0	Ott. 2023	Prima emissione				
Revisione	Data	Oggetto Revisione	Redatto	Controllato	Verificato	Approvato

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COORDINAMENTO PROGETTAZIONE	
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Progetto Strutturale Dott.Ing.Davide Barilli - BD INGEGNERIA STP S.r.l. Piazza R.Baldini, 4/28 – 16149 – GE Tel.+39010532074 – E-mail: studio@bdingegneria.com Part.I.V.A.: 02533670994	Progettazione Opere Fluviali Dott.Ing.Giampiero Nobile – OAC INNOVATION S.r.l. Via di Sottoripa, 1A/81 – 16124 – GE Tel.+390108698603 – E-mail: gnobile@oacingegneria.com Part.I.V.A.: 02790430991
Progetto Impianti Dott.Ing.Maurizio Cambiaso – CAMBIASO INGEGNERIA S.r.l. Piazza della Vittoria, 15/23 – 16121 – GE Tel.+390108690286 – E-mail: cambiaso.maurizio@gmail.com Part.I.V.A.: 02360420992	Progettazione Geologica Dott.Geol.Andrea Guardiani Piazza S.Benedetto, 8 - 18018 – Taggia – IM Tel.+390184475874 – E-mail: aguardiani.ag@gmail.com Part.I.V.A.: 01277730089
Progettazione Acustica Dott.Ing.Gianluca Agliata Via Montelungo, 80/2 – 16133 – GE Tel.+393356116854 – E-mail: gianluca.agliata@gmail.com Part.I.V.A.: 01438460998	Progettazione Geologica Dott.Geol.Paolo Anfossi Via Lungo Argentina, 19 - 18018 – Taggia – IM Tel.+393937684781 – E-mail: anfossipaolo@libero.it Part.I.V.A.: 01532840087
Progettazione Geologica Dott.Geol.Stefano Romanelli Piazza S.Giovanni, 9/3 – 16043 – Chiavari – GE Tel.+390185312417 – E-mail: romanelli.stefano@libero.it Part.I.V.A.: 02318810302	Rilievi Geom.Alberto Centenari – 4geo Via Colombo, 13 – 16121 – GE Tel.+390105957355 – E-mail: centenari@4geo.it Part.I.V.A.: 03787920101

Intervento/Opera	Scala	Data
Realizzazione di una struttura dedicata alla nautica da diporto a Genova Pegli – Procedimento previsto dal D.P.R.2/12/1997 n.509 PROGETTO DEFINITIVO	-	03 Ottobre 2023
Oggetto della Tavola Relazione di calcolo magazzini sul molo		Tavola n° D-STR-PR-D005-0
Livello di Progettazione	DEFINITIVO	

INDICE

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Cod.Fisc.- Part.I.V.A.02533670994

01. PREMESSA

Nell'ambito della progettazione che prevede la realizzazione del porticciolo turistico dedicato alla nautica da diporto per 647 posti barca e 250 posti auto da realizzarsi nello specchio acqueo di Genova Pegli, saranno realizzate al di sopra del piano di banchina e del conseguente riempimento a tergo delle opere marittime, diverse opere necessarie per la realizzazione delle infrastrutture e dei corpi di fabbrica a corredo del complesso nautico oggetto della presente progettazione.

Tali manufatti oggetto della presente progettazione risultano:

- opere di contenimento del terrapieno da realizzarsi tra l'attuale scarpata di massi e le nuove opere di banchina, oltre che di raccordo con Via Zaccaria;
- opere infrastrutturali relative alla nuova foce del rio Sacchi-Grillé con realizzazione di vasca di sedimentazione e nuovi muri andatori d'argine dello stesso rio, con ponte carrabile e ponte pedonale;
- opere civili relative alla formazione di nuovi volumi a destinati alla nautica posti in fregio al muro di contenimento del riempimento verso Via Zaccaria;
- opere civili relative alla realizzazione di locali depositi sottostanti alla passeggiata pedonale sul nuovo molo di protezione;
- opere relative all'arredo urbano tra cui locali servizi, pergolati per auto, ecc.

Nella presente relazione saranno descritte e valutate strutturalmente le strutture relative ai magazzini da realizzarsi sl molo.

02. DESCRIZIONE DEI LUOGHI

Con riferimento a quanto riportato in premessa, sulla scorta delle indicazioni geologiche derivanti dalle indagini in sito e dalle caratteristiche dei riempimenti riportati dai progettisti delle opere marittime, nella presente relazione sono riportate le verifiche delle opere relative ai magazzini da realizzarsi sul molo di protezione.

03. VALUTAZIONI SULLA VITA DELL'OPERA STRUTTURALE

Mediante l'ausilio del calcolatore sono stati verificati gli elementi strutturali, in virtù delle azioni che gravano su di essi in considerazione della Vita Nominale pari a V_N=50 anni ed una Classe d'uso II, per il quale si valuta un coefficiente d'uso c_u= 1.0.
Dette azioni sono poi combinate secondo i coefficienti di combinazione funzione della categoria dell'azione in relazione alla struttura e/o di parte di essa.

04. VALIDAZIONE DELLA MODELLAZIONE

Al fine di elaborare il comportamento strutturale alle azioni che si prevedono sul modello in oggetto, per la realizzazione delle nuove strutture si è impiegato il software 2SI - PROSAP vers.21.9.1

In coerenza con le prescrizioni del paragrafo 10.2 e relativi sottoparagrafi delle NTC-18, il modello di calcolo fonisce tutte le informazioni necessarie, dai dati di input ai risultati, in modo tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità.

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 2021-09-193)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	BD INGEGNERIA S.r.l.
Codice Utente:	00521cli
Codice Licenza:	Licenza dsi4627

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

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

05. COEFFICIENTI RELATIVI AI CARICHI PROPRI, PERMANENTI E VARIABILI

In considerazione ai coefficienti parziali relativi alle diverse azioni, per le verifiche strutturali allo Stato Limite Ultimo, si sono considerati i seguenti coefficienti:

- carichi permanenti strutturali: $\gamma_{Gi} = 1,3$;
- carichi permanenti non strutturali: $\gamma_{G2} = 1,5$;
- carichi variabili: $\gamma_{Qi} = 1,5$;

e combinati secondo le indicazioni del cap.2.5.3 del D.M.17/01/18 e della Circ.n.7 del 21/01/19.

06. ANALISI DEI CARICHI

Oltre al peso proprio delle strutture in c.ae ed i carichi permanenti portati, costiuti dalle finiture, poiché la copertura dei magazini costituisce un camminamento pubblico, è stato considerato un sovraccarico ppari a 500 daN/mq.

07. FINALITÀ DEL PRESENTE PROGETTO ESECUTIVO

L'intervento in oggetto, ai sensi del D.M.17/01/18 e della Circ.7 del 21/01/19, sarà inquadrtato come nuova costruzione.

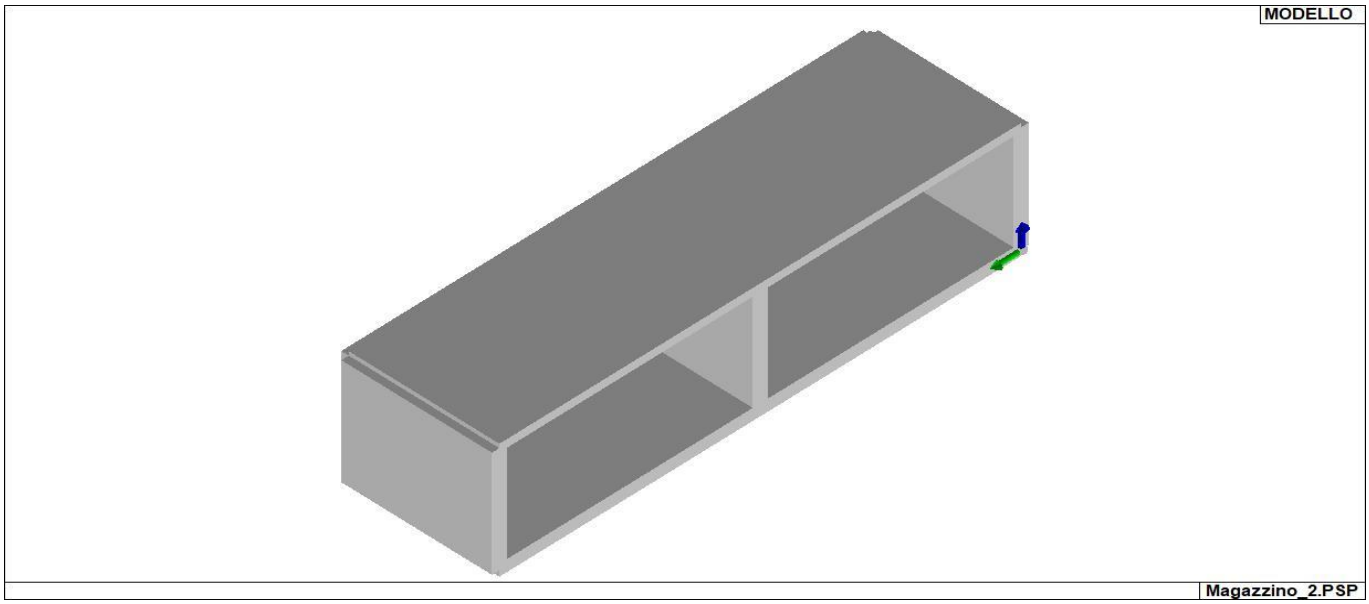
08. NORMATIVA APPLICATA

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
8. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
22. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali – Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.
31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.

34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

09. VERIFICA DELLA STRUTTURA

Con l'ausilio del calcolatore si è provveduto alla verifica della struttura metalllica delle pergole secondo il modello sotto riportato.



INT_VISTA_SOLIDA_001

09.1 Caratteristiche dei materiali utilizzati

09.1.1 Legenda tabella dati materiali

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

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

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

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

Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficinete di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

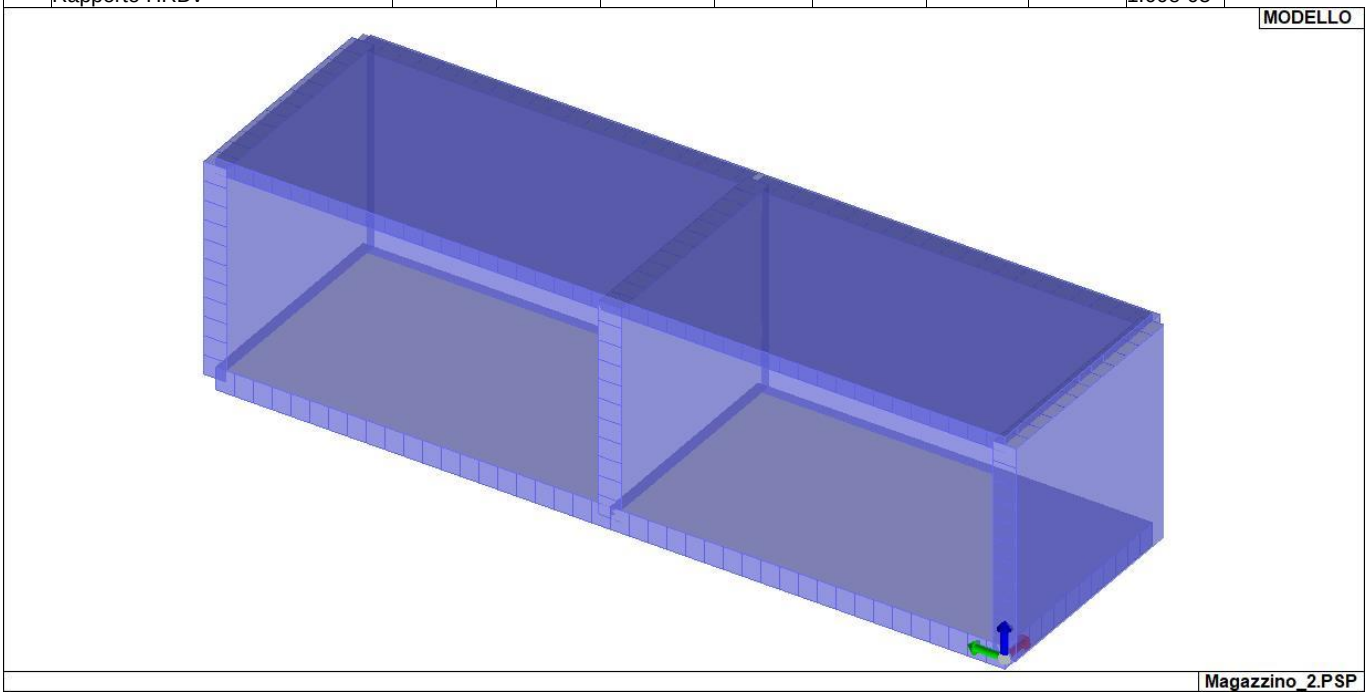
I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	c.a.		
		Resistenza Rc	resistenza a cmpressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio		
		Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		
		Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
		Incremento resistenza	Incremento conseguito in termini di resistenza
		Incremento rigidezza	Incremento conseguito in termini di rigidezza
		Resistenza f	Valore della resistenza a compressione
		Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
		Resistenza fh	Valore della resistenza a compressione orizzontale
		Resistenza fb	Valore della resistenza a compressione dei blocchi
		Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
		Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
		Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
		Resistenza fvlim	Valore della massima resistenza a taglio
		Resistenza fbt	Valore della resistenza a trazione dei blocchi
		Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio (tipicamente 0.4)
		Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno		
		E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
		Resistenza fc0	Valore della resistenza a compressione parallela
		Resistenza ft0	Valore della resistenza a trazione parallela
		Resistenza fm	Valore della resistenza a flessione
		Resistenza fv	Valore della resistenza a taglio
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

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

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

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
6	Calcestruzzo Classe C35/45			3.463e+05	0.20	1.443e+05	2.50e-03	1.00e-05	
	Resistenza Rc	450.0							
	Resistenza fctm		33.5						
	Rapporto Rfessurata (assiale)								1.00
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05



MOD_MATERIALI_D3

Pareti c.a.	1/7/..	2/8/..
Generalità		
Progetto armatura	Singolo elemento	Singolo elemento FONDAZIONE
Armatura		
Inclinazione Av [gradi]	90.00	90.00
Angolo Av-Ao [gradi]	90.00	90.00
Minima tesa	0.20	0.20
Massima tesa	4.00	4.00
Maglia unica centrale	NO	NO
Unico strato verticale	NO	NO
Unico strato orizzontale	NO	NO
Copriferro [cm]	2.00	2.00
Maglia V		
diametro	10	10
passo	25	25
diametro aggiuntivi	12	12
Maglia O		
diametro	10	10
passo	25	25
diametro aggiuntivi	12	12
Stati limite ultimi		
Tensione fy [daN/cm2]	4500.00	4500.00
Tipo acciaio	tipo C	tipo C
Coefficiente gamma s	1.15	1.15
Coefficiente gamma c	1.50	1.50
Verifiche con N costante	SI	SI
Tensioni ammissibili		
Tensione amm. cls [daN/cm2]	97.50	97.50
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00
Rapporto omogeneizzazione N	15.00	15.00
Massimo rapporto area compressa/tesa	1.00	1.00
Parete estesa debolmente armata		
Fattore amplificazione taglio V	0.0	1.50
Hcrit. par. 7.4.4.5.1 [cm]	0.0	0.0

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

Gusci c.a.	**1/7/..**	**2/8/..**
Armatura		
Inclinazione Ax [gradi]	0.0	0.0
Angolo Ax-Ay [gradi]	90.00	90.00
Minima tesa	0.31	0.10
Massima tesa	0.78	4.00
Maglia unica centrale	NO	NO
Copriferro [cm]	2.00	3.00
Maglia x		
diametro	12	12
passo	20	20
diametro aggiuntivi	12	12
Maglia y		
diametro	12	12
passo	20	20
diametro aggiuntivi	12	12
Stati limite ultimi		
Tensione fy [daN/cm2]	4500.00	4500.00
Tipo acciaio	tipo C	tipo C
Coefficiente gamma s	1.15	1.15
Coefficiente gamma c	1.50	1.50
Verifiche con N costante	SI	SI
Applica SLU da DIN	NO	NO
Tensioni ammissibili		
Tensione amm. cls [daN/cm2]	97.50	97.50
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00
Rapporto omogeneizzazione N	15.00	15.00
Massimo rapporto area compressa/tesa	1.00	1.00
Resistenza al fuoco		
3- intradosso	NO	NO
3+ estradosso	NO	NO
Tempo di esposizione R	15	15

09.3 Modellazione struttura: nodi

09.3.1 Legenda tabella dati nodi

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

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

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

in tabella:

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

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

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	0.0	0.0	0.0	2	0.0	520.0	0.0	3	300.0	0.0	0.0
4	300.0	520.0	0.0	5	300.0	247.6	0.0	6	300.0	198.1	0.0
7	0.0	24.8	0.0	8	0.0	346.7	0.0	9	0.0	222.9	0.0
10	0.0	272.4	0.0	11	300.0	74.3	0.0	12	300.0	396.2	0.0
13	0.0	99.0	0.0	14	300.0	148.6	0.0	15	0.0	470.5	0.0
16	0.0	173.3	0.0	17	300.0	297.1	0.0	18	0.0	421.0	0.0
19	0.0	321.9	0.0	20	300.0	470.5	0.0	21	300.0	495.2	0.0
22	300.0	421.0	0.0	23	300.0	99.0	0.0	24	300.0	222.9	0.0
25	0.0	123.8	0.0	26	300.0	24.8	0.0	27	300.0	445.7	0.0
28	0.0	49.5	0.0	29	0.0	247.6	0.0	30	300.0	173.3	0.0
31	300.0	272.4	0.0	32	0.0	198.1	0.0	33	0.0	445.7	0.0
34	0.0	297.1	0.0	35	300.0	371.4	0.0	36	300.0	346.7	0.0
37	300.0	123.8	0.0	38	300.0	49.5	0.0	39	0.0	495.2	0.0
40	0.0	74.3	0.0	41	0.0	148.6	0.0	42	0.0	371.4	0.0
43	300.0	321.9	0.0	44	0.0	396.2	0.0	45	25.0	0.0	0.0
46	25.0	24.8	0.0	47	50.0	0.0	0.0	48	50.0	24.8	0.0
49	75.0	0.0	0.0	50	75.0	24.8	0.0	51	100.0	0.0	0.0
52	100.0	24.8	0.0	53	125.0	0.0	0.0	54	125.0	24.8	0.0
55	150.0	0.0	0.0	56	150.0	24.8	0.0	57	175.0	0.0	0.0
58	175.0	24.8	0.0	59	200.0	0.0	0.0	60	200.0	24.8	0.0
61	225.0	0.0	0.0	62	225.0	24.8	0.0	63	250.0	0.0	0.0
64	250.0	24.8	0.0	65	275.0	0.0	0.0	66	275.0	24.8	0.0
67	25.0	49.5	0.0	68	50.0	49.5	0.0	69	75.0	49.5	0.0
70	100.0	49.5	0.0	71	125.0	49.5	0.0	72	150.0	49.5	0.0
73	175.0	49.5	0.0	74	200.0	49.5	0.0	75	225.0	49.5	0.0
76	250.0	49.5	0.0	77	275.0	49.5	0.0	78	25.0	74.3	0.0
79	50.0	74.3	0.0	80	75.0	74.3	0.0	81	100.0	74.3	0.0
82	125.0	74.3	0.0	83	150.0	74.3	0.0	84	175.0	74.3	0.0
85	200.0	74.3	0.0	86	225.0	74.3	0.0	87	250.0	74.3	0.0
88	275.0	74.3	0.0	89	25.0	99.0	0.0	90	50.0	99.0	0.0
91	75.0	99.0	0.0	92	100.0	99.0	0.0	93	125.0	99.0	0.0
94	150.0	99.0	0.0	95	175.0	99.0	0.0	96	200.0	99.0	0.0
97	225.0	99.0	0.0	98	250.0	99.0	0.0	99	275.0	99.0	0.0
100	25.0	123.8	0.0	101	50.0	123.8	0.0	102	75.0	123.8	0.0
103	100.0	123.8	0.0	104	125.0	123.8	0.0	105	150.0	123.8	0.0
106	175.0	123.8	0.0	107	200.0	123.8	0.0	108	225.0	123.8	0.0
109	250.0	123.8	0.0	110	275.0	123.8	0.0	111	25.0	148.6	0.0
112	50.0	148.6	0.0	113	75.0	148.6	0.0	114	100.0	148.6	0.0
115	125.0	148.6	0.0	116	150.0	148.6	0.0	117	175.0	148.6	0.0
118	200.0	148.6	0.0	119	225.0	148.6	0.0	120	250.0	148.6	0.0
121	275.0	148.6	0.0	122	25.0	173.3	0.0	123	50.0	173.3	0.0
124	75.0	173.3	0.0	125	100.0	173.3	0.0	126	125.0	173.3	0.0
127	150.0	173.3	0.0	128	175.0	173.3	0.0	129	200.0	173.3	0.0
130	225.0	173.3	0.0	131	250.0	173.3	0.0	132	275.0	173.3	0.0
133	25.0	198.1	0.0	134	50.0	198.1	0.0	135	75.0	198.1	0.0
136	100.0	198.1	0.0	137	125.0	198.1	0.0	138	150.0	198.1	0.0
139	175.0	198.1	0.0	140	200.0	198.1	0.0	141	225.0	198.1	0.0
142	250.0	198.1	0.0	143	275.0	198.1	0.0	144	25.0	222.9	0.0
145	50.0	222.9	0.0	146	75.0	222.9	0.0	147	100.0	222.9	0.0
148	125.0	222.9	0.0	149	150.0	222.9	0.0	150	175.0	222.9	0.0
151	200.0	222.9	0.0	152	225.0	222.9	0.0	153	250.0	222.9	0.0

154	275.0	222.9	0.0	155	25.0	247.6	0.0	156	50.0	247.6	0.0
157	75.0	247.6	0.0	158	100.0	247.6	0.0	159	125.0	247.6	0.0
160	150.0	247.6	0.0	161	175.0	247.6	0.0	162	200.0	247.6	0.0
163	225.0	247.6	0.0	164	250.0	247.6	0.0	165	275.0	247.6	0.0
166	25.0	272.4	0.0	167	50.0	272.4	0.0	168	75.0	272.4	0.0
169	100.0	272.4	0.0	170	125.0	272.4	0.0	171	150.0	272.4	0.0
172	175.0	272.4	0.0	173	200.0	272.4	0.0	174	225.0	272.4	0.0
175	250.0	272.4	0.0	176	275.0	272.4	0.0	177	25.0	297.1	0.0
178	50.0	297.1	0.0	179	75.0	297.1	0.0	180	100.0	297.1	0.0
181	125.0	297.1	0.0	182	150.0	297.1	0.0	183	175.0	297.1	0.0
184	200.0	297.1	0.0	185	225.0	297.1	0.0	186	250.0	297.1	0.0
187	275.0	297.1	0.0	188	25.0	321.9	0.0	189	50.0	321.9	0.0
190	75.0	321.9	0.0	191	100.0	321.9	0.0	192	125.0	321.9	0.0
193	150.0	321.9	0.0	194	175.0	321.9	0.0	195	200.0	321.9	0.0
196	225.0	321.9	0.0	197	250.0	321.9	0.0	198	275.0	321.9	0.0
199	25.0	346.7	0.0	200	50.0	346.7	0.0	201	75.0	346.7	0.0
202	100.0	346.7	0.0	203	125.0	346.7	0.0	204	150.0	346.7	0.0
205	175.0	346.7	0.0	206	200.0	346.7	0.0	207	225.0	346.7	0.0
208	250.0	346.7	0.0	209	275.0	346.7	0.0	210	25.0	371.4	0.0
211	50.0	371.4	0.0	212	75.0	371.4	0.0	213	100.0	371.4	0.0
214	125.0	371.4	0.0	215	150.0	371.4	0.0	216	175.0	371.4	0.0
217	200.0	371.4	0.0	218	225.0	371.4	0.0	219	250.0	371.4	0.0
220	275.0	371.4	0.0	221	25.0	396.2	0.0	222	50.0	396.2	0.0
223	75.0	396.2	0.0	224	100.0	396.2	0.0	225	125.0	396.2	0.0
226	150.0	396.2	0.0	227	175.0	396.2	0.0	228	200.0	396.2	0.0
229	225.0	396.2	0.0	230	250.0	396.2	0.0	231	275.0	396.2	0.0
232	25.0	421.0	0.0	233	50.0	421.0	0.0	234	75.0	421.0	0.0
235	100.0	421.0	0.0	236	125.0	421.0	0.0	237	150.0	421.0	0.0
238	175.0	421.0	0.0	239	200.0	421.0	0.0	240	225.0	421.0	0.0
241	250.0	421.0	0.0	242	275.0	421.0	0.0	243	25.0	445.7	0.0
244	50.0	445.7	0.0	245	75.0	445.7	0.0	246	100.0	445.7	0.0
247	125.0	445.7	0.0	248	150.0	445.7	0.0	249	175.0	445.7	0.0
250	200.0	445.7	0.0	251	225.0	445.7	0.0	252	250.0	445.7	0.0
253	275.0	445.7	0.0	254	25.0	470.5	0.0	255	50.0	470.5	0.0
256	75.0	470.5	0.0	257	100.0	470.5	0.0	258	125.0	470.5	0.0
259	150.0	470.5	0.0	260	175.0	470.5	0.0	261	200.0	470.5	0.0
262	225.0	470.5	0.0	263	250.0	470.5	0.0	264	275.0	470.5	0.0
265	25.0	495.2	0.0	266	50.0	495.2	0.0	267	75.0	495.2	0.0
268	100.0	495.2	0.0	269	125.0	495.2	0.0	270	150.0	495.2	0.0
271	175.0	495.2	0.0	272	200.0	495.2	0.0	273	225.0	495.2	0.0
274	250.0	495.2	0.0	275	275.0	495.2	0.0	276	25.0	520.0	0.0
277	50.0	520.0	0.0	278	75.0	520.0	0.0	279	100.0	520.0	0.0
280	125.0	520.0	0.0	281	150.0	520.0	0.0	282	175.0	520.0	0.0
283	200.0	520.0	0.0	284	225.0	520.0	0.0	285	250.0	520.0	0.0
286	275.0	520.0	0.0	287	0.0	0.0	280.0	288	0.0	520.0	280.0
289	300.0	0.0	280.0	290	300.0	520.0	280.0	291	25.0	520.0	25.5
292	0.0	520.0	25.5	293	50.0	520.0	25.5	294	75.0	520.0	25.5
295	100.0	520.0	25.5	296	125.0	520.0	25.5	297	150.0	520.0	25.5
298	175.0	520.0	25.5	299	200.0	520.0	25.5	300	225.0	520.0	25.5
301	250.0	520.0	25.5	302	275.0	520.0	25.5	303	300.0	520.0	25.5
304	25.0	520.0	50.9	305	0.0	520.0	50.9	306	50.0	520.0	50.9
307	75.0	520.0	50.9	308	100.0	520.0	50.9	309	125.0	520.0	50.9
310	150.0	520.0	50.9	311	175.0	520.0	50.9	312	200.0	520.0	50.9
313	225.0	520.0	50.9	314	250.0	520.0	50.9	315	275.0	520.0	50.9
316	300.0	520.0	50.9	317	25.0	520.0	76.4	318	0.0	520.0	76.4
319	50.0	520.0	76.4	320	75.0	520.0	76.4	321	100.0	520.0	76.4
322	125.0	520.0	76.4	323	150.0	520.0	76.4	324	175.0	520.0	76.4
325	200.0	520.0	76.4	326	225.0	520.0	76.4	327	250.0	520.0	76.4
328	275.0	520.0	76.4	329	300.0	520.0	76.4	330	25.0	520.0	101.8
331	0.0	520.0	101.8	332	50.0	520.0	101.8	333	75.0	520.0	101.8
334	100.0	520.0	101.8	335	125.0	520.0	101.8	336	150.0	520.0	101.8
337	175.0	520.0	101.8	338	200.0	520.0	101.8	339	225.0	520.0	101.8
340	250.0	520.0	101.8	341	275.0	520.0	101.8	342	300.0	520.0	101.8
343	25.0	520.0	127.3	344	0.0	520.0	127.3	345	50.0	520.0	127.3
346	75.0	520.0	127.3	347	100.0	520.0	127.3	348	125.0	520.0	127.3
349	150.0	520.0	127.3	350	175.0	520.0	127.3	351	200.0	520.0	127.3
352	225.0	520.0	127.3	353	250.0	520.0	127.3	354	275.0	520.0	127.3
355	300.0	520.0	127.3	356	25.0	520.0	152.7	357	0.0	520.0	152.7
358	50.0	520.0	152.7	359	75.0	520.0	152.7	360	100.0	520.0	152.7
361	125.0	520.0	152.7	362	150.0	520.0	152.7	363	175.0	520.0	152.7
364	200.0	520.0	152.7	365	225.0	520.0	152.7	366	250.0	520.0	152.7
367	275.0	520.0	152.7	368	300.0	520.0	152.7	369	25.0	520.0	178.2
370	0.0	520.0	178.2	371	50.0	520.0	178.2	372	75.0	520.0	178.2
373	100.0	520.0	178.2	374	125.0	520.0	178.2	375	150.0	520.0	178.2
376	175.0	520.0	178.2	377	200.0	520.0	178.2	378	225.0	520.0	178.2
379	250.0	520.0	178.2	380	275.0	520.0	178.2	381	300.0	520.0	178.2
382	25.0	520.0	203.6	383	0.0	520.0	203.6	384	50.0	520.0	203.6
385	75.0	520.0	203.6	386	100.0	520.0	203.6	387	125.0	520.0	203.6

