-04	20.1	20.1	20.1	20.1	-0.6	0.1	-3.2	0.7	7.29e-02	1.18e-02
399	ok	0.13	5.37e-03	5.08e-04	20.1	20.1	20.1	20.1	-1.2	-0.6	-2.9	0.7	0.3	1.57e-03
400	ok	0.13	5.94e-03	4.28e-04	20.1	20.1	20.1	20.1	-1.3	-0.3	0.2	0.8	2.11e-02	6.28e-02
401	ok	0.13	3.41e-03	2.78e-04	20.1	20.1	20.1	20.1	3.0	0.5	-1.49e-02	2.17e-02	3.68e-02	-0.4
402	ok	0.13	3.32e-02	1.50e-03	20.1	20.1	20.1	20.1	1.4	-5.1	-2.2	-0.3	6.4	2.9
403	ok	0.13	2.29e-02	1.25e-03	20.1	20.1	20.1	20.1	1.2	-4.3	-1.6	0.4	4.6	1.7
404	ok	0.13	1.39e-02	1.06e-03	20.1	20.1	20.1	20.1	1.2	-3.3	-1.5	0.5	2.8	0.9
405	ok	0.13	7.71e-03	8.96e-04	20.1	20.1	20.1	20.1	1.3	-2.5	-1.3	0.4	1.5	0.4
406	ok	0.13	4.75e-03	7.49e-04	20.1	20.1	20.1	20.1	1.4	-2.1	-0.9	0.2	0.7	0.2
407	ok	0.13	4.02e-03	6.25e-04	20.1	20.1	20.1	20.1	2.0	-1.5	-4.4	0.1	0.3	5.41e-02
408	ok	0.13	3.70e-03	5.09e-04	20.1	20.1	20.1	20.1	1.2	-1.3	-4.2	0.2	0.2	3.85e-02
409	ok	0.13	3.43e-03	4.24e-04	20.1	20.1	20.1	20.1	0.7	-0.3	1.4	-0.2	-8.80e-02	-6.98e-02
410	ok	0.13	3.23e-03	4.08e-04	20.1	20.1	20.1	20.1	1.4	-0.5	-2.4	0.2	0.1	5.36e-02
411	ok	0.13	3.29e-03	2.98e-04	20.1	20.1	20.1	20.1	1.6	0.1	-1.2	0.2	1.16e-02	4.33e-02
412	ok	0.13	3.51e-02	1.48e-03	20.1	20.1	20.1	20.1	1.9	-6.1	-1.3	-1.4	7.6	1.7
413	ok	0.13	2.44e-02	1.22e-03	20.1	20.1	20.1	20.1	1.8	-4.6	-1.1	-0.2	5.3	1.0
414	ok	0.13	1.49e-02	1.02e-03	20.1	20.1	20.1	20.1	1.6	-3.8	-0.9	0.2	3.3	0.5
415	ok	0.13	8.00e-03	8.58e-04	20.1	20.1	20.1	20.1	1.6	-3.0	-0.8	0.3	1.7	0.3
416	ok	0.13	4.64e-03	7.09e-04	20.1	20.1	20.1	20.1	1.6	-2.3	-0.7	0.2	0.8	0.1
417	ok	0.13	3.85e-03	5.74e-04	20.1	20.1	20.1	20.1	1.6	-1.7	-0.6	0.1	0.2	2.39e-02
418	ok	0.13	3.46e-03	4.73e-04	20.1	20.1	20.1	20.1	1.6	-1.3	-3.9	9.96e-02	8.79e-02	4.33e-02
419	ok	0.13	3.23e-03	4.04e-04	20.1	20.1	20.1	20.1	1.7	-0.8	-3.1	9.22e-02	5.24e-02	5.17e-02
420	ok	0.13	3.12e-03	3.38e-04	20.1	20.1	20.1	20.1	3.5	-0.3	0.7	3.51e-02	-6.33e-03	-0.3
421	ok	0.13	3.32e-03	2.95e-04	20.1	20.1	20.1	20.1	2.0	-9.07e-02	-1.0	9.59e-02	1.41e-02	5.48e-02
422	ok	0.13	3.57e-02	1.37e-03	20.1	20.1	20.1	20.1	2.2	-6.5	0.2	-1.8	8.0	5.65e-03
423	ok	0.13	2.50e-02	1.13e-03	20.1	20.1	20.1	20.1	2.0	-5.0	0.2	-0.4	5.6	2.58e-03
424	ok	0.13	1.53e-02	9.43e-04	20.1	20.1	20.1	20.1	1.7	-4.1	-0.1	0.1	3.5	1.38e-03
425	ok	0.13	8.22e-03	7.86e-04	20.1	20.1	20.1	20.1	1.7	-3.2	0.1	0.2	1.8	-4.54e-03
426	ok	0.13	4.57e-03	6.45e-04	20.1	20.1	20.1	20.1	1.7	-2.5	0.1	0.2	0.8	-4.89e-03
427	ok	0.13	3.59e-03	5.29e-04	20.1	20.1	20.1	20.1	1.7	-1.9	0.1	0.1	0.3	-4.13e-03
428	ok	0.13	3.22e-03	4.48e-04	20.1	20.1	20.1	20.1	1.9	-1.2	-3.5	5.46e-02	2.70e-02	4.36e-02
429	ok	0.13	3.08e-03	3.82e-04	20.1	20.1	20.1	20.1	2.2	-0.5	-1.6	4.18e-02	-2.61e-02	5.70e-02
430	ok	0.13	2.99e-03	3.17e-04	20.1	20.1	20.1	20.1	1.8	-0.3	-0.6	0.1	5.69e-03	4.81e-02
431	ok	0.13	3.10e-03	2.70e-04	20.1	20.1	20.1	20.1	4.5	-0.2	0.6	4.99e-02	3.46e-02	-3.71e-02
432	ok	0.13	3.51e-02	1.48e-03	20.1	20.1	20.1	20.1	1.9	-6.1	1.3	-1.4	7.6	-1.7
433	ok	0.13	2.44e-02	1.22e-03	20.1	20.1	20.1	20.1	1.8	-4.6	1.1	-0.2	5.3	-1.0
434	ok	0.13	1.49e-02	1.02e-03	20.1	20.1	20.1	20.1	1.6	-3.8	0.9	0.2	3.3	-0.5
435	ok	0.13	8.00e-03	8.58e-04	20.1	20.1	20.1	20.1	1.6	-3.0	0.8	0.3	1.7	-0.3
436	ok	0.13	4.64e-03	7.09e-04	20.1	20.1	20.1	20.1	1.6	-2.3	0.7	0.2	0.8	-0.1
437	ok	0.13	3.85e-03	5.74e-04	20.1	20.1	20.1	20.1	1.6	-1.8	0.3	0.1	0.3	-1.51e-02
438	ok	0.13	3.46e-03	4.73e-04	20.1	20.1	20.1	20.1	1.6	-1.3	3.9	9.96e-02	8.79e-02	-4.33e-02
439	ok	0.13	3.23e-03	4.04e-04	20.1	20.1	20.1	20.1	1.7	-0.8	3.1	9.22e-02	5.24e-02	-5.17e-02
440	ok	0.13	3.12e-03	3.38e-04	20.1	20.1	20.1	20.1	3.5	-0.3	-0.7	3.51e-02	-6.33e-03	0.3
441	ok	0.13	3.32e-03	2.95e-04	20.1	20.1	20.1	20.1	1.0	8.17e-02	-0.9	2.72e-02	8.69e-03	0.2
442	ok	0.13	3.32e-02	1.50e-03	20.1	20.1	20.1	20.1	1.4	-5.1	2.2	-0.3	6.4	-2.9
443	ok	0.13	2.29e-02	1.25e-03	20.1	20.1	20.1	20.1	1.2	-4.3	1.6	0.4	4.6	-1.7
444	ok	0.13	1.39e-02	1.06e-03	20.1	20.1	20.1	20.1	1.2	-3.3	1.5	0.5	2.8	-0.9
445	ok	0.13	7.71e-03	8.96e-04	20.1	20.1	20.1	20.1	1.3	-2.5	1.3	0.4	1.5	-0.4
446	ok	0.13	4.75e-03	7.49e-04	20.1	20.1	20.1	20.1	1.4	-2.1	0.9	0.2	0.7	-0.2
447	ok	0.13	4.02e-03	6.25e-04	20.1	20.1	20.1	20.1	1.2	-0.6	4.4	0.2	0.2	-5.84e-02
448	ok	0.13	3.70e-03	5.09e-04	20.1	20.1	20.1	20.1	1.2	-1.3	4.2	0.2	0.2	-3.85e-02
449	ok	0.13	3.43e-03	4.24e-04	20.1	20.1	20.1	20.1	0.7	-0.3	-1.4	-0.2	-8.80e-02	6.98e-02
450	ok	0.13	3.23e-03	4.08e-04	20.1	20.1	20.1	20.1	1.4	-0.5	2.4	0.2	0.1	-5.36e-02
451	ok	0.13	3.29e-03	2.98e-04	20.1	20.1	20.1	20.1	1.6	0.1	1.2	0.2	1.16e-02	-4.33e-02
452	ok	0.13	3.04e-02	1.44e-03	20.1	20.1	20.1	20.1	0.6	-4.4	2.4	1.1	5.0	-3.3
453	ok	0.13	2.04e-02	1.23e-03	20.1	20.1	20.1	20.1	0.8	-3.4	2.0	1.1	3.5	-2.0