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388	150.0	520.0	203.6	389	175.0	520.0	203.6	390	200.0	520.0	203.6
391	225.0	520.0	203.6	392	250.0	520.0	203.6	393	275.0	520.0	203.6
394	300.0	520.0	203.6	395	25.0	520.0	229.1	396	0.0	520.0	229.1
397	50.0	520.0	229.1	398	75.0	520.0	229.1	399	100.0	520.0	229.1
400	125.0	520.0	229.1	401	150.0	520.0	229.1	402	175.0	520.0	229.1
403	200.0	520.0	229.1	404	225.0	520.0	229.1	405	250.0	520.0	229.1
406	275.0	520.0	229.1	407	300.0	520.0	229.1	408	25.0	520.0	254.5
409	0.0	520.0	254.5	410	50.0	520.0	254.5	411	75.0	520.0	254.5
412	100.0	520.0	254.5	413	125.0	520.0	254.5	414	150.0	520.0	254.5
415	175.0	520.0	254.5	416	200.0	520.0	254.5	417	225.0	520.0	254.5
418	250.0	520.0	254.5	419	275.0	520.0	254.5	420	300.0	520.0	254.5
421	25.0	520.0	280.0	422	50.0	520.0	280.0	423	75.0	520.0	280.0
424	100.0	520.0	280.0	425	125.0	520.0	280.0	426	150.0	520.0	280.0
427	175.0	520.0	280.0	428	200.0	520.0	280.0	429	225.0	520.0	280.0
430	250.0	520.0	280.0	431	275.0	520.0	280.0	432	25.0	0.0	25.5
433	0.0	0.0	25.5	434	50.0	0.0	25.5	435	75.0	0.0	25.5
436	100.0	0.0	25.5	437	125.0	0.0	25.5	438	150.0	0.0	25.5
439	175.0	0.0	25.5	440	200.0	0.0	25.5	441	225.0	0.0	25.5
442	250.0	0.0	25.5	443	275.0	0.0	25.5	444	300.0	0.0	25.5
445	25.0	0.0	50.9	446	0.0	0.0	50.9	447	50.0	0.0	50.9
448	75.0	0.0	50.9	449	100.0	0.0	50.9	450	125.0	0.0	50.9
451	150.0	0.0	50.9	452	175.0	0.0	50.9	453	200.0	0.0	50.9
454	225.0	0.0	50.9	455	250.0	0.0	50.9	456	275.0	0.0	50.9
457	300.0	0.0	50.9	458	25.0	0.0	76.4	459	0.0	0.0	76.4
460	50.0	0.0	76.4	461	75.0	0.0	76.4	462	100.0	0.0	76.4
463	125.0	0.0	76.4	464	150.0	0.0	76.4	465	175.0	0.0	76.4
466	200.0	0.0	76.4	467	225.0	0.0	76.4	468	250.0	0.0	76.4
469	275.0	0.0	76.4	470	300.0	0.0	76.4	471	25.0	0.0	101.8
472	0.0	0.0	101.8	473	50.0	0.0	101.8	474	75.0	0.0	101.8
475	100.0	0.0	101.8	476	125.0	0.0	101.8	477	150.0	0.0	101.8
478	175.0	0.0	101.8	479	200.0	0.0	101.8	480	225.0	0.0	101.8
481	250.0	0.0	101.8	482	275.0	0.0	101.8	483	300.0	0.0	101.8
484	25.0	0.0	127.3	485	0.0	0.0	127.3	486	50.0	0.0	127.3
487	75.0	0.0	127.3	488	100.0	0.0	127.3	489	125.0	0.0	127.3
490	150.0	0.0	127.3	491	175.0	0.0	127.3	492	200.0	0.0	127.3
493	225.0	0.0	127.3	494	250.0	0.0	127.3	495	275.0	0.0	127.3
496	300.0	0.0	127.3	497	25.0	0.0	152.7	498	0.0	0.0	152.7
499	50.0	0.0	152.7	500	75.0	0.0	152.7	501	100.0	0.0	152.7
502	125.0	0.0	152.7	503	150.0	0.0	152.7	504	175.0	0.0	152.7
505	200.0	0.0	152.7	506	225.0	0.0	152.7	507	250.0	0.0	152.7
508	275.0	0.0	152.7	509	300.0	0.0	152.7	510	25.0	0.0	178.2
511	0.0	0.0	178.2	512	50.0	0.0	178.2	513	75.0	0.0	178.2
514	100.0	0.0	178.2	515	125.0	0.0	178.2	516	150.0	0.0	178.2
517	175.0	0.0	178.2	518	200.0	0.0	178.2	519	225.0	0.0	178.2
520	250.0	0.0	178.2	521	275.0	0.0	178.2	522	300.0	0.0	178.2
523	25.0	0.0	203.6	524	0.0	0.0	203.6	525	50.0	0.0	203.6
526	75.0	0.0	203.6	527	100.0	0.0	203.6	528	125.0	0.0	203.6
529	150.0	0.0	203.6	530	175.0	0.0	203.6	531	200.0	0.0	203.6
532	225.0	0.0	203.6	533	250.0	0.0	203.6	534	275.0	0.0	203.6
535	300.0	0.0	203.6	536	25.0	0.0	229.1	537	0.0	0.0	229.1
538	50.0	0.0	229.1	539	75.0	0.0	229.1	540	100.0	0.0	229.1
541	125.0	0.0	229.1	542	150.0	0.0	229.1	543	175.0	0.0	229.1
544	200.0	0.0	229.1	545	225.0	0.0	229.1	546	250.0	0.0	229.1
547	275.0	0.0	229.1	548	300.0	0.0	229.1	549	25.0	0.0	254.5
550	0.0	0.0	254.5	551	50.0	0.0	254.5	552	75.0	0.0	254.5
553	100.0	0.0	254.5	554	125.0	0.0	254.5	555	150.0	0.0	254.5
556	175.0	0.0	254.5	557	200.0	0.0	254.5	558	225.0	0.0	254.5
559	250.0	0.0	254.5	560	275.0	0.0	254.5	561	300.0	0.0	254.5
562	25.0	0.0	280.0	563	50.0	0.0	280.0	564	75.0	0.0	280.0
565	100.0	0.0	280.0	566	125.0	0.0	280.0	567	150.0	0.0	280.0
568	175.0	0.0	280.0	569	200.0	0.0	280.0	570	225.0	0.0	280.0
571	250.0	0.0	280.0	572	275.0	0.0	280.0	573	300.0	24.8	25.5
574	300.0	49.5	25.5	575	300.0	74.3	25.5	576	300.0	99.0	25.5
577	300.0	123.8	25.5	578	300.0	148.6	25.5	579	300.0	173.3	25.5
580	300.0	198.1	25.5	581	300.0	222.9	25.5	582	300.0	247.6	25.5
583	300.0	272.4	25.5	584	300.0	297.1	25.5	585	300.0	321.9	25.5
586	300.0	346.7	25.5	587	300.0	371.4	25.5	588	300.0	396.2	25.5
589	300.0	421.0	25.5	590	300.0	445.7	25.5	591	300.0	470.5	25.5
592	300.0	495.2	25.5	593	300.0	24.8	50.9	594	300.0	49.5	50.9
595	300.0	74.3	50.9	596	300.0	99.0	50.9	597	300.0	123.8	50.9
598	300.0	148.6	50.9	599	300.0	173.3	50.9	600	300.0	198.1	50.9
601	300.0	222.9	50.9	602	300.0	247.6	50.9	603	300.0	272.4	50.9
604	300.0	297.1	50.9	605	300.0	321.9	50.9	606	300.0	346.7	50.9
607	300.0	371.4	50.9	608	300.0	396.2	50.9	609	300.0	421.0	50.9
610	300.0	445.7	50.9	611	300.0	470.5	50.9	612	300.0	495.2	50.9
613	300.0	24.8	76.4	614	300.0	49.5	76.4	615	300.0	74.3	76.4
616	300.0	99.0	76.4	617	300.0	123.8	76.4	618	300.0	148.6	76.4
619	300.0	173.3	76.4	620	300.0	198.1	76.4	621	300.0	222.9	76.4

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622	300.0	247.6	76.4	623	300.0	272.4	76.4	624	300.0	297.1	76.4
625	300.0	321.9	76.4	626	300.0	346.7	76.4	627	300.0	371.4	76.4
628	300.0	396.2	76.4	629	300.0	421.0	76.4	630	300.0	445.7	76.4
631	300.0	470.5	76.4	632	300.0	495.2	76.4	633	300.0	24.8	101.8
634	300.0	49.5	101.8	635	300.0	74.3	101.8	636	300.0	99.0	101.8
637	300.0	123.8	101.8	638	300.0	148.6	101.8	639	300.0	173.3	101.8
640	300.0	198.1	101.8	641	300.0	222.9	101.8	642	300.0	247.6	101.8
643	300.0	272.4	101.8	644	300.0	297.1	101.8	645	300.0	321.9	101.8
646	300.0	346.7	101.8	647	300.0	371.4	101.8	648	300.0	396.2	101.8
649	300.0	421.0	101.8	650	300.0	445.7	101.8	651	300.0	470.5	101.8
652	300.0	495.2	101.8	653	300.0	24.8	127.3	654	300.0	49.5	127.3
655	300.0	74.3	127.3	656	300.0	99.0	127.3	657	300.0	123.8	127.3
658	300.0	148.6	127.3	659	300.0	173.3	127.3	660	300.0	198.1	127.3
661	300.0	222.9	127.3	662	300.0	247.6	127.3	663	300.0	272.4	127.3
664	300.0	297.1	127.3	665	300.0	321.9	127.3	666	300.0	346.7	127.3
667	300.0	371.4	127.3	668	300.0	396.2	127.3	669	300.0	421.0	127.3
670	300.0	445.7	127.3	671	300.0	470.5	127.3	672	300.0	495.2	127.3
673	300.0	24.8	152.7	674	300.0	49.5	152.7	675	300.0	74.3	152.7
676	300.0	99.0	152.7	677	300.0	123.8	152.7	678	300.0	148.6	152.7
679	300.0	173.3	152.7	680	300.0	198.1	152.7	681	300.0	222.9	152.7
682	300.0	247.6	152.7	683	300.0	272.4	152.7	684	300.0	297.1	152.7
685	300.0	321.9	152.7	686	300.0	346.7	152.7	687	300.0	371.4	152.7
688	300.0	396.2	152.7	689	300.0	421.0	152.7	690	300.0	445.7	152.7
691	300.0	470.5	152.7	692	300.0	495.2	152.7	693	300.0	24.8	178.2
694	300.0	49.5	178.2	695	300.0	74.3	178.2	696	300.0	99.0	178.2
697	300.0	123.8	178.2	698	300.0	148.6	178.2	699	300.0	173.3	178.2
700	300.0	198.1	178.2	701	300.0	222.9	178.2	702	300.0	247.6	178.2
703	300.0	272.4	178.2	704	300.0	297.1	178.2	705	300.0	321.9	178.2
706	300.0	346.7	178.2	707	300.0	371.4	178.2	708	300.0	396.2	178.2
709	300.0	421.0	178.2	710	300.0	445.7	178.2	711	300.0	470.5	178.2
712	300.0	495.2	178.2	713	300.0	24.8	203.6	714	300.0	49.5	203.6
715	300.0	74.3	203.6	716	300.0	99.0	203.6	717	300.0	123.8	203.6
718	300.0	148.6	203.6	719	300.0	173.3	203.6	720	300.0	198.1	203.6
721	300.0	222.9	203.6	722	300.0	247.6	203.6	723	300.0	272.4	203.6
724	300.0	297.1	203.6	725	300.0	321.9	203.6	726	300.0	346.7	203.6
727	300.0	371.4	203.6	728	300.0	396.2	203.6	729	300.0	421.0	203.6
730	300.0	445.7	203.6	731	300.0	470.5	203.6	732	300.0	495.2	203.6
733	300.0	24.8	229.1	734	300.0	49.5	229.1	735	300.0	74.3	229.1
736	300.0	99.0	229.1	737	300.0	123.8	229.1	738	300.0	148.6	229.1
739	300.0	173.3	229.1	740	300.0	198.1	229.1	741	300.0	222.9	229.1
742	300.0	247.6	229.1	743	300.0	272.4	229.1	744	300.0	297.1	229.1
745	300.0	321.9	229.1	746	300.0	346.7	229.1	747	300.0	371.4	229.1
748	300.0	396.2	229.1	749	300.0	421.0	229.1	750	300.0	445.7	229.1
751	300.0	470.5	229.1	752	300.0	495.2	229.1	753	300.0	24.8	254.5
754	300.0	49.5	254.5	755	300.0	74.3	254.5	756	300.0	99.0	254.5
757	300.0	123.8	254.5	758	300.0	148.6	254.5	759	300.0	173.3	254.5
760	300.0	198.1	254.5	761	300.0	222.9	254.5	762	300.0	247.6	254.5
763	300.0	272.4	254.5	764	300.0	297.1	254.5	765	300.0	321.9	254.5
766	300.0	346.7	254.5	767	300.0	371.4	254.5	768	300.0	396.2	254.5
769	300.0	421.0	254.5	770	300.0	445.7	254.5	771	300.0	470.5	254.5
772	300.0	495.2	254.5	773	300.0	24.8	280.0	774	300.0	49.5	280.0
775	300.0	74.3	280.0	776	300.0	99.0	280.0	777	300.0	123.8	280.0
778	300.0	148.6	280.0	779	300.0	173.3	280.0	780	300.0	198.1	280.0
781	300.0	222.9	280.0	782	300.0	247.6	280.0	783	300.0	272.4	280.0
784	300.0	297.1	280.0	785	300.0	321.9	280.0	786	300.0	346.7	280.0
787	300.0	371.4	280.0	788	300.0	396.2	280.0	789	300.0	421.0	280.0
790	300.0	445.7	280.0	791	300.0	470.5	280.0	792	300.0	495.2	280.0
793	25.0	24.8	280.0	794	0.0	24.8	280.0	795	50.0	24.8	280.0
796	75.0	24.8	280.0	797	100.0	24.8	280.0	798	125.0	24.8	280.0
799	150.0	24.8	280.0	800	175.0	24.8	280.0	801	200.0	24.8	280.0
802	225.0	24.8	280.0	803	250.0	24.8	280.0	804	275.0	24.8	280.0
805	25.0	49.5	280.0	806	0.0	49.5	280.0	807	50.0	49.5	280.0
808	75.0	49.5	280.0	809	100.0	49.5	280.0	810	125.0	49.5	280.0
811	150.0	49.5	280.0	812	175.0	49.5	280.0	813	200.0	49.5	280.0
814	225.0	49.5	280.0	815	250.0	49.5	280.0	816	275.0	49.5	280.0
817	25.0	74.3	280.0	818	0.0	74.3	280.0	819	50.0	74.3	280.0
820	75.0	74.3	280.0	821	100.0	74.3	280.0	822	125.0	74.3	280.0
823	150.0	74.3	280.0	824	175.0	74.3	280.0	825	200.0	74.3	280.0
826	225.0	74.3	280.0	827	250.0	74.3	280.0	828	275.0	74.3	280.0
829	25.0	99.0	280.0	830	0.0	99.0	280.0	831	50.0	99.0	280.0
832	75.0	99.0	280.0	833	100.0	99.0	280.0	834	125.0	99.0	280.0
835	150.0	99.0	280.0	836	175.0	99.0	280.0	837	200.0	99.0	280.0
838	225.0	99.0	280.0	839	250.0	99.0	280.0	840	275.0	99.0	280.0
841	25.0	123.8	280.0	842	0.0	123.8	280.0	843	50.0	123.8	280.0
844	75.0	123.8	280.0	845	100.0	123.8	280.0	846	125.0	123.8	280.0
847	150.0	123.8	280.0	848	175.0	123.8	280.0	849	200.0	123.8	280.0
850	225.0	123.8	280.0	851	250.0	123.8	280.0	852	275.0	123.8	280.0
853	25.0	148.6	280.0	854	0.0	148.6	280.0	855	50.0	148.6	280.0

856	75.0	148.6	280.0	857	100.0	148.6	280.0	858	125.0	148.6	280.0
859	150.0	148.6	280.0	860	175.0	148.6	280.0	861	200.0	148.6	280.0
862	225.0	148.6	280.0	863	250.0	148.6	280.0	864	275.0	148.6	280.0
865	25.0	173.3	280.0	866	0.0	173.3	280.0	867	50.0	173.3	280.0
868	75.0	173.3	280.0	869	100.0	173.3	280.0	870	125.0	173.3	280.0
871	150.0	173.3	280.0	872	175.0	173.3	280.0	873	200.0	173.3	280.0
874	225.0	173.3	280.0	875	250.0	173.3	280.0	876	275.0	173.3	280.0
877	25.0	198.1	280.0	878	0.0	198.1	280.0	879	50.0	198.1	280.0
880	75.0	198.1	280.0	881	100.0	198.1	280.0	882	125.0	198.1	280.0
883	150.0	198.1	280.0	884	175.0	198.1	280.0	885	200.0	198.1	280.0
886	225.0	198.1	280.0	887	250.0	198.1	280.0	888	275.0	198.1	280.0
889	25.0	222.9	280.0	890	0.0	222.9	280.0	891	50.0	222.9	280.0
892	75.0	222.9	280.0	893	100.0	222.9	280.0	894	125.0	222.9	280.0
895	150.0	222.9	280.0	896	175.0	222.9	280.0	897	200.0	222.9	280.0
898	225.0	222.9	280.0	899	250.0	222.9	280.0	900	275.0	222.9	280.0
901	25.0	247.6	280.0	902	0.0	247.6	280.0	903	50.0	247.6	280.0
904	75.0	247.6	280.0	905	100.0	247.6	280.0	906	125.0	247.6	280.0
907	150.0	247.6	280.0	908	175.0	247.6	280.0	909	200.0	247.6	280.0
910	225.0	247.6	280.0	911	250.0	247.6	280.0	912	275.0	247.6	280.0
913	25.0	272.4	280.0	914	0.0	272.4	280.0	915	50.0	272.4	280.0
916	75.0	272.4	280.0	917	100.0	272.4	280.0	918	125.0	272.4	280.0
919	150.0	272.4	280.0	920	175.0	272.4	280.0	921	200.0	272.4	280.0
922	225.0	272.4	280.0	923	250.0	272.4	280.0	924	275.0	272.4	280.0
925	25.0	297.1	280.0	926	0.0	297.1	280.0	927	50.0	297.1	280.0
928	75.0	297.1	280.0	929	100.0	297.1	280.0	930	125.0	297.1	280.0
931	150.0	297.1	280.0	932	175.0	297.1	280.0	933	200.0	297.1	280.0
934	225.0	297.1	280.0	935	250.0	297.1	280.0	936	275.0	297.1	280.0
937	25.0	321.9	280.0	938	0.0	321.9	280.0	939	50.0	321.9	280.0
940	75.0	321.9	280.0	941	100.0	321.9	280.0	942	125.0	321.9	280.0
943	150.0	321.9	280.0	944	175.0	321.9	280.0	945	200.0	321.9	280.0
946	225.0	321.9	280.0	947	250.0	321.9	280.0	948	275.0	321.9	280.0
949	25.0	346.7	280.0	950	0.0	346.7	280.0	951	50.0	346.7	280.0
952	75.0	346.7	280.0	953	100.0	346.7	280.0	954	125.0	346.7	280.0
955	150.0	346.7	280.0	956	175.0	346.7	280.0	957	200.0	346.7	280.0
958	225.0	346.7	280.0	959	250.0	346.7	280.0	960	275.0	346.7	280.0
961	25.0	371.4	280.0	962	0.0	371.4	280.0	963	50.0	371.4	280.0
964	75.0	371.4	280.0	965	100.0	371.4	280.0	966	125.0	371.4	280.0
967	150.0	371.4	280.0	968	175.0	371.4	280.0	969	200.0	371.4	280.0
970	225.0	371.4	280.0	971	250.0	371.4	280.0	972	275.0	371.4	280.0
973	25.0	396.2	280.0	974	0.0	396.2	280.0	975	50.0	396.2	280.0
976	75.0	396.2	280.0	977	100.0	396.2	280.0	978	125.0	396.2	280.0
979	150.0	396.2	280.0	980	175.0	396.2	280.0	981	200.0	396.2	280.0
982	225.0	396.2	280.0	983	250.0	396.2	280.0	984	275.0	396.2	280.0
985	25.0	421.0	280.0	986	0.0	421.0	280.0	987	50.0	421.0	280.0
988	75.0	421.0	280.0	989	100.0	421.0	280.0	990	125.0	421.0	280.0
991	150.0	421.0	280.0	992	175.0	421.0	280.0	993	200.0	421.0	280.0
994	225.0	421.0	280.0	995	250.0	421.0	280.0	996	275.0	421.0	280.0
997	25.0	445.7	280.0	998	0.0	445.7	280.0	999	50.0	445.7	280.0
1000	75.0	445.7	280.0	1001	100.0	445.7	280.0	1002	125.0	445.7	280.0
1003	150.0	445.7	280.0	1004	175.0	445.7	280.0	1005	200.0	445.7	280.0
1006	225.0	445.7	280.0	1007	250.0	445.7	280.0	1008	275.0	445.7	280.0
1009	25.0	470.5	280.0	1010	0.0	470.5	280.0	1011	50.0	470.5	280.0
1012	75.0	470.5	280.0	1013	100.0	470.5	280.0	1014	125.0	470.5	280.0
1015	150.0	470.5	280.0	1016	175.0	470.5	280.0	1017	200.0	470.5	280.0
1018	225.0	470.5	280.0	1019	250.0	470.5	280.0	1020	275.0	470.5	280.0
1021	25.0	495.2	280.0	1022	0.0	495.2	280.0	1023	50.0	495.2	280.0
1024	75.0	495.2	280.0	1025	100.0	495.2	280.0	1026	125.0	495.2	280.0
1027	150.0	495.2	280.0	1028	175.0	495.2	280.0	1029	200.0	495.2	280.0
1030	225.0	495.2	280.0	1031	250.0	495.2	280.0	1032	275.0	495.2	280.0
1033	0.0	1040.0	0.0	1034	300.0	1040.0	0.0	1035	300.0	767.6	0.0
1036	300.0	718.1	0.0	1037	0.0	544.8	0.0	1038	0.0	866.7	0.0
1039	0.0	742.9	0.0	1040	0.0	792.4	0.0	1041	300.0	594.3	0.0
1042	300.0	916.2	0.0	1043	0.0	619.0	0.0	1044	300.0	668.6	0.0
1045	0.0	990.5	0.0	1046	0.0	693.3	0.0	1047	300.0	817.1	0.0
1048	0.0	941.0	0.0	1049	0.0	841.9	0.0	1050	300.0	990.5	0.0
1051	300.0	1015.2	0.0	1052	300.0	941.0	0.0	1053	300.0	619.0	0.0
1054	300.0	742.9	0.0	1055	0.0	643.8	0.0	1056	300.0	544.8	0.0
1057	300.0	965.7	0.0	1058	0.0	569.5	0.0	1059	0.0	767.6	0.0
1060	300.0	693.3	0.0	1061	300.0	792.4	0.0	1062	0.0	718.1	0.0
1063	0.0	965.7	0.0	1064	0.0	817.1	0.0	1065	300.0	891.4	0.0
1066	300.0	866.7	0.0	1067	300.0	643.8	0.0	1068	300.0	569.5	0.0
1069	0.0	1015.2	0.0	1070	0.0	594.3	0.0	1071	0.0	668.6	0.0
1072	0.0	891.4	0.0	1073	300.0	841.9	0.0	1074	0.0	916.2	0.0
1075	25.0	544.8	0.0	1076	50.0	544.8	0.0	1077	75.0	544.8	0.0
1078	100.0	544.8	0.0	1079	125.0	544.8	0.0	1080	150.0	544.8	0.0
1081	175.0	544.8	0.0	1082	200.0	544.8	0.0	1083	225.0	544.8	0.0
1084	250.0	544.8	0.0	1085	275.0	544.8	0.0	1086	25.0	569.5	0.0
1087	50.0	569.5	0.0	1088	75.0	569.5	0.0	1089	100.0	569.5	0.0

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1090	125.0	569.5	0.0	1091	150.0	569.5	0.0	1092	175.0	569.5	0.0
1093	200.0	569.5	0.0	1094	225.0	569.5	0.0	1095	250.0	569.5	0.0
1096	275.0	569.5	0.0	1097	25.0	594.3	0.0	1098	50.0	594.3	0.0
1099	75.0	594.3	0.0	1100	100.0	594.3	0.0	1101	125.0	594.3	0.0
1102	150.0	594.3	0.0	1103	175.0	594.3	0.0	1104	200.0	594.3	0.0
1105	225.0	594.3	0.0	1106	250.0	594.3	0.0	1107	275.0	594.3	0.0
1108	25.0	619.0	0.0	1109	50.0	619.0	0.0	1110	75.0	619.0	0.0
1111	100.0	619.0	0.0	1112	125.0	619.0	0.0	1113	150.0	619.0	0.0
1114	175.0	619.0	0.0	1115	200.0	619.0	0.0	1116	225.0	619.0	0.0
1117	250.0	619.0	0.0	1118	275.0	619.0	0.0	1119	25.0	643.8	0.0
1120	50.0	643.8	0.0	1121	75.0	643.8	0.0	1122	100.0	643.8	0.0
1123	125.0	643.8	0.0	1124	150.0	643.8	0.0	1125	175.0	643.8	0.0
1126	200.0	643.8	0.0	1127	225.0	643.8	0.0	1128	250.0	643.8	0.0
1129	275.0	643.8	0.0	1130	25.0	668.6	0.0	1131	50.0	668.6	0.0
1132	75.0	668.6	0.0	1133	100.0	668.6	0.0	1134	125.0	668.6	0.0
1135	150.0	668.6	0.0	1136	175.0	668.6	0.0	1137	200.0	668.6	0.0
1138	225.0	668.6	0.0	1139	250.0	668.6	0.0	1140	275.0	668.6	0.0
1141	25.0	693.3	0.0	1142	50.0	693.3	0.0	1143	75.0	693.3	0.0
1144	100.0	693.3	0.0	1145	125.0	693.3	0.0	1146	150.0	693.3	0.0
1147	175.0	693.3	0.0	1148	200.0	693.3	0.0	1149	225.0	693.3	0.0
1150	250.0	693.3	0.0	1151	275.0	693.3	0.0	1152	25.0	718.1	0.0
1153	50.0	718.1	0.0	1154	75.0	718.1	0.0	1155	100.0	718.1	0.0
1156	125.0	718.1	0.0	1157	150.0	718.1	0.0	1158	175.0	718.1	0.0
1159	200.0	718.1	0.0	1160	225.0	718.1	0.0	1161	250.0	718.1	0.0
1162	275.0	718.1	0.0	1163	25.0	742.9	0.0	1164	50.0	742.9	0.0
1165	75.0	742.9	0.0	1166	100.0	742.9	0.0	1167	125.0	742.9	0.0
1168	150.0	742.9	0.0	1169	175.0	742.9	0.0	1170	200.0	742.9	0.0
1171	225.0	742.9	0.0	1172	250.0	742.9	0.0	1173	275.0	742.9	0.0
1174	25.0	767.6	0.0	1175	50.0	767.6	0.0	1176	75.0	767.6	0.0
1177	100.0	767.6	0.0	1178	125.0	767.6	0.0	1179	150.0	767.6	0.0
1180	175.0	767.6	0.0	1181	200.0	767.6	0.0	1182	225.0	767.6	0.0
1183	250.0	767.6	0.0	1184	275.0	767.6	0.0	1185	25.0	792.4	0.0
1186	50.0	792.4	0.0	1187	75.0	792.4	0.0	1188	100.0	792.4	0.0
1189	125.0	792.4	0.0	1190	150.0	792.4	0.0	1191	175.0	792.4	0.0
1192	200.0	792.4	0.0	1193	225.0	792.4	0.0	1194	250.0	792.4	0.0
1195	275.0	792.4	0.0	1196	25.0	817.1	0.0	1197	50.0	817.1	0.0
1198	75.0	817.1	0.0	1199	100.0	817.1	0.0	1200	125.0	817.1	0.0
1201	150.0	817.1	0.0	1202	175.0	817.1	0.0	1203	200.0	817.1	0.0
1204	225.0	817.1	0.0	1205	250.0	817.1	0.0	1206	275.0	817.1	0.0
1207	25.0	841.9	0.0	1208	50.0	841.9	0.0	1209	75.0	841.9	0.0
1210	100.0	841.9	0.0	1211	125.0	841.9	0.0	1212	150.0	841.9	0.0
1213	175.0	841.9	0.0	1214	200.0	841.9	0.0	1215	225.0	841.9	0.0
1216	250.0	841.9	0.0	1217	275.0	841.9	0.0	1218	25.0	866.7	0.0
1219	50.0	866.7	0.0	1220	75.0	866.7	0.0	1221	100.0	866.7	0.0
1222	125.0	866.7	0.0	1223	150.0	866.7	0.0	1224	175.0	866.7	0.0
1225	200.0	866.7	0.0	1226	225.0	866.7	0.0	1227	250.0	866.7	0.0
1228	275.0	866.7	0.0	1229	25.0	891.4	0.0	1230	50.0	891.4	0.0
1231	75.0	891.4	0.0	1232	100.0	891.4	0.0	1233	125.0	891.4	0.0
1234	150.0	891.4	0.0	1235	175.0	891.4	0.0	1236	200.0	891.4	0.0
1237	225.0	891.4	0.0	1238	250.0	891.4	0.0	1239	275.0	891.4	0.0
1240	25.0	916.2	0.0	1241	50.0	916.2	0.0	1242	75.0	916.2	0.0
1243	100.0	916.2	0.0	1244	125.0	916.2	0.0	1245	150.0	916.2	0.0
1246	175.0	916.2	0.0	1247	200.0	916.2	0.0	1248	225.0	916.2	0.0
1249	250.0	916.2	0.0	1250	275.0	916.2	0.0	1251	25.0	941.0	0.0
1252	50.0	941.0	0.0	1253	75.0	941.0	0.0	1254	100.0	941.0	0.0
1255	125.0	941.0	0.0	1256	150.0	941.0	0.0	1257	175.0	941.0	0.0
1258	200.0	941.0	0.0	1259	225.0	941.0	0.0	1260	250.0	941.0	0.0
1261	275.0	941.0	0.0	1262	25.0	965.7	0.0	1263	50.0	965.7	0.0
1264	75.0	965.7	0.0	1265	100.0	965.7	0.0	1266	125.0	965.7	0.0
1267	150.0	965.7	0.0	1268	175.0	965.7	0.0	1269	200.0	965.7	0.0
1270	225.0	965.7	0.0	1271	250.0	965.7	0.0	1272	275.0	965.7	0.0
1273	25.0	990.5	0.0	1274	50.0	990.5	0.0	1275	75.0	990.5	0.0
1276	100.0	990.5	0.0	1277	125.0	990.5	0.0	1278	150.0	990.5	0.0
1279	175.0	990.5	0.0	1280	200.0	990.5	0.0	1281	225.0	990.5	0.0
1282	250.0	990.5	0.0	1283	275.0	990.5	0.0	1284	25.0	1015.2	0.0
1285	50.0	1015.2	0.0	1286	75.0	1015.2	0.0	1287	100.0	1015.2	0.0
1288	125.0	1015.2	0.0	1289	150.0	1015.2	0.0	1290	175.0	1015.2	0.0
1291	200.0	1015.2	0.0	1292	225.0	1015.2	0.0	1293	250.0	1015.2	0.0
1294	275.0	1015.2	0.0	1295	25.0	1040.0	0.0	1296	50.0	1040.0	0.0
1297	75.0	1040.0	0.0	1298	100.0	1040.0	0.0	1299	125.0	1040.0	0.0
1300	150.0	1040.0	0.0	1301	175.0	1040.0	0.0	1302	200.0	1040.0	0.0
1303	225.0	1040.0	0.0	1304	250.0	1040.0	0.0	1305	275.0	1040.0	0.0
1306	0.0	1040.0	280.0	1307	300.0	1040.0	280.0	1308	25.0	1040.0	25.5
1309	0.0	1040.0	25.5	1310	50.0	1040.0	25.5	1311	75.0	1040.0	25.5
1312	100.0	1040.0	25.5	1313	125.0	1040.0	25.5	1314	150.0	1040.0	25.5
1315	175.0	1040.0	25.5	1316	200.0	1040.0	25.5	1317	225.0	1040.0	25.5
1318	250.0	1040.0	25.5	1319	275.0	1040.0	25.5	1320	300.0	1040.0	25.5
1321	25.0	1040.0	50.9	1322	0.0	1040.0	50.9	1323	50.0	1040.0	50.9

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1324	75.0	1040.0	50.9	1325	100.0	1040.0	50.9	1326	125.0	1040.0	50.9
1327	150.0	1040.0	50.9	1328	175.0	1040.0	50.9	1329	200.0	1040.0	50.9
1330	225.0	1040.0	50.9	1331	250.0	1040.0	50.9	1332	275.0	1040.0	50.9
1333	300.0	1040.0	50.9	1334	25.0	1040.0	76.4	1335	0.0	1040.0	76.4
1336	50.0	1040.0	76.4	1337	75.0	1040.0	76.4	1338	100.0	1040.0	76.4
1339	125.0	1040.0	76.4	1340	150.0	1040.0	76.4	1341	175.0	1040.0	76.4
1342	200.0	1040.0	76.4	1343	225.0	1040.0	76.4	1344	250.0	1040.0	76.4
1345	275.0	1040.0	76.4	1346	300.0	1040.0	76.4	1347	25.0	1040.0	101.8
1348	0.0	1040.0	101.8	1349	50.0	1040.0	101.8	1350	75.0	1040.0	101.8
1351	100.0	1040.0	101.8	1352	125.0	1040.0	101.8	1353	150.0	1040.0	101.8
1354	175.0	1040.0	101.8	1355	200.0	1040.0	101.8	1356	225.0	1040.0	101.8
1357	250.0	1040.0	101.8	1358	275.0	1040.0	101.8	1359	300.0	1040.0	101.8
1360	25.0	1040.0	127.3	1361	0.0	1040.0	127.3	1362	50.0	1040.0	127.3
1363	75.0	1040.0	127.3	1364	100.0	1040.0	127.3	1365	125.0	1040.0	127.3
1366	150.0	1040.0	127.3	1367	175.0	1040.0	127.3	1368	200.0	1040.0	127.3
1369	225.0	1040.0	127.3	1370	250.0	1040.0	127.3	1371	275.0	1040.0	127.3
1372	300.0	1040.0	127.3	1373	25.0	1040.0	152.7	1374	0.0	1040.0	152.7
1375	50.0	1040.0	152.7	1376	75.0	1040.0	152.7	1377	100.0	1040.0	152.7
1378	125.0	1040.0	152.7	1379	150.0	1040.0	152.7	1380	175.0	1040.0	152.7
1381	200.0	1040.0	152.7	1382	225.0	1040.0	152.7	1383	250.0	1040.0	152.7
1384	275.0	1040.0	152.7	1385	300.0	1040.0	152.7	1386	25.0	1040.0	178.2
1387	0.0	1040.0	178.2	1388	50.0	1040.0	178.2	1389	75.0	1040.0	178.2
1390	100.0	1040.0	178.2	1391	125.0	1040.0	178.2	1392	150.0	1040.0	178.2
1393	175.0	1040.0	178.2	1394	200.0	1040.0	178.2	1395	225.0	1040.0	178.2
1396	250.0	1040.0	178.2	1397	275.0	1040.0	178.2	1398	300.0	1040.0	178.2
1399	25.0	1040.0	203.6	1400	0.0	1040.0	203.6	1401	50.0	1040.0	203.6
1402	75.0	1040.0	203.6	1403	100.0	1040.0	203.6	1404	125.0	1040.0	203.6
1405	150.0	1040.0	203.6	1406	175.0	1040.0	203.6	1407	200.0	1040.0	203.6
1408	225.0	1040.0	203.6	1409	250.0	1040.0	203.6	1410	275.0	1040.0	203.6
1411	300.0	1040.0	203.6	1412	25.0	1040.0	229.1	1413	0.0	1040.0	229.1
1414	50.0	1040.0	229.1	1415	75.0	1040.0	229.1	1416	100.0	1040.0	229.1
1417	125.0	1040.0	229.1	1418	150.0	1040.0	229.1	1419	175.0	1040.0	229.1
1420	200.0	1040.0	229.1	1421	225.0	1040.0	229.1	1422	250.0	1040.0	229.1
1423	275.0	1040.0	229.1	1424	300.0	1040.0	229.1	1425	25.0	1040.0	254.5
1426	0.0	1040.0	254.5	1427	50.0	1040.0	254.5	1428	75.0	1040.0	254.5
1429	100.0	1040.0	254.5	1430	125.0	1040.0	254.5	1431	150.0	1040.0	254.5
1432	175.0	1040.0	254.5	1433	200.0	1040.0	254.5	1434	225.0	1040.0	254.5
1435	250.0	1040.0	254.5	1436	275.0	1040.0	254.5	1437	300.0	1040.0	254.5
1438	25.0	1040.0	280.0	1439	50.0	1040.0	280.0	1440	75.0	1040.0	280.0
1441	100.0	1040.0	280.0	1442	125.0	1040.0	280.0	1443	150.0	1040.0	280.0
1444	175.0	1040.0	280.0	1445	200.0	1040.0	280.0	1446	225.0	1040.0	280.0
1447	250.0	1040.0	280.0	1448	275.0	1040.0	280.0	1449	300.0	544.8	25.5
1450	300.0	569.5	25.5	1451	300.0	594.3	25.5	1452	300.0	619.0	25.5
1453	300.0	643.8	25.5	1454	300.0	668.6	25.5	1455	300.0	693.3	25.5
1456	300.0	718.1	25.5	1457	300.0	742.9	25.5	1458	300.0	767.6	25.5
1459	300.0	792.4	25.5	1460	300.0	817.1	25.5	1461	300.0	841.9	25.5
1462	300.0	866.7	25.5	1463	300.0	891.4	25.5	1464	300.0	916.2	25.5
1465	300.0	941.0	25.5	1466	300.0	965.7	25.5	1467	300.0	990.5	25.5
1468	300.0	1015.2	25.5	1469	300.0	544.8	50.9	1470	300.0	569.5	50.9
1471	300.0	594.3	50.9	1472	300.0	619.0	50.9	1473	300.0	643.8	50.9
1474	300.0	668.6	50.9	1475	300.0	693.3	50.9	1476	300.0	718.1	50.9
1477	300.0	742.9	50.9	1478	300.0	767.6	50.9	1479	300.0	792.4	50.9
1480	300.0	817.1	50.9	1481	300.0	841.9	50.9	1482	300.0	866.7	50.9
1483	300.0	891.4	50.9	1484	300.0	916.2	50.9	1485	300.0	941.0	50.9
1486	300.0	965.7	50.9	1487	300.0	990.5	50.9	1488	300.0	1015.2	50.9
1489	300.0	544.8	76.4	1490	300.0	569.5	76.4	1491	300.0	594.3	76.4
1492	300.0	619.0	76.4	1493	300.0	643.8	76.4	1494	300.0	668.6	76.4
1495	300.0	693.3	76.4	1496	300.0	718.1	76.4	1497	300.0	742.9	76.4
1498	300.0	767.6	76.4	1499	300.0	792.4	76.4	1500	300.0	817.1	76.4
1501	300.0	841.9	76.4	1502	300.0	866.7	76.4	1503	300.0	891.4	76.4
1504	300.0	916.2	76.4	1505	300.0	941.0	76.4	1506	300.0	965.7	76.4
1507	300.0	990.5	76.4	1508	300.0	1015.2	76.4	1509	300.0	544.8	101.8
1510	300.0	569.5	101.8	1511	300.0	594.3	101.8	1512	300.0	619.0	101.8
1513	300.0	643.8	101.8	1514	300.0	668.6	101.8	1515	300.0	693.3	101.8
1516	300.0	718.1	101.8	1517	300.0	742.9	101.8	1518	300.0	767.6	101.8
1519	300.0	792.4	101.8	1520	300.0	817.1	101.8	1521	300.0	841.9	101.8
1522	300.0	866.7	101.8	1523	300.0	891.4	101.8	1524	300.0	916.2	101.8
1525	300.0	941.0	101.8	1526	300.0	965.7	101.8	1527	300.0	990.5	101.8
1528	300.0	1015.2	101.8	1529	300.0	544.8	127.3	1530	300.0	569.5	127.3
1531	300.0	594.3	127.3	1532	300.0	619.0	127.3	1533	300.0	643.8	127.3
1534	300.0	668.6	127.3	1535	300.0	693.3	127.3	1536	300.0	718.1	127.3
1537	300.0	742.9	127.3	1538	300.0	767.6	127.3	1539	300.0	792.4	127.3
1540	300.0	817.1	127.3	1541	300.0	841.9	127.3	1542	300.0	866.7	127.3
1543	300.0	891.4	127.3	1544	300.0	916.2	127.3	1545	300.0	941.0	127.3
1546	300.0	965.7	127.3	1547	300.0	990.5	127.3	1548	300.0	1015.2	127.3
1549	300.0	544.8	152.7	1550	300.0	569.5	152.7	1551	300.0	594.3	152.7
1552	300.0	619.0	152.7	1553	300.0	643.8	152.7	1554	300.0	668.6	152.7
1555	300.0	693.3	152.7	1556	300.0	718.1	152.7	1557	300.0	742.9	152.7

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1558	300.0	767.6	152.7	1559	300.0	792.4	152.7	1560	300.0	817.1	152.7
1561	300.0	841.9	152.7	1562	300.0	866.7	152.7	1563	300.0	891.4	152.7
1564	300.0	916.2	152.7	1565	300.0	941.0	152.7	1566	300.0	965.7	152.7
1567	300.0	990.5	152.7	1568	300.0	1015.2	152.7	1569	300.0	544.8	178.2
1570	300.0	569.5	178.2	1571	300.0	594.3	178.2	1572	300.0	619.0	178.2
1573	300.0	643.8	178.2	1574	300.0	668.6	178.2	1575	300.0	693.3	178.2
1576	300.0	718.1	178.2	1577	300.0	742.9	178.2	1578	300.0	767.6	178.2
1579	300.0	792.4	178.2	1580	300.0	817.1	178.2	1581	300.0	841.9	178.2
1582	300.0	866.7	178.2	1583	300.0	891.4	178.2	1584	300.0	916.2	178.2
1585	300.0	941.0	178.2	1586	300.0	965.7	178.2	1587	300.0	990.5	178.2
1588	300.0	1015.2	178.2	1589	300.0	544.8	203.6	1590	300.0	569.5	203.6
1591	300.0	594.3	203.6	1592	300.0	619.0	203.6	1593	300.0	643.8	203.6
1594	300.0	668.6	203.6	1595	300.0	693.3	203.6	1596	300.0	718.1	203.6
1597	300.0	742.9	203.6	1598	300.0	767.6	203.6	1599	300.0	792.4	203.6
1600	300.0	817.1	203.6	1601	300.0	841.9	203.6	1602	300.0	866.7	203.6
1603	300.0	891.4	203.6	1604	300.0	916.2	203.6	1605	300.0	941.0	203.6
1606	300.0	965.7	203.6	1607	300.0	990.5	203.6	1608	300.0	1015.2	203.6
1609	300.0	544.8	229.1	1610	300.0	569.5	229.1	1611	300.0	594.3	229.1
1612	300.0	619.0	229.1	1613	300.0	643.8	229.1	1614	300.0	668.6	229.1
1615	300.0	693.3	229.1	1616	300.0	718.1	229.1	1617	300.0	742.9	229.1
1618	300.0	767.6	229.1	1619	300.0	792.4	229.1	1620	300.0	817.1	229.1
1621	300.0	841.9	229.1	1622	300.0	866.7	229.1	1623	300.0	891.4	229.1
1624	300.0	916.2	229.1	1625	300.0	941.0	229.1	1626	300.0	965.7	229.1
1627	300.0	990.5	229.1	1628	300.0	1015.2	229.1	1629	300.0	544.8	254.5
1630	300.0	569.5	254.5	1631	300.0	594.3	254.5	1632	300.0	619.0	254.5
1633	300.0	643.8	254.5	1634	300.0	668.6	254.5	1635	300.0	693.3	254.5
1636	300.0	718.1	254.5	1637	300.0	742.9	254.5	1638	300.0	767.6	254.5
1639	300.0	792.4	254.5	1640	300.0	817.1	254.5	1641	300.0	841.9	254.5
1642	300.0	866.7	254.5	1643	300.0	891.4	254.5	1644	300.0	916.2	254.5
1645	300.0	941.0	254.5	1646	300.0	965.7	254.5	1647	300.0	990.5	254.5
1648	300.0	1015.2	254.5	1649	300.0	544.8	280.0	1650	300.0	569.5	280.0
1651	300.0	594.3	280.0	1652	300.0	619.0	280.0	1653	300.0	643.8	280.0
1654	300.0	668.6	280.0	1655	300.0	693.3	280.0	1656	300.0	718.1	280.0
1657	300.0	742.9	280.0	1658	300.0	767.6	280.0	1659	300.0	792.4	280.0
1660	300.0	817.1	280.0	1661	300.0	841.9	280.0	1662	300.0	866.7	280.0
1663	300.0	891.4	280.0	1664	300.0	916.2	280.0	1665	300.0	941.0	280.0
1666	300.0	965.7	280.0	1667	300.0	990.5	280.0	1668	300.0	1015.2	280.0
1669	25.0	544.8	280.0	1670	0.0	544.8	280.0	1671	50.0	544.8	280.0
1672	75.0	544.8	280.0	1673	100.0	544.8	280.0	1674	125.0	544.8	280.0
1675	150.0	544.8	280.0	1676	175.0	544.8	280.0	1677	200.0	544.8	280.0
1678	225.0	544.8	280.0	1679	250.0	544.8	280.0	1680	275.0	544.8	280.0
1681	25.0	569.5	280.0	1682	0.0	569.5	280.0	1683	50.0	569.5	280.0
1684	75.0	569.5	280.0	1685	100.0	569.5	280.0	1686	125.0	569.5	280.0
1687	150.0	569.5	280.0	1688	175.0	569.5	280.0	1689	200.0	569.5	280.0
1690	225.0	569.5	280.0	1691	250.0	569.5	280.0	1692	275.0	569.5	280.0
1693	25.0	594.3	280.0	1694	0.0	594.3	280.0	1695	50.0	594.3	280.0
1696	75.0	594.3	280.0	1697	100.0	594.3	280.0	1698	125.0	594.3	280.0
1699	150.0	594.3	280.0	1700	175.0	594.3	280.0	1701	200.0	594.3	280.0
1702	225.0	594.3	280.0	1703	250.0	594.3	280.0	1704	275.0	594.3	280.0
1705	25.0	619.0	280.0	1706	0.0	619.0	280.0	1707	50.0	619.0	280.0
1708	75.0	619.0	280.0	1709	100.0	619.0	280.0	1710	125.0	619.0	280.0
1711	150.0	619.0	280.0	1712	175.0	619.0	280.0	1713	200.0	619.0	280.0
1714	225.0	619.0	280.0	1715	250.0	619.0	280.0	1716	275.0	619.0	280.0
1717	25.0	643.8	280.0	1718	0.0	643.8	280.0	1719	50.0	643.8	280.0
1720	75.0	643.8	280.0	1721	100.0	643.8	280.0	1722	125.0	643.8	280.0
1723	150.0	643.8	280.0	1724	175.0	643.8	280.0	1725	200.0	643.8	280.0
1726	225.0	643.8	280.0	1727	250.0	643.8	280.0	1728	275.0	643.8	280.0
1729	25.0	668.6	280.0	1730	0.0	668.6	280.0	1731	50.0	668.6	280.0
1732	75.0	668.6	280.0	1733	100.0	668.6	280.0	1734	125.0	668.6	280.0
1735	150.0	668.6	280.0	1736	175.0	668.6	280.0	1737	200.0	668.6	280.0
1738	225.0	668.6	280.0	1739	250.0	668.6	280.0	1740	275.0	668.6	280.0
1741	25.0	693.3	280.0	1742	0.0	693.3	280.0	1743	50.0	693.3	280.0
1744	75.0	693.3	280.0	1745	100.0	693.3	280.0	1746	125.0	693.3	280.0
1747	150.0	693.3	280.0	1748	175.0	693.3	280.0	1749	200.0	693.3	280.0
1750	225.0	693.3	280.0	1751	250.0	693.3	280.0	1752	275.0	693.3	280.0
1753	25.0	718.1	280.0	1754	0.0	718.1	280.0	1755	50.0	718.1	280.0
1756	75.0	718.1	280.0	1757	100.0	718.1	280.0	1758	125.0	718.1	280.0
1759	150.0	718.1	280.0	1760	175.0	718.1	280.0	1761	200.0	718.1	280.0
1762	225.0	718.1	280.0	1763	250.0	718.1	280.0	1764	275.0	718.1	280.0
1765	25.0	742.9	280.0	1766	0.0	742.9	280.0	1767	50.0	742.9	280.0
1768	75.0	742.9	280.0	1769	100.0	742.9	280.0	1770	125.0	742.9	280.0
1771	150.0	742.9	280.0	1772	175.0	742.9	280.0	1773	200.0	742.9	280.0
1774	225.0	742.9	280.0	1775	250.0	742.9	280.0	1776	275.0	742.9	280.0
1777	25.0	767.6	280.0	1778	0.0	767.6	280.0	1779	50.0	767.6	280.0
1780	75.0	767.6	280.0	1781	100.0	767.6	280.0	1782	125.0	767.6	280.0
1783	150.0	767.6	280.0	1784	175.0	767.6	280.0	1785	200.0	767.6	280.0
1786	225.0	767.6	280.0	1787	250.0	767.6	280.0	1788	275.0	767.6	280.0
1789	25.0	792.4	280.0	1790	0.0	792.4	280.0	1791	50.0	792.4	280.0

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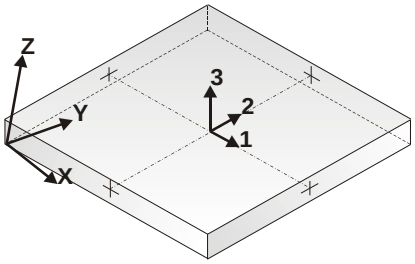
1792	75.0	792.4	280.0	1793	100.0	792.4	280.0	1794	125.0	792.4	280.0
1795	150.0	792.4	280.0	1796	175.0	792.4	280.0	1797	200.0	792.4	280.0
1798	225.0	792.4	280.0	1799	250.0	792.4	280.0	1800	275.0	792.4	280.0
1801	25.0	817.1	280.0	1802	0.0	817.1	280.0	1803	50.0	817.1	280.0
1804	75.0	817.1	280.0	1805	100.0	817.1	280.0	1806	125.0	817.1	280.0
1807	150.0	817.1	280.0	1808	175.0	817.1	280.0	1809	200.0	817.1	280.0
1810	225.0	817.1	280.0	1811	250.0	817.1	280.0	1812	275.0	817.1	280.0
1813	25.0	841.9	280.0	1814	0.0	841.9	280.0	1815	50.0	841.9	280.0
1816	75.0	841.9	280.0	1817	100.0	841.9	280.0	1818	125.0	841.9	280.0
1819	150.0	841.9	280.0	1820	175.0	841.9	280.0	1821	200.0	841.9	280.0
1822	225.0	841.9	280.0	1823	250.0	841.9	280.0	1824	275.0	841.9	280.0
1825	25.0	866.7	280.0	1826	0.0	866.7	280.0	1827	50.0	866.7	280.0
1828	75.0	866.7	280.0	1829	100.0	866.7	280.0	1830	125.0	866.7	280.0
1831	150.0	866.7	280.0	1832	175.0	866.7	280.0	1833	200.0	866.7	280.0
1834	225.0	866.7	280.0	1835	250.0	866.7	280.0	1836	275.0	866.7	280.0
1837	25.0	891.4	280.0	1838	0.0	891.4	280.0	1839	50.0	891.4	280.0
1840	75.0	891.4	280.0	1841	100.0	891.4	280.0	1842	125.0	891.4	280.0
1843	150.0	891.4	280.0	1844	175.0	891.4	280.0	1845	200.0	891.4	280.0
1846	225.0	891.4	280.0	1847	250.0	891.4	280.0	1848	275.0	891.4	280.0
1849	25.0	916.2	280.0	1850	0.0	916.2	280.0	1851	50.0	916.2	280.0
1852	75.0	916.2	280.0	1853	100.0	916.2	280.0	1854	125.0	916.2	280.0
1855	150.0	916.2	280.0	1856	175.0	916.2	280.0	1857	200.0	916.2	280.0
1858	225.0	916.2	280.0	1859	250.0	916.2	280.0	1860	275.0	916.2	280.0
1861	25.0	941.0	280.0	1862	0.0	941.0	280.0	1863	50.0	941.0	280.0
1864	75.0	941.0	280.0	1865	100.0	941.0	280.0	1866	125.0	941.0	280.0
1867	150.0	941.0	280.0	1868	175.0	941.0	280.0	1869	200.0	941.0	280.0
1870	225.0	941.0	280.0	1871	250.0	941.0	280.0	1872	275.0	941.0	280.0
1873	25.0	965.7	280.0	1874	0.0	965.7	280.0	1875	50.0	965.7	280.0
1876	75.0	965.7	280.0	1877	100.0	965.7	280.0	1878	125.0	965.7	280.0
1879	150.0	965.7	280.0	1880	175.0	965.7	280.0	1881	200.0	965.7	280.0
1882	225.0	965.7	280.0	1883	250.0	965.7	280.0	1884	275.0	965.7	280.0
1885	25.0	990.5	280.0	1886	0.0	990.5	280.0	1887	50.0	990.5	280.0
1888	75.0	990.5	280.0	1889	100.0	990.5	280.0	1890	125.0	990.5	280.0
1891	150.0	990.5	280.0	1892	175.0	990.5	280.0	1893	200.0	990.5	280.0
1894	225.0	990.5	280.0	1895	250.0	990.5	280.0	1896	275.0	990.5	280.0
1897	25.0	1015.2	280.0	1898	0.0	1015.2	280.0	1899	50.0	1015.2	280.0
1900	75.0	1015.2	280.0	1901	100.0	1015.2	280.0	1902	125.0	1015.2	280.0
1903	150.0	1015.2	280.0	1904	175.0	1015.2	280.0	1905	200.0	1015.2	280.0
1906	225.0	1015.2	280.0	1907	250.0	1015.2	280.0	1908	275.0	1015.2	280.0

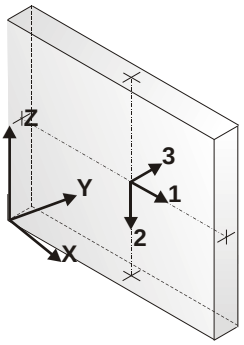
09.4 Modellazione struttura: elementi shell

09.4.1 Tabella dati shell

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



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: *Guscio* (elemento guscio in elevazione non verticale) *Guscio fond.* (elemento guscio su suolo elastico) *Setto* (elemento guscio in elevazione verticale) *Membrana* (elemento guscio con comportamento membranale)

Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore cm	Svincolo	Wink V daN/cm3	Wink O daN/cm3
1	Guscio fond.	1	45	46	7	6	2	30.0		5.00	1.00
2	Guscio fond.	45	47	48	46	6	2	30.0		5.00	1.00
3	Guscio fond.	47	49	50	48	6	2	30.0		5.00	1.00
4	Guscio fond.	49	51	52	50	6	2	30.0		5.00	1.00
5	Guscio fond.	51	53	54	52	6	2	30.0		5.00	1.00
6	Guscio fond.	53	55	56	54	6	2	30.0		5.00	1.00
7	Guscio fond.	55	57	58	56	6	2	30.0		5.00	1.00
8	Guscio fond.	57	59	60	58	6	2	30.0		5.00	1.00
9	Guscio fond.	59	61	62	60	6	2	30.0		5.00	1.00
10	Guscio fond.	61	63	64	62	6	2	30.0		5.00	1.00
11	Guscio fond.	63	65	66	64	6	2	30.0		5.00	1.00
12	Guscio fond.	65	3	26	66	6	2	30.0		5.00	1.00
13	Guscio fond.	7	46	67	28	6	2	30.0		5.00	1.00
14	Guscio fond.	46	48	68	67	6	2	30.0		5.00	1.00
15	Guscio fond.	48	50	69	68	6	2	30.0		5.00	1.00
16	Guscio fond.	50	52	70	69	6	2	30.0		5.00	1.00
17	Guscio fond.	52	54	71	70	6	2	30.0		5.00	1.00
18	Guscio fond.	54	56	72	71	6	2	30.0		5.00	1.00
19	Guscio fond.	56	58	73	72	6	2	30.0		5.00	1.00
20	Guscio fond.	58	60	74	73	6	2	30.0		5.00	1.00
21	Guscio fond.	60	62	75	74	6	2	30.0		5.00	1.00
22	Guscio fond.	62	64	76	75	6	2	30.0		5.00	1.00
23	Guscio fond.	64	66	77	76	6	2	30.0		5.00	1.00
24	Guscio fond.	66	26	38	77	6	2	30.0		5.00	1.00
25	Guscio fond.	28	67	78	40	6	2	30.0		5.00	1.00
26	Guscio fond.	67	68	79	78	6	2	30.0		5.00	1.00
27	Guscio fond.	68	69	80	79	6	2	30.0		5.00	1.00
28	Guscio fond.	69	70	81	80	6	2	30.0		5.00	1.00
29	Guscio fond.	70	71	82	81	6	2	30.0		5.00	1.00
30	Guscio fond.	71	72	83	82	6	2	30.0		5.00	1.00
31	Guscio fond.	72	73	84	83	6	2	30.0		5.00	1.00
32	Guscio fond.	73	74	85	84	6	2	30.0		5.00	1.00
33	Guscio fond.	74	75	86	85	6	2	30.0		5.00	1.00
34	Guscio fond.	75	76	87	86	6	2	30.0		5.00	1.00
35	Guscio fond.	76	77	88	87	6	2	30.0		5.00	1.00
36	Guscio fond.	77	38	11	88	6	2	30.0		5.00	1.00
37	Guscio fond.	40	78	89	13	6	2	30.0		5.00	1.00
38	Guscio fond.	78	79	90	89	6	2	30.0		5.00	1.00
39	Guscio fond.	79	80	91	90	6	2	30.0		5.00	1.00
40	Guscio fond.	80	81	92	91	6	2	30.0		5.00	1.00
41	Guscio fond.	81	82	93	92	6	2	30.0		5.00	1.00
42	Guscio fond.	82	83	94	93	6	2	30.0		5.00	1.00
43	Guscio fond.	83	84	95	94	6	2	30.0		5.00	1.00
44	Guscio fond.	84	85	96	95	6	2	30.0		5.00	1.00
45	Guscio fond.	85	86	97	96	6	2	30.0		5.00	1.00
46	Guscio fond.	86	87	98	97	6	2	30.0		5.00	1.00
47	Guscio fond.	87	88	99	98	6	2	30.0		5.00	1.00
48	Guscio fond.	88	11	23	99	6	2	30.0		5.00	1.00
49	Guscio fond.	13	89	100	25	6	2	30.0		5.00	1.00
50	Guscio fond.	89	90	101	100	6	2	30.0		5.00	1.00
51	Guscio fond.	90	91	102	101	6	2	30.0		5.00	1.00
52	Guscio fond.	91	92	103	102	6	2	30.0		5.00	1.00
53	Guscio fond.	92	93	104	103	6	2	30.0		5.00	1.00
54	Guscio fond.	93	94	105	104	6	2	30.0		5.00	1.00
55	Guscio fond.	94	95	106	105	6	2	30.0		5.00	1.00
56	Guscio fond.	95	96	107	106	6	2	30.0		5.00	1.00
57	Guscio fond.	96	97	108	107	6	2	30.0		5.00	1.00
58	Guscio fond.	97	98	109	108	6	2	30.0		5.00	1.00
59	Guscio fond.	98	99	110	109	6	2	30.0		5.00	1.00
60	Guscio fond.	99	23	37	110	6	2	30.0		5.00	1.00
61	Guscio fond.	25	100	111	41	6	2	30.0		5.00	1.00
62	Guscio fond.	100	101	112	111	6	2	30.0		5.00	1.00
63	Guscio fond.	101	102	113	112	6	2	30.0		5.00	1.00