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454	ok	0.13	1.23e-02	1.05e-03	20.1	20.1	20.1	20.1	0.8	-2.5	1.8	0.8	2.2	-1.1
455	ok	0.13	7.38e-03	9.02e-04	20.1	20.1	20.1	20.1	0.9	-2.1	1.4	0.5	1.2	-0.5
456	ok	0.13	4.68e-03	7.72e-04	20.1	20.1	20.1	20.1	1.0	-1.6	1.2	0.3	0.5	-0.2
457	ok	0.13	4.07e-03	6.65e-04	20.1	20.1	20.1	20.1	0.4	-1.5	4.8	0.3	0.3	-4.44e-02
458	ok	0.13	4.66e-03	5.42e-04	20.1	20.1	20.1	20.1	-0.6	0.1	3.2	0.7	7.29e-02	-1.18e-02
459	ok	0.13	5.37e-03	5.08e-04	20.1	20.1	20.1	20.1	-1.2	-0.6	2.9	0.7	0.3	-1.57e-03
460	ok	0.13	5.94e-03	4.28e-04	20.1	20.1	20.1	20.1	-1.3	-0.3	-0.2	0.8	2.11e-02	-6.28e-02
461	ok	0.13	3.41e-03	2.78e-04	20.1	20.1	20.1	20.1	3.0	0.5	1.50e-02	2.17e-02	3.68e-02	0.4
462	ok	0.13	2.66e-02	1.41e-03	20.1	20.1	20.1	20.1	0.2	-3.3	2.5	2.0	3.6	-3.1
463	ok	0.13	1.75e-02	1.22e-03	20.1	20.1	20.1	20.1	0.3	-2.5	2.1	1.5	2.5	-1.9
464	ok	0.13	1.08e-02	1.07e-03	20.1	20.1	20.1	20.1	0.4	-1.9	1.8	1.0	1.6	-1.0
465	ok	0.13	6.94e-03	9.09e-04	20.1	20.1	20.1	20.1	0.6	-1.5	1.5	0.6	0.9	-0.5
466	ok	0.13	4.60e-03	7.96e-04	20.1	20.1	20.1	20.1	0.9	-1.2	5.1	0.2	0.6	-0.1
467	ok	0.13	4.24e-03	6.92e-04	20.1	20.1	20.1	20.1	1.1	-1.0	4.5	0.1	0.5	-4.51e-02
468	ok	0.13	3.93e-03	5.54e-04	20.1	20.1	20.1	20.1	-2.92e-02	-0.5	4.5	4.19e-02	0.4	-1.40e-02
469	ok	0.13	3.57e-03	4.80e-04	20.1	20.1	20.1	20.1	0.2	-0.1	-1.4	-0.4	-8.60e-02	6.55e-02
470	ok	0.13	4.06e-03	4.08e-04	20.1	20.1	20.1	20.1	1.1	0.1	3.0	8.37e-02	0.4	-1.62e-02
471	ok	0.13	3.00e-03	2.71e-04	20.1	20.1	20.1	20.1	-0.3	0.1	1.0	0.3	0.1	-8.33e-03
472	ok	0.13	2.23e-02	1.29e-03	20.1	20.1	20.1	20.1	-0.1	-2.1	2.3	2.4	2.5	-2.6
473	ok	0.13	1.44e-02	1.12e-03	20.1	20.1	20.1	20.1	-3.74e-02	-1.7	2.0	1.6	1.8	-1.6
474	ok	0.13	9.70e-03	9.84e-04	20.1	20.1	20.1	20.1	0.1	-1.3	1.7	1.0	1.1	-0.8
475	ok	0.13	6.16e-03	7.55e-04	20.1	20.1	20.1	20.1	0.2	-1.0	1.5	0.6	0.6	-0.4
476	ok	0.13	4.58e-03	6.50e-04	20.1	20.1	20.1	20.1	0.9	-1.3	4.6	0.2	0.7	-0.1
477	ok	0.13	4.17e-03	5.56e-04	20.1	20.1	20.1	20.1	0.5	-3.01e-02	4.2	0.3	0.2	-4.51e-02
478	ok	0.13	4.10e-03	5.32e-04	20.1	20.1	20.1	20.1	-0.9	-0.5	3.9	0.5	4.25e-02	-9.73e-03
479	ok	0.13	3.85e-03	4.65e-04	20.1	20.1	20.1	20.1	0.3	0.7	-2.0	-0.6	-3.03e-02	6.50e-02
480	ok	0.13	3.85e-03	4.33e-04	20.1	20.1	20.1	20.1	0.2	2.82e-02	2.5	4.91e-02	0.6	-1.54e-02
481	ok	0.13	3.60e-03	2.98e-04	20.1	20.1	20.1	20.1	6.85e-02	-0.2	1.1	0.1	0.5	8.96e-03
482	ok	0.13	2.66e-02	1.35e-03	20.1	20.1	20.1	20.1	-0.5	-1.9	2.6	3.5	2.1	-3.2
483	ok	0.13	1.75e-02	1.19e-03	20.1	20.1	20.1	20.1	-0.4	-1.4	2.1	2.5	1.6	-1.9
484	ok	0.13	1.11e-02	1.05e-03	20.1	20.1	20.1	20.1	-0.2	-1.0	1.7	1.5	1.0	-1.0
485	ok	0.13	6.98e-03	8.72e-04	20.1	20.1	20.1	20.1	-9.09e-02	-0.7	1.4	0.8	0.6	-0.5
486	ok	0.13	4.55e-03	7.67e-04	20.1	20.1	20.1	20.1	2.45e-02	-0.5	1.2	0.4	0.3	-0.2
487	ok	0.13	4.08e-03	6.71e-04	20.1	20.1	20.1	20.1	-0.5	0.8	4.3	0.5	0.1	-5.44e-02
488	ok	0.13	3.82e-03	5.54e-04	20.1	20.1	20.1	20.1	0.5	0.3	3.3	8.86e-02	0.4	-1.40e-02
489	ok	0.13	3.45e-03	4.86e-04	20.1	20.1	20.1	20.1	0.5	0.4	2.5	6.33e-02	0.4	-5.47e-03
490	ok	0.13	4.18e-03	4.19e-04	20.1	20.1	20.1	20.1	0.2	0.8	3.0	0.4	6.64e-02	-3.49e-02
491	ok	0.13	2.77e-03	2.94e-04	20.1	20.1	20.1	20.1	0.1	-0.7	0.7	0.1	0.3	5.07e-03
492	ok	0.13	3.04e-02	1.33e-03	20.1	20.1	20.1	20.1	-0.8	-1.5	2.5	4.9	1.1	-3.5
493	ok	0.13	2.05e-02	1.13e-03	20.1	20.1	20.1	20.1	-0.6	-1.0	2.0	3.5	1.1	-2.0
494	ok	0.13	1.23e-02	9.74e-04	20.1	20.1	20.1	20.1	-0.5	-0.7	1.6	2.2	0.8	-1.1
495	ok	0.13	7.68e-03	8.52e-04	20.1	20.1	20.1	20.1	-0.3	-0.5	1.3	1.2	0.5	-0.5
496	ok	0.13	4.85e-03	7.42e-04	20.1	20.1	20.1	20.1	-0.2	-0.3	1.1	0.5	0.3	-0.2
497	ok	0.13	3.87e-03	6.41e-04	20.1	20.1	20.1	20.1	0.1	0.2	4.1	0.2	0.3	-5.36e-02
498	ok	0.13	4.62e-03	5.28e-04	20.1	20.1	20.1	20.1	-0.6	1.9	-2.3	-8.25e-02	-0.6	5.59e-02
499	ok	0.13	5.41e-03	5.20e-04	20.1	20.1	20.1	20.1	0.3	2.6	-2.1	-0.3	-0.7	5.47e-02
500	ok	0.13	5.89e-03	4.49e-04	20.1	20.1	20.1	20.1	0.3	2.9	0.8	-3.99e-02	-0.7	0.1
501	ok	0.13	3.09e-03	3.21e-04	20.1	20.1	20.1	20.1	0.5	2.4	-0.3	3.28e-02	5.61e-02	0.4
502	ok	0.13	3.33e-02	1.35e-03	20.1	20.1	20.1	20.1	-1.0	-0.8	2.1	6.4	-0.2	-3.1
503	ok	0.13	2.29e-02	1.13e-03	20.1	20.1	20.1	20.1	-0.7	-0.7	1.7	4.6	0.5	-1.8
504	ok	0.13	1.39e-02	9.59e-04	20.1	20.1	20.1	20.1	-0.5	-0.4	1.4	2.8	0.5	-1.0
505	ok	0.13	8.25e-03	8.17e-04	20.1	20.1	20.1	20.1	-0.4	-0.3	1.1	1.5	0.4	-0.5
506	ok	0.13	5.04e-03	6.94e-04	20.1	20.1	20.1	20.1	-0.2	-0.2	0.9	0.7	0.3	-0.2
507	ok	0.13	3.74e-03	5.98e-04	20.1	20.1	20.1	20.1	-7.83e-02	0.3	4.1	0.2	0.3	-5.23e-02
508	ok	0.13	3.34e-03	5.09e-04	20.1	20.1	20.1	20.1	-3.65e-02	0.4	3.2	6.91e-02	0.3	-2.93e-02
509	ok	0.13	3.00e-03	4.54e-04	20.1	20.1	20.1	20.1	-2.51e-02	0.4	2.2	3.14e-02	0.3	-3.15e-02
510	ok	0.13	2.88e-03	4.47e-04	20.1	20.1	20.1	20.1	-0.3	0.6	2.1	9.64e-02	0.2	-5.07e-02
511	ok	0.13	2.74e-03	3.63e-04	20.1	20.1	20.1	20.1	0.2	0.5	1.0	4.10e-03	7.10e-02	-3.76e-02
512	ok	0.13	3.50e-02	1.28e-03	20.1	20.1	20.1	20.1	-0.6	-0.4	1.8	7.6	-1.4	-1.9
513	ok	0.13	2.45e-02	1.07e-03	20.1	20.1	20.1	20.1	-0.5	-0.3	1.3	5.4	-0.2	-1.1
514	ok	0.13	1.50e-02	9.09e-04	20.1	20.1	20.1	20.1	-0.3	-0.3	1.2	3.3	0.3	-0.6
515	ok	0.13	8.55e-03	7.71e-04	20.1	20.1	20.1	20.1	-0.2	-0.2	0.9	1.8	0.3	-0.3
516	ok	0.13	5.12e-03	6.52e-04	20.1	20.1	20.1	20.1	-0.1	-0.1	0.7	0.8	0.2	-0.1
517	ok	0.13	3.56e-03	5.61e-04	20.1	20.1	20.1	20.1	-8.02e-02	-9.29e-02	0.6	0.2	0.1	-2.72e-02
518	ok	0.13	3.06e-03	5.11e-04	20.1	20.1	20.1	20.1	-0.2	0.5	3.1	3.94e-02	0.1	-3.63e-02

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519	ok	0.13	2.84e-03	4.62e-04	20.1	20.1	20.1	20.1	3.46e-02	-1.0	-1.7	-7.32e-02	3.68e-02	7.46e-02
520	ok	0.13	2.91e-03	4.17e-04	20.1	20.1	20.1	20.1	-1.19e-02	2.6	-0.8	-2.10e-02	2.35e-03	0.3
521	ok	0.13	2.61e-03	4.00e-04	20.1	20.1	20.1	20.1	-0.2	0.5	1.0	3.76e-03	1.32e-02	-0.2

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
								-11.09	-17.46	-61.60	-136.38	-139.43	-24.20
	0.13	0.67	0.02	20.11	20.11	20.11	20.11	19.77	97.74	61.60	9.69	9.72	24.20

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		N/mm2					kN/ m	kN/ m
1	ok	0.02						
2	ok	0.04						
3	ok	0.08						
4	ok	0.04						
5	ok	0.15						
6	ok	0.08						
7	ok	0.23						
8	ok	0.12						
9	ok	0.30						
10	ok	0.15						
11	ok	0.33						
12	ok	0.17						
13	ok	0.31						
14	ok	0.16						
15	ok	0.24						
16	ok	0.13						
17	ok	0.16						
18	ok	0.08						
19	ok	0.09						
20	ok	0.05						
21	ok	0.05						
22	ok	0.02						
23	ok	0.08						
24	ok	0.15						
25	ok	0.26						
26	ok	0.41						
27	ok	0.54						
28	ok	0.64						
29	ok	0.58						
30	ok	0.45						
31	ok	0.29						
32	ok	0.16						
33	ok	0.08						
34	ok	0.12						
35	ok	0.23						
36	ok	0.42						
37	ok	0.80						
38	ok	0.94						
39	ok	1.56						
40	ok	1.48						
41	ok	0.80						
42	ok	0.44						
43	ok	0.25						
44	ok	0.13						
45	ok	0.15						
46	ok	0.29						
47	ok	0.54						
48	ok	1.20						
49	ok	5.76						
50	ok Av	6.20	0.02	0.19	0.7	7.0	18.1	187.6
51	ok	5.38						
52	ok	1.18						
53	ok	0.57						