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64	Guscio fond.	102	103	114	113	6	2	30.0	5.00	1.00
65	Guscio fond.	103	104	115	114	6	2	30.0	5.00	1.00
66	Guscio fond.	104	105	116	115	6	2	30.0	5.00	1.00
67	Guscio fond.	105	106	117	116	6	2	30.0	5.00	1.00
68	Guscio fond.	106	107	118	117	6	2	30.0	5.00	1.00
69	Guscio fond.	107	108	119	118	6	2	30.0	5.00	1.00
70	Guscio fond.	108	109	120	119	6	2	30.0	5.00	1.00
71	Guscio fond.	109	110	121	120	6	2	30.0	5.00	1.00
72	Guscio fond.	110	37	14	121	6	2	30.0	5.00	1.00
73	Guscio fond.	41	111	122	16	6	2	30.0	5.00	1.00
74	Guscio fond.	111	112	123	122	6	2	30.0	5.00	1.00
75	Guscio fond.	112	113	124	123	6	2	30.0	5.00	1.00
76	Guscio fond.	113	114	125	124	6	2	30.0	5.00	1.00
77	Guscio fond.	114	115	126	125	6	2	30.0	5.00	1.00
78	Guscio fond.	115	116	127	126	6	2	30.0	5.00	1.00
79	Guscio fond.	116	117	128	127	6	2	30.0	5.00	1.00
80	Guscio fond.	117	118	129	128	6	2	30.0	5.00	1.00
81	Guscio fond.	118	119	130	129	6	2	30.0	5.00	1.00
82	Guscio fond.	119	120	131	130	6	2	30.0	5.00	1.00
83	Guscio fond.	120	121	132	131	6	2	30.0	5.00	1.00
84	Guscio fond.	121	14	30	132	6	2	30.0	5.00	1.00
85	Guscio fond.	16	122	133	32	6	2	30.0	5.00	1.00
86	Guscio fond.	122	123	134	133	6	2	30.0	5.00	1.00
87	Guscio fond.	123	124	135	134	6	2	30.0	5.00	1.00
88	Guscio fond.	124	125	136	135	6	2	30.0	5.00	1.00
89	Guscio fond.	125	126	137	136	6	2	30.0	5.00	1.00
90	Guscio fond.	126	127	138	137	6	2	30.0	5.00	1.00
91	Guscio fond.	127	128	139	138	6	2	30.0	5.00	1.00
92	Guscio fond.	128	129	140	139	6	2	30.0	5.00	1.00
93	Guscio fond.	129	130	141	140	6	2	30.0	5.00	1.00
94	Guscio fond.	130	131	142	141	6	2	30.0	5.00	1.00
95	Guscio fond.	131	132	143	142	6	2	30.0	5.00	1.00
96	Guscio fond.	132	30	6	143	6	2	30.0	5.00	1.00
97	Guscio fond.	32	133	144	9	6	2	30.0	5.00	1.00
98	Guscio fond.	133	134	145	144	6	2	30.0	5.00	1.00
99	Guscio fond.	134	135	146	145	6	2	30.0	5.00	1.00
100	Guscio fond.	135	136	147	146	6	2	30.0	5.00	1.00
101	Guscio fond.	136	137	148	147	6	2	30.0	5.00	1.00
102	Guscio fond.	137	138	149	148	6	2	30.0	5.00	1.00
103	Guscio fond.	138	139	150	149	6	2	30.0	5.00	1.00
104	Guscio fond.	139	140	151	150	6	2	30.0	5.00	1.00
105	Guscio fond.	140	141	152	151	6	2	30.0	5.00	1.00
106	Guscio fond.	141	142	153	152	6	2	30.0	5.00	1.00
107	Guscio fond.	142	143	154	153	6	2	30.0	5.00	1.00
108	Guscio fond.	143	6	24	154	6	2	30.0	5.00	1.00
109	Guscio fond.	9	144	155	29	6	2	30.0	5.00	1.00
110	Guscio fond.	144	145	156	155	6	2	30.0	5.00	1.00
111	Guscio fond.	145	146	157	156	6	2	30.0	5.00	1.00
112	Guscio fond.	146	147	158	157	6	2	30.0	5.00	1.00
113	Guscio fond.	147	148	159	158	6	2	30.0	5.00	1.00
114	Guscio fond.	148	149	160	159	6	2	30.0	5.00	1.00
115	Guscio fond.	149	150	161	160	6	2	30.0	5.00	1.00
116	Guscio fond.	150	151	162	161	6	2	30.0	5.00	1.00
117	Guscio fond.	151	152	163	162	6	2	30.0	5.00	1.00
118	Guscio fond.	152	153	164	163	6	2	30.0	5.00	1.00
119	Guscio fond.	153	154	165	164	6	2	30.0	5.00	1.00
120	Guscio fond.	154	24	5	165	6	2	30.0	5.00	1.00
121	Guscio fond.	29	155	166	10	6	2	30.0	5.00	1.00
122	Guscio fond.	155	156	167	166	6	2	30.0	5.00	1.00
123	Guscio fond.	156	157	168	167	6	2	30.0	5.00	1.00
124	Guscio fond.	157	158	169	168	6	2	30.0	5.00	1.00
125	Guscio fond.	158	159	170	169	6	2	30.0	5.00	1.00
126	Guscio fond.	159	160	171	170	6	2	30.0	5.00	1.00
127	Guscio fond.	160	161	172	171	6	2	30.0	5.00	1.00
128	Guscio fond.	161	162	173	172	6	2	30.0	5.00	1.00
129	Guscio fond.	162	163	174	173	6	2	30.0	5.00	1.00
130	Guscio fond.	163	164	175	174	6	2	30.0	5.00	1.00
131	Guscio fond.	164	165	176	175	6	2	30.0	5.00	1.00
132	Guscio fond.	165	5	31	176	6	2	30.0	5.00	1.00
133	Guscio fond.	10	166	177	34	6	2	30.0	5.00	1.00
134	Guscio fond.	166	167	178	177	6	2	30.0	5.00	1.00
135	Guscio fond.	167	168	179	178	6	2	30.0	5.00	1.00
136	Guscio fond.	168	169	180	179	6	2	30.0	5.00	1.00
137	Guscio fond.	169	170	181	180	6	2	30.0	5.00	1.00
138	Guscio fond.	170	171	182	181	6	2	30.0	5.00	1.00
139	Guscio fond.	171	172	183	182	6	2	30.0	5.00	1.00
140	Guscio fond.	172	173	184	183	6	2	30.0	5.00	1.00
141	Guscio fond.	173	174	185	184	6	2	30.0	5.00	1.00

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142Guscio fond.	174	175	186	185	6	2	30.0	5.00	1.00
143Guscio fond.	175	176	187	186	6	2	30.0	5.00	1.00
144Guscio fond.	176	31	17	187	6	2	30.0	5.00	1.00
145Guscio fond.	34	177	188	19	6	2	30.0	5.00	1.00
146Guscio fond.	177	178	189	188	6	2	30.0	5.00	1.00
147Guscio fond.	178	179	190	189	6	2	30.0	5.00	1.00
148Guscio fond.	179	180	191	190	6	2	30.0	5.00	1.00
149Guscio fond.	180	181	192	191	6	2	30.0	5.00	1.00
150Guscio fond.	181	182	193	192	6	2	30.0	5.00	1.00
151Guscio fond.	182	183	194	193	6	2	30.0	5.00	1.00
152Guscio fond.	183	184	195	194	6	2	30.0	5.00	1.00
153Guscio fond.	184	185	196	195	6	2	30.0	5.00	1.00
154Guscio fond.	185	186	197	196	6	2	30.0	5.00	1.00
155Guscio fond.	186	187	198	197	6	2	30.0	5.00	1.00
156Guscio fond.	187	17	43	198	6	2	30.0	5.00	1.00
157Guscio fond.	19	188	199	8	6	2	30.0	5.00	1.00
158Guscio fond.	188	189	200	199	6	2	30.0	5.00	1.00
159Guscio fond.	189	190	201	200	6	2	30.0	5.00	1.00
160Guscio fond.	190	191	202	201	6	2	30.0	5.00	1.00
161Guscio fond.	191	192	203	202	6	2	30.0	5.00	1.00
162Guscio fond.	192	193	204	203	6	2	30.0	5.00	1.00
163Guscio fond.	193	194	205	204	6	2	30.0	5.00	1.00
164Guscio fond.	194	195	206	205	6	2	30.0	5.00	1.00
165Guscio fond.	195	196	207	206	6	2	30.0	5.00	1.00
166Guscio fond.	196	197	208	207	6	2	30.0	5.00	1.00
167Guscio fond.	197	198	209	208	6	2	30.0	5.00	1.00
168Guscio fond.	198	43	36	209	6	2	30.0	5.00	1.00
169Guscio fond.	8	199	210	42	6	2	30.0	5.00	1.00
170Guscio fond.	199	200	211	210	6	2	30.0	5.00	1.00
171Guscio fond.	200	201	212	211	6	2	30.0	5.00	1.00
172Guscio fond.	201	202	213	212	6	2	30.0	5.00	1.00
173Guscio fond.	202	203	214	213	6	2	30.0	5.00	1.00
174Guscio fond.	203	204	215	214	6	2	30.0	5.00	1.00
175Guscio fond.	204	205	216	215	6	2	30.0	5.00	1.00
176Guscio fond.	205	206	217	216	6	2	30.0	5.00	1.00
177Guscio fond.	206	207	218	217	6	2	30.0	5.00	1.00
178Guscio fond.	207	208	219	218	6	2	30.0	5.00	1.00
179Guscio fond.	208	209	220	219	6	2	30.0	5.00	1.00
180Guscio fond.	209	36	35	220	6	2	30.0	5.00	1.00
181Guscio fond.	42	210	221	44	6	2	30.0	5.00	1.00
182Guscio fond.	210	211	222	221	6	2	30.0	5.00	1.00
183Guscio fond.	211	212	223	222	6	2	30.0	5.00	1.00
184Guscio fond.	212	213	224	223	6	2	30.0	5.00	1.00
185Guscio fond.	213	214	225	224	6	2	30.0	5.00	1.00
186Guscio fond.	214	215	226	225	6	2	30.0	5.00	1.00
187Guscio fond.	215	216	227	226	6	2	30.0	5.00	1.00
188Guscio fond.	216	217	228	227	6	2	30.0	5.00	1.00
189Guscio fond.	217	218	229	228	6	2	30.0	5.00	1.00
190Guscio fond.	218	219	230	229	6	2	30.0	5.00	1.00
191Guscio fond.	219	220	231	230	6	2	30.0	5.00	1.00
192Guscio fond.	220	35	12	231	6	2	30.0	5.00	1.00
193Guscio fond.	44	221	232	18	6	2	30.0	5.00	1.00
194Guscio fond.	221	222	233	232	6	2	30.0	5.00	1.00
195Guscio fond.	222	223	234	233	6	2	30.0	5.00	1.00
196Guscio fond.	223	224	235	234	6	2	30.0	5.00	1.00
197Guscio fond.	224	225	236	235	6	2	30.0	5.00	1.00
198Guscio fond.	225	226	237	236	6	2	30.0	5.00	1.00
199Guscio fond.	226	227	238	237	6	2	30.0	5.00	1.00
200Guscio fond.	227	228	239	238	6	2	30.0	5.00	1.00
201Guscio fond.	228	229	240	239	6	2	30.0	5.00	1.00
202Guscio fond.	229	230	241	240	6	2	30.0	5.00	1.00
203Guscio fond.	230	231	242	241	6	2	30.0	5.00	1.00
204Guscio fond.	231	12	22	242	6	2	30.0	5.00	1.00
205Guscio fond.	18	232	243	33	6	2	30.0	5.00	1.00
206Guscio fond.	232	233	244	243	6	2	30.0	5.00	1.00
207Guscio fond.	233	234	245	244	6	2	30.0	5.00	1.00
208Guscio fond.	234	235	246	245	6	2	30.0	5.00	1.00
209Guscio fond.	235	236	247	246	6	2	30.0	5.00	1.00
210Guscio fond.	236	237	248	247	6	2	30.0	5.00	1.00
211Guscio fond.	237	238	249	248	6	2	30.0	5.00	1.00
212Guscio fond.	238	239	250	249	6	2	30.0	5.00	1.00
213Guscio fond.	239	240	251	250	6	2	30.0	5.00	1.00
214Guscio fond.	240	241	252	251	6	2	30.0	5.00	1.00
215Guscio fond.	241	242	253	252	6	2	30.0	5.00	1.00
216Guscio fond.	242	22	27	253	6	2	30.0	5.00	1.00
217Guscio fond.	33	243	254	15	6	2	30.0	5.00	1.00
218Guscio fond.	243	244	255	254	6	2	30.0	5.00	1.00
219Guscio fond.	244	245	256	255	6	2	30.0	5.00	1.00

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220	Guscio fond.	245	246	257	256	6	2	30.0	5.00	1.00
221	Guscio fond.	246	247	258	257	6	2	30.0	5.00	1.00
222	Guscio fond.	247	248	259	258	6	2	30.0	5.00	1.00
223	Guscio fond.	248	249	260	259	6	2	30.0	5.00	1.00
224	Guscio fond.	249	250	261	260	6	2	30.0	5.00	1.00
225	Guscio fond.	250	251	262	261	6	2	30.0	5.00	1.00
226	Guscio fond.	251	252	263	262	6	2	30.0	5.00	1.00
227	Guscio fond.	252	253	264	263	6	2	30.0	5.00	1.00
228	Guscio fond.	253	27	20	264	6	2	30.0	5.00	1.00
229	Guscio fond.	15	254	265	39	6	2	30.0	5.00	1.00
230	Guscio fond.	254	255	266	265	6	2	30.0	5.00	1.00
231	Guscio fond.	255	256	267	266	6	2	30.0	5.00	1.00
232	Guscio fond.	256	257	268	267	6	2	30.0	5.00	1.00
233	Guscio fond.	257	258	269	268	6	2	30.0	5.00	1.00
234	Guscio fond.	258	259	270	269	6	2	30.0	5.00	1.00
235	Guscio fond.	259	260	271	270	6	2	30.0	5.00	1.00
236	Guscio fond.	260	261	272	271	6	2	30.0	5.00	1.00
237	Guscio fond.	261	262	273	272	6	2	30.0	5.00	1.00
238	Guscio fond.	262	263	274	273	6	2	30.0	5.00	1.00
239	Guscio fond.	263	264	275	274	6	2	30.0	5.00	1.00
240	Guscio fond.	264	20	21	275	6	2	30.0	5.00	1.00
241	Guscio fond.	39	265	276	2	6	2	30.0	5.00	1.00
242	Guscio fond.	265	266	277	276	6	2	30.0	5.00	1.00
243	Guscio fond.	266	267	278	277	6	2	30.0	5.00	1.00
244	Guscio fond.	267	268	279	278	6	2	30.0	5.00	1.00
245	Guscio fond.	268	269	280	279	6	2	30.0	5.00	1.00
246	Guscio fond.	269	270	281	280	6	2	30.0	5.00	1.00
247	Guscio fond.	270	271	282	281	6	2	30.0	5.00	1.00
248	Guscio fond.	271	272	283	282	6	2	30.0	5.00	1.00
249	Guscio fond.	272	273	284	283	6	2	30.0	5.00	1.00
250	Guscio fond.	273	274	285	284	6	2	30.0	5.00	1.00
251	Guscio fond.	274	275	286	285	6	2	30.0	5.00	1.00
252	Guscio fond.	275	21	4	286	6	2	30.0	5.00	1.00
253	Setto	292	291	276	2	6	1	30.0		
254	Setto	291	293	277	276	6	1	30.0		
255	Setto	293	294	278	277	6	1	30.0		
256	Setto	294	295	279	278	6	1	30.0		
257	Setto	295	296	280	279	6	1	30.0		
258	Setto	296	297	281	280	6	1	30.0		
259	Setto	297	298	282	281	6	1	30.0		
260	Setto	298	299	283	282	6	1	30.0		
261	Setto	299	300	284	283	6	1	30.0		
262	Setto	300	301	285	284	6	1	30.0		
263	Setto	301	302	286	285	6	1	30.0		
264	Setto	302	303	4	286	6	1	30.0		
265	Setto	305	304	291	292	6	1	30.0		
266	Setto	304	306	293	291	6	1	30.0		
267	Setto	306	307	294	293	6	1	30.0		
268	Setto	307	308	295	294	6	1	30.0		
269	Setto	308	309	296	295	6	1	30.0		
270	Setto	309	310	297	296	6	1	30.0		
271	Setto	310	311	298	297	6	1	30.0		
272	Setto	311	312	299	298	6	1	30.0		
273	Setto	312	313	300	299	6	1	30.0		
274	Setto	313	314	301	300	6	1	30.0		
275	Setto	314	315	302	301	6	1	30.0		
276	Setto	315	316	303	302	6	1	30.0		
277	Setto	318	317	304	305	6	1	30.0		
278	Setto	317	319	306	304	6	1	30.0		
279	Setto	319	320	307	306	6	1	30.0		
280	Setto	320	321	308	307	6	1	30.0		
281	Setto	321	322	309	308	6	1	30.0		
282	Setto	322	323	310	309	6	1	30.0		
283	Setto	323	324	311	310	6	1	30.0		
284	Setto	324	325	312	311	6	1	30.0		
285	Setto	325	326	313	312	6	1	30.0		
286	Setto	326	327	314	313	6	1	30.0		
287	Setto	327	328	315	314	6	1	30.0		
288	Setto	328	329	316	315	6	1	30.0		
289	Setto	331	330	317	318	6	1	30.0		
290	Setto	330	332	319	317	6	1	30.0		
291	Setto	332	333	320	319	6	1	30.0		
292	Setto	333	334	321	320	6	1	30.0		
293	Setto	334	335	322	321	6	1	30.0		
294	Setto	335	336	323	322	6	1	30.0		
295	Setto	336	337	324	323	6	1	30.0		
296	Setto	337	338	325	324	6	1	30.0		
297	Setto	338	339	326	325	6	1	30.0		

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298	Setto	339	340	327	326	6	1	30.0
299	Setto	340	341	328	327	6	1	30.0
300	Setto	341	342	329	328	6	1	30.0
301	Setto	344	343	330	331	6	1	30.0
302	Setto	343	345	332	330	6	1	30.0
303	Setto	345	346	333	332	6	1	30.0
304	Setto	346	347	334	333	6	1	30.0
305	Setto	347	348	335	334	6	1	30.0
306	Setto	348	349	336	335	6	1	30.0
307	Setto	349	350	337	336	6	1	30.0
308	Setto	350	351	338	337	6	1	30.0
309	Setto	351	352	339	338	6	1	30.0
310	Setto	352	353	340	339	6	1	30.0
311	Setto	353	354	341	340	6	1	30.0
312	Setto	354	355	342	341	6	1	30.0
313	Setto	357	356	343	344	6	1	30.0
314	Setto	356	358	345	343	6	1	30.0
315	Setto	358	359	346	345	6	1	30.0
316	Setto	359	360	347	346	6	1	30.0
317	Setto	360	361	348	347	6	1	30.0
318	Setto	361	362	349	348	6	1	30.0
319	Setto	362	363	350	349	6	1	30.0
320	Setto	363	364	351	350	6	1	30.0
321	Setto	364	365	352	351	6	1	30.0
322	Setto	365	366	353	352	6	1	30.0
323	Setto	366	367	354	353	6	1	30.0
324	Setto	367	368	355	354	6	1	30.0
325	Setto	370	369	356	357	6	1	30.0
326	Setto	369	371	358	356	6	1	30.0
327	Setto	371	372	359	358	6	1	30.0
328	Setto	372	373	360	359	6	1	30.0
329	Setto	373	374	361	360	6	1	30.0
330	Setto	374	375	362	361	6	1	30.0
331	Setto	375	376	363	362	6	1	30.0
332	Setto	376	377	364	363	6	1	30.0
333	Setto	377	378	365	364	6	1	30.0
334	Setto	378	379	366	365	6	1	30.0
335	Setto	379	380	367	366	6	1	30.0
336	Setto	380	381	368	367	6	1	30.0
337	Setto	383	382	369	370	6	1	30.0
338	Setto	382	384	371	369	6	1	30.0
339	Setto	384	385	372	371	6	1	30.0
340	Setto	385	386	373	372	6	1	30.0
341	Setto	386	387	374	373	6	1	30.0
342	Setto	387	388	375	374	6	1	30.0
343	Setto	388	389	376	375	6	1	30.0
344	Setto	389	390	377	376	6	1	30.0
345	Setto	390	391	378	377	6	1	30.0
346	Setto	391	392	379	378	6	1	30.0
347	Setto	392	393	380	379	6	1	30.0
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350	Setto	395	397	384	382	6	1	30.0
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353	Setto	399	400	387	386	6	1	30.0
354	Setto	400	401	388	387	6	1	30.0
355	Setto	401	402	389	388	6	1	30.0
356	Setto	402	403	390	389	6	1	30.0
357	Setto	403	404	391	390	6	1	30.0
358	Setto	404	405	392	391	6	1	30.0
359	Setto	405	406	393	392	6	1	30.0
360	Setto	406	407	394	393	6	1	30.0
361	Setto	409	408	395	396	6	1	30.0
362	Setto	408	410	397	395	6	1	30.0
363	Setto	410	411	398	397	6	1	30.0
364	Setto	411	412	399	398	6	1	30.0
365	Setto	412	413	400	399	6	1	30.0
366	Setto	413	414	401	400	6	1	30.0
367	Setto	414	415	402	401	6	1	30.0
368	Setto	415	416	403	402	6	1	30.0
369	Setto	416	417	404	403	6	1	30.0
370	Setto	417	418	405	404	6	1	30.0
371	Setto	418	419	406	405	6	1	30.0
372	Setto	419	420	407	406	6	1	30.0
373	Setto	288	421	408	409	6	1	30.0
374	Setto	421	422	410	408	6	1	30.0
375	Setto	422	423	411	410	6	1	30.0

376	Setto	423	424	412	411	6	1	30.0
377	Setto	424	425	413	412	6	1	30.0
378	Setto	425	426	414	413	6	1	30.0
379	Setto	426	427	415	414	6	1	30.0
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383	Setto	430	431	419	418	6	1	30.0
384	Setto	431	290	420	419	6	1	30.0
385	Setto	433	432	45	1	6	1	30.0
386	Setto	432	434	47	45	6	1	30.0
387	Setto	434	435	49	47	6	1	30.0
388	Setto	435	436	51	49	6	1	30.0
389	Setto	436	437	53	51	6	1	30.0
390	Setto	437	438	55	53	6	1	30.0
391	Setto	438	439	57	55	6	1	30.0
392	Setto	439	440	59	57	6	1	30.0
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397	Setto	446	445	432	433	6	1	30.0
398	Setto	445	447	434	432	6	1	30.0
399	Setto	447	448	435	434	6	1	30.0
400	Setto	448	449	436	435	6	1	30.0
401	Setto	449	450	437	436	6	1	30.0
402	Setto	450	451	438	437	6	1	30.0
403	Setto	451	452	439	438	6	1	30.0
404	Setto	452	453	440	439	6	1	30.0
405	Setto	453	454	441	440	6	1	30.0
406	Setto	454	455	442	441	6	1	30.0
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408	Setto	456	457	444	443	6	1	30.0
409	Setto	459	458	445	446	6	1	30.0
410	Setto	458	460	447	445	6	1	30.0
411	Setto	460	461	448	447	6	1	30.0
412	Setto	461	462	449	448	6	1	30.0
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414	Setto	463	464	451	450	6	1	30.0
415	Setto	464	465	452	451	6	1	30.0
416	Setto	465	466	453	452	6	1	30.0
417	Setto	466	467	454	453	6	1	30.0
418	Setto	467	468	455	454	6	1	30.0
419	Setto	468	469	456	455	6	1	30.0
420	Setto	469	470	457	456	6	1	30.0
421	Setto	472	471	458	459	6	1	30.0
422	Setto	471	473	460	458	6	1	30.0
423	Setto	473	474	461	460	6	1	30.0
424	Setto	474	475	462	461	6	1	30.0
425	Setto	475	476	463	462	6	1	30.0
426	Setto	476	477	464	463	6	1	30.0
427	Setto	477	478	465	464	6	1	30.0
428	Setto	478	479	466	465	6	1	30.0
429	Setto	479	480	467	466	6	1	30.0
430	Setto	480	481	468	467	6	1	30.0
431	Setto	481	482	469	468	6	1	30.0
432	Setto	482	483	470	469	6	1	30.0
433	Setto	485	484	471	472	6	1	30.0
434	Setto	484	486	473	471	6	1	30.0
435	Setto	486	487	474	473	6	1	30.0
436	Setto	487	488	475	474	6	1	30.0
437	Setto	488	489	476	475	6	1	30.0
438	Setto	489	490	477	476	6	1	30.0
439	Setto	490	491	478	477	6	1	30.0
440	Setto	491	492	479	478	6	1	30.0
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442	Setto	493	494	481	480	6	1	30.0
443	Setto	494	495	482	481	6	1	30.0
444	Setto	495	496	483	482	6	1	30.0
445	Setto	498	497	484	485	6	1	30.0
446	Setto	497	499	486	484	6	1	30.0
447	Setto	499	500	487	486	6	1	30.0
448	Setto	500	501	488	487	6	1	30.0
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451	Setto	503	504	491	490	6	1	30.0
452	Setto	504	505	492	491	6	1	30.0
453	Setto	505	506	493	492	6	1	30.0

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454	Setto	506	507	494	493	6	1	30.0
455	Setto	507	508	495	494	6	1	30.0
456	Setto	508	509	496	495	6	1	30.0
457	Setto	511	510	497	498	6	1	30.0
458	Setto	510	512	499	497	6	1	30.0
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461	Setto	514	515	502	501	6	1	30.0
462	Setto	515	516	503	502	6	1	30.0
463	Setto	516	517	504	503	6	1	30.0
464	Setto	517	518	505	504	6	1	30.0
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471	Setto	525	526	513	512	6	1	30.0
472	Setto	526	527	514	513	6	1	30.0
473	Setto	527	528	515	514	6	1	30.0
474	Setto	528	529	516	515	6	1	30.0
475	Setto	529	530	517	516	6	1	30.0
476	Setto	530	531	518	517	6	1	30.0
477	Setto	531	532	519	518	6	1	30.0
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484	Setto	539	540	527	526	6	1	30.0
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487	Setto	542	543	530	529	6	1	30.0
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489	Setto	544	545	532	531	6	1	30.0
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491	Setto	546	547	534	533	6	1	30.0
492	Setto	547	548	535	534	6	1	30.0
493	Setto	550	549	536	537	6	1	30.0
494	Setto	549	551	538	536	6	1	30.0
495	Setto	551	552	539	538	6	1	30.0
496	Setto	552	553	540	539	6	1	30.0
497	Setto	553	554	541	540	6	1	30.0
498	Setto	554	555	542	541	6	1	30.0
499	Setto	555	556	543	542	6	1	30.0
500	Setto	556	557	544	543	6	1	30.0
501	Setto	557	558	545	544	6	1	30.0
502	Setto	558	559	546	545	6	1	30.0
503	Setto	559	560	547	546	6	1	30.0
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507	Setto	563	564	552	551	6	1	30.0
508	Setto	564	565	553	552	6	1	30.0
509	Setto	565	566	554	553	6	1	30.0
510	Setto	566	567	555	554	6	1	30.0
511	Setto	567	568	556	555	6	1	30.0
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516	Setto	572	289	561	560	6	1	30.0
517	Setto	3	26	573	444	6	1	30.0
518	Setto	26	38	574	573	6	1	30.0
519	Setto	38	11	575	574	6	1	30.0
520	Setto	11	23	576	575	6	1	30.0
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522	Setto	37	14	578	577	6	1	30.0
523	Setto	14	30	579	578	6	1	30.0
524	Setto	30	6	580	579	6	1	30.0
525	Setto	6	24	581	580	6	1	30.0
526	Setto	24	5	582	581	6	1	30.0
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528	Setto	31	17	584	583	6	1	30.0
529	Setto	17	43	585	584	6	1	30.0
530	Setto	43	36	586	585	6	1	30.0
531	Setto	36	35	587	586	6	1	30.0