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54	ok	0.32						
55	ok	0.16						
56	ok	0.16						
57	ok	0.32						
58	ok	0.59						
59	ok	1.02						
60	ok	5.10						
61	ok Av	18.33	0.38	0.41	14.3	15.2	382.2	408.0
62	ok	5.24						
63	ok	1.06						
64	ok	0.63						
65	ok	0.34						
66	ok	0.18						
67	ok	0.15						
68	ok	0.29						
69	ok	0.54						
70	ok	1.20						
71	ok	5.76						
72	ok Av	6.20	0.02	0.19	0.7	7.0	18.1	187.6
73	ok	5.38						
74	ok	1.18						
75	ok	0.57						
76	ok	0.32						
77	ok	0.16						
78	ok	0.12						
79	ok	0.23						
80	ok	0.42						
81	ok	0.80						
82	ok	0.94						
83	ok	1.56						
84	ok	1.48						
85	ok	0.80						
86	ok	0.44						
87	ok	0.25						
88	ok	0.13						
89	ok	0.08						
90	ok	0.15						
91	ok	0.26						
92	ok	0.41						
93	ok	0.54						
94	ok	0.64						
95	ok	0.58						
96	ok	0.45						
97	ok	0.29						
98	ok	0.16						
99	ok	0.08						
100	ok	0.04						
101	ok	0.08						
102	ok	0.15						
103	ok	0.23						
104	ok	0.30						
105	ok	0.33						
106	ok	0.31						
107	ok	0.24						
108	ok	0.16						
109	ok	0.09						
110	ok	0.05						
111	ok	0.02						
112	ok	0.04						
113	ok	0.08						
114	ok	0.12						
115	ok	0.15						
116	ok	0.17						
117	ok	0.16						
118	ok	0.13						

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119	ok	0.08
120	ok	0.05
121	ok	0.02
122	ok	0.05
123	ok	0.05
124	ok	0.04
125	ok	0.04
126	ok	0.03
127	ok	0.04
128	ok	0.03
129	ok	0.03
130	ok	0.02
131	ok	0.02
132	ok	0.01
133	ok	0.01
134	ok	9.10e-03
135	ok	9.57e-03
136	ok	7.84e-03
137	ok	7.86e-03
138	ok	9.30e-03
139	ok	9.50e-03
140	ok	5.91e-03
141	ok	6.20e-03
142	ok	0.04
143	ok	0.04
144	ok	0.04
145	ok	0.03
146	ok	0.02
147	ok	0.01
148	ok	9.61e-03
149	ok	7.46e-03
150	ok	9.01e-03
151	ok	6.41e-03
152	ok	0.04
153	ok	0.04
154	ok	0.04
155	ok	0.03
156	ok	0.02
157	ok	0.01
158	ok	9.23e-03
159	ok	6.68e-03
160	ok	7.94e-03
161	ok	6.43e-03
162	ok	0.04
163	ok	0.04
164	ok	0.04
165	ok	0.03
166	ok	0.02
167	ok	0.01
168	ok	8.57e-03
169	ok	5.99e-03
170	ok	6.42e-03
171	ok	6.12e-03
172	ok	0.03
173	ok	0.04
174	ok	0.03
175	ok	0.02
176	ok	0.02
177	ok	0.01
178	ok	7.89e-03
179	ok	5.41e-03
180	ok	4.43e-03
181	ok	6.47e-03
182	ok	0.04
183	ok	0.04

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184	ok	0.04
185	ok	0.03
186	ok	0.02
187	ok	0.01
188	ok	8.59e-03
189	ok	5.64e-03
190	ok	5.86e-03
191	ok	7.12e-03
192	ok	0.04
193	ok	0.04
194	ok	0.04
195	ok	0.03
196	ok	0.02
197	ok	0.01
198	ok	8.95e-03
199	ok	6.15e-03
200	ok	7.80e-03
201	ok	7.37e-03
202	ok	0.04
203	ok	0.04
204	ok	0.04
205	ok	0.03
206	ok	0.02
207	ok	0.01
208	ok	9.50e-03
209	ok	6.95e-03
210	ok	9.24e-03
211	ok	7.32e-03
212	ok	0.05
213	ok	0.04
214	ok	0.04
215	ok	0.03
216	ok	0.02
217	ok	0.02
218	ok	9.64e-03
219	ok	7.46e-03
220	ok	0.01
221	ok	7.11e-03
222	ok	0.05
223	ok	0.04
224	ok	0.04
225	ok	0.03
226	ok	0.02
227	ok	0.02
228	ok	9.33e-03
229	ok	7.53e-03
230	ok	0.01
231	ok	7.00e-03
232	ok	0.05
233	ok	0.04
234	ok	0.04
235	ok	0.03
236	ok	0.02
237	ok	0.02
238	ok	9.64e-03
239	ok	7.46e-03
240	ok	0.01
241	ok	7.11e-03
242	ok	0.04
243	ok	0.04
244	ok	0.04
245	ok	0.03
246	ok	0.02
247	ok	0.01
248	ok	9.50e-03

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Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

249	ok	6.95e-03
250	ok	9.24e-03
251	ok	7.32e-03
252	ok	0.04
253	ok	0.04
254	ok	0.04
255	ok	0.03
256	ok	0.02
257	ok	0.01
258	ok	8.95e-03
259	ok	6.15e-03
260	ok	7.80e-03
261	ok	7.37e-03
262	ok	0.04
263	ok	0.04
264	ok	0.04
265	ok	0.03
266	ok	0.02
267	ok	0.01
268	ok	8.59e-03
269	ok	5.64e-03
270	ok	5.86e-03
271	ok	7.12e-03
272	ok	0.03
273	ok	0.04
274	ok	0.03
275	ok	0.02
276	ok	0.02
277	ok	0.01
278	ok	7.89e-03
279	ok	5.41e-03
280	ok	4.43e-03
281	ok	6.47e-03
282	ok	0.04
283	ok	0.04
284	ok	0.04
285	ok	0.03
286	ok	0.02
287	ok	0.01
288	ok	8.57e-03
289	ok	5.99e-03
290	ok	6.42e-03
291	ok	6.12e-03
292	ok	0.04
293	ok	0.04
294	ok	0.04
295	ok	0.03
296	ok	0.02
297	ok	0.01
298	ok	9.23e-03
299	ok	6.68e-03
300	ok	7.94e-03
301	ok	6.43e-03
302	ok	0.04
303	ok	0.04
304	ok	0.04
305	ok	0.03
306	ok	0.02
307	ok	0.01
308	ok	9.61e-03
309	ok	7.46e-03
310	ok	9.01e-03
311	ok	6.41e-03
312	ok	0.05
313	ok	0.04

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Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

314	ok	0.04
315	ok	0.03
316	ok	0.02
317	ok	0.01
318	ok	9.57e-03
319	ok	7.86e-03
320	ok	9.50e-03
321	ok	6.20e-03
322	ok	0.05
323	ok	0.04
324	ok	0.03
325	ok	0.03
326	ok	0.02
327	ok	0.01
328	ok	9.10e-03
329	ok	7.84e-03
330	ok	9.30e-03
331	ok	5.91e-03
332	ok	0.05
333	ok	0.04
334	ok	0.03
335	ok	0.03
336	ok	0.02
337	ok	0.01
338	ok	8.28e-03
339	ok	7.42e-03
340	ok	8.76e-03
341	ok	5.86e-03
342	ok	0.04
343	ok	0.04
344	ok	0.04
345	ok	0.03
346	ok	0.02
347	ok	0.01
348	ok	7.93e-03
349	ok	6.68e-03
350	ok	8.30e-03
351	ok	5.87e-03
352	ok	0.04
353	ok	0.04
354	ok	0.04
355	ok	0.03
356	ok	0.02
357	ok	0.01
358	ok	7.67e-03
359	ok	5.72e-03
360	ok	7.33e-03
361	ok	5.79e-03
362	ok	0.04
363	ok	0.04
364	ok	0.03
365	ok	0.03
366	ok	0.02
367	ok	0.01
368	ok	7.29e-03
369	ok	4.72e-03
370	ok	6.07e-03
371	ok	5.57e-03
372	ok	0.03
373	ok	0.04
374	ok	0.03
375	ok	0.02
376	ok	0.01
377	ok	9.73e-03
378	ok	6.53e-03

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379	ok	4.49e-03
380	ok	4.81e-03
381	ok	5.25e-03
382	ok	0.04
383	ok	0.04
384	ok	0.03
385	ok	0.03
386	ok	0.02
387	ok	0.01
388	ok	7.12e-03
389	ok	4.62e-03
390	ok	5.37e-03
391	ok	4.98e-03
392	ok	0.04
393	ok	0.04
394	ok	0.04
395	ok	0.03
396	ok	0.02
397	ok	0.01
398	ok	7.72e-03
399	ok	5.62e-03
400	ok	6.76e-03
401	ok	4.53e-03
402	ok	0.04
403	ok	0.04
404	ok	0.04
405	ok	0.03
406	ok	0.02
407	ok	0.01
408	ok	8.04e-03
409	ok	6.46e-03
410	ok	7.88e-03
411	ok	4.27e-03
412	ok	0.05
413	ok	0.04
414	ok	0.03
415	ok	0.03
416	ok	0.02
417	ok	0.01
418	ok	8.10e-03
419	ok	6.94e-03
420	ok	8.49e-03
421	ok	4.01e-03
422	ok	0.05
423	ok	0.04
424	ok	0.03
425	ok	0.03
426	ok	0.02
427	ok	0.01
428	ok	7.92e-03
429	ok	7.01e-03
430	ok	8.47e-03
431	ok	3.85e-03
432	ok	0.05
433	ok	0.04
434	ok	0.03
435	ok	0.03
436	ok	0.02
437	ok	0.01
438	ok	8.10e-03
439	ok	6.94e-03
440	ok	8.49e-03
441	ok	4.01e-03
442	ok	0.04
443	ok	0.04

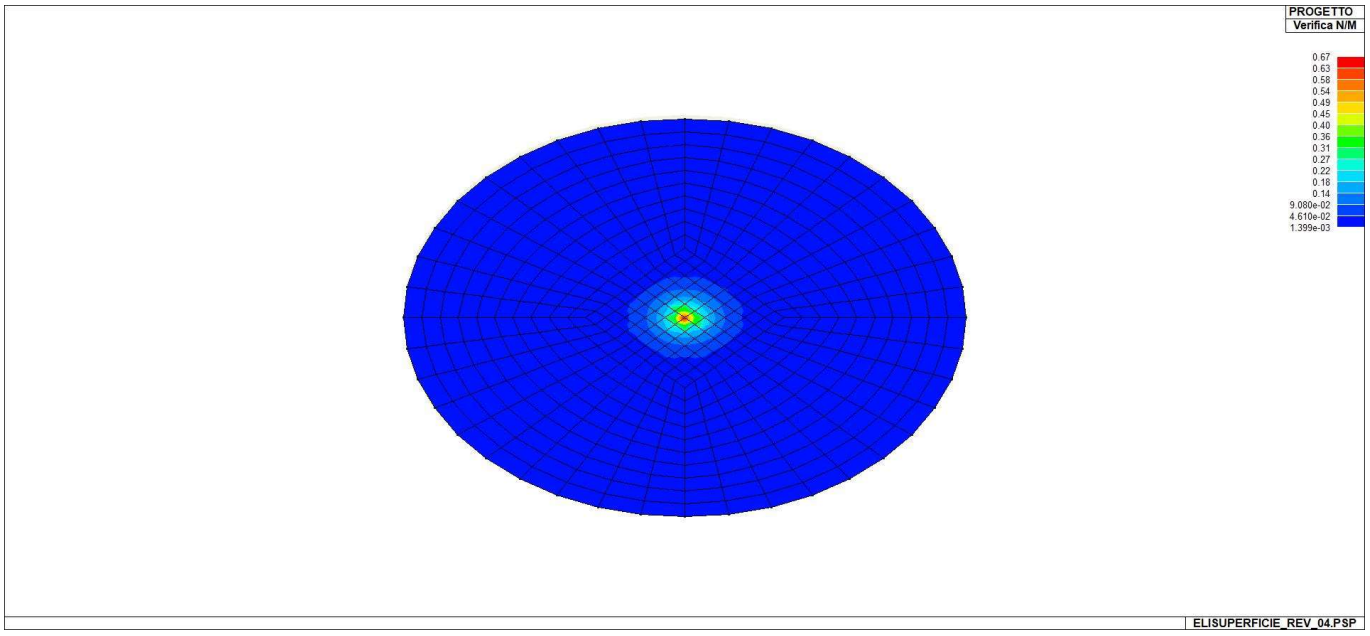
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Sede Legale: C.so Italia 6 – 15076 – Ovada (AL)
Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

444	ok	0.04
445	ok	0.03
446	ok	0.02
447	ok	0.01
448	ok	8.04e-03
449	ok	6.46e-03
450	ok	7.88e-03
451	ok	4.27e-03
452	ok	0.04
453	ok	0.04
454	ok	0.04
455	ok	0.03
456	ok	0.02
457	ok	0.01
458	ok	7.72e-03
459	ok	5.62e-03
460	ok	6.76e-03
461	ok	4.53e-03
462	ok	0.04
463	ok	0.04
464	ok	0.03
465	ok	0.03
466	ok	0.02
467	ok	0.01
468	ok	7.12e-03
469	ok	4.62e-03
470	ok	5.37e-03
471	ok	4.98e-03
472	ok	0.03
473	ok	0.04
474	ok	0.03
475	ok	0.02
476	ok	0.01
477	ok	9.73e-03
478	ok	6.53e-03
479	ok	4.49e-03
480	ok	4.81e-03
481	ok	5.25e-03
482	ok	0.04
483	ok	0.04
484	ok	0.03
485	ok	0.03
486	ok	0.02
487	ok	0.01
488	ok	7.29e-03
489	ok	4.72e-03
490	ok	6.07e-03
491	ok	5.57e-03
492	ok	0.04
493	ok	0.04
494	ok	0.04
495	ok	0.03
496	ok	0.02
497	ok	0.01
498	ok	7.67e-03
499	ok	5.72e-03
500	ok	7.33e-03
501	ok	5.79e-03
502	ok	0.04
503	ok	0.04
504	ok	0.04
505	ok	0.03
506	ok	0.02
507	ok	0.01
508	ok	7.93e-03

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Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

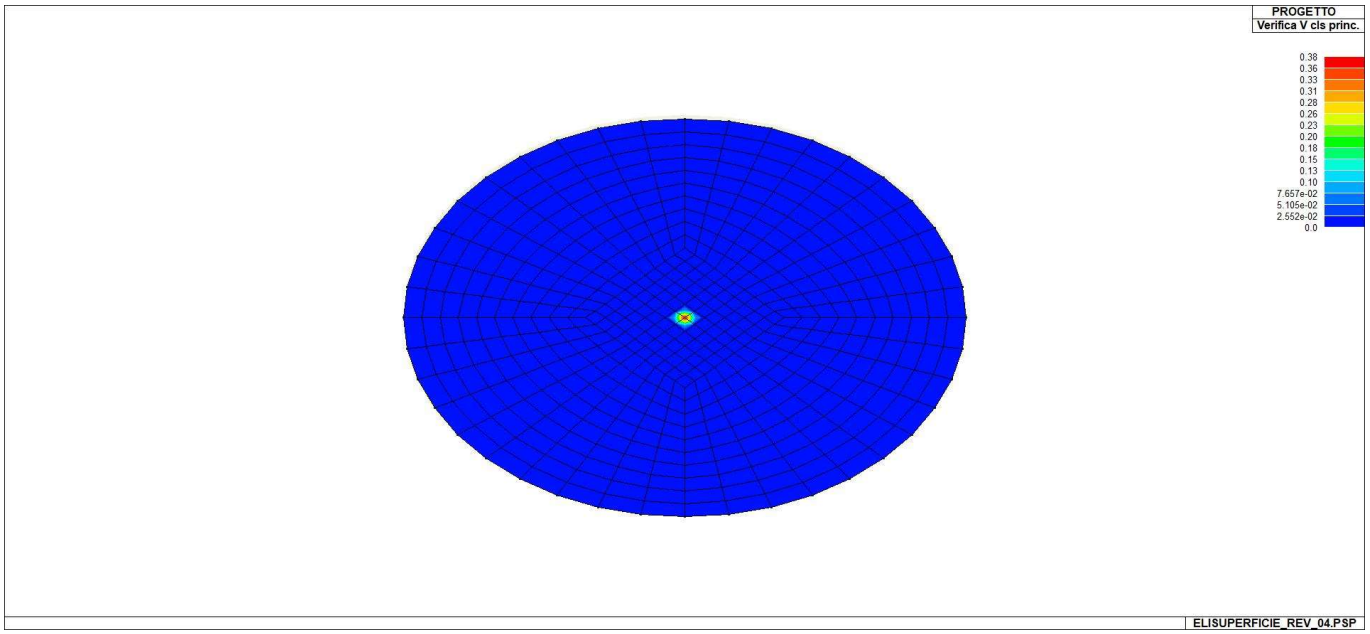
509	ok	6.68e-03
510	ok	8.30e-03
511	ok	5.87e-03
512	ok	0.05
513	ok	0.04
514	ok	0.03
515	ok	0.03
516	ok	0.02
517	ok	0.01
518	ok	8.28e-03
519	ok	7.42e-03
520	ok	8.76e-03
521	ok	5.86e-03

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	18.33	0.38	0.41	14.28	15.25	382.25	408.04

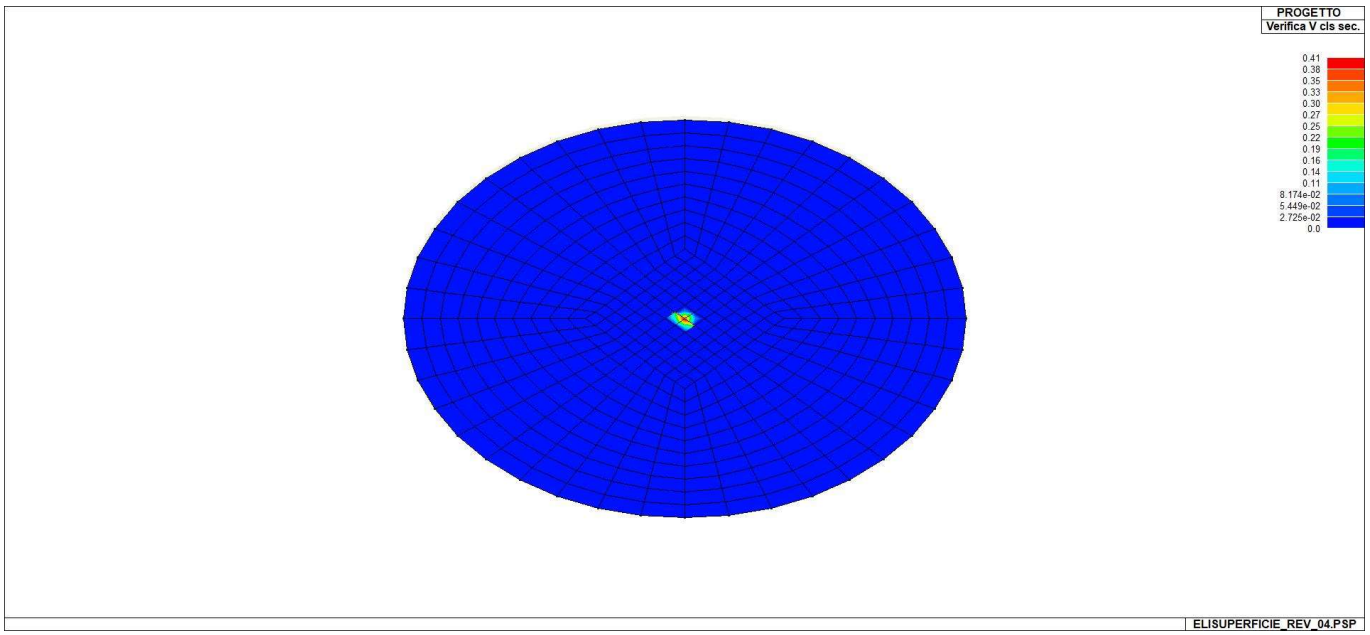


72_PRO_CA_D3_VER_NM

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72_PRO_CA_D3_VER_VI



72_PRO_CA_D3_VER_VII

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Sede Operativa: Piazza Vittorio Emanuele II n° 8 – 27050 – Cervesina (PV)

STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

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

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

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

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

Per ognuno dei nove valori 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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Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
2	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
3	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
4	0.02	0.03	0.02	115,116,123	0.0	0.0	0.0	0,0,0
5	0.02	0.03	0.02	116,116,124	0.0	0.0	0.0	0,0,0
6	0.02	0.03	0.02	116,116,124	0.0	0.0	0.0	0,0,0
7	0.02	0.03	0.02	116,115,124	0.0	0.0	0.0	0,0,0
8	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
9	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
10	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
11	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
12	0.02	0.03	0.02	115,116,123	0.0	0.0	0.0	0,0,0
13	0.02	0.04	0.03	116,116,124	0.0	0.0	0.0	0,0,0
14	0.03	0.05	0.03	116,116,124	0.0	0.0	0.0	0,0,0
15	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
16	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
17	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
18	0.02	0.04	0.03	116,116,124	0.0	0.0	0.0	0,0,0
19	0.01	0.03	0.02	116,115,124	0.0	0.0	0.0	0,0,0
20	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
21	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
22	0.02	0.04	0.03	116,116,124	0.0	0.0	0.0	0,0,0
23	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
24	0.04	0.09	0.06	116,115,124	0.0	0.0	0.0	0,0,0
25	0.05	0.10	0.07	116,116,124	0.0	0.0	0.0	0,0,0
26	0.05	0.12	0.07	116,116,124	0.0	0.0	0.0	0,0,0
27	0.05	0.10	0.06	116,116,124	0.0	0.0	0.0	0,0,0
28	0.03	0.07	0.04	116,116,124	0.0	0.0	0.0	0,0,0
29	0.02	0.04	0.03	116,116,124	0.0	0.0	0.0	0,0,0
30	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
31	0.02	0.03	0.02	115,116,123	0.0	0.0	0.0	0,0,0
32	0.03	0.05	0.03	116,116,124	0.0	0.0	0.0	0,0,0
33	0.04	0.09	0.06	116,115,124	0.0	0.0	0.0	0,0,0
34	0.07	0.14	0.09	115,115,123	0.0	0.0	0.0	0,0,0
35	0.08	0.15	0.11	115,115,123	0.0	0.0	0.0	0,0,0
36	0.11	0.30	0.15	115,115,123	0.0	0.0	0.0	0,0,0
37	0.08	0.16	0.10	115,115,123	0.0	0.0	0.0	0,0,0
38	0.05	0.10	0.06	116,115,124	0.0	0.0	0.0	0,0,0
39	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
40	0.02	0.04	0.02	116,115,124	0.0	0.0	0.0	0,0,0
41	0.02	0.03	0.02	115,116,123	0.0	0.0	0.0	0,0,0
42	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
43	0.05	0.11	0.07	116,116,124	0.0	0.0	0.0	0,0,0
44	0.10	0.20	0.13	115,115,123	0.0	0.0	0.0	0,0,0
45	0.24	0.52	0.32	115,115,123	0.12	0.14	0.14	115,119,123
46	0.23	0.46	0.30	115,115,123	0.11	0.12	0.12	115,119,123
47	0.10	0.20	0.13	115,115,123	0.0	0.0	0.0	0,0,0
48	0.05	0.11	0.07	116,116,124	0.0	0.0	0.0	0,0,0
49	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
50	0.02	0.04	0.02	116,115,124	0.0	0.0	0.0	0,0,0
51	0.02	0.03	0.02	115,116,123	0.0	0.0	0.0	0,0,0
52	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
53	0.05	0.11	0.07	116,116,124	0.0	0.0	0.0	0,0,0
54	0.10	0.20	0.13	115,115,123	0.0	0.0	0.0	0,0,0
55	0.24	0.52	0.32	115,115,123	0.12	0.14	0.14	115,119,123
56	0.23	0.46	0.30	115,115,123	0.11	0.12	0.12	115,119,123
57	0.10	0.20	0.13	115,115,123	0.0	0.0	0.0	0,0,0
58	0.05	0.11	0.07	116,116,124	0.0	0.0	0.0	0,0,0
59	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
60	0.02	0.04	0.02	116,115,124	0.0	0.0	0.0	0,0,0
61	0.02	0.03	0.02	115,116,123	0.0	0.0	0.0	0,0,0
62	0.03	0.05	0.03	116,116,124	0.0	0.0	0.0	0,0,0