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532	Setto	35	12	588	587	6	1	30.0
533	Setto	12	22	589	588	6	1	30.0
534	Setto	22	27	590	589	6	1	30.0
535	Setto	27	20	591	590	6	1	30.0
536	Setto	20	21	592	591	6	1	30.0
537	Setto	21	4	303	592	6	1	30.0
538	Setto	444	573	593	457	6	1	30.0
539	Setto	573	574	594	593	6	1	30.0
540	Setto	574	575	595	594	6	1	30.0
541	Setto	575	576	596	595	6	1	30.0
542	Setto	576	577	597	596	6	1	30.0
543	Setto	577	578	598	597	6	1	30.0
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547	Setto	581	582	602	601	6	1	30.0
548	Setto	582	583	603	602	6	1	30.0
549	Setto	583	584	604	603	6	1	30.0
550	Setto	584	585	605	604	6	1	30.0
551	Setto	585	586	606	605	6	1	30.0
552	Setto	586	587	607	606	6	1	30.0
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554	Setto	588	589	609	608	6	1	30.0
555	Setto	589	590	610	609	6	1	30.0
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557	Setto	591	592	612	611	6	1	30.0
558	Setto	592	303	316	612	6	1	30.0
559	Setto	457	593	613	470	6	1	30.0
560	Setto	593	594	614	613	6	1	30.0
561	Setto	594	595	615	614	6	1	30.0
562	Setto	595	596	616	615	6	1	30.0
563	Setto	596	597	617	616	6	1	30.0
564	Setto	597	598	618	617	6	1	30.0
565	Setto	598	599	619	618	6	1	30.0
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567	Setto	600	601	621	620	6	1	30.0
568	Setto	601	602	622	621	6	1	30.0
569	Setto	602	603	623	622	6	1	30.0
570	Setto	603	604	624	623	6	1	30.0
571	Setto	604	605	625	624	6	1	30.0
572	Setto	605	606	626	625	6	1	30.0
573	Setto	606	607	627	626	6	1	30.0
574	Setto	607	608	628	627	6	1	30.0
575	Setto	608	609	629	628	6	1	30.0
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577	Setto	610	611	631	630	6	1	30.0
578	Setto	611	612	632	631	6	1	30.0
579	Setto	612	316	329	632	6	1	30.0
580	Setto	470	613	633	483	6	1	30.0
581	Setto	613	614	634	633	6	1	30.0
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586	Setto	618	619	639	638	6	1	30.0
587	Setto	619	620	640	639	6	1	30.0
588	Setto	620	621	641	640	6	1	30.0
589	Setto	621	622	642	641	6	1	30.0
590	Setto	622	623	643	642	6	1	30.0
591	Setto	623	624	644	643	6	1	30.0
592	Setto	624	625	645	644	6	1	30.0
593	Setto	625	626	646	645	6	1	30.0
594	Setto	626	627	647	646	6	1	30.0
595	Setto	627	628	648	647	6	1	30.0
596	Setto	628	629	649	648	6	1	30.0
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601	Setto	483	633	653	496	6	1	30.0
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603	Setto	634	635	655	654	6	1	30.0
604	Setto	635	636	656	655	6	1	30.0
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607	Setto	638	639	659	658	6	1	30.0
608	Setto	639	640	660	659	6	1	30.0
609	Setto	640	641	661	660	6	1	30.0

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610	Setto	641	642	662	661	6	1	30.0
611	Setto	642	643	663	662	6	1	30.0
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613	Setto	644	645	665	664	6	1	30.0
614	Setto	645	646	666	665	6	1	30.0
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616	Setto	647	648	668	667	6	1	30.0
617	Setto	648	649	669	668	6	1	30.0
618	Setto	649	650	670	669	6	1	30.0
619	Setto	650	651	671	670	6	1	30.0
620	Setto	651	652	672	671	6	1	30.0
621	Setto	652	342	355	672	6	1	30.0
622	Setto	496	653	673	509	6	1	30.0
623	Setto	653	654	674	673	6	1	30.0
624	Setto	654	655	675	674	6	1	30.0
625	Setto	655	656	676	675	6	1	30.0
626	Setto	656	657	677	676	6	1	30.0
627	Setto	657	658	678	677	6	1	30.0
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633	Setto	663	664	684	683	6	1	30.0
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641	Setto	671	672	692	691	6	1	30.0
642	Setto	672	355	368	692	6	1	30.0
643	Setto	509	673	693	522	6	1	30.0
644	Setto	673	674	694	693	6	1	30.0
645	Setto	674	675	695	694	6	1	30.0
646	Setto	675	676	696	695	6	1	30.0
647	Setto	676	677	697	696	6	1	30.0
648	Setto	677	678	698	697	6	1	30.0
649	Setto	678	679	699	698	6	1	30.0
650	Setto	679	680	700	699	6	1	30.0
651	Setto	680	681	701	700	6	1	30.0
652	Setto	681	682	702	701	6	1	30.0
653	Setto	682	683	703	702	6	1	30.0
654	Setto	683	684	704	703	6	1	30.0
655	Setto	684	685	705	704	6	1	30.0
656	Setto	685	686	706	705	6	1	30.0
657	Setto	686	687	707	706	6	1	30.0
658	Setto	687	688	708	707	6	1	30.0
659	Setto	688	689	709	708	6	1	30.0
660	Setto	689	690	710	709	6	1	30.0
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662	Setto	691	692	712	711	6	1	30.0
663	Setto	692	368	381	712	6	1	30.0
664	Setto	522	693	713	535	6	1	30.0
665	Setto	693	694	714	713	6	1	30.0
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667	Setto	695	696	716	715	6	1	30.0
668	Setto	696	697	717	716	6	1	30.0
669	Setto	697	698	718	717	6	1	30.0
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672	Setto	700	701	721	720	6	1	30.0
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675	Setto	703	704	724	723	6	1	30.0
676	Setto	704	705	725	724	6	1	30.0
677	Setto	705	706	726	725	6	1	30.0
678	Setto	706	707	727	726	6	1	30.0
679	Setto	707	708	728	727	6	1	30.0
680	Setto	708	709	729	728	6	1	30.0
681	Setto	709	710	730	729	6	1	30.0
682	Setto	710	711	731	730	6	1	30.0
683	Setto	711	712	732	731	6	1	30.0
684	Setto	712	381	394	732	6	1	30.0
685	Setto	535	713	733	548	6	1	30.0
686	Setto	713	714	734	733	6	1	30.0
687	Setto	714	715	735	734	6	1	30.0

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688	Setto	715	716	736	735	6	1	30.0
689	Setto	716	717	737	736	6	1	30.0
690	Setto	717	718	738	737	6	1	30.0
691	Setto	718	719	739	738	6	1	30.0
692	Setto	719	720	740	739	6	1	30.0
693	Setto	720	721	741	740	6	1	30.0
694	Setto	721	722	742	741	6	1	30.0
695	Setto	722	723	743	742	6	1	30.0
696	Setto	723	724	744	743	6	1	30.0
697	Setto	724	725	745	744	6	1	30.0
698	Setto	725	726	746	745	6	1	30.0
699	Setto	726	727	747	746	6	1	30.0
700	Setto	727	728	748	747	6	1	30.0
701	Setto	728	729	749	748	6	1	30.0
702	Setto	729	730	750	749	6	1	30.0
703	Setto	730	731	751	750	6	1	30.0
704	Setto	731	732	752	751	6	1	30.0
705	Setto	732	394	407	752	6	1	30.0
706	Setto	548	733	753	561	6	1	30.0
707	Setto	733	734	754	753	6	1	30.0
708	Setto	734	735	755	754	6	1	30.0
709	Setto	735	736	756	755	6	1	30.0
710	Setto	736	737	757	756	6	1	30.0
711	Setto	737	738	758	757	6	1	30.0
712	Setto	738	739	759	758	6	1	30.0
713	Setto	739	740	760	759	6	1	30.0
714	Setto	740	741	761	760	6	1	30.0
715	Setto	741	742	762	761	6	1	30.0
716	Setto	742	743	763	762	6	1	30.0
717	Setto	743	744	764	763	6	1	30.0
718	Setto	744	745	765	764	6	1	30.0
719	Setto	745	746	766	765	6	1	30.0
720	Setto	746	747	767	766	6	1	30.0
721	Setto	747	748	768	767	6	1	30.0
722	Setto	748	749	769	768	6	1	30.0
723	Setto	749	750	770	769	6	1	30.0
724	Setto	750	751	771	770	6	1	30.0
725	Setto	751	752	772	771	6	1	30.0
726	Setto	752	407	420	772	6	1	30.0
727	Setto	561	753	773	289	6	1	30.0
728	Setto	753	754	774	773	6	1	30.0
729	Setto	754	755	775	774	6	1	30.0
730	Setto	755	756	776	775	6	1	30.0
731	Setto	756	757	777	776	6	1	30.0
732	Setto	757	758	778	777	6	1	30.0
733	Setto	758	759	779	778	6	1	30.0
734	Setto	759	760	780	779	6	1	30.0
735	Setto	760	761	781	780	6	1	30.0
736	Setto	761	762	782	781	6	1	30.0
737	Setto	762	763	783	782	6	1	30.0
738	Setto	763	764	784	783	6	1	30.0
739	Setto	764	765	785	784	6	1	30.0
740	Setto	765	766	786	785	6	1	30.0
741	Setto	766	767	787	786	6	1	30.0
742	Setto	767	768	788	787	6	1	30.0
743	Setto	768	769	789	788	6	1	30.0
744	Setto	769	770	790	789	6	1	30.0
745	Setto	770	771	791	790	6	1	30.0
746	Setto	771	772	792	791	6	1	30.0
747	Setto	772	420	290	792	6	1	30.0
748	Guscio	287	562	793	794	6	1	20.0
749	Guscio	562	563	795	793	6	1	20.0
750	Guscio	563	564	796	795	6	1	20.0
751	Guscio	564	565	797	796	6	1	20.0
752	Guscio	565	566	798	797	6	1	20.0
753	Guscio	566	567	799	798	6	1	20.0
754	Guscio	567	568	800	799	6	1	20.0
755	Guscio	568	569	801	800	6	1	20.0
756	Guscio	569	570	802	801	6	1	20.0
757	Guscio	570	571	803	802	6	1	20.0
758	Guscio	571	572	804	803	6	1	20.0
759	Guscio	572	289	773	804	6	1	20.0
760	Guscio	794	793	805	806	6	1	20.0
761	Guscio	793	795	807	805	6	1	20.0
762	Guscio	795	796	808	807	6	1	20.0
763	Guscio	796	797	809	808	6	1	20.0
764	Guscio	797	798	810	809	6	1	20.0
765	Guscio	798	799	811	810	6	1	20.0

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766	Guscio	799	800	812	811	6	1	20.0
767	Guscio	800	801	813	812	6	1	20.0
768	Guscio	801	802	814	813	6	1	20.0
769	Guscio	802	803	815	814	6	1	20.0
770	Guscio	803	804	816	815	6	1	20.0
771	Guscio	804	773	774	816	6	1	20.0
772	Guscio	806	805	817	818	6	1	20.0
773	Guscio	805	807	819	817	6	1	20.0
774	Guscio	807	808	820	819	6	1	20.0
775	Guscio	808	809	821	820	6	1	20.0
776	Guscio	809	810	822	821	6	1	20.0
777	Guscio	810	811	823	822	6	1	20.0
778	Guscio	811	812	824	823	6	1	20.0
779	Guscio	812	813	825	824	6	1	20.0
780	Guscio	813	814	826	825	6	1	20.0
781	Guscio	814	815	827	826	6	1	20.0
782	Guscio	815	816	828	827	6	1	20.0
783	Guscio	816	774	775	828	6	1	20.0
784	Guscio	818	817	829	830	6	1	20.0
785	Guscio	817	819	831	829	6	1	20.0
786	Guscio	819	820	832	831	6	1	20.0
787	Guscio	820	821	833	832	6	1	20.0
788	Guscio	821	822	834	833	6	1	20.0
789	Guscio	822	823	835	834	6	1	20.0
790	Guscio	823	824	836	835	6	1	20.0
791	Guscio	824	825	837	836	6	1	20.0
792	Guscio	825	826	838	837	6	1	20.0
793	Guscio	826	827	839	838	6	1	20.0
794	Guscio	827	828	840	839	6	1	20.0
795	Guscio	828	775	776	840	6	1	20.0
796	Guscio	830	829	841	842	6	1	20.0
797	Guscio	829	831	843	841	6	1	20.0
798	Guscio	831	832	844	843	6	1	20.0
799	Guscio	832	833	845	844	6	1	20.0
800	Guscio	833	834	846	845	6	1	20.0
801	Guscio	834	835	847	846	6	1	20.0
802	Guscio	835	836	848	847	6	1	20.0
803	Guscio	836	837	849	848	6	1	20.0
804	Guscio	837	838	850	849	6	1	20.0
805	Guscio	838	839	851	850	6	1	20.0
806	Guscio	839	840	852	851	6	1	20.0
807	Guscio	840	776	777	852	6	1	20.0
808	Guscio	842	841	853	854	6	1	20.0
809	Guscio	841	843	855	853	6	1	20.0
810	Guscio	843	844	856	855	6	1	20.0
811	Guscio	844	845	857	856	6	1	20.0
812	Guscio	845	846	858	857	6	1	20.0
813	Guscio	846	847	859	858	6	1	20.0
814	Guscio	847	848	860	859	6	1	20.0
815	Guscio	848	849	861	860	6	1	20.0
816	Guscio	849	850	862	861	6	1	20.0
817	Guscio	850	851	863	862	6	1	20.0
818	Guscio	851	852	864	863	6	1	20.0
819	Guscio	852	777	778	864	6	1	20.0
820	Guscio	854	853	865	866	6	1	20.0
821	Guscio	853	855	867	865	6	1	20.0
822	Guscio	855	856	868	867	6	1	20.0
823	Guscio	856	857	869	868	6	1	20.0
824	Guscio	857	858	870	869	6	1	20.0
825	Guscio	858	859	871	870	6	1	20.0
826	Guscio	859	860	872	871	6	1	20.0
827	Guscio	860	861	873	872	6	1	20.0
828	Guscio	861	862	874	873	6	1	20.0
829	Guscio	862	863	875	874	6	1	20.0
830	Guscio	863	864	876	875	6	1	20.0
831	Guscio	864	778	779	876	6	1	20.0
832	Guscio	866	865	877	878	6	1	20.0
833	Guscio	865	867	879	877	6	1	20.0
834	Guscio	867	868	880	879	6	1	20.0
835	Guscio	868	869	881	880	6	1	20.0
836	Guscio	869	870	882	881	6	1	20.0
837	Guscio	870	871	883	882	6	1	20.0
838	Guscio	871	872	884	883	6	1	20.0
839	Guscio	872	873	885	884	6	1	20.0
840	Guscio	873	874	886	885	6	1	20.0
841	Guscio	874	875	887	886	6	1	20.0
842	Guscio	875	876	888	887	6	1	20.0
843	Guscio	876	779	780	888	6	1	20.0

844	Guscio	878	877	889	890	6	1	20.0
845	Guscio	877	879	891	889	6	1	20.0
846	Guscio	879	880	892	891	6	1	20.0
847	Guscio	880	881	893	892	6	1	20.0
848	Guscio	881	882	894	893	6	1	20.0
849	Guscio	882	883	895	894	6	1	20.0
850	Guscio	883	884	896	895	6	1	20.0
851	Guscio	884	885	897	896	6	1	20.0
852	Guscio	885	886	898	897	6	1	20.0
853	Guscio	886	887	899	898	6	1	20.0
854	Guscio	887	888	900	899	6	1	20.0
855	Guscio	888	780	781	900	6	1	20.0
856	Guscio	890	889	901	902	6	1	20.0
857	Guscio	889	891	903	901	6	1	20.0
858	Guscio	891	892	904	903	6	1	20.0
859	Guscio	892	893	905	904	6	1	20.0
860	Guscio	893	894	906	905	6	1	20.0
861	Guscio	894	895	907	906	6	1	20.0
862	Guscio	895	896	908	907	6	1	20.0
863	Guscio	896	897	909	908	6	1	20.0
864	Guscio	897	898	910	909	6	1	20.0
865	Guscio	898	899	911	910	6	1	20.0
866	Guscio	899	900	912	911	6	1	20.0
867	Guscio	900	781	782	912	6	1	20.0
868	Guscio	902	901	913	914	6	1	20.0
869	Guscio	901	903	915	913	6	1	20.0
870	Guscio	903	904	916	915	6	1	20.0
871	Guscio	904	905	917	916	6	1	20.0
872	Guscio	905	906	918	917	6	1	20.0
873	Guscio	906	907	919	918	6	1	20.0
874	Guscio	907	908	920	919	6	1	20.0
875	Guscio	908	909	921	920	6	1	20.0
876	Guscio	909	910	922	921	6	1	20.0
877	Guscio	910	911	923	922	6	1	20.0
878	Guscio	911	912	924	923	6	1	20.0
879	Guscio	912	782	783	924	6	1	20.0
880	Guscio	914	913	925	926	6	1	20.0
881	Guscio	913	915	927	925	6	1	20.0
882	Guscio	915	916	928	927	6	1	20.0
883	Guscio	916	917	929	928	6	1	20.0
884	Guscio	917	918	930	929	6	1	20.0
885	Guscio	918	919	931	930	6	1	20.0
886	Guscio	919	920	932	931	6	1	20.0
887	Guscio	920	921	933	932	6	1	20.0
888	Guscio	921	922	934	933	6	1	20.0
889	Guscio	922	923	935	934	6	1	20.0
890	Guscio	923	924	936	935	6	1	20.0
891	Guscio	924	783	784	936	6	1	20.0
892	Guscio	926	925	937	938	6	1	20.0
893	Guscio	925	927	939	937	6	1	20.0
894	Guscio	927	928	940	939	6	1	20.0
895	Guscio	928	929	941	940	6	1	20.0
896	Guscio	929	930	942	941	6	1	20.0
897	Guscio	930	931	943	942	6	1	20.0
898	Guscio	931	932	944	943	6	1	20.0
899	Guscio	932	933	945	944	6	1	20.0
900	Guscio	933	934	946	945	6	1	20.0
901	Guscio	934	935	947	946	6	1	20.0
902	Guscio	935	936	948	947	6	1	20.0
903	Guscio	936	784	785	948	6	1	20.0
904	Guscio	938	937	949	950	6	1	20.0
905	Guscio	937	939	951	949	6	1	20.0
906	Guscio	939	940	952	951	6	1	20.0
907	Guscio	940	941	953	952	6	1	20.0
908	Guscio	941	942	954	953	6	1	20.0
909	Guscio	942	943	955	954	6	1	20.0
910	Guscio	943	944	956	955	6	1	20.0
911	Guscio	944	945	957	956	6	1	20.0
912	Guscio	945	946	958	957	6	1	20.0
913	Guscio	946	947	959	958	6	1	20.0
914	Guscio	947	948	960	959	6	1	20.0
915	Guscio	948	785	786	960	6	1	20.0
916	Guscio	950	949	961	962	6	1	20.0
917	Guscio	949	951	963	961	6	1	20.0
918	Guscio	951	952	964	963	6	1	20.0
919	Guscio	952	953	965	964	6	1	20.0
920	Guscio	953	954	966	965	6	1	20.0
921	Guscio	954	955	967	966	6	1	20.0

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922	Guscio	955	956	968	967	6	1	20.0
923	Guscio	956	957	969	968	6	1	20.0
924	Guscio	957	958	970	969	6	1	20.0
925	Guscio	958	959	971	970	6	1	20.0
926	Guscio	959	960	972	971	6	1	20.0
927	Guscio	960	786	787	972	6	1	20.0
928	Guscio	962	961	973	974	6	1	20.0
929	Guscio	961	963	975	973	6	1	20.0
930	Guscio	963	964	976	975	6	1	20.0
931	Guscio	964	965	977	976	6	1	20.0
932	Guscio	965	966	978	977	6	1	20.0
933	Guscio	966	967	979	978	6	1	20.0
934	Guscio	967	968	980	979	6	1	20.0
935	Guscio	968	969	981	980	6	1	20.0
936	Guscio	969	970	982	981	6	1	20.0
937	Guscio	970	971	983	982	6	1	20.0
938	Guscio	971	972	984	983	6	1	20.0
939	Guscio	972	787	788	984	6	1	20.0
940	Guscio	974	973	985	986	6	1	20.0
941	Guscio	973	975	987	985	6	1	20.0
942	Guscio	975	976	988	987	6	1	20.0
943	Guscio	976	977	989	988	6	1	20.0
944	Guscio	977	978	990	989	6	1	20.0
945	Guscio	978	979	991	990	6	1	20.0
946	Guscio	979	980	992	991	6	1	20.0
947	Guscio	980	981	993	992	6	1	20.0
948	Guscio	981	982	994	993	6	1	20.0
949	Guscio	982	983	995	994	6	1	20.0
950	Guscio	983	984	996	995	6	1	20.0
951	Guscio	984	788	789	996	6	1	20.0
952	Guscio	986	985	997	998	6	1	20.0
953	Guscio	985	987	999	997	6	1	20.0
954	Guscio	987	988	1000	999	6	1	20.0
955	Guscio	988	989	1001	1000	6	1	20.0
956	Guscio	989	990	1002	1001	6	1	20.0
957	Guscio	990	991	1003	1002	6	1	20.0
958	Guscio	991	992	1004	1003	6	1	20.0
959	Guscio	992	993	1005	1004	6	1	20.0
960	Guscio	993	994	1006	1005	6	1	20.0
961	Guscio	994	995	1007	1006	6	1	20.0
962	Guscio	995	996	1008	1007	6	1	20.0
963	Guscio	996	789	790	1008	6	1	20.0
964	Guscio	998	997	1009	1010	6	1	20.0
965	Guscio	997	999	1011	1009	6	1	20.0
966	Guscio	999	1000	1012	1011	6	1	20.0
967	Guscio	1000	1001	1013	1012	6	1	20.0
968	Guscio	1001	1002	1014	1013	6	1	20.0
969	Guscio	1002	1003	1015	1014	6	1	20.0
970	Guscio	1003	1004	1016	1015	6	1	20.0
971	Guscio	1004	1005	1017	1016	6	1	20.0
972	Guscio	1005	1006	1018	1017	6	1	20.0
973	Guscio	1006	1007	1019	1018	6	1	20.0
974	Guscio	1007	1008	1020	1019	6	1	20.0
975	Guscio	1008	790	791	1020	6	1	20.0
976	Guscio	1010	1009	1021	1022	6	1	20.0
977	Guscio	1009	1011	1023	1021	6	1	20.0
978	Guscio	1011	1012	1024	1023	6	1	20.0
979	Guscio	1012	1013	1025	1024	6	1	20.0
980	Guscio	1013	1014	1026	1025	6	1	20.0
981	Guscio	1014	1015	1027	1026	6	1	20.0
982	Guscio	1015	1016	1028	1027	6	1	20.0
983	Guscio	1016	1017	1029	1028	6	1	20.0
984	Guscio	1017	1018	1030	1029	6	1	20.0
985	Guscio	1018	1019	1031	1030	6	1	20.0
986	Guscio	1019	1020	1032	1031	6	1	20.0
987	Guscio	1020	791	792	1032	6	1	20.0
988	Guscio	1022	1021	421	288	6	1	20.0
989	Guscio	1021	1023	422	421	6	1	20.0
990	Guscio	1023	1024	423	422	6	1	20.0
991	Guscio	1024	1025	424	423	6	1	20.0
992	Guscio	1025	1026	425	424	6	1	20.0
993	Guscio	1026	1027	426	425	6	1	20.0
994	Guscio	1027	1028	427	426	6	1	20.0
995	Guscio	1028	1029	428	427	6	1	20.0
996	Guscio	1029	1030	429	428	6	1	20.0
997	Guscio	1030	1031	430	429	6	1	20.0
998	Guscio	1031	1032	431	430	6	1	20.0
999	Guscio	1032	792	290	431	6	1	20.0

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1000Guscio fond.	2	276	1075	1037	6	2	30.0	5.00	1.00
1001Guscio fond.	276	277	1076	1075	6	2	30.0	5.00	1.00
1002Guscio fond.	277	278	1077	1076	6	2	30.0	5.00	1.00
1003Guscio fond.	278	279	1078	1077	6	2	30.0	5.00	1.00
1004Guscio fond.	279	280	1079	1078	6	2	30.0	5.00	1.00
1005Guscio fond.	280	281	1080	1079	6	2	30.0	5.00	1.00
1006Guscio fond.	281	282	1081	1080	6	2	30.0	5.00	1.00
1007Guscio fond.	282	283	1082	1081	6	2	30.0	5.00	1.00
1008Guscio fond.	283	284	1083	1082	6	2	30.0	5.00	1.00
1009Guscio fond.	284	285	1084	1083	6	2	30.0	5.00	1.00
1010Guscio fond.	285	286	1085	1084	6	2	30.0	5.00	1.00
1011Guscio fond.	286	4	1056	1085	6	2	30.0	5.00	1.00
1012Guscio fond.	1037	1075	1086	1058	6	2	30.0	5.00	1.00
1013Guscio fond.	1075	1076	1087	1086	6	2	30.0	5.00	1.00
1014Guscio fond.	1076	1077	1088	1087	6	2	30.0	5.00	1.00
1015Guscio fond.	1077	1078	1089	1088	6	2	30.0	5.00	1.00
1016Guscio fond.	1078	1079	1090	1089	6	2	30.0	5.00	1.00
1017Guscio fond.	1079	1080	1091	1090	6	2	30.0	5.00	1.00
1018Guscio fond.	1080	1081	1092	1091	6	2	30.0	5.00	1.00
1019Guscio fond.	1081	1082	1093	1092	6	2	30.0	5.00	1.00
1020Guscio fond.	1082	1083	1094	1093	6	2	30.0	5.00	1.00
1021Guscio fond.	1083	1084	1095	1094	6	2	30.0	5.00	1.00
1022Guscio fond.	1084	1085	1096	1095	6	2	30.0	5.00	1.00
1023Guscio fond.	1085	1056	1068	1096	6	2	30.0	5.00	1.00
1024Guscio fond.	1058	1086	1097	1070	6	2	30.0	5.00	1.00
1025Guscio fond.	1086	1087	1098	1097	6	2	30.0	5.00	1.00
1026Guscio fond.	1087	1088	1099	1098	6	2	30.0	5.00	1.00
1027Guscio fond.	1088	1089	1100	1099	6	2	30.0	5.00	1.00
1028Guscio fond.	1089	1090	1101	1100	6	2	30.0	5.00	1.00
1029Guscio fond.	1090	1091	1102	1101	6	2	30.0	5.00	1.00
1030Guscio fond.	1091	1092	1103	1102	6	2	30.0	5.00	1.00
1031Guscio fond.	1092	1093	1104	1103	6	2	30.0	5.00	1.00
1032Guscio fond.	1093	1094	1105	1104	6	2	30.0	5.00	1.00
1033Guscio fond.	1094	1095	1106	1105	6	2	30.0	5.00	1.00
1034Guscio fond.	1095	1096	1107	1106	6	2	30.0	5.00	1.00
1035Guscio fond.	1096	1068	1041	1107	6	2	30.0	5.00	1.00
1036Guscio fond.	1070	1097	1108	1043	6	2	30.0	5.00	1.00
1037Guscio fond.	1097	1098	1109	1108	6	2	30.0	5.00	1.00
1038Guscio fond.	1098	1099	1110	1109	6	2	30.0	5.00	1.00
1039Guscio fond.	1099	1100	1111	1110	6	2	30.0	5.00	1.00
1040Guscio fond.	1100	1101	1112	1111	6	2	30.0	5.00	1.00
1041Guscio fond.	1101	1102	1113	1112	6	2	30.0	5.00	1.00
1042Guscio fond.	1102	1103	1114	1113	6	2	30.0	5.00	1.00
1043Guscio fond.	1103	1104	1115	1114	6	2	30.0	5.00	1.00
1044Guscio fond.	1104	1105	1116	1115	6	2	30.0	5.00	1.00
1045Guscio fond.	1105	1106	1117	1116	6	2	30.0	5.00	1.00
1046Guscio fond.	1106	1107	1118	1117	6	2	30.0	5.00	1.00
1047Guscio fond.	1107	1041	1053	1118	6	2	30.0	5.00	1.00
1048Guscio fond.	1043	1108	1119	1055	6	2	30.0	5.00	1.00
1049Guscio fond.	1108	1109	1120	1119	6	2	30.0	5.00	1.00
1050Guscio fond.	1109	1110	1121	1120	6	2	30.0	5.00	1.00
1051Guscio fond.	1110	1111	1122	1121	6	2	30.0	5.00	1.00
1052Guscio fond.	1111	1112	1123	1122	6	2	30.0	5.00	1.00
1053Guscio fond.	1112	1113	1124	1123	6	2	30.0	5.00	1.00
1054Guscio fond.	1113	1114	1125	1124	6	2	30.0	5.00	1.00
1055Guscio fond.	1114	1115	1126	1125	6	2	30.0	5.00	1.00
1056Guscio fond.	1115	1116	1127	1126	6	2	30.0	5.00	1.00
1057Guscio fond.	1116	1117	1128	1127	6	2	30.0	5.00	1.00
1058Guscio fond.	1117	1118	1129	1128	6	2	30.0	5.00	1.00
1059Guscio fond.	1118	1053	1067	1129	6	2	30.0	5.00	1.00
1060Guscio fond.	1055	1119	1130	1071	6	2	30.0	5.00	1.00
1061Guscio fond.	1119	1120	1131	1130	6	2	30.0	5.00	1.00
1062Guscio fond.	1120	1121	1132	1131	6	2	30.0	5.00	1.00
1063Guscio fond.	1121	1122	1133	1132	6	2	30.0	5.00	1.00
1064Guscio fond.	1122	1123	1134	1133	6	2	30.0	5.00	1.00
1065Guscio fond.	1123	1124	1135	1134	6	2	30.0	5.00	1.00
1066Guscio fond.	1124	1125	1136	1135	6	2	30.0	5.00	1.00
1067Guscio fond.	1125	1126	1137	1136	6	2	30.0	5.00	1.00
1068Guscio fond.	1126	1127	1138	1137	6	2	30.0	5.00	1.00
1069Guscio fond.	1127	1128	1139	1138	6	2	30.0	5.00	1.00
1070Guscio fond.	1128	1129	1140	1139	6	2	30.0	5.00	1.00
1071Guscio fond.	1129	1067	1044	1140	6	2	30.0	5.00	1.00
1072Guscio fond.	1071	1130	1141	1046	6	2	30.0	5.00	1.00
1073Guscio fond.	1130	1131	1142	1141	6	2	30.0	5.00	1.00
1074Guscio fond.	1131	1132	1143	1142	6	2	30.0	5.00	1.00
1075Guscio fond.	1132	1133	1144	1143	6	2	30.0	5.00	1.00
1076Guscio fond.	1133	1134	1145	1144	6	2	30.0	5.00	1.00
1077Guscio fond.	1134	1135	1146	1145	6	2	30.0	5.00	1.00