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63	0.04	0.09	0.06	116,115,124	0.0	0.0	0.0	0,0,0
64	0.07	0.14	0.09	115,115,123	0.0	0.0	0.0	0,0,0
65	0.08	0.15	0.11	115,115,123	0.0	0.0	0.0	0,0,0
66	0.11	0.30	0.15	115,115,123	0.0	0.0	0.0	0,0,0
67	0.08	0.16	0.10	115,115,123	0.0	0.0	0.0	0,0,0
68	0.05	0.10	0.06	116,115,124	0.0	0.0	0.0	0,0,0
69	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
70	0.02	0.04	0.02	116,115,124	0.0	0.0	0.0	0,0,0
71	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
72	0.02	0.04	0.03	116,116,124	0.0	0.0	0.0	0,0,0
73	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
74	0.04	0.09	0.06	116,115,124	0.0	0.0	0.0	0,0,0
75	0.05	0.10	0.07	116,116,124	0.0	0.0	0.0	0,0,0
76	0.05	0.12	0.07	116,116,124	0.0	0.0	0.0	0,0,0
77	0.05	0.10	0.06	116,116,124	0.0	0.0	0.0	0,0,0
78	0.03	0.07	0.04	116,116,124	0.0	0.0	0.0	0,0,0
79	0.02	0.04	0.03	116,116,124	0.0	0.0	0.0	0,0,0
80	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
81	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
82	0.02	0.03	0.02	115,116,123	0.0	0.0	0.0	0,0,0
83	0.02	0.04	0.03	116,116,124	0.0	0.0	0.0	0,0,0
84	0.03	0.05	0.03	116,116,124	0.0	0.0	0.0	0,0,0
85	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
86	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
87	0.03	0.06	0.04	116,116,124	0.0	0.0	0.0	0,0,0
88	0.02	0.04	0.03	116,116,124	0.0	0.0	0.0	0,0,0
89	0.01	0.03	0.02	116,115,124	0.0	0.0	0.0	0,0,0
90	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
91	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
92	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
93	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
94	0.02	0.03	0.02	115,116,123	0.0	0.0	0.0	0,0,0
95	0.02	0.03	0.02	116,116,124	0.0	0.0	0.0	0,0,0
96	0.02	0.03	0.02	116,116,124	0.0	0.0	0.0	0,0,0
97	0.02	0.03	0.02	116,115,124	0.0	0.0	0.0	0,0,0
98	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
99	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
100	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
101	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
102	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
103	9.23e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
104	5.67e-03	0.01	7.56e-03	116,116,124	0.0	0.0	0.0	0,0,0
105	3.02e-03	6.36e-03	4.03e-03	116,116,124	0.0	0.0	0.0	0,0,0
106	1.33e-03	2.87e-03	1.77e-03	115,116,123	0.0	0.0	0.0	0,0,0
107	4.07e-04	9.71e-04	5.42e-04	116,115,124	0.0	0.0	0.0	0,0,0
108	1.64e-04	3.84e-04	2.18e-04	115,116,123	0.0	0.0	0.0	0,0,0
109	1.36e-04	3.76e-04	1.81e-04	115,116,123	0.0	0.0	0.0	0,0,0
110	1.44e-04	2.55e-04	1.92e-04	115,115,123	0.0	0.0	0.0	0,0,0
111	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
112	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
113	9.00e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
114	5.51e-03	0.01	7.35e-03	116,116,124	0.0	0.0	0.0	0,0,0
115	2.93e-03	6.36e-03	3.90e-03	116,116,124	0.0	0.0	0.0	0,0,0
116	1.27e-03	2.85e-03	1.70e-03	116,116,124	0.0	0.0	0.0	0,0,0
117	3.78e-04	1.01e-03	5.04e-04	115,116,123	0.0	0.0	0.0	0,0,0
118	1.65e-04	4.46e-04	2.21e-04	115,116,123	0.0	0.0	0.0	0,0,0
119	1.36e-04	4.31e-04	1.81e-04	115,116,123	0.0	0.0	0.0	0,0,0
120	1.45e-04	2.78e-04	1.94e-04	116,115,124	0.0	0.0	0.0	0,0,0
121	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
122	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
123	8.40e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
124	5.10e-03	0.01	6.80e-03	116,116,124	0.0	0.0	0.0	0,0,0
125	2.68e-03	6.11e-03	3.57e-03	116,116,124	0.0	0.0	0.0	0,0,0
126	1.15e-03	2.79e-03	1.53e-03	115,115,123	0.0	0.0	0.0	0,0,0
127	3.19e-04	9.82e-04	4.25e-04	116,116,124	0.0	0.0	0.0	0,0,0

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128	1.65e-04	5.10e-04	2.19e-04	116,115,124	0.0	0.0	0.0	0,0,0
129	1.41e-04	4.79e-04	1.88e-04	115,115,123	0.0	0.0	0.0	0,0,0
130	1.50e-04	2.97e-04	2.00e-04	116,115,124	0.0	0.0	0.0	0,0,0
131	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
132	0.01	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
133	7.49e-03	0.02	9.99e-03	115,115,123	0.0	0.0	0.0	0,0,0
134	4.48e-03	0.01	5.98e-03	115,115,123	0.0	0.0	0.0	0,0,0
135	2.32e-03	5.59e-03	3.10e-03	116,116,124	0.0	0.0	0.0	0,0,0
136	9.65e-04	2.59e-03	1.29e-03	116,116,124	0.0	0.0	0.0	0,0,0
137	2.54e-04	9.14e-04	3.38e-04	116,116,124	0.0	0.0	0.0	0,0,0
138	1.68e-04	5.55e-04	2.24e-04	116,116,124	0.0	0.0	0.0	0,0,0
139	1.53e-04	5.16e-04	2.04e-04	116,116,124	0.0	0.0	0.0	0,0,0
140	1.60e-04	3.10e-04	2.13e-04	116,115,124	0.0	0.0	0.0	0,0,0
141	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
142	9.66e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
143	6.40e-03	0.01	8.53e-03	115,115,123	0.0	0.0	0.0	0,0,0
144	3.76e-03	8.97e-03	5.02e-03	116,116,124	0.0	0.0	0.0	0,0,0
145	1.91e-03	4.88e-03	2.54e-03	116,116,124	0.0	0.0	0.0	0,0,0
146	7.57e-04	2.28e-03	1.01e-03	116,116,124	0.0	0.0	0.0	0,0,0
147	2.18e-04	8.34e-04	2.90e-04	115,116,123	0.0	0.0	0.0	0,0,0
148	1.74e-04	6.03e-04	2.31e-04	115,115,123	0.0	0.0	0.0	0,0,0
149	1.63e-04	5.42e-04	2.17e-04	115,115,123	0.0	0.0	0.0	0,0,0
150	1.69e-04	3.15e-04	2.25e-04	116,116,124	0.0	0.0	0.0	0,0,0
151	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
152	9.63e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
153	6.37e-03	0.02	8.49e-03	115,115,123	0.0	0.0	0.0	0,0,0
154	3.72e-03	9.32e-03	4.97e-03	116,116,124	0.0	0.0	0.0	0,0,0
155	1.86e-03	5.17e-03	2.48e-03	116,116,124	0.0	0.0	0.0	0,0,0
156	6.99e-04	2.53e-03	9.32e-04	116,116,124	0.0	0.0	0.0	0,0,0
157	2.17e-04	1.04e-03	2.90e-04	116,116,124	0.0	0.0	0.0	0,0,0
158	1.87e-04	6.52e-04	2.49e-04	116,116,124	0.0	0.0	0.0	0,0,0
159	1.76e-04	5.59e-04	2.35e-04	115,116,123	0.0	0.0	0.0	0,0,0
160	1.77e-04	3.06e-04	2.37e-04	115,115,123	0.0	0.0	0.0	0,0,0
161	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
162	0.01	0.03	0.01	115,115,123	0.0	0.0	0.0	0,0,0
163	7.44e-03	0.02	9.92e-03	115,115,123	0.0	0.0	0.0	0,0,0
164	4.43e-03	0.01	5.91e-03	115,115,123	0.0	0.0	0.0	0,0,0
165	2.26e-03	6.19e-03	3.01e-03	116,116,124	0.0	0.0	0.0	0,0,0
166	8.83e-04	3.07e-03	1.18e-03	116,116,124	0.0	0.0	0.0	0,0,0
167	2.35e-04	1.29e-03	3.13e-04	115,116,123	0.0	0.0	0.0	0,0,0
168	1.97e-04	7.27e-04	2.62e-04	115,115,123	0.0	0.0	0.0	0,0,0
169	1.82e-04	5.74e-04	2.42e-04	115,115,123	0.0	0.0	0.0	0,0,0
170	1.82e-04	3.01e-04	2.43e-04	116,115,124	0.0	0.0	0.0	0,0,0
171	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
172	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
173	8.32e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
174	5.03e-03	0.01	6.70e-03	116,116,124	0.0	0.0	0.0	0,0,0
175	2.60e-03	7.06e-03	3.46e-03	116,116,124	0.0	0.0	0.0	0,0,0
176	1.05e-03	3.52e-03	1.39e-03	115,115,123	0.0	0.0	0.0	0,0,0
177	2.78e-04	1.49e-03	3.70e-04	116,116,124	0.0	0.0	0.0	0,0,0
178	2.04e-04	7.81e-04	2.72e-04	116,116,124	0.0	0.0	0.0	0,0,0
179	1.85e-04	5.88e-04	2.46e-04	116,116,124	0.0	0.0	0.0	0,0,0
180	1.84e-04	3.00e-04	2.45e-04	116,115,124	0.0	0.0	0.0	0,0,0
181	0.01	0.04	0.02	115,115,123	0.0	0.0	0.0	0,0,0
182	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
183	8.89e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
184	5.43e-03	0.01	7.23e-03	116,116,124	0.0	0.0	0.0	0,0,0
185	2.83e-03	7.65e-03	3.77e-03	116,116,124	0.0	0.0	0.0	0,0,0
186	1.16e-03	3.82e-03	1.54e-03	116,116,124	0.0	0.0	0.0	0,0,0
187	3.08e-04	1.63e-03	4.11e-04	115,115,123	0.0	0.0	0.0	0,0,0
188	2.06e-04	8.15e-04	2.75e-04	116,116,124	0.0	0.0	0.0	0,0,0
189	1.84e-04	5.95e-04	2.45e-04	115,116,123	0.0	0.0	0.0	0,0,0
190	1.83e-04	2.97e-04	2.44e-04	115,115,123	0.0	0.0	0.0	0,0,0
191	0.01	0.04	0.02	115,115,123	0.0	0.0	0.0	0,0,0
192	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0