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1078Guscio fond.	1135	1136	1147	1146	6	2	30.0	5.00	1.00
1079Guscio fond.	1136	1137	1148	1147	6	2	30.0	5.00	1.00
1080Guscio fond.	1137	1138	1149	1148	6	2	30.0	5.00	1.00
1081Guscio fond.	1138	1139	1150	1149	6	2	30.0	5.00	1.00
1082Guscio fond.	1139	1140	1151	1150	6	2	30.0	5.00	1.00
1083Guscio fond.	1140	1044	1060	1151	6	2	30.0	5.00	1.00
1084Guscio fond.	1046	1141	1152	1062	6	2	30.0	5.00	1.00
1085Guscio fond.	1141	1142	1153	1152	6	2	30.0	5.00	1.00
1086Guscio fond.	1142	1143	1154	1153	6	2	30.0	5.00	1.00
1087Guscio fond.	1143	1144	1155	1154	6	2	30.0	5.00	1.00
1088Guscio fond.	1144	1145	1156	1155	6	2	30.0	5.00	1.00
1089Guscio fond.	1145	1146	1157	1156	6	2	30.0	5.00	1.00
1090Guscio fond.	1146	1147	1158	1157	6	2	30.0	5.00	1.00
1091Guscio fond.	1147	1148	1159	1158	6	2	30.0	5.00	1.00
1092Guscio fond.	1148	1149	1160	1159	6	2	30.0	5.00	1.00
1093Guscio fond.	1149	1150	1161	1160	6	2	30.0	5.00	1.00
1094Guscio fond.	1150	1151	1162	1161	6	2	30.0	5.00	1.00
1095Guscio fond.	1151	1060	1036	1162	6	2	30.0	5.00	1.00
1096Guscio fond.	1062	1152	1163	1039	6	2	30.0	5.00	1.00
1097Guscio fond.	1152	1153	1164	1163	6	2	30.0	5.00	1.00
1098Guscio fond.	1153	1154	1165	1164	6	2	30.0	5.00	1.00
1099Guscio fond.	1154	1155	1166	1165	6	2	30.0	5.00	1.00
1100Guscio fond.	1155	1156	1167	1166	6	2	30.0	5.00	1.00
1101Guscio fond.	1156	1157	1168	1167	6	2	30.0	5.00	1.00
1102Guscio fond.	1157	1158	1169	1168	6	2	30.0	5.00	1.00
1103Guscio fond.	1158	1159	1170	1169	6	2	30.0	5.00	1.00
1104Guscio fond.	1159	1160	1171	1170	6	2	30.0	5.00	1.00
1105Guscio fond.	1160	1161	1172	1171	6	2	30.0	5.00	1.00
1106Guscio fond.	1161	1162	1173	1172	6	2	30.0	5.00	1.00
1107Guscio fond.	1162	1036	1054	1173	6	2	30.0	5.00	1.00
1108Guscio fond.	1039	1163	1174	1059	6	2	30.0	5.00	1.00
1109Guscio fond.	1163	1164	1175	1174	6	2	30.0	5.00	1.00
1110Guscio fond.	1164	1165	1176	1175	6	2	30.0	5.00	1.00
1111Guscio fond.	1165	1166	1177	1176	6	2	30.0	5.00	1.00
1112Guscio fond.	1166	1167	1178	1177	6	2	30.0	5.00	1.00
1113Guscio fond.	1167	1168	1179	1178	6	2	30.0	5.00	1.00
1114Guscio fond.	1168	1169	1180	1179	6	2	30.0	5.00	1.00
1115Guscio fond.	1169	1170	1181	1180	6	2	30.0	5.00	1.00
1116Guscio fond.	1170	1171	1182	1181	6	2	30.0	5.00	1.00
1117Guscio fond.	1171	1172	1183	1182	6	2	30.0	5.00	1.00
1118Guscio fond.	1172	1173	1184	1183	6	2	30.0	5.00	1.00
1119Guscio fond.	1173	1054	1035	1184	6	2	30.0	5.00	1.00
1120Guscio fond.	1059	1174	1185	1040	6	2	30.0	5.00	1.00
1121Guscio fond.	1174	1175	1186	1185	6	2	30.0	5.00	1.00
1122Guscio fond.	1175	1176	1187	1186	6	2	30.0	5.00	1.00
1123Guscio fond.	1176	1177	1188	1187	6	2	30.0	5.00	1.00
1124Guscio fond.	1177	1178	1189	1188	6	2	30.0	5.00	1.00
1125Guscio fond.	1178	1179	1190	1189	6	2	30.0	5.00	1.00
1126Guscio fond.	1179	1180	1191	1190	6	2	30.0	5.00	1.00
1127Guscio fond.	1180	1181	1192	1191	6	2	30.0	5.00	1.00
1128Guscio fond.	1181	1182	1193	1192	6	2	30.0	5.00	1.00
1129Guscio fond.	1182	1183	1194	1193	6	2	30.0	5.00	1.00
1130Guscio fond.	1183	1184	1195	1194	6	2	30.0	5.00	1.00
1131Guscio fond.	1184	1035	1061	1195	6	2	30.0	5.00	1.00
1132Guscio fond.	1040	1185	1196	1064	6	2	30.0	5.00	1.00
1133Guscio fond.	1185	1186	1197	1196	6	2	30.0	5.00	1.00
1134Guscio fond.	1186	1187	1198	1197	6	2	30.0	5.00	1.00
1135Guscio fond.	1187	1188	1199	1198	6	2	30.0	5.00	1.00
1136Guscio fond.	1188	1189	1200	1199	6	2	30.0	5.00	1.00
1137Guscio fond.	1189	1190	1201	1200	6	2	30.0	5.00	1.00
1138Guscio fond.	1190	1191	1202	1201	6	2	30.0	5.00	1.00
1139Guscio fond.	1191	1192	1203	1202	6	2	30.0	5.00	1.00
1140Guscio fond.	1192	1193	1204	1203	6	2	30.0	5.00	1.00
1141Guscio fond.	1193	1194	1205	1204	6	2	30.0	5.00	1.00
1142Guscio fond.	1194	1195	1206	1205	6	2	30.0	5.00	1.00
1143Guscio fond.	1195	1061	1047	1206	6	2	30.0	5.00	1.00
1144Guscio fond.	1064	1196	1207	1049	6	2	30.0	5.00	1.00
1145Guscio fond.	1196	1197	1208	1207	6	2	30.0	5.00	1.00
1146Guscio fond.	1197	1198	1209	1208	6	2	30.0	5.00	1.00
1147Guscio fond.	1198	1199	1210	1209	6	2	30.0	5.00	1.00
1148Guscio fond.	1199	1200	1211	1210	6	2	30.0	5.00	1.00
1149Guscio fond.	1200	1201	1212	1211	6	2	30.0	5.00	1.00
1150Guscio fond.	1201	1202	1213	1212	6	2	30.0	5.00	1.00
1151Guscio fond.	1202	1203	1214	1213	6	2	30.0	5.00	1.00
1152Guscio fond.	1203	1204	1215	1214	6	2	30.0	5.00	1.00
1153Guscio fond.	1204	1205	1216	1215	6	2	30.0	5.00	1.00
1154Guscio fond.	1205	1206	1217	1216	6	2	30.0	5.00	1.00
1155Guscio fond.	1206	1047	1073	1217	6	2	30.0	5.00	1.00

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1156Guscio fond.	1049	1207	1218	1038	6	2	30.0	5.00	1.00
1157Guscio fond.	1207	1208	1219	1218	6	2	30.0	5.00	1.00
1158Guscio fond.	1208	1209	1220	1219	6	2	30.0	5.00	1.00
1159Guscio fond.	1209	1210	1221	1220	6	2	30.0	5.00	1.00
1160Guscio fond.	1210	1211	1222	1221	6	2	30.0	5.00	1.00
1161Guscio fond.	1211	1212	1223	1222	6	2	30.0	5.00	1.00
1162Guscio fond.	1212	1213	1224	1223	6	2	30.0	5.00	1.00
1163Guscio fond.	1213	1214	1225	1224	6	2	30.0	5.00	1.00
1164Guscio fond.	1214	1215	1226	1225	6	2	30.0	5.00	1.00
1165Guscio fond.	1215	1216	1227	1226	6	2	30.0	5.00	1.00
1166Guscio fond.	1216	1217	1228	1227	6	2	30.0	5.00	1.00
1167Guscio fond.	1217	1073	1066	1228	6	2	30.0	5.00	1.00
1168Guscio fond.	1038	1218	1229	1072	6	2	30.0	5.00	1.00
1169Guscio fond.	1218	1219	1230	1229	6	2	30.0	5.00	1.00
1170Guscio fond.	1219	1220	1231	1230	6	2	30.0	5.00	1.00
1171Guscio fond.	1220	1221	1232	1231	6	2	30.0	5.00	1.00
1172Guscio fond.	1221	1222	1233	1232	6	2	30.0	5.00	1.00
1173Guscio fond.	1222	1223	1234	1233	6	2	30.0	5.00	1.00
1174Guscio fond.	1223	1224	1235	1234	6	2	30.0	5.00	1.00
1175Guscio fond.	1224	1225	1236	1235	6	2	30.0	5.00	1.00
1176Guscio fond.	1225	1226	1237	1236	6	2	30.0	5.00	1.00
1177Guscio fond.	1226	1227	1238	1237	6	2	30.0	5.00	1.00
1178Guscio fond.	1227	1228	1239	1238	6	2	30.0	5.00	1.00
1179Guscio fond.	1228	1066	1065	1239	6	2	30.0	5.00	1.00
1180Guscio fond.	1072	1229	1240	1074	6	2	30.0	5.00	1.00
1181Guscio fond.	1229	1230	1241	1240	6	2	30.0	5.00	1.00
1182Guscio fond.	1230	1231	1242	1241	6	2	30.0	5.00	1.00
1183Guscio fond.	1231	1232	1243	1242	6	2	30.0	5.00	1.00
1184Guscio fond.	1232	1233	1244	1243	6	2	30.0	5.00	1.00
1185Guscio fond.	1233	1234	1245	1244	6	2	30.0	5.00	1.00
1186Guscio fond.	1234	1235	1246	1245	6	2	30.0	5.00	1.00
1187Guscio fond.	1235	1236	1247	1246	6	2	30.0	5.00	1.00
1188Guscio fond.	1236	1237	1248	1247	6	2	30.0	5.00	1.00
1189Guscio fond.	1237	1238	1249	1248	6	2	30.0	5.00	1.00
1190Guscio fond.	1238	1239	1250	1249	6	2	30.0	5.00	1.00
1191Guscio fond.	1239	1065	1042	1250	6	2	30.0	5.00	1.00
1192Guscio fond.	1074	1240	1251	1048	6	2	30.0	5.00	1.00
1193Guscio fond.	1240	1241	1252	1251	6	2	30.0	5.00	1.00
1194Guscio fond.	1241	1242	1253	1252	6	2	30.0	5.00	1.00
1195Guscio fond.	1242	1243	1254	1253	6	2	30.0	5.00	1.00
1196Guscio fond.	1243	1244	1255	1254	6	2	30.0	5.00	1.00
1197Guscio fond.	1244	1245	1256	1255	6	2	30.0	5.00	1.00
1198Guscio fond.	1245	1246	1257	1256	6	2	30.0	5.00	1.00
1199Guscio fond.	1246	1247	1258	1257	6	2	30.0	5.00	1.00
1200Guscio fond.	1247	1248	1259	1258	6	2	30.0	5.00	1.00
1201Guscio fond.	1248	1249	1260	1259	6	2	30.0	5.00	1.00
1202Guscio fond.	1249	1250	1261	1260	6	2	30.0	5.00	1.00
1203Guscio fond.	1250	1042	1052	1261	6	2	30.0	5.00	1.00
1204Guscio fond.	1048	1251	1262	1063	6	2	30.0	5.00	1.00
1205Guscio fond.	1251	1252	1263	1262	6	2	30.0	5.00	1.00
1206Guscio fond.	1252	1253	1264	1263	6	2	30.0	5.00	1.00
1207Guscio fond.	1253	1254	1265	1264	6	2	30.0	5.00	1.00
1208Guscio fond.	1254	1255	1266	1265	6	2	30.0	5.00	1.00
1209Guscio fond.	1255	1256	1267	1266	6	2	30.0	5.00	1.00
1210Guscio fond.	1256	1257	1268	1267	6	2	30.0	5.00	1.00
1211Guscio fond.	1257	1258	1269	1268	6	2	30.0	5.00	1.00
1212Guscio fond.	1258	1259	1270	1269	6	2	30.0	5.00	1.00
1213Guscio fond.	1259	1260	1271	1270	6	2	30.0	5.00	1.00
1214Guscio fond.	1260	1261	1272	1271	6	2	30.0	5.00	1.00
1215Guscio fond.	1261	1052	1057	1272	6	2	30.0	5.00	1.00
1216Guscio fond.	1063	1262	1273	1045	6	2	30.0	5.00	1.00
1217Guscio fond.	1262	1263	1274	1273	6	2	30.0	5.00	1.00
1218Guscio fond.	1263	1264	1275	1274	6	2	30.0	5.00	1.00
1219Guscio fond.	1264	1265	1276	1275	6	2	30.0	5.00	1.00
1220Guscio fond.	1265	1266	1277	1276	6	2	30.0	5.00	1.00
1221Guscio fond.	1266	1267	1278	1277	6	2	30.0	5.00	1.00
1222Guscio fond.	1267	1268	1279	1278	6	2	30.0	5.00	1.00
1223Guscio fond.	1268	1269	1280	1279	6	2	30.0	5.00	1.00
1224Guscio fond.	1269	1270	1281	1280	6	2	30.0	5.00	1.00
1225Guscio fond.	1270	1271	1282	1281	6	2	30.0	5.00	1.00
1226Guscio fond.	1271	1272	1283	1282	6	2	30.0	5.00	1.00
1227Guscio fond.	1272	1057	1050	1283	6	2	30.0	5.00	1.00
1228Guscio fond.	1045	1273	1284	1069	6	2	30.0	5.00	1.00
1229Guscio fond.	1273	1274	1285	1284	6	2	30.0	5.00	1.00
1230Guscio fond.	1274	1275	1286	1285	6	2	30.0	5.00	1.00
1231Guscio fond.	1275	1276	1287	1286	6	2	30.0	5.00	1.00
1232Guscio fond.	1276	1277	1288	1287	6	2	30.0	5.00	1.00
1233Guscio fond.	1277	1278	1289	1288	6	2	30.0	5.00	1.00

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1234	Guscio fond.	1278	1279	1290	1289	6	2	30.0	5.00	1.00
1235	Guscio fond.	1279	1280	1291	1290	6	2	30.0	5.00	1.00
1236	Guscio fond.	1280	1281	1292	1291	6	2	30.0	5.00	1.00
1237	Guscio fond.	1281	1282	1293	1292	6	2	30.0	5.00	1.00
1238	Guscio fond.	1282	1283	1294	1293	6	2	30.0	5.00	1.00
1239	Guscio fond.	1283	1050	1051	1294	6	2	30.0	5.00	1.00
1240	Guscio fond.	1069	1284	1295	1033	6	2	30.0	5.00	1.00
1241	Guscio fond.	1284	1285	1296	1295	6	2	30.0	5.00	1.00
1242	Guscio fond.	1285	1286	1297	1296	6	2	30.0	5.00	1.00
1243	Guscio fond.	1286	1287	1298	1297	6	2	30.0	5.00	1.00
1244	Guscio fond.	1287	1288	1299	1298	6	2	30.0	5.00	1.00
1245	Guscio fond.	1288	1289	1300	1299	6	2	30.0	5.00	1.00
1246	Guscio fond.	1289	1290	1301	1300	6	2	30.0	5.00	1.00
1247	Guscio fond.	1290	1291	1302	1301	6	2	30.0	5.00	1.00
1248	Guscio fond.	1291	1292	1303	1302	6	2	30.0	5.00	1.00
1249	Guscio fond.	1292	1293	1304	1303	6	2	30.0	5.00	1.00
1250	Guscio fond.	1293	1294	1305	1304	6	2	30.0	5.00	1.00
1251	Guscio fond.	1294	1051	1034	1305	6	2	30.0	5.00	1.00
1252	Setto	1309	1308	1295	1033	6	1	30.0		
1253	Setto	1308	1310	1296	1295	6	1	30.0		
1254	Setto	1310	1311	1297	1296	6	1	30.0		
1255	Setto	1311	1312	1298	1297	6	1	30.0		
1256	Setto	1312	1313	1299	1298	6	1	30.0		
1257	Setto	1313	1314	1300	1299	6	1	30.0		
1258	Setto	1314	1315	1301	1300	6	1	30.0		
1259	Setto	1315	1316	1302	1301	6	1	30.0		
1260	Setto	1316	1317	1303	1302	6	1	30.0		
1261	Setto	1317	1318	1304	1303	6	1	30.0		
1262	Setto	1318	1319	1305	1304	6	1	30.0		
1263	Setto	1319	1320	1034	1305	6	1	30.0		
1264	Setto	1322	1321	1308	1309	6	1	30.0		
1265	Setto	1321	1323	1310	1308	6	1	30.0		
1266	Setto	1323	1324	1311	1310	6	1	30.0		
1267	Setto	1324	1325	1312	1311	6	1	30.0		
1268	Setto	1325	1326	1313	1312	6	1	30.0		
1269	Setto	1326	1327	1314	1313	6	1	30.0		
1270	Setto	1327	1328	1315	1314	6	1	30.0		
1271	Setto	1328	1329	1316	1315	6	1	30.0		
1272	Setto	1329	1330	1317	1316	6	1	30.0		
1273	Setto	1330	1331	1318	1317	6	1	30.0		
1274	Setto	1331	1332	1319	1318	6	1	30.0		
1275	Setto	1332	1333	1320	1319	6	1	30.0		
1276	Setto	1335	1334	1321	1322	6	1	30.0		
1277	Setto	1334	1336	1323	1321	6	1	30.0		
1278	Setto	1336	1337	1324	1323	6	1	30.0		
1279	Setto	1337	1338	1325	1324	6	1	30.0		
1280	Setto	1338	1339	1326	1325	6	1	30.0		
1281	Setto	1339	1340	1327	1326	6	1	30.0		
1282	Setto	1340	1341	1328	1327	6	1	30.0		
1283	Setto	1341	1342	1329	1328	6	1	30.0		
1284	Setto	1342	1343	1330	1329	6	1	30.0		
1285	Setto	1343	1344	1331	1330	6	1	30.0		
1286	Setto	1344	1345	1332	1331	6	1	30.0		
1287	Setto	1345	1346	1333	1332	6	1	30.0		
1288	Setto	1348	1347	1334	1335	6	1	30.0		
1289	Setto	1347	1349	1336	1334	6	1	30.0		
1290	Setto	1349	1350	1337	1336	6	1	30.0		
1291	Setto	1350	1351	1338	1337	6	1	30.0		
1292	Setto	1351	1352	1339	1338	6	1	30.0		
1293	Setto	1352	1353	1340	1339	6	1	30.0		
1294	Setto	1353	1354	1341	1340	6	1	30.0		
1295	Setto	1354	1355	1342	1341	6	1	30.0		
1296	Setto	1355	1356	1343	1342	6	1	30.0		
1297	Setto	1356	1357	1344	1343	6	1	30.0		
1298	Setto	1357	1358	1345	1344	6	1	30.0		
1299	Setto	1358	1359	1346	1345	6	1	30.0		
1300	Setto	1361	1360	1347	1348	6	1	30.0		
1301	Setto	1360	1362	1349	1347	6	1	30.0		
1302	Setto	1362	1363	1350	1349	6	1	30.0		
1303	Setto	1363	1364	1351	1350	6	1	30.0		
1304	Setto	1364	1365	1352	1351	6	1	30.0		
1305	Setto	1365	1366	1353	1352	6	1	30.0		
1306	Setto	1366	1367	1354	1353	6	1	30.0		
1307	Setto	1367	1368	1355	1354	6	1	30.0		
1308	Setto	1368	1369	1356	1355	6	1	30.0		
1309	Setto	1369	1370	1357	1356	6	1	30.0		
1310	Setto	1370	1371	1358	1357	6	1	30.0		
1311	Setto	1371	1372	1359	1358	6	1	30.0		

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1312	Setto	1374	1373	1360	1361	6	1	30.0
1313	Setto	1373	1375	1362	1360	6	1	30.0
1314	Setto	1375	1376	1363	1362	6	1	30.0
1315	Setto	1376	1377	1364	1363	6	1	30.0
1316	Setto	1377	1378	1365	1364	6	1	30.0
1317	Setto	1378	1379	1366	1365	6	1	30.0
1318	Setto	1379	1380	1367	1366	6	1	30.0
1319	Setto	1380	1381	1368	1367	6	1	30.0
1320	Setto	1381	1382	1369	1368	6	1	30.0
1321	Setto	1382	1383	1370	1369	6	1	30.0
1322	Setto	1383	1384	1371	1370	6	1	30.0
1323	Setto	1384	1385	1372	1371	6	1	30.0
1324	Setto	1387	1386	1373	1374	6	1	30.0
1325	Setto	1386	1388	1375	1373	6	1	30.0
1326	Setto	1388	1389	1376	1375	6	1	30.0
1327	Setto	1389	1390	1377	1376	6	1	30.0
1328	Setto	1390	1391	1378	1377	6	1	30.0
1329	Setto	1391	1392	1379	1378	6	1	30.0
1330	Setto	1392	1393	1380	1379	6	1	30.0
1331	Setto	1393	1394	1381	1380	6	1	30.0
1332	Setto	1394	1395	1382	1381	6	1	30.0
1333	Setto	1395	1396	1383	1382	6	1	30.0
1334	Setto	1396	1397	1384	1383	6	1	30.0
1335	Setto	1397	1398	1385	1384	6	1	30.0
1336	Setto	1400	1399	1386	1387	6	1	30.0
1337	Setto	1399	1401	1388	1386	6	1	30.0
1338	Setto	1401	1402	1389	1388	6	1	30.0
1339	Setto	1402	1403	1390	1389	6	1	30.0
1340	Setto	1403	1404	1391	1390	6	1	30.0
1341	Setto	1404	1405	1392	1391	6	1	30.0
1342	Setto	1405	1406	1393	1392	6	1	30.0
1343	Setto	1406	1407	1394	1393	6	1	30.0
1344	Setto	1407	1408	1395	1394	6	1	30.0
1345	Setto	1408	1409	1396	1395	6	1	30.0
1346	Setto	1409	1410	1397	1396	6	1	30.0
1347	Setto	1410	1411	1398	1397	6	1	30.0
1348	Setto	1413	1412	1399	1400	6	1	30.0
1349	Setto	1412	1414	1401	1399	6	1	30.0
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1352	Setto	1416	1417	1404	1403	6	1	30.0
1353	Setto	1417	1418	1405	1404	6	1	30.0
1354	Setto	1418	1419	1406	1405	6	1	30.0
1355	Setto	1419	1420	1407	1406	6	1	30.0
1356	Setto	1420	1421	1408	1407	6	1	30.0
1357	Setto	1421	1422	1409	1408	6	1	30.0
1358	Setto	1422	1423	1410	1409	6	1	30.0
1359	Setto	1423	1424	1411	1410	6	1	30.0
1360	Setto	1426	1425	1412	1413	6	1	30.0
1361	Setto	1425	1427	1414	1412	6	1	30.0
1362	Setto	1427	1428	1415	1414	6	1	30.0
1363	Setto	1428	1429	1416	1415	6	1	30.0
1364	Setto	1429	1430	1417	1416	6	1	30.0
1365	Setto	1430	1431	1418	1417	6	1	30.0
1366	Setto	1431	1432	1419	1418	6	1	30.0
1367	Setto	1432	1433	1420	1419	6	1	30.0
1368	Setto	1433	1434	1421	1420	6	1	30.0
1369	Setto	1434	1435	1422	1421	6	1	30.0
1370	Setto	1435	1436	1423	1422	6	1	30.0
1371	Setto	1436	1437	1424	1423	6	1	30.0
1372	Setto	1306	1438	1425	1426	6	1	30.0
1373	Setto	1438	1439	1427	1425	6	1	30.0
1374	Setto	1439	1440	1428	1427	6	1	30.0
1375	Setto	1440	1441	1429	1428	6	1	30.0
1376	Setto	1441	1442	1430	1429	6	1	30.0
1377	Setto	1442	1443	1431	1430	6	1	30.0
1378	Setto	1443	1444	1432	1431	6	1	30.0
1379	Setto	1444	1445	1433	1432	6	1	30.0
1380	Setto	1445	1446	1434	1433	6	1	30.0
1381	Setto	1446	1447	1435	1434	6	1	30.0
1382	Setto	1447	1448	1436	1435	6	1	30.0
1383	Setto	1448	1307	1437	1436	6	1	30.0
1384	Setto	4	1056	1449	303	6	1	30.0
1385	Setto	1056	1068	1450	1449	6	1	30.0
1386	Setto	1068	1041	1451	1450	6	1	30.0
1387	Setto	1041	1053	1452	1451	6	1	30.0
1388	Setto	1053	1067	1453	1452	6	1	30.0
1389	Setto	1067	1044	1454	1453	6	1	30.0

1390	Setto	1044	1060	1455	1454	6	1	30.0
1391	Setto	1060	1036	1456	1455	6	1	30.0
1392	Setto	1036	1054	1457	1456	6	1	30.0
1393	Setto	1054	1035	1458	1457	6	1	30.0
1394	Setto	1035	1061	1459	1458	6	1	30.0
1395	Setto	1061	1047	1460	1459	6	1	30.0
1396	Setto	1047	1073	1461	1460	6	1	30.0
1397	Setto	1073	1066	1462	1461	6	1	30.0
1398	Setto	1066	1065	1463	1462	6	1	30.0
1399	Setto	1065	1042	1464	1463	6	1	30.0
1400	Setto	1042	1052	1465	1464	6	1	30.0
1401	Setto	1052	1057	1466	1465	6	1	30.0
1402	Setto	1057	1050	1467	1466	6	1	30.0
1403	Setto	1050	1051	1468	1467	6	1	30.0
1404	Setto	1051	1034	1320	1468	6	1	30.0
1405	Setto	303	1449	1469	316	6	1	30.0
1406	Setto	1449	1450	1470	1469	6	1	30.0
1407	Setto	1450	1451	1471	1470	6	1	30.0
1408	Setto	1451	1452	1472	1471	6	1	30.0
1409	Setto	1452	1453	1473	1472	6	1	30.0
1410	Setto	1453	1454	1474	1473	6	1	30.0
1411	Setto	1454	1455	1475	1474	6	1	30.0
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1419	Setto	1462	1463	1483	1482	6	1	30.0
1420	Setto	1463	1464	1484	1483	6	1	30.0
1421	Setto	1464	1465	1485	1484	6	1	30.0
1422	Setto	1465	1466	1486	1485	6	1	30.0
1423	Setto	1466	1467	1487	1486	6	1	30.0
1424	Setto	1467	1468	1488	1487	6	1	30.0
1425	Setto	1468	1320	1333	1488	6	1	30.0
1426	Setto	316	1469	1489	329	6	1	30.0
1427	Setto	1469	1470	1490	1489	6	1	30.0
1428	Setto	1470	1471	1491	1490	6	1	30.0
1429	Setto	1471	1472	1492	1491	6	1	30.0
1430	Setto	1472	1473	1493	1492	6	1	30.0
1431	Setto	1473	1474	1494	1493	6	1	30.0
1432	Setto	1474	1475	1495	1494	6	1	30.0
1433	Setto	1475	1476	1496	1495	6	1	30.0
1434	Setto	1476	1477	1497	1496	6	1	30.0
1435	Setto	1477	1478	1498	1497	6	1	30.0
1436	Setto	1478	1479	1499	1498	6	1	30.0
1437	Setto	1479	1480	1500	1499	6	1	30.0
1438	Setto	1480	1481	1501	1500	6	1	30.0
1439	Setto	1481	1482	1502	1501	6	1	30.0
1440	Setto	1482	1483	1503	1502	6	1	30.0
1441	Setto	1483	1484	1504	1503	6	1	30.0
1442	Setto	1484	1485	1505	1504	6	1	30.0
1443	Setto	1485	1486	1506	1505	6	1	30.0
1444	Setto	1486	1487	1507	1506	6	1	30.0
1445	Setto	1487	1488	1508	1507	6	1	30.0
1446	Setto	1488	1333	1346	1508	6	1	30.0
1447	Setto	329	1489	1509	342	6	1	30.0
1448	Setto	1489	1490	1510	1509	6	1	30.0
1449	Setto	1490	1491	1511	1510	6	1	30.0
1450	Setto	1491	1492	1512	1511	6	1	30.0
1451	Setto	1492	1493	1513	1512	6	1	30.0
1452	Setto	1493	1494	1514	1513	6	1	30.0
1453	Setto	1494	1495	1515	1514	6	1	30.0
1454	Setto	1495	1496	1516	1515	6	1	30.0
1455	Setto	1496	1497	1517	1516	6	1	30.0
1456	Setto	1497	1498	1518	1517	6	1	30.0
1457	Setto	1498	1499	1519	1518	6	1	30.0
1458	Setto	1499	1500	1520	1519	6	1	30.0
1459	Setto	1500	1501	1521	1520	6	1	30.0
1460	Setto	1501	1502	1522	1521	6	1	30.0
1461	Setto	1502	1503	1523	1522	6	1	30.0
1462	Setto	1503	1504	1524	1523	6	1	30.0
1463	Setto	1504	1505	1525	1524	6	1	30.0
1464	Setto	1505	1506	1526	1525	6	1	30.0
1465	Setto	1506	1507	1527	1526	6	1	30.0
1466	Setto	1507	1508	1528	1527	6	1	30.0
1467	Setto	1508	1346	1359	1528	6	1	30.0

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1468	Setto	342	1509	1529	355	6	1	30.0
1469	Setto	1509	1510	1530	1529	6	1	30.0
1470	Setto	1510	1511	1531	1530	6	1	30.0
1471	Setto	1511	1512	1532	1531	6	1	30.0
1472	Setto	1512	1513	1533	1532	6	1	30.0
1473	Setto	1513	1514	1534	1533	6	1	30.0
1474	Setto	1514	1515	1535	1534	6	1	30.0
1475	Setto	1515	1516	1536	1535	6	1	30.0
1476	Setto	1516	1517	1537	1536	6	1	30.0
1477	Setto	1517	1518	1538	1537	6	1	30.0
1478	Setto	1518	1519	1539	1538	6	1	30.0
1479	Setto	1519	1520	1540	1539	6	1	30.0
1480	Setto	1520	1521	1541	1540	6	1	30.0
1481	Setto	1521	1522	1542	1541	6	1	30.0
1482	Setto	1522	1523	1543	1542	6	1	30.0
1483	Setto	1523	1524	1544	1543	6	1	30.0
1484	Setto	1524	1525	1545	1544	6	1	30.0
1485	Setto	1525	1526	1546	1545	6	1	30.0
1486	Setto	1526	1527	1547	1546	6	1	30.0
1487	Setto	1527	1528	1548	1547	6	1	30.0
1488	Setto	1528	1359	1372	1548	6	1	30.0
1489	Setto	355	1529	1549	368	6	1	30.0
1490	Setto	1529	1530	1550	1549	6	1	30.0
1491	Setto	1530	1531	1551	1550	6	1	30.0
1492	Setto	1531	1532	1552	1551	6	1	30.0
1493	Setto	1532	1533	1553	1552	6	1	30.0
1494	Setto	1533	1534	1554	1553	6	1	30.0
1495	Setto	1534	1535	1555	1554	6	1	30.0
1496	Setto	1535	1536	1556	1555	6	1	30.0
1497	Setto	1536	1537	1557	1556	6	1	30.0
1498	Setto	1537	1538	1558	1557	6	1	30.0
1499	Setto	1538	1539	1559	1558	6	1	30.0
1500	Setto	1539	1540	1560	1559	6	1	30.0
1501	Setto	1540	1541	1561	1560	6	1	30.0
1502	Setto	1541	1542	1562	1561	6	1	30.0
1503	Setto	1542	1543	1563	1562	6	1	30.0
1504	Setto	1543	1544	1564	1563	6	1	30.0
1505	Setto	1544	1545	1565	1564	6	1	30.0
1506	Setto	1545	1546	1566	1565	6	1	30.0
1507	Setto	1546	1547	1567	1566	6	1	30.0
1508	Setto	1547	1548	1568	1567	6	1	30.0
1509	Setto	1548	1372	1385	1568	6	1	30.0
1510	Setto	368	1549	1569	381	6	1	30.0
1511	Setto	1549	1550	1570	1569	6	1	30.0
1512	Setto	1550	1551	1571	1570	6	1	30.0
1513	Setto	1551	1552	1572	1571	6	1	30.0
1514	Setto	1552	1553	1573	1572	6	1	30.0
1515	Setto	1553	1554	1574	1573	6	1	30.0
1516	Setto	1554	1555	1575	1574	6	1	30.0
1517	Setto	1555	1556	1576	1575	6	1	30.0
1518	Setto	1556	1557	1577	1576	6	1	30.0
1519	Setto	1557	1558	1578	1577	6	1	30.0
1520	Setto	1558	1559	1579	1578	6	1	30.0
1521	Setto	1559	1560	1580	1579	6	1	30.0
1522	Setto	1560	1561	1581	1580	6	1	30.0
1523	Setto	1561	1562	1582	1581	6	1	30.0
1524	Setto	1562	1563	1583	1582	6	1	30.0
1525	Setto	1563	1564	1584	1583	6	1	30.0
1526	Setto	1564	1565	1585	1584	6	1	30.0
1527	Setto	1565	1566	1586	1585	6	1	30.0
1528	Setto	1566	1567	1587	1586	6	1	30.0
1529	Setto	1567	1568	1588	1587	6	1	30.0
1530	Setto	1568	1385	1398	1588	6	1	30.0
1531	Setto	381	1569	1589	394	6	1	30.0
1532	Setto	1569	1570	1590	1589	6	1	30.0
1533	Setto	1570	1571	1591	1590	6	1	30.0
1534	Setto	1571	1572	1592	1591	6	1	30.0
1535	Setto	1572	1573	1593	1592	6	1	30.0
1536	Setto	1573	1574	1594	1593	6	1	30.0
1537	Setto	1574	1575	1595	1594	6	1	30.0
1538	Setto	1575	1576	1596	1595	6	1	30.0
1539	Setto	1576	1577	1597	1596	6	1	30.0
1540	Setto	1577	1578	1598	1597	6	1	30.0
1541	Setto	1578	1579	1599	1598	6	1	30.0
1542	Setto	1579	1580	1600	1599	6	1	30.0
1543	Setto	1580	1581	1601	1600	6	1	30.0
1544	Setto	1581	1582	1602	1601	6	1	30.0
1545	Setto	1582	1583	1603	1602	6	1	30.0

1546	Setto	1583	1584	1604	1603	6	1	30.0
1547	Setto	1584	1585	1605	1604	6	1	30.0
1548	Setto	1585	1586	1606	1605	6	1	30.0
1549	Setto	1586	1587	1607	1606	6	1	30.0
1550	Setto	1587	1588	1608	1607	6	1	30.0
1551	Setto	1588	1398	1411	1608	6	1	30.0
1552	Setto	394	1589	1609	407	6	1	30.0
1553	Setto	1589	1590	1610	1609	6	1	30.0
1554	Setto	1590	1591	1611	1610	6	1	30.0
1555	Setto	1591	1592	1612	1611	6	1	30.0
1556	Setto	1592	1593	1613	1612	6	1	30.0
1557	Setto	1593	1594	1614	1613	6	1	30.0
1558	Setto	1594	1595	1615	1614	6	1	30.0
1559	Setto	1595	1596	1616	1615	6	1	30.0
1560	Setto	1596	1597	1617	1616	6	1	30.0
1561	Setto	1597	1598	1618	1617	6	1	30.0
1562	Setto	1598	1599	1619	1618	6	1	30.0
1563	Setto	1599	1600	1620	1619	6	1	30.0
1564	Setto	1600	1601	1621	1620	6	1	30.0
1565	Setto	1601	1602	1622	1621	6	1	30.0
1566	Setto	1602	1603	1623	1622	6	1	30.0
1567	Setto	1603	1604	1624	1623	6	1	30.0
1568	Setto	1604	1605	1625	1624	6	1	30.0
1569	Setto	1605	1606	1626	1625	6	1	30.0
1570	Setto	1606	1607	1627	1626	6	1	30.0
1571	Setto	1607	1608	1628	1627	6	1	30.0
1572	Setto	1608	1411	1424	1628	6	1	30.0
1573	Setto	407	1609	1629	420	6	1	30.0
1574	Setto	1609	1610	1630	1629	6	1	30.0
1575	Setto	1610	1611	1631	1630	6	1	30.0
1576	Setto	1611	1612	1632	1631	6	1	30.0
1577	Setto	1612	1613	1633	1632	6	1	30.0
1578	Setto	1613	1614	1634	1633	6	1	30.0
1579	Setto	1614	1615	1635	1634	6	1	30.0
1580	Setto	1615	1616	1636	1635	6	1	30.0
1581	Setto	1616	1617	1637	1636	6	1	30.0
1582	Setto	1617	1618	1638	1637	6	1	30.0
1583	Setto	1618	1619	1639	1638	6	1	30.0
1584	Setto	1619	1620	1640	1639	6	1	30.0
1585	Setto	1620	1621	1641	1640	6	1	30.0
1586	Setto	1621	1622	1642	1641	6	1	30.0
1587	Setto	1622	1623	1643	1642	6	1	30.0
1588	Setto	1623	1624	1644	1643	6	1	30.0
1589	Setto	1624	1625	1645	1644	6	1	30.0
1590	Setto	1625	1626	1646	1645	6	1	30.0
1591	Setto	1626	1627	1647	1646	6	1	30.0
1592	Setto	1627	1628	1648	1647	6	1	30.0
1593	Setto	1628	1424	1437	1648	6	1	30.0
1594	Setto	420	1629	1649	290	6	1	30.0
1595	Setto	1629	1630	1650	1649	6	1	30.0
1596	Setto	1630	1631	1651	1650	6	1	30.0
1597	Setto	1631	1632	1652	1651	6	1	30.0
1598	Setto	1632	1633	1653	1652	6	1	30.0
1599	Setto	1633	1634	1654	1653	6	1	30.0
1600	Setto	1634	1635	1655	1654	6	1	30.0
1601	Setto	1635	1636	1656	1655	6	1	30.0
1602	Setto	1636	1637	1657	1656	6	1	30.0
1603	Setto	1637	1638	1658	1657	6	1	30.0
1604	Setto	1638	1639	1659	1658	6	1	30.0
1605	Setto	1639	1640	1660	1659	6	1	30.0
1606	Setto	1640	1641	1661	1660	6	1	30.0
1607	Setto	1641	1642	1662	1661	6	1	30.0
1608	Setto	1642	1643	1663	1662	6	1	30.0
1609	Setto	1643	1644	1664	1663	6	1	30.0
1610	Setto	1644	1645	1665	1664	6	1	30.0
1611	Setto	1645	1646	1666	1665	6	1	30.0
1612	Setto	1646	1647	1667	1666	6	1	30.0
1613	Setto	1647	1648	1668	1667	6	1	30.0
1614	Setto	1648	1437	1307	1668	6	1	30.0
1615	Guscio	288	421	1669	1670	6	1	20.0
1616	Guscio	421	422	1671	1669	6	1	20.0
1617	Guscio	422	423	1672	1671	6	1	20.0
1618	Guscio	423	424	1673	1672	6	1	20.0
1619	Guscio	424	425	1674	1673	6	1	20.0
1620	Guscio	425	426	1675	1674	6	1	20.0
1621	Guscio	426	427	1676	1675	6	1	20.0
1622	Guscio	427	428	1677	1676	6	1	20.0
1623	Guscio	428	429	1678	1677	6	1	20.0

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1624	Guscio	429	430	1679	1678	6	1	20.0
1625	Guscio	430	431	1680	1679	6	1	20.0
1626	Guscio	431	290	1649	1680	6	1	20.0
1627	Guscio	1670	1669	1681	1682	6	1	20.0
1628	Guscio	1669	1671	1683	1681	6	1	20.0
1629	Guscio	1671	1672	1684	1683	6	1	20.0
1630	Guscio	1672	1673	1685	1684	6	1	20.0
1631	Guscio	1673	1674	1686	1685	6	1	20.0
1632	Guscio	1674	1675	1687	1686	6	1	20.0
1633	Guscio	1675	1676	1688	1687	6	1	20.0
1634	Guscio	1676	1677	1689	1688	6	1	20.0
1635	Guscio	1677	1678	1690	1689	6	1	20.0
1636	Guscio	1678	1679	1691	1690	6	1	20.0
1637	Guscio	1679	1680	1692	1691	6	1	20.0
1638	Guscio	1680	1649	1650	1692	6	1	20.0
1639	Guscio	1682	1681	1693	1694	6	1	20.0
1640	Guscio	1681	1683	1695	1693	6	1	20.0
1641	Guscio	1683	1684	1696	1695	6	1	20.0
1642	Guscio	1684	1685	1697	1696	6	1	20.0
1643	Guscio	1685	1686	1698	1697	6	1	20.0
1644	Guscio	1686	1687	1699	1698	6	1	20.0
1645	Guscio	1687	1688	1700	1699	6	1	20.0
1646	Guscio	1688	1689	1701	1700	6	1	20.0
1647	Guscio	1689	1690	1702	1701	6	1	20.0
1648	Guscio	1690	1691	1703	1702	6	1	20.0
1649	Guscio	1691	1692	1704	1703	6	1	20.0
1650	Guscio	1692	1650	1651	1704	6	1	20.0
1651	Guscio	1694	1693	1705	1706	6	1	20.0
1652	Guscio	1693	1695	1707	1705	6	1	20.0
1653	Guscio	1695	1696	1708	1707	6	1	20.0
1654	Guscio	1696	1697	1709	1708	6	1	20.0
1655	Guscio	1697	1698	1710	1709	6	1	20.0
1656	Guscio	1698	1699	1711	1710	6	1	20.0
1657	Guscio	1699	1700	1712	1711	6	1	20.0
1658	Guscio	1700	1701	1713	1712	6	1	20.0
1659	Guscio	1701	1702	1714	1713	6	1	20.0
1660	Guscio	1702	1703	1715	1714	6	1	20.0
1661	Guscio	1703	1704	1716	1715	6	1	20.0
1662	Guscio	1704	1651	1652	1716	6	1	20.0
1663	Guscio	1706	1705	1717	1718	6	1	20.0
1664	Guscio	1705	1707	1719	1717	6	1	20.0
1665	Guscio	1707	1708	1720	1719	6	1	20.0
1666	Guscio	1708	1709	1721	1720	6	1	20.0
1667	Guscio	1709	1710	1722	1721	6	1	20.0
1668	Guscio	1710	1711	1723	1722	6	1	20.0
1669	Guscio	1711	1712	1724	1723	6	1	20.0
1670	Guscio	1712	1713	1725	1724	6	1	20.0
1671	Guscio	1713	1714	1726	1725	6	1	20.0
1672	Guscio	1714	1715	1727	1726	6	1	20.0
1673	Guscio	1715	1716	1728	1727	6	1	20.0
1674	Guscio	1716	1652	1653	1728	6	1	20.0
1675	Guscio	1718	1717	1729	1730	6	1	20.0
1676	Guscio	1717	1719	1731	1729	6	1	20.0
1677	Guscio	1719	1720	1732	1731	6	1	20.0
1678	Guscio	1720	1721	1733	1732	6	1	20.0
1679	Guscio	1721	1722	1734	1733	6	1	20.0
1680	Guscio	1722	1723	1735	1734	6	1	20.0
1681	Guscio	1723	1724	1736	1735	6	1	20.0
1682	Guscio	1724	1725	1737	1736	6	1	20.0
1683	Guscio	1725	1726	1738	1737	6	1	20.0
1684	Guscio	1726	1727	1739	1738	6	1	20.0
1685	Guscio	1727	1728	1740	1739	6	1	20.0
1686	Guscio	1728	1653	1654	1740	6	1	20.0
1687	Guscio	1730	1729	1741	1742	6	1	20.0
1688	Guscio	1729	1731	1743	1741	6	1	20.0
1689	Guscio	1731	1732	1744	1743	6	1	20.0
1690	Guscio	1732	1733	1745	1744	6	1	20.0
1691	Guscio	1733	1734	1746	1745	6	1	20.0
1692	Guscio	1734	1735	1747	1746	6	1	20.0
1693	Guscio	1735	1736	1748	1747	6	1	20.0
1694	Guscio	1736	1737	1749	1748	6	1	20.0
1695	Guscio	1737	1738	1750	1749	6	1	20.0
1696	Guscio	1738	1739	1751	1750	6	1	20.0
1697	Guscio	1739	1740	1752	1751	6	1	20.0
1698	Guscio	1740	1654	1655	1752	6	1	20.0
1699	Guscio	1742	1741	1753	1754	6	1	20.0
1700	Guscio	1741	1743	1755	1753	6	1	20.0
1701	Guscio	1743	1744	1756	1755	6	1	20.0

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1702	Guscio	1744	1745	1757	1756	6	1	20.0
1703	Guscio	1745	1746	1758	1757	6	1	20.0
1704	Guscio	1746	1747	1759	1758	6	1	20.0
1705	Guscio	1747	1748	1760	1759	6	1	20.0
1706	Guscio	1748	1749	1761	1760	6	1	20.0
1707	Guscio	1749	1750	1762	1761	6	1	20.0
1708	Guscio	1750	1751	1763	1762	6	1	20.0
1709	Guscio	1751	1752	1764	1763	6	1	20.0
1710	Guscio	1752	1655	1656	1764	6	1	20.0
1711	Guscio	1754	1753	1765	1766	6	1	20.0
1712	Guscio	1753	1755	1767	1765	6	1	20.0
1713	Guscio	1755	1756	1768	1767	6	1	20.0
1714	Guscio	1756	1757	1769	1768	6	1	20.0
1715	Guscio	1757	1758	1770	1769	6	1	20.0
1716	Guscio	1758	1759	1771	1770	6	1	20.0
1717	Guscio	1759	1760	1772	1771	6	1	20.0
1718	Guscio	1760	1761	1773	1772	6	1	20.0
1719	Guscio	1761	1762	1774	1773	6	1	20.0
1720	Guscio	1762	1763	1775	1774	6	1	20.0
1721	Guscio	1763	1764	1776	1775	6	1	20.0
1722	Guscio	1764	1656	1657	1776	6	1	20.0
1723	Guscio	1766	1765	1777	1778	6	1	20.0
1724	Guscio	1765	1767	1779	1777	6	1	20.0
1725	Guscio	1767	1768	1780	1779	6	1	20.0
1726	Guscio	1768	1769	1781	1780	6	1	20.0
1727	Guscio	1769	1770	1782	1781	6	1	20.0
1728	Guscio	1770	1771	1783	1782	6	1	20.0
1729	Guscio	1771	1772	1784	1783	6	1	20.0
1730	Guscio	1772	1773	1785	1784	6	1	20.0
1731	Guscio	1773	1774	1786	1785	6	1	20.0
1732	Guscio	1774	1775	1787	1786	6	1	20.0
1733	Guscio	1775	1776	1788	1787	6	1	20.0
1734	Guscio	1776	1657	1658	1788	6	1	20.0
1735	Guscio	1778	1777	1789	1790	6	1	20.0
1736	Guscio	1777	1779	1791	1789	6	1	20.0
1737	Guscio	1779	1780	1792	1791	6	1	20.0
1738	Guscio	1780	1781	1793	1792	6	1	20.0
1739	Guscio	1781	1782	1794	1793	6	1	20.0
1740	Guscio	1782	1783	1795	1794	6	1	20.0
1741	Guscio	1783	1784	1796	1795	6	1	20.0
1742	Guscio	1784	1785	1797	1796	6	1	20.0
1743	Guscio	1785	1786	1798	1797	6	1	20.0
1744	Guscio	1786	1787	1799	1798	6	1	20.0
1745	Guscio	1787	1788	1800	1799	6	1	20.0
1746	Guscio	1788	1658	1659	1800	6	1	20.0
1747	Guscio	1790	1789	1801	1802	6	1	20.0
1748	Guscio	1789	1791	1803	1801	6	1	20.0
1749	Guscio	1791	1792	1804	1803	6	1	20.0
1750	Guscio	1792	1793	1805	1804	6	1	20.0
1751	Guscio	1793	1794	1806	1805	6	1	20.0
1752	Guscio	1794	1795	1807	1806	6	1	20.0
1753	Guscio	1795	1796	1808	1807	6	1	20.0
1754	Guscio	1796	1797	1809	1808	6	1	20.0
1755	Guscio	1797	1798	1810	1809	6	1	20.0
1756	Guscio	1798	1799	1811	1810	6	1	20.0
1757	Guscio	1799	1800	1812	1811	6	1	20.0
1758	Guscio	1800	1659	1660	1812	6	1	20.0
1759	Guscio	1802	1801	1813	1814	6	1	20.0
1760	Guscio	1801	1803	1815	1813	6	1	20.0
1761	Guscio	1803	1804	1816	1815	6	1	20.0
1762	Guscio	1804	1805	1817	1816	6	1	20.0
1763	Guscio	1805	1806	1818	1817	6	1	20.0
1764	Guscio	1806	1807	1819	1818	6	1	20.0
1765	Guscio	1807	1808	1820	1819	6	1	20.0
1766	Guscio	1808	1809	1821	1820	6	1	20.0
1767	Guscio	1809	1810	1822	1821	6	1	20.0
1768	Guscio	1810	1811	1823	1822	6	1	20.0
1769	Guscio	1811	1812	1824	1823	6	1	20.0
1770	Guscio	1812	1660	1661	1824	6	1	20.0
1771	Guscio	1814	1813	1825	1826	6	1	20.0
1772	Guscio	1813	1815	1827	1825	6	1	20.0
1773	Guscio	1815	1816	1828	1827	6	1	20.0
1774	Guscio	1816	1817	1829	1828	6	1	20.0
1775	Guscio	1817	1818	1830	1829	6	1	20.0
1776	Guscio	1818	1819	1831	1830	6	1	20.0
1777	Guscio	1819	1820	1832	1831	6	1	20.0
1778	Guscio	1820	1821	1833	1832	6	1	20.0
1779	Guscio	1821	1822	1834	1833	6	1	20.0

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1780	Guscio	1822	1823	1835	1834	6	1	20.0
1781	Guscio	1823	1824	1836	1835	6	1	20.0
1782	Guscio	1824	1661	1662	1836	6	1	20.0
1783	Guscio	1826	1825	1837	1838	6	1	20.0
1784	Guscio	1825	1827	1839	1837	6	1	20.0
1785	Guscio	1827	1828	1840	1839	6	1	20.0
1786	Guscio	1828	1829	1841	1840	6	1	20.0
1787	Guscio	1829	1830	1842	1841	6	1	20.0
1788	Guscio	1830	1831	1843	1842	6	1	20.0
1789	Guscio	1831	1832	1844	1843	6	1	20.0
1790	Guscio	1832	1833	1845	1844	6	1	20.0
1791	Guscio	1833	1834	1846	1845	6	1	20.0
1792	Guscio	1834	1835	1847	1846	6	1	20.0
1793	Guscio	1835	1836	1848	1847	6	1	20.0
1794	Guscio	1836	1662	1663	1848	6	1	20.0
1795	Guscio	1838	1837	1849	1850	6	1	20.0
1796	Guscio	1837	1839	1851	1849	6	1	20.0
1797	Guscio	1839	1840	1852	1851	6	1	20.0
1798	Guscio	1840	1841	1853	1852	6	1	20.0
1799	Guscio	1841	1842	1854	1853	6	1	20.0
1800	Guscio	1842	1843	1855	1854	6	1	20.0
1801	Guscio	1843	1844	1856	1855	6	1	20.0
1802	Guscio	1844	1845	1857	1856	6	1	20.0
1803	Guscio	1845	1846	1858	1857	6	1	20.0
1804	Guscio	1846	1847	1859	1858	6	1	20.0
1805	Guscio	1847	1848	1860	1859	6	1	20.0
1806	Guscio	1848	1663	1664	1860	6	1	20.0
1807	Guscio	1850	1849	1861	1862	6	1	20.0
1808	Guscio	1849	1851	1863	1861	6	1	20.0
1809	Guscio	1851	1852	1864	1863	6	1	20.0
1810	Guscio	1852	1853	1865	1864	6	1	20.0
1811	Guscio	1853	1854	1866	1865	6	1	20.0
1812	Guscio	1854	1855	1867	1866	6	1	20.0
1813	Guscio	1855	1856	1868	1867	6	1	20.0
1814	Guscio	1856	1857	1869	1868	6	1	20.0
1815	Guscio	1857	1858	1870	1869	6	1	20.0
1816	Guscio	1858	1859	1871	1870	6	1	20.0
1817	Guscio	1859	1860	1872	1871	6	1	20.0
1818	Guscio	1860	1664	1665	1872	6	1	20.0
1819	Guscio	1862	1861	1873	1874	6	1	20.0
1820	Guscio	1861	1863	1875	1873	6	1	20.0
1821	Guscio	1863	1864	1876	1875	6	1	20.0
1822	Guscio	1864	1865	1877	1876	6	1	20.0
1823	Guscio	1865	1866	1878	1877	6	1	20.0
1824	Guscio	1866	1867	1879	1878	6	1	20.0
1825	Guscio	1867	1868	1880	1879	6	1	20.0
1826	Guscio	1868	1869	1881	1880	6	1	20.0
1827	Guscio	1869	1870	1882	1881	6	1	20.0
1828	Guscio	1870	1871	1883	1882	6	1	20.0
1829	Guscio	1871	1872	1884	1883	6	1	20.0
1830	Guscio	1872	1665	1666	1884	6	1	20.0
1831	Guscio	1874	1873	1885	1886	6	1	20.0
1832	Guscio	1873	1875	1887	1885	6	1	20.0
1833	Guscio	1875	1876	1888	1887	6	1	20.0
1834	Guscio	1876	1877	1889	1888	6	1	20.0
1835	Guscio	1877	1878	1890	1889	6	1	20.0
1836	Guscio	1878	1879	1891	1890	6	1	20.0
1837	Guscio	1879	1880	1892	1891	6	1	20.0
1838	Guscio	1880	1881	1893	1892	6	1	20.0
1839	Guscio	1881	1882	1894	1893	6	1	20.0
1840	Guscio	1882	1883	1895	1894	6	1	20.0
1841	Guscio	1883	1884	1896	1895	6	1	20.0
1842	Guscio	1884	1666	1667	1896	6	1	20.0
1843	Guscio	1886	1885	1897	1898	6	1	20.0
1844	Guscio	1885	1887	1899	1897	6	1	20.0
1845	Guscio	1887	1888	1900	1899	6	1	20.0
1846	Guscio	1888	1889	1901	1900	6	1	20.0
1847	Guscio	1889	1890	1902	1901	6	1	20.0
1848	Guscio	1890	1891	1903	1902	6	1	20.0
1849	Guscio	1891	1892	1904	1903	6	1	20.0
1850	Guscio	1892	1893	1905	1904	6	1	20.0
1851	Guscio	1893	1894	1906	1905	6	1	20.0
1852	Guscio	1894	1895	1907	1906	6	1	20.0
1853	Guscio	1895	1896	1908	1907	6	1	20.0
1854	Guscio	1896	1667	1668	1908	6	1	20.0
1855	Guscio	1898	1897	1438	1306	6	1	20.0
1856	Guscio	1897	1899	1439	1438	6	1	20.0
1857	Guscio	1899	1900	1440	1439	6	1	20.0

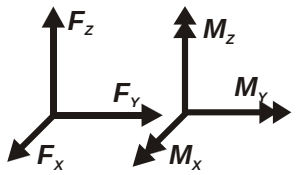
1858	Guscio	1900	1901	1441	1440	6	1	20.0
1859	Guscio	1901	1902	1442	1441	6	1	20.0
1860	Guscio	1902	1903	1443	1442	6	1	20.0
1861	Guscio	1903	1904	1444	1443	6	1	20.0
1862	Guscio	1904	1905	1445	1444	6	1	20.0
1863	Guscio	1905	1906	1446	1445	6	1	20.0
1864	Guscio	1906	1907	1447	1446	6	1	20.0
1865	Guscio	1907	1908	1448	1447	6	1	20.0
1866	Guscio	1908	1668	1307	1448	6	1	20.0

09.4 Modellazione delle azioni

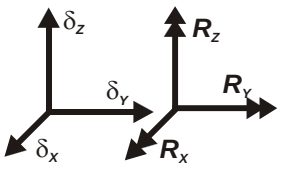
09.4.1 Legenda tabella dati azioni

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

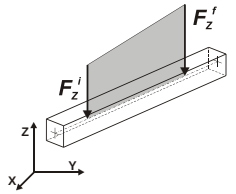
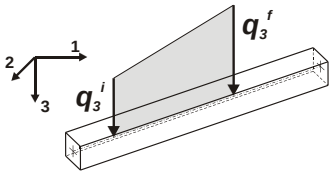
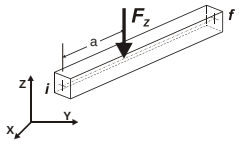
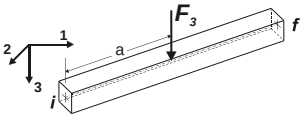
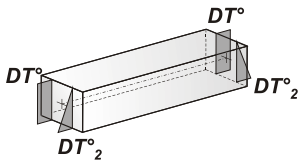
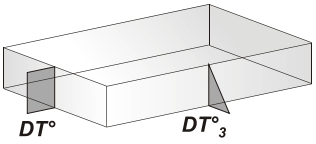
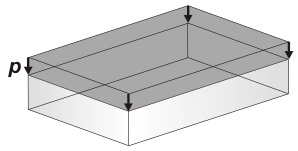
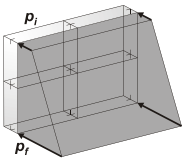
1	carico concentrato nodale 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	spostamento nodale impresso 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	carico distribuito globale su elemento tipo trave 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)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



Carico concentrato nodale



Spostamento impresso

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

Tipo	carico di pressione uniforme su piastra

Con questa tipologia sono stati inseriti sulle piastre il carico permanente dovuto alle finiture, il sovraccarico in copertura pari a 500 daN/mq ed il carico di 200 daN/mq interno alle cabine/magazzini.