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193	9.09e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
194	5.57e-03	0.01	7.42e-03	116,116,124	0.0	0.0	0.0	0,0,0
195	2.91e-03	7.86e-03	3.88e-03	116,116,124	0.0	0.0	0.0	0,0,0
196	1.20e-03	3.93e-03	1.60e-03	115,115,123	0.0	0.0	0.0	0,0,0
197	3.23e-04	1.67e-03	4.31e-04	116,116,124	0.0	0.0	0.0	0,0,0
198	2.04e-04	8.26e-04	2.73e-04	115,115,123	0.0	0.0	0.0	0,0,0
199	1.80e-04	5.91e-04	2.40e-04	115,115,123	0.0	0.0	0.0	0,0,0
200	1.78e-04	2.89e-04	2.38e-04	116,116,124	0.0	0.0	0.0	0,0,0
201	0.01	0.04	0.02	115,115,123	0.0	0.0	0.0	0,0,0
202	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
203	9.09e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
204	5.57e-03	0.01	7.42e-03	116,116,124	0.0	0.0	0.0	0,0,0
205	2.91e-03	7.86e-03	3.88e-03	116,116,124	0.0	0.0	0.0	0,0,0
206	1.20e-03	3.93e-03	1.60e-03	115,115,123	0.0	0.0	0.0	0,0,0
207	3.23e-04	1.67e-03	4.31e-04	116,116,124	0.0	0.0	0.0	0,0,0
208	2.04e-04	8.26e-04	2.73e-04	115,115,123	0.0	0.0	0.0	0,0,0
209	1.80e-04	5.91e-04	2.40e-04	115,115,123	0.0	0.0	0.0	0,0,0
210	1.78e-04	2.89e-04	2.38e-04	116,116,124	0.0	0.0	0.0	0,0,0
211	0.01	0.04	0.02	115,115,123	0.0	0.0	0.0	0,0,0
212	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
213	8.89e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
214	5.43e-03	0.01	7.23e-03	116,116,124	0.0	0.0	0.0	0,0,0
215	2.83e-03	7.65e-03	3.77e-03	116,116,124	0.0	0.0	0.0	0,0,0
216	1.16e-03	3.82e-03	1.54e-03	116,116,124	0.0	0.0	0.0	0,0,0
217	3.08e-04	1.63e-03	4.11e-04	115,115,123	0.0	0.0	0.0	0,0,0
218	2.06e-04	8.15e-04	2.75e-04	116,116,124	0.0	0.0	0.0	0,0,0
219	1.84e-04	5.95e-04	2.45e-04	115,116,123	0.0	0.0	0.0	0,0,0
220	1.83e-04	2.97e-04	2.44e-04	115,115,123	0.0	0.0	0.0	0,0,0
221	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
222	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
223	8.32e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
224	5.03e-03	0.01	6.70e-03	116,116,124	0.0	0.0	0.0	0,0,0
225	2.60e-03	7.06e-03	3.46e-03	116,116,124	0.0	0.0	0.0	0,0,0
226	1.05e-03	3.52e-03	1.39e-03	115,115,123	0.0	0.0	0.0	0,0,0
227	2.78e-04	1.49e-03	3.70e-04	116,116,124	0.0	0.0	0.0	0,0,0
228	2.04e-04	7.81e-04	2.72e-04	116,116,124	0.0	0.0	0.0	0,0,0
229	1.85e-04	5.88e-04	2.46e-04	116,116,124	0.0	0.0	0.0	0,0,0
230	1.84e-04	3.00e-04	2.45e-04	116,115,124	0.0	0.0	0.0	0,0,0
231	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
232	0.01	0.03	0.01	115,115,123	0.0	0.0	0.0	0,0,0
233	7.44e-03	0.02	9.92e-03	115,115,123	0.0	0.0	0.0	0,0,0
234	4.43e-03	0.01	5.91e-03	115,115,123	0.0	0.0	0.0	0,0,0
235	2.26e-03	6.19e-03	3.01e-03	116,116,124	0.0	0.0	0.0	0,0,0
236	8.82e-04	3.07e-03	1.18e-03	116,116,124	0.0	0.0	0.0	0,0,0
237	2.35e-04	1.29e-03	3.13e-04	115,116,123	0.0	0.0	0.0	0,0,0
238	1.97e-04	7.27e-04	2.62e-04	115,115,123	0.0	0.0	0.0	0,0,0
239	1.82e-04	5.74e-04	2.42e-04	115,115,123	0.0	0.0	0.0	0,0,0
240	1.82e-04	3.01e-04	2.43e-04	116,115,124	0.0	0.0	0.0	0,0,0
241	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
242	9.63e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
243	6.37e-03	0.02	8.49e-03	115,115,123	0.0	0.0	0.0	0,0,0
244	3.72e-03	9.33e-03	4.97e-03	116,116,124	0.0	0.0	0.0	0,0,0
245	1.86e-03	5.17e-03	2.48e-03	116,116,124	0.0	0.0	0.0	0,0,0
246	6.99e-04	2.53e-03	9.32e-04	116,116,124	0.0	0.0	0.0	0,0,0
247	2.17e-04	1.04e-03	2.90e-04	116,116,124	0.0	0.0	0.0	0,0,0
248	1.87e-04	6.51e-04	2.49e-04	116,116,124	0.0	0.0	0.0	0,0,0
249	1.76e-04	5.59e-04	2.35e-04	115,116,123	0.0	0.0	0.0	0,0,0
250	1.77e-04	3.06e-04	2.37e-04	115,115,123	0.0	0.0	0.0	0,0,0
251	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
252	9.66e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
253	6.40e-03	0.01	8.53e-03	115,115,123	0.0	0.0	0.0	0,0,0
254	3.76e-03	8.97e-03	5.02e-03	116,116,124	0.0	0.0	0.0	0,0,0
255	1.91e-03	4.88e-03	2.54e-03	116,116,124	0.0	0.0	0.0	0,0,0
256	7.57e-04	2.28e-03	1.01e-03	116,116,124	0.0	0.0	0.0	0,0,0
257	2.18e-04	8.34e-04	2.91e-04	115,116,123	0.0	0.0	0.0	0,0,0

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258	1.74e-04	6.03e-04	2.31e-04	115,115,123	0.0	0.0	0.0	0,0,0
259	1.63e-04	5.42e-04	2.17e-04	115,115,123	0.0	0.0	0.0	0,0,0
260	1.69e-04	3.15e-04	2.25e-04	116,116,124	0.0	0.0	0.0	0,0,0
261	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
262	0.01	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
263	7.49e-03	0.02	9.99e-03	115,115,123	0.0	0.0	0.0	0,0,0
264	4.48e-03	0.01	5.98e-03	115,115,123	0.0	0.0	0.0	0,0,0
265	2.32e-03	5.59e-03	3.10e-03	116,116,124	0.0	0.0	0.0	0,0,0
266	9.65e-04	2.59e-03	1.29e-03	116,116,124	0.0	0.0	0.0	0,0,0
267	2.54e-04	9.15e-04	3.38e-04	116,116,124	0.0	0.0	0.0	0,0,0
268	1.68e-04	5.55e-04	2.24e-04	116,116,124	0.0	0.0	0.0	0,0,0
269	1.53e-04	5.15e-04	2.04e-04	116,116,124	0.0	0.0	0.0	0,0,0
270	1.60e-04	3.10e-04	2.13e-04	116,115,124	0.0	0.0	0.0	0,0,0
271	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
272	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
273	8.40e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
274	5.10e-03	0.01	6.80e-03	116,116,124	0.0	0.0	0.0	0,0,0
275	2.68e-03	6.11e-03	3.57e-03	116,116,124	0.0	0.0	0.0	0,0,0
276	1.15e-03	2.79e-03	1.53e-03	115,115,123	0.0	0.0	0.0	0,0,0
277	3.19e-04	9.82e-04	4.25e-04	116,116,124	0.0	0.0	0.0	0,0,0
278	1.65e-04	5.10e-04	2.19e-04	116,115,124	0.0	0.0	0.0	0,0,0
279	1.41e-04	4.79e-04	1.88e-04	115,115,123	0.0	0.0	0.0	0,0,0
280	1.50e-04	2.97e-04	2.00e-04	116,115,124	0.0	0.0	0.0	0,0,0
281	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
282	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
283	9.01e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
284	5.52e-03	0.01	7.35e-03	116,116,124	0.0	0.0	0.0	0,0,0
285	2.93e-03	6.36e-03	3.90e-03	116,116,124	0.0	0.0	0.0	0,0,0
286	1.27e-03	2.85e-03	1.70e-03	116,116,124	0.0	0.0	0.0	0,0,0
287	3.78e-04	1.01e-03	5.04e-04	115,116,123	0.0	0.0	0.0	0,0,0
288	1.65e-04	4.46e-04	2.21e-04	115,116,123	0.0	0.0	0.0	0,0,0
289	1.36e-04	4.31e-04	1.81e-04	115,116,123	0.0	0.0	0.0	0,0,0
290	1.45e-04	2.78e-04	1.94e-04	116,115,124	0.0	0.0	0.0	0,0,0
291	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
292	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
293	9.23e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
294	5.67e-03	0.01	7.56e-03	116,116,124	0.0	0.0	0.0	0,0,0
295	3.02e-03	6.36e-03	4.03e-03	116,116,124	0.0	0.0	0.0	0,0,0
296	1.33e-03	2.87e-03	1.77e-03	115,116,123	0.0	0.0	0.0	0,0,0
297	4.07e-04	9.71e-04	5.42e-04	116,115,124	0.0	0.0	0.0	0,0,0
298	1.64e-04	3.84e-04	2.18e-04	115,116,123	0.0	0.0	0.0	0,0,0
299	1.36e-04	3.76e-04	1.81e-04	115,116,123	0.0	0.0	0.0	0,0,0
300	1.44e-04	2.55e-04	1.92e-04	115,115,123	0.0	0.0	0.0	0,0,0
301	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
302	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
303	9.22e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
304	5.65e-03	0.01	7.54e-03	116,116,124	0.0	0.0	0.0	0,0,0
305	3.00e-03	6.26e-03	4.00e-03	116,116,124	0.0	0.0	0.0	0,0,0
306	1.30e-03	2.75e-03	1.73e-03	116,115,124	0.0	0.0	0.0	0,0,0
307	4.02e-04	8.69e-04	5.35e-04	115,116,123	0.0	0.0	0.0	0,0,0
308	1.52e-04	3.35e-04	2.03e-04	115,115,123	0.0	0.0	0.0	0,0,0
309	1.28e-04	3.17e-04	1.71e-04	116,115,124	0.0	0.0	0.0	0,0,0
310	1.36e-04	2.71e-04	1.81e-04	115,116,123	0.0	0.0	0.0	0,0,0
311	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
312	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
313	9.03e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
314	5.52e-03	0.01	7.36e-03	116,116,124	0.0	0.0	0.0	0,0,0
315	2.92e-03	5.82e-03	3.90e-03	116,116,124	0.0	0.0	0.0	0,0,0
316	1.27e-03	2.48e-03	1.69e-03	116,116,124	0.0	0.0	0.0	0,0,0
317	3.65e-04	7.19e-04	4.87e-04	116,115,124	0.0	0.0	0.0	0,0,0
318	1.29e-04	4.56e-04	1.72e-04	116,116,124	0.0	0.0	0.0	0,0,0
319	1.13e-04	4.29e-04	1.51e-04	116,115,124	0.0	0.0	0.0	0,0,0
320	1.16e-04	4.03e-04	1.54e-04	115,115,123	0.0	0.0	0.0	0,0,0
321	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
322	0.01	0.02	0.02	115,115,123	0.0	0.0	0.0	0,0,0

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323	8.45e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
324	5.12e-03	9.93e-03	6.83e-03	116,116,124	0.0	0.0	0.0	0,0,0
325	2.70e-03	5.10e-03	3.60e-03	116,116,124	0.0	0.0	0.0	0,0,0
326	1.16e-03	2.07e-03	1.55e-03	115,115,123	0.0	0.0	0.0	0,0,0
327	3.28e-04	7.17e-04	4.37e-04	116,116,124	0.0	0.0	0.0	0,0,0
328	1.05e-04	5.72e-04	1.40e-04	116,116,124	0.0	0.0	0.0	0,0,0
329	1.16e-04	5.59e-04	1.55e-04	116,116,124	0.0	0.0	0.0	0,0,0
330	8.75e-05	5.34e-04	1.17e-04	116,116,124	0.0	0.0	0.0	0,0,0
331	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
332	0.01	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
333	7.56e-03	0.01	0.01	115,115,123	0.0	0.0	0.0	0,0,0
334	4.53e-03	8.46e-03	6.04e-03	115,115,123	0.0	0.0	0.0	0,0,0
335	2.36e-03	4.21e-03	3.15e-03	116,116,124	0.0	0.0	0.0	0,0,0
336	1.00e-03	1.61e-03	1.34e-03	116,116,124	0.0	0.0	0.0	0,0,0
337	2.67e-04	7.88e-04	3.56e-04	116,115,124	0.0	0.0	0.0	0,0,0
338	8.16e-05	6.73e-04	1.09e-04	115,115,123	0.0	0.0	0.0	0,0,0
339	1.16e-04	6.70e-04	1.54e-04	115,116,123	0.0	0.0	0.0	0,0,0
340	6.12e-05	6.50e-04	8.17e-05	116,116,124	0.0	0.0	0.0	0,0,0
341	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
342	9.81e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
343	6.48e-03	0.01	8.64e-03	115,115,123	0.0	0.0	0.0	0,0,0
344	3.82e-03	6.84e-03	5.09e-03	116,116,124	0.0	0.0	0.0	0,0,0
345	1.97e-03	3.27e-03	2.62e-03	116,116,124	0.0	0.0	0.0	0,0,0
346	8.16e-04	1.15e-03	1.09e-03	116,116,124	0.0	0.0	0.0	0,0,0
347	1.95e-04	8.44e-04	2.60e-04	116,116,124	0.0	0.0	0.0	0,0,0
348	8.79e-05	7.56e-04	1.17e-04	115,115,123	0.0	0.0	0.0	0,0,0
349	1.11e-04	7.62e-04	1.48e-04	116,115,124	0.0	0.0	0.0	0,0,0
350	5.62e-05	7.51e-04	7.49e-05	115,115,123	0.0	0.0	0.0	0,0,0
351	0.01	0.02	0.02	115,115,123	0.0	0.0	0.0	0,0,0
352	9.83e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
353	6.49e-03	0.01	8.66e-03	115,115,123	0.0	0.0	0.0	0,0,0
354	3.84e-03	6.52e-03	5.12e-03	116,116,124	0.0	0.0	0.0	0,0,0
355	1.99e-03	3.02e-03	2.65e-03	116,116,124	0.0	0.0	0.0	0,0,0
356	8.40e-04	1.19e-03	1.12e-03	116,115,124	0.0	0.0	0.0	0,0,0
357	2.30e-04	9.64e-04	3.07e-04	116,115,124	0.0	0.0	0.0	0,0,0
358	9.37e-05	8.56e-04	1.25e-04	116,115,124	0.0	0.0	0.0	0,0,0
359	9.86e-05	8.62e-04	1.32e-04	115,116,123	0.0	0.0	0.0	0,0,0
360	4.79e-05	8.51e-04	6.39e-05	115,116,123	0.0	0.0	0.0	0,0,0
361	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
362	0.01	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
363	7.58e-03	0.01	0.01	115,115,123	0.0	0.0	0.0	0,0,0
364	4.54e-03	7.73e-03	6.06e-03	115,115,123	0.0	0.0	0.0	0,0,0
365	2.38e-03	3.64e-03	3.18e-03	116,116,124	0.0	0.0	0.0	0,0,0
366	1.03e-03	1.32e-03	1.37e-03	116,116,124	0.0	0.0	0.0	0,0,0
367	2.91e-04	1.05e-03	3.88e-04	116,116,124	0.0	0.0	0.0	0,0,0
368	9.50e-05	9.27e-04	1.27e-04	115,116,123	0.0	0.0	0.0	0,0,0
369	9.99e-05	9.25e-04	1.33e-04	115,116,123	0.0	0.0	0.0	0,0,0
370	4.79e-05	9.21e-04	6.39e-05	116,116,124	0.0	0.0	0.0	0,0,0
371	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
372	0.01	0.02	0.02	115,115,123	0.0	0.0	0.0	0,0,0
373	8.49e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
374	5.15e-03	8.76e-03	6.86e-03	116,116,124	0.0	0.0	0.0	0,0,0
375	2.72e-03	4.20e-03	3.63e-03	116,116,124	0.0	0.0	0.0	0,0,0
376	1.19e-03	1.47e-03	1.59e-03	115,115,123	0.0	0.0	0.0	0,0,0
377	3.50e-04	1.11e-03	4.66e-04	116,116,124	0.0	0.0	0.0	0,0,0
378	9.32e-05	9.81e-04	1.24e-04	116,116,124	0.0	0.0	0.0	0,0,0
379	1.05e-04	9.67e-04	1.40e-04	116,116,124	0.0	0.0	0.0	0,0,0
380	4.95e-05	9.70e-04	6.59e-05	115,116,123	0.0	0.0	0.0	0,0,0
381	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
382	0.01	0.02	0.02	115,115,123	0.0	0.0	0.0	0,0,0
383	9.08e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
384	5.55e-03	9.46e-03	7.40e-03	116,116,124	0.0	0.0	0.0	0,0,0
385	2.96e-03	4.58e-03	3.94e-03	116,116,124	0.0	0.0	0.0	0,0,0
386	1.30e-03	1.60e-03	1.74e-03	116,116,124	0.0	0.0	0.0	0,0,0
387	3.92e-04	1.15e-03	5.22e-04	115,115,123	0.0	0.0	0.0	0,0,0

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388	9.11e-05	1.02e-03	1.21e-04	116,115,124	0.0	0.0	0.0	0,0,0
389	1.08e-04	9.92e-04	1.44e-04	116,115,124	0.0	0.0	0.0	0,0,0
390	5.11e-05	9.99e-04	6.81e-05	115,116,123	0.0	0.0	0.0	0,0,0
391	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
392	0.01	0.02	0.02	115,115,123	0.0	0.0	0.0	0,0,0
393	9.30e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
394	5.70e-03	9.71e-03	7.60e-03	116,116,124	0.0	0.0	0.0	0,0,0
395	3.04e-03	4.71e-03	4.05e-03	116,116,124	0.0	0.0	0.0	0,0,0
396	1.34e-03	1.65e-03	1.79e-03	115,115,123	0.0	0.0	0.0	0,0,0
397	4.08e-04	1.17e-03	5.43e-04	116,115,124	0.0	0.0	0.0	0,0,0
398	8.96e-05	1.03e-03	1.20e-04	116,115,124	0.0	0.0	0.0	0,0,0
399	1.09e-04	9.97e-04	1.46e-04	115,115,123	0.0	0.0	0.0	0,0,0
400	5.27e-05	1.01e-03	7.03e-05	116,115,124	0.0	0.0	0.0	0,0,0
401	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
402	0.01	0.02	0.02	115,115,123	0.0	0.0	0.0	0,0,0
403	9.30e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
404	5.70e-03	9.71e-03	7.60e-03	116,116,124	0.0	0.0	0.0	0,0,0
405	3.04e-03	4.71e-03	4.05e-03	116,116,124	0.0	0.0	0.0	0,0,0
406	1.34e-03	1.65e-03	1.79e-03	115,115,123	0.0	0.0	0.0	0,0,0
407	4.08e-04	1.17e-03	5.43e-04	116,115,124	0.0	0.0	0.0	0,0,0
408	8.96e-05	1.03e-03	1.20e-04	116,115,124	0.0	0.0	0.0	0,0,0
409	1.09e-04	9.97e-04	1.46e-04	115,115,123	0.0	0.0	0.0	0,0,0
410	5.27e-05	1.01e-03	7.03e-05	116,115,124	0.0	0.0	0.0	0,0,0
411	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
412	0.01	0.02	0.02	115,115,123	0.0	0.0	0.0	0,0,0
413	9.08e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
414	5.55e-03	9.46e-03	7.40e-03	116,116,124	0.0	0.0	0.0	0,0,0
415	2.96e-03	4.58e-03	3.94e-03	116,116,124	0.0	0.0	0.0	0,0,0
416	1.30e-03	1.60e-03	1.74e-03	116,116,124	0.0	0.0	0.0	0,0,0
417	3.92e-04	1.15e-03	5.22e-04	115,115,123	0.0	0.0	0.0	0,0,0
418	9.11e-05	1.02e-03	1.21e-04	116,115,124	0.0	0.0	0.0	0,0,0
419	1.08e-04	9.92e-04	1.44e-04	116,115,124	0.0	0.0	0.0	0,0,0
420	5.11e-05	9.99e-04	6.81e-05	115,116,123	0.0	0.0	0.0	0,0,0
421	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
422	0.01	0.02	0.02	115,115,123	0.0	0.0	0.0	0,0,0
423	8.49e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
424	5.15e-03	8.76e-03	6.86e-03	116,116,124	0.0	0.0	0.0	0,0,0
425	2.72e-03	4.19e-03	3.63e-03	116,116,124	0.0	0.0	0.0	0,0,0
426	1.19e-03	1.47e-03	1.59e-03	115,115,123	0.0	0.0	0.0	0,0,0
427	3.50e-04	1.11e-03	4.66e-04	116,116,124	0.0	0.0	0.0	0,0,0
428	9.32e-05	9.81e-04	1.24e-04	116,116,124	0.0	0.0	0.0	0,0,0
429	1.05e-04	9.67e-04	1.40e-04	116,116,124	0.0	0.0	0.0	0,0,0
430	4.95e-05	9.70e-04	6.59e-05	115,116,123	0.0	0.0	0.0	0,0,0
431	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
432	0.01	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
433	7.58e-03	0.01	0.01	115,115,123	0.0	0.0	0.0	0,0,0
434	4.54e-03	7.72e-03	6.06e-03	115,115,123	0.0	0.0	0.0	0,0,0
435	2.38e-03	3.64e-03	3.18e-03	116,116,124	0.0	0.0	0.0	0,0,0
436	1.03e-03	1.32e-03	1.37e-03	116,116,124	0.0	0.0	0.0	0,0,0
437	2.91e-04	1.05e-03	3.88e-04	116,116,124	0.0	0.0	0.0	0,0,0
438	9.50e-05	9.27e-04	1.27e-04	115,116,123	0.0	0.0	0.0	0,0,0
439	9.99e-05	9.25e-04	1.33e-04	115,116,123	0.0	0.0	0.0	0,0,0
440	4.79e-05	9.21e-04	6.39e-05	116,116,124	0.0	0.0	0.0	0,0,0
441	0.01	0.02	0.02	115,115,123	0.0	0.0	0.0	0,0,0
442	9.83e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
443	6.49e-03	0.01	8.66e-03	115,115,123	0.0	0.0	0.0	0,0,0
444	3.84e-03	6.52e-03	5.12e-03	116,116,124	0.0	0.0	0.0	0,0,0
445	1.99e-03	3.02e-03	2.65e-03	116,116,124	0.0	0.0	0.0	0,0,0
446	8.40e-04	1.19e-03	1.12e-03	116,115,124	0.0	0.0	0.0	0,0,0
447	2.30e-04	9.64e-04	3.07e-04	116,115,124	0.0	0.0	0.0	0,0,0
448	9.37e-05	8.55e-04	1.25e-04	116,115,124	0.0	0.0	0.0	0,0,0
449	9.86e-05	8.62e-04	1.32e-04	115,116,123	0.0	0.0	0.0	0,0,0
450	4.79e-05	8.51e-04	6.39e-05	115,116,123	0.0	0.0	0.0	0,0,0
451	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
452	9.81e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0

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453	6.48e-03	0.01	8.64e-03	115,115,123	0.0	0.0	0.0	0,0,0
454	3.82e-03	6.84e-03	5.09e-03	116,116,124	0.0	0.0	0.0	0,0,0
455	1.97e-03	3.27e-03	2.62e-03	116,116,124	0.0	0.0	0.0	0,0,0
456	8.16e-04	1.15e-03	1.09e-03	116,116,124	0.0	0.0	0.0	0,0,0
457	1.95e-04	8.44e-04	2.60e-04	116,116,124	0.0	0.0	0.0	0,0,0
458	8.79e-05	7.56e-04	1.17e-04	115,115,123	0.0	0.0	0.0	0,0,0
459	1.11e-04	7.62e-04	1.48e-04	116,115,124	0.0	0.0	0.0	0,0,0
460	5.62e-05	7.51e-04	7.49e-05	115,115,123	0.0	0.0	0.0	0,0,0
461	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
462	0.01	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
463	7.56e-03	0.01	0.01	115,115,123	0.0	0.0	0.0	0,0,0
464	4.53e-03	8.45e-03	6.04e-03	115,115,123	0.0	0.0	0.0	0,0,0
465	2.36e-03	4.21e-03	3.15e-03	116,116,124	0.0	0.0	0.0	0,0,0
466	1.00e-03	1.61e-03	1.34e-03	116,116,124	0.0	0.0	0.0	0,0,0
467	2.67e-04	7.88e-04	3.56e-04	116,115,124	0.0	0.0	0.0	0,0,0
468	8.16e-05	6.73e-04	1.09e-04	115,115,123	0.0	0.0	0.0	0,0,0
469	1.16e-04	6.70e-04	1.54e-04	115,116,123	0.0	0.0	0.0	0,0,0
470	6.12e-05	6.50e-04	8.16e-05	116,116,124	0.0	0.0	0.0	0,0,0
471	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
472	0.01	0.02	0.02	115,115,123	0.0	0.0	0.0	0,0,0
473	8.45e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
474	5.12e-03	9.93e-03	6.83e-03	116,116,124	0.0	0.0	0.0	0,0,0
475	2.70e-03	5.10e-03	3.60e-03	116,116,124	0.0	0.0	0.0	0,0,0
476	1.16e-03	2.07e-03	1.55e-03	115,115,123	0.0	0.0	0.0	0,0,0
477	3.28e-04	7.17e-04	4.37e-04	116,116,124	0.0	0.0	0.0	0,0,0
478	1.05e-04	5.72e-04	1.40e-04	116,116,124	0.0	0.0	0.0	0,0,0
479	1.16e-04	5.59e-04	1.55e-04	116,116,124	0.0	0.0	0.0	0,0,0
480	8.75e-05	5.34e-04	1.17e-04	116,116,124	0.0	0.0	0.0	0,0,0
481	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
482	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
483	9.03e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
484	5.52e-03	0.01	7.36e-03	116,116,124	0.0	0.0	0.0	0,0,0
485	2.92e-03	5.82e-03	3.90e-03	116,116,124	0.0	0.0	0.0	0,0,0
486	1.27e-03	2.48e-03	1.69e-03	116,116,124	0.0	0.0	0.0	0,0,0
487	3.65e-04	7.19e-04	4.87e-04	116,115,124	0.0	0.0	0.0	0,0,0
488	1.29e-04	4.56e-04	1.72e-04	116,116,124	0.0	0.0	0.0	0,0,0
489	1.13e-04	4.29e-04	1.51e-04	116,115,124	0.0	0.0	0.0	0,0,0
490	1.16e-04	4.03e-04	1.54e-04	115,115,123	0.0	0.0	0.0	0,0,0
491	0.02	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
492	0.01	0.03	0.02	115,115,123	0.0	0.0	0.0	0,0,0
493	9.22e-03	0.02	0.01	115,115,123	0.0	0.0	0.0	0,0,0
494	5.65e-03	0.01	7.54e-03	116,116,124	0.0	0.0	0.0	0,0,0
495	3.00e-03	6.26e-03	4.00e-03	116,116,124	0.0	0.0	0.0	0,0,0
496	1.30e-03	2.75e-03	1.73e-03	116,115,124	0.0	0.0	0.0	0,0,0
497	4.02e-04	8.69e-04	5.35e-04	115,116,123	0.0	0.0	0.0	0,0,0
498	1.52e-04	3.35e-04	2.03e-04	115,115,123	0.0	0.0	0.0	0,0,0
499	1.28e-04	3.17e-04	1.71e-04	116,115,124	0.0	0.0	0.0	0,0,0
500	1.36e-04	2.71e-04	1.81e-04	115,116,123	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	wR	wF	wP
	0.24	0.52	0.32	0.12	0.14	0.14

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VERIFICA DELLA PAVIMENTAZIONE

PAVIMENTAZIONE

CARATTERISTICHE DEI MATERIALI

CALCESTRUZZO			
- CLASSE DI RESISTENZA	C	35/45	
ACCIAIO			
- CLASSE DI RESISTENZA	B	450	C
TERRENO			
- COEFFICIENTE DI WINKLER		INSERITO	
	k =	0,49	kg/cm^3
PAVIMENTAZIONE			
- SPESSORE	H =	35	cm

CARICO

- METODO DI CALCOLO		MODELLAZIONE FEM	
- TIPO DI CARICO		CONCENTRATO	
- CARICO DI PROGETTO	P =	30000	kg
- DIMENSIONI IMPRONTA DI CARICO			
	L1 =	10	cm
	L2 =	200	cm
- MOMENTO AGENTE DA MODELLAZIONE FEM			
	M+,max	15015	kgm/m
	M-,max	972	kgm/m

RETE DI ARMATURA

	CENTRO	BORDO
	○ NESSUNA RETE ○ SOLO SOTTO ○ SOLO SOPRA ● SOPRA E SOTTO	○ NESSUNA RETE ○ SOLO SOTTO ○ SOLO SOPRA ● SOPRA E SOTTO
RETE SUPERIORE	UTENTE ϕ = 16 mm PASSO = 10 cm	UTENTE ϕ = 16 mm PASSO = 10 cm
RETE INFERIORE	UTENTE ϕ = 16 mm PASSO = 10 cm	UTENTE ϕ = 16 mm PASSO = 10 cm

- DISTANZA INTRADOSSO-RETE SUPERIORE	dsup =	30,0	cm
- DISTANZA INTRADOSSO-RETE INFERIORE	dinf =	5	cm

VARIAZIONE TERMICA

PRESENTE

	α =	0,000012	
	ΔTm =	27	°C
	ε =	0,000324	
	ϕ =	2	
	ψ =	1	

MOMENTO AGENTE	CENTRO	BORDO
		posizione: ANGOLO
	σ 41,24 kg/cmq	σ 82,48 kg/cmq
	MEd 8419,52 kgfm/m	MEd 16839,04 kgfm/m

RITIRO DEL CALCESTRUZZO

PRESENTE

	ε =	400	
	ϕ =	5	
	μ =	<0,5	
	ψ =	0,2	
	Υ =	1,3	
	d =	30	cm

MOMENTO AGENTE	CENTRO	BORDO
		posizione: BORDO
	σ = 5,09 kg/cmq	σ = 2,55 kg/cmq
	MEd = 992,78 kgm/m	MEd = 496,39 kgm/m

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VERIFICA SLU							
	CENTRO			BORDO			
	M_{Ed}	24427,30	kgm	M_{Ed}	18307,43	kgm	
	$M_{Rd,arm}$	27536,74	kgm	$M_{Rd,arm}$	27536,74	kgm	
	$M_{Rd,fibra}$	0,00	kgm	$M_{Rd,fibra}$	0,00	kgm	
	$M_{Rd,tot}$	27536,74	kgm	$M_{Rd,tot}$	27536,74	kgm	
	VERIFICATO			VERIFICATO			
	CS =	1,13		CS =	1,50		

PUNZONAMENTO					
- DIMENSIONI IMPRONTA DI CARICO					
			L1 =	10	cm
			L2 =	200	cm
- POSIZIONE CARICO		BORDO2			
- ECCENTRICITA' CARICO		ECCENTRICO			
- PERIMETRO IMPRONTA CARICO			u_0 =	4200	mm
- PERIMETRO DI PROGETTO	AUTOMATICO		u1 =	4600	mm
Verifica su u_0 - taglio agente		V_{Ed0}		0,50	MPa
Verifica su u_0 - taglio resistente		$V_{Rd,max}$		6,30	MPa
	VERIFICATO		CS =	12,60	
Verifica su u_1 - taglio agente		V_{Ed1}		0,46	MPa
Verifica su u_1 - taglio resistente		$V_{Rd,c}$		0,67	MPa
	VERIFICATO		CS =	1,47	

VERIFICHE SLE							
VERIFICA S.L. LIMITAZIONE DELLE TENSIONI COMB. Q.P.							
	CENTRO			BORDO			
CLS COMPRESSO	σ_c	91,03	kg/cm^2	σ_c	71,67	kg/cm^2	
	0,45*f_{ck}	168,08	kg/cm^2	0,45*f_{ck}	168,08	kg/cm^2	
	VERIFICATO			VERIFICATO			
	CS =	1,85		CS =	2,35		
ARMATURA SUP	σ'_s	1601,78	kg/cm^2	σ_s	2307,44	kg/cm^2	
	0,8*f_{yk}	3600,00	kg/cm^2	0,8*f_{yk}	3600,00	kg/cm^2	
	VERIFICATO			VERIFICATO			
	CS =	2,25		CS =	1,56		
ARMATURA INF	σ_s	1601,78	kg/cm^2	σ'_s	553,87	kg/cm^2	
	0,8*f_{yk}	3600,00	kg/cm^2	0,8*f_{yk}	3600,00	kg/cm^2	
	VERIFICATO			VERIFICATO			
	CS =	2,25		CS =	6,50		
VERIFICA S.L. FORMAZIONE DELLE FESSURE							
	CENTRO			BORDO			
	SEZ FESSURATA			SEZ FESSURATA			
TRAZIONE CLS / AMPIEZZA FESSURE	wk	0,02	mm	wk	0,11	mm	
	CLASSE DI ESPOSIZIONE			XS3			
	wn	0,2	mm	wn	0,2	mm	
	VERIFICATO			VERIFICATO			
	CS =	10,33		CS =	1,77		

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