Id	Tipo	pressione
		daN/cm2
1	P3:p=-2.500e-02	-0.03
2	P3:p=-5.000e-02	-0.05
3	P3:p=-2.000e-02	-0.02

09.7 Schematizzazione dei casi di carico

09.7.1 Legenda tabella casi di carico

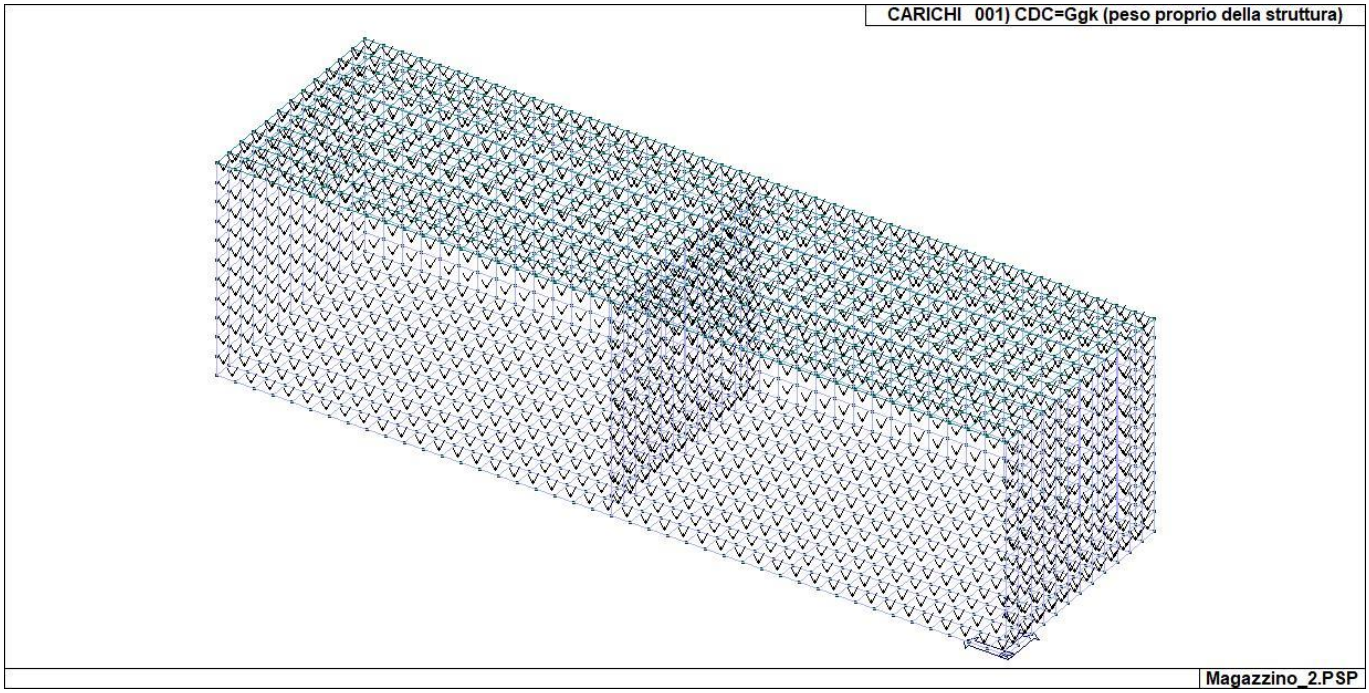
Il programma consente l'applicazione di diverse tipologie di casi di carico.
Sono previsti i seguenti 11 tipi di casi di carico:

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

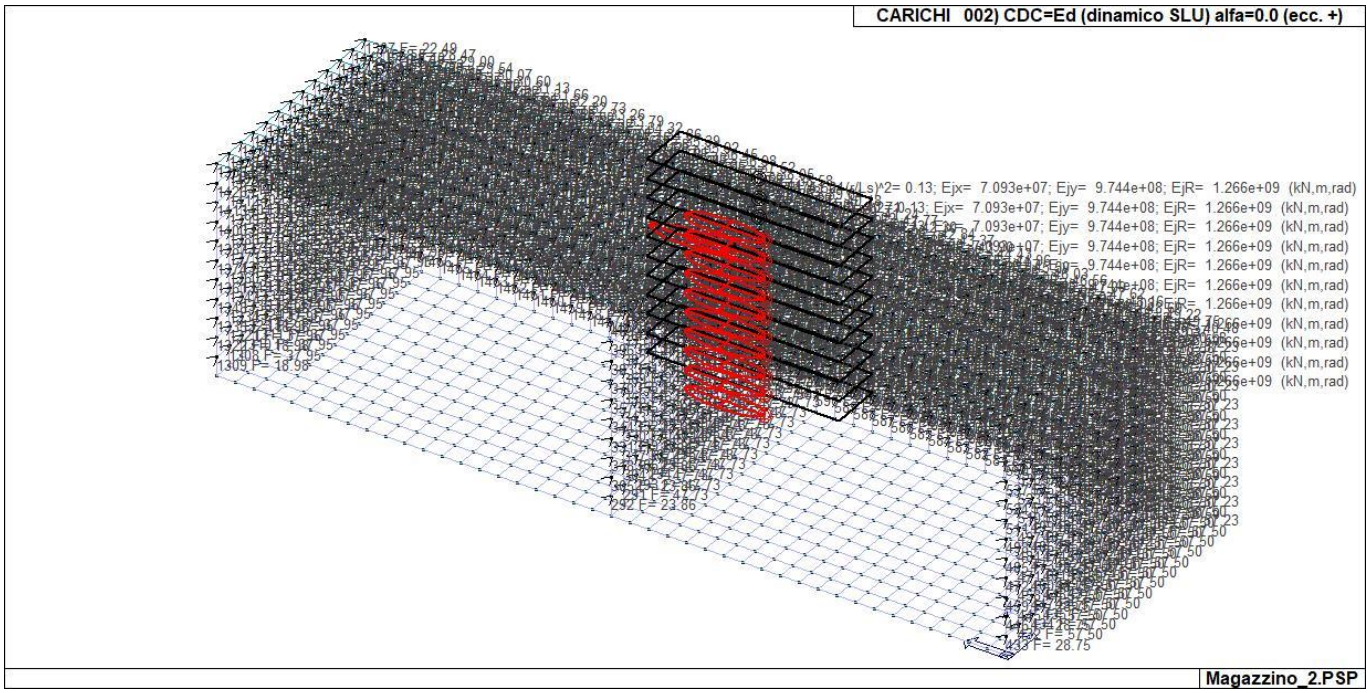
Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-

Qsk; 6-Qnk.
Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.
Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.
Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).
In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.
Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

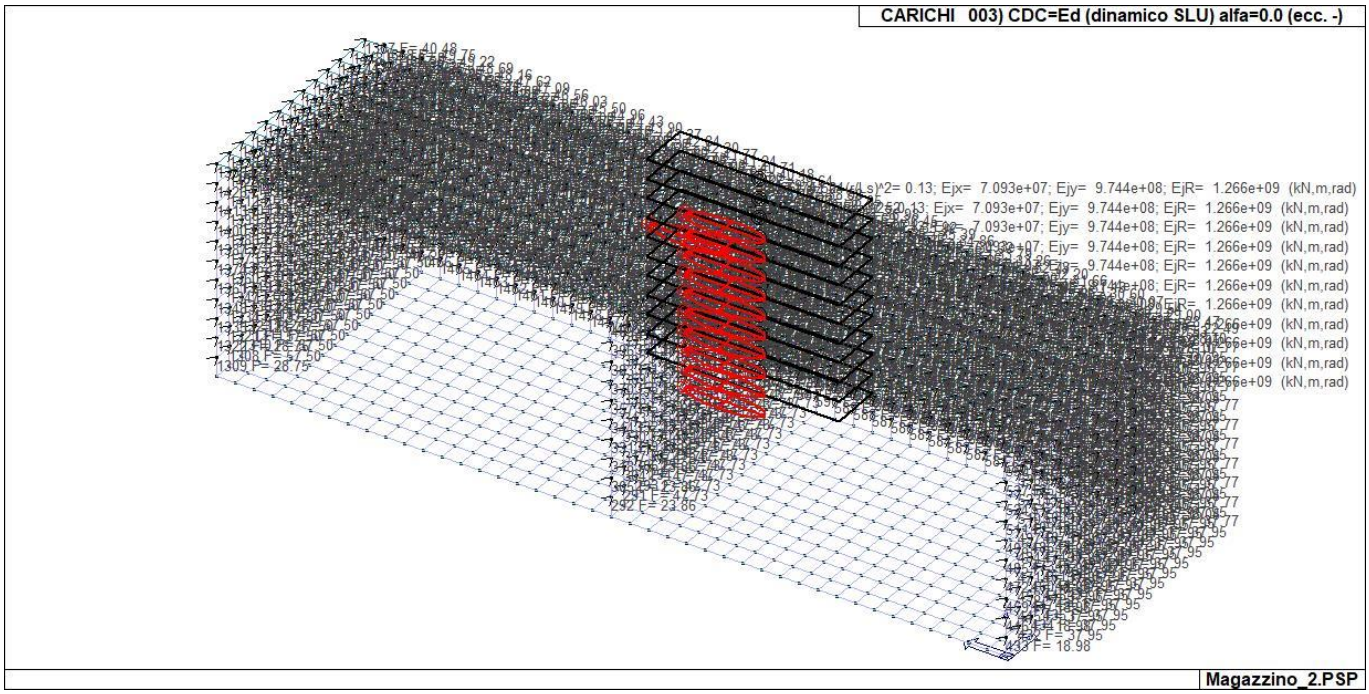
CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 10 CDC=G1k (permanente generico) .....
			partecipazione:0.80 per 11 CDC=Qk (variabile generico) .....
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	Gk	CDC=G1k (permanente generico)	Azioni applicate:
			D3 :da 748 a 999 Azione : P3:p=-2.500e-02
			D3 :da 1615 a 1866 Azione : P3:p=-2.500e-02
11	Qk	CDC=Qk (variabile generico)	Azioni applicate:
			D3 :da 1 a 252 Azione : P3:p=-2.000e-02
			D3 :da 748 a 999 Azione : P3:p=-5.000e-02
			D3 :da 1000 a 1251 Azione : P3:p=-2.000e-02
			D3 :da 1615 a 1866 Azione : P3:p=-5.000e-02



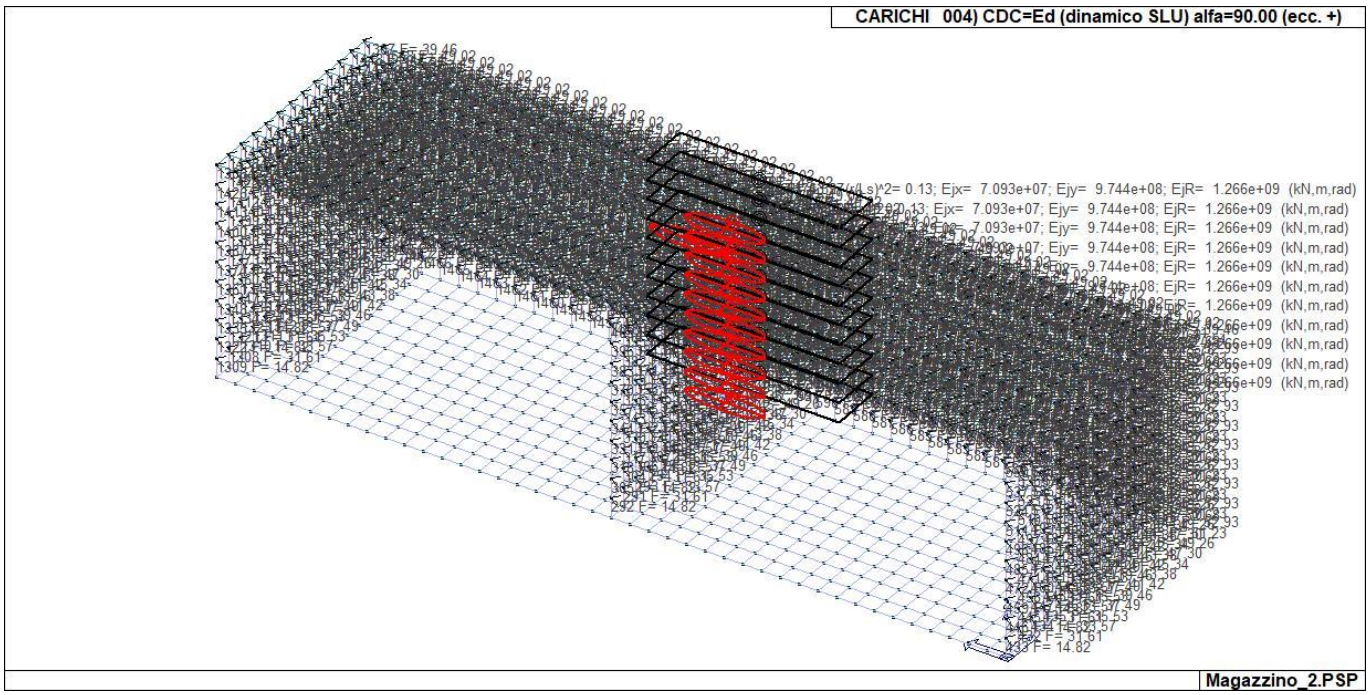
CDC_001_CDC=Ggk (peso proprio della struttura)



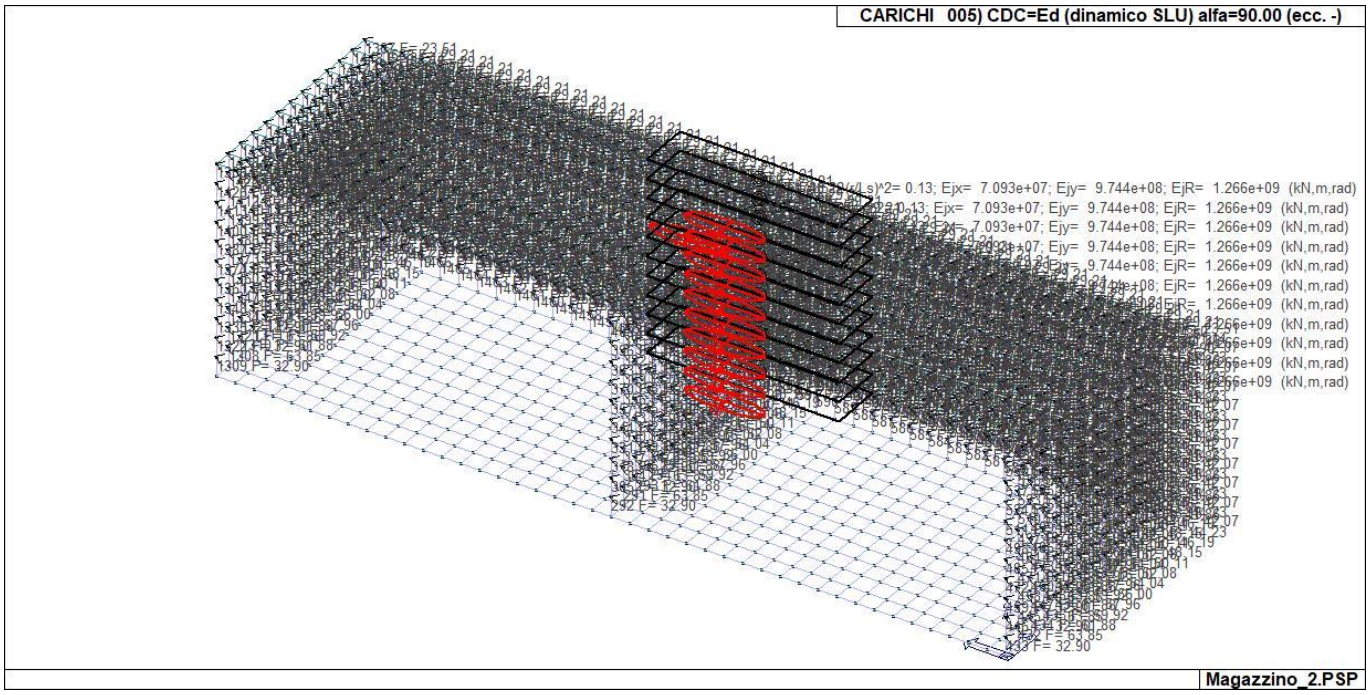
CDC_002_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)



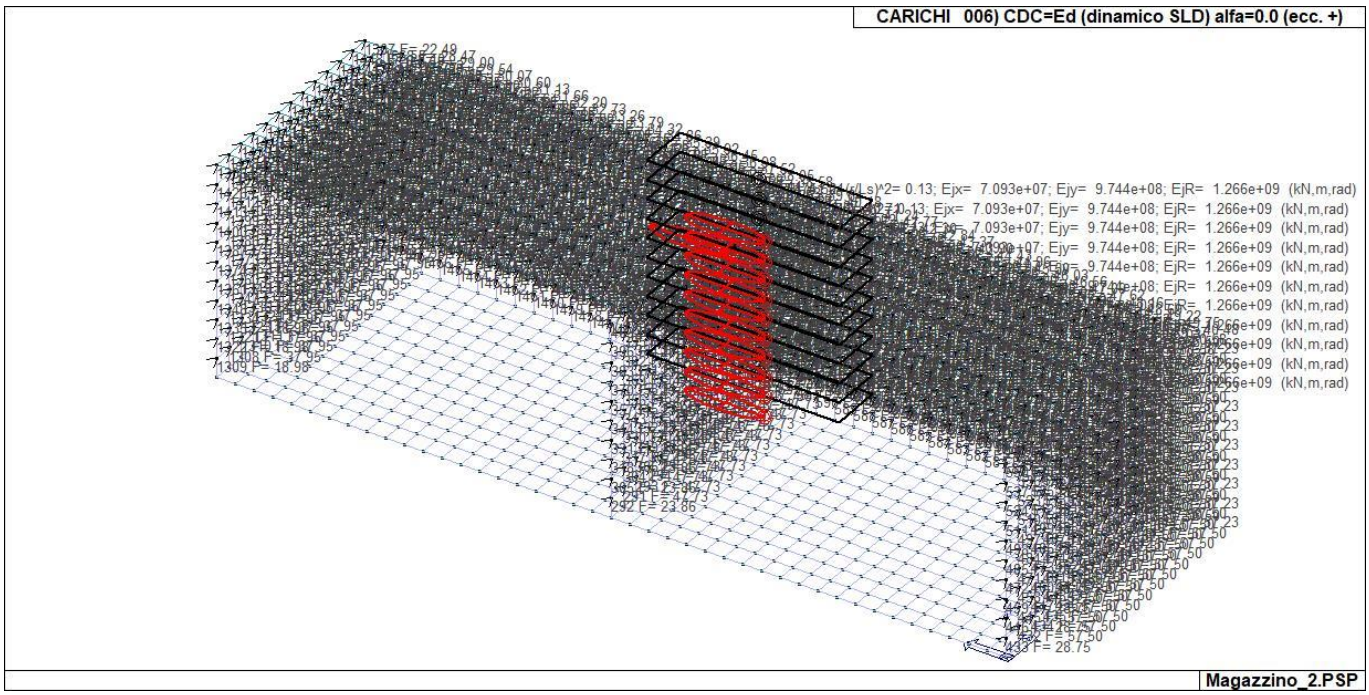
CDC_003_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)



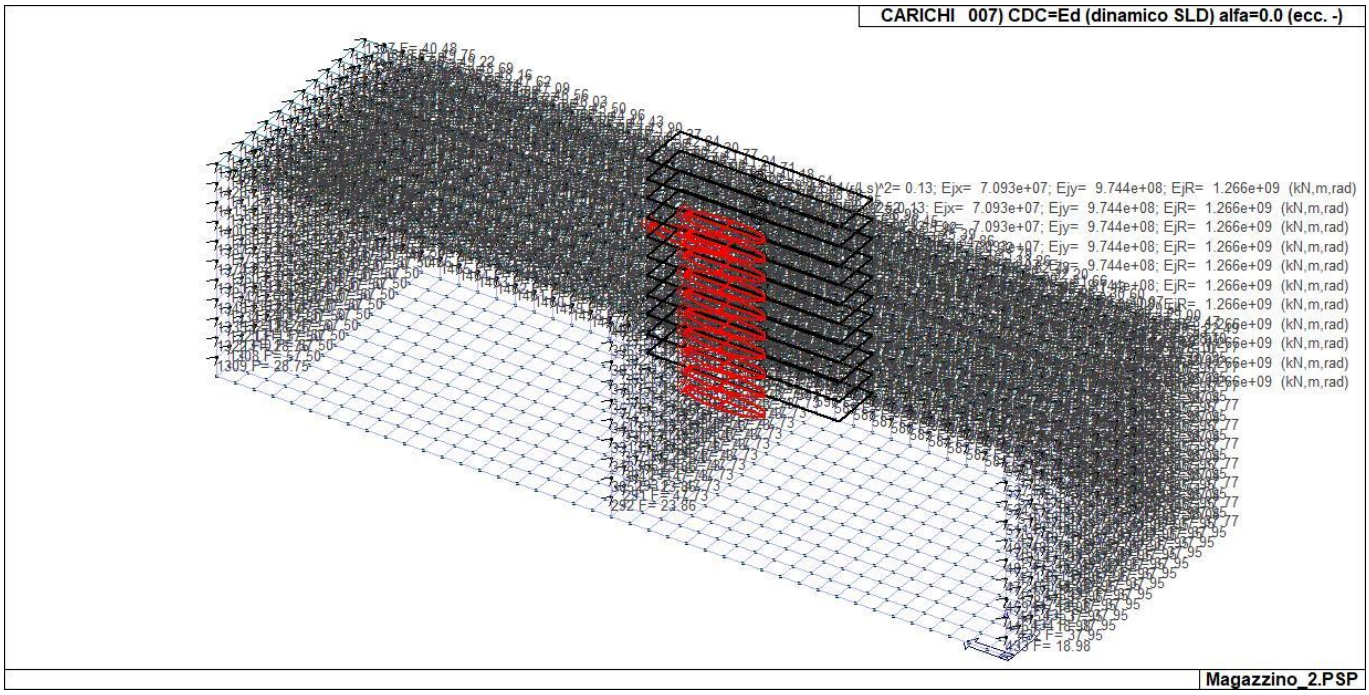
CDC_004_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)



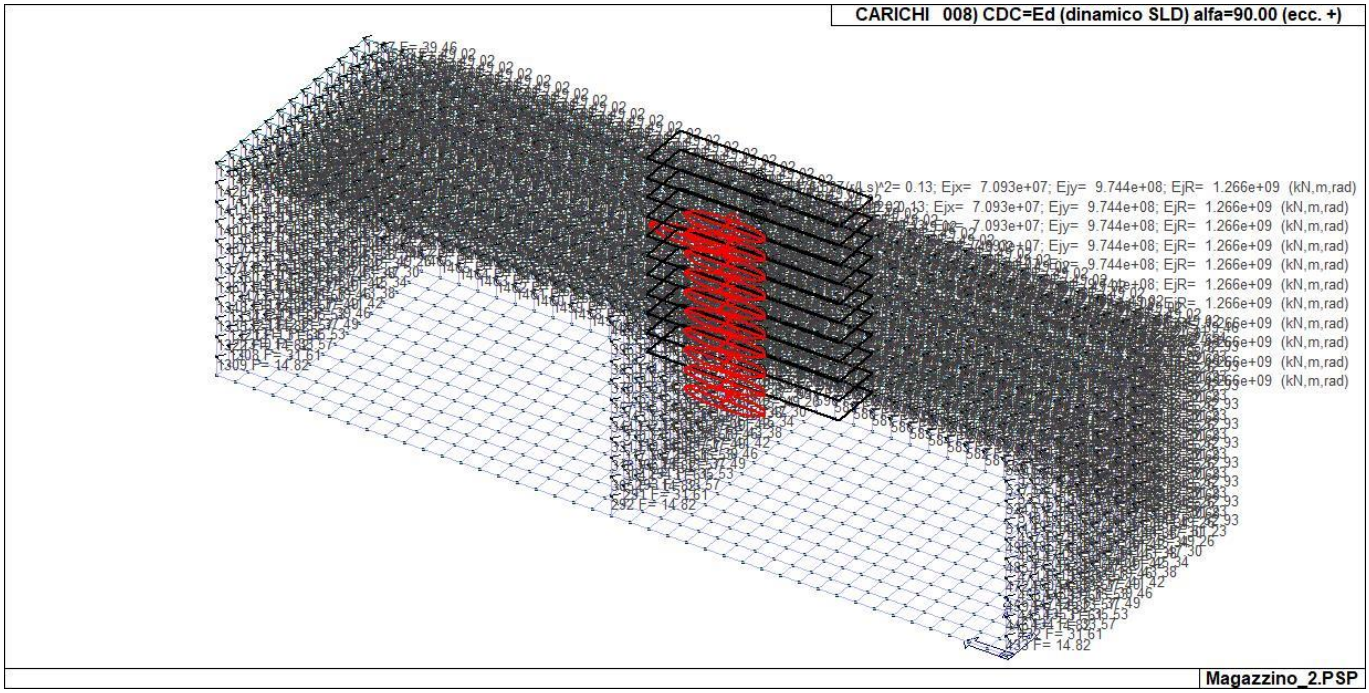
CDC_005_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)



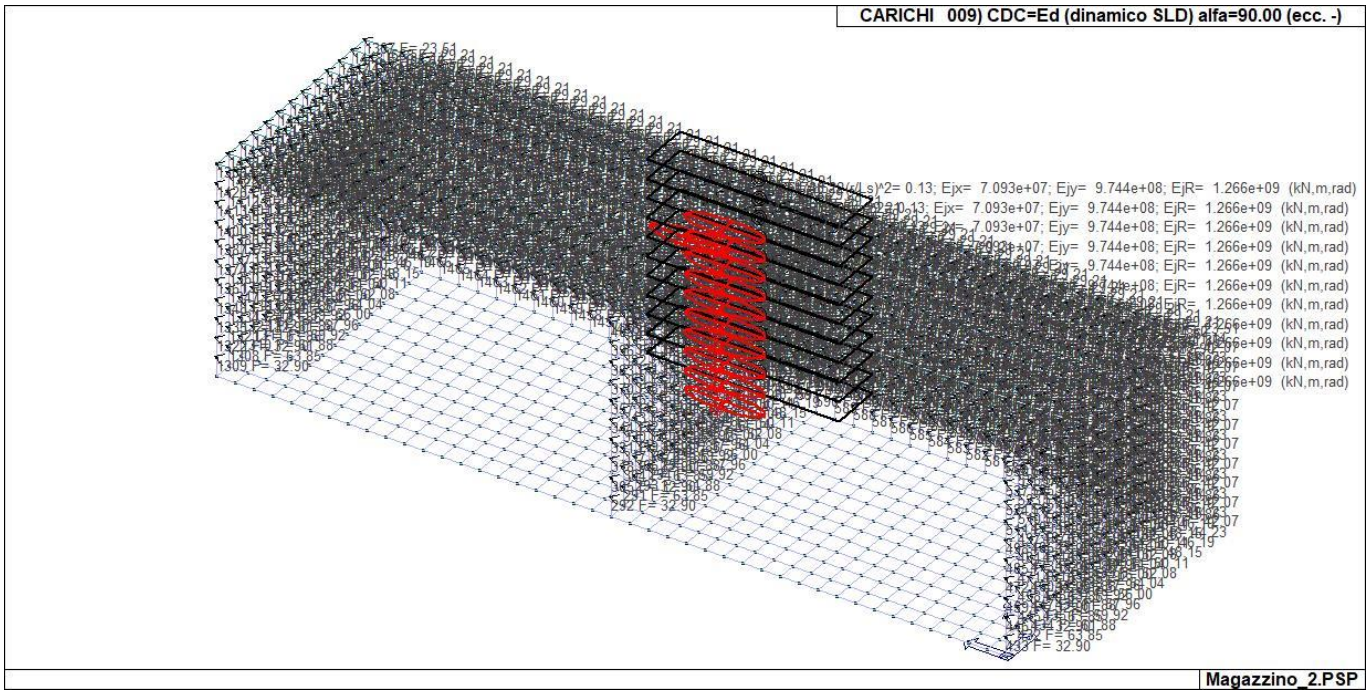
CDC_006_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)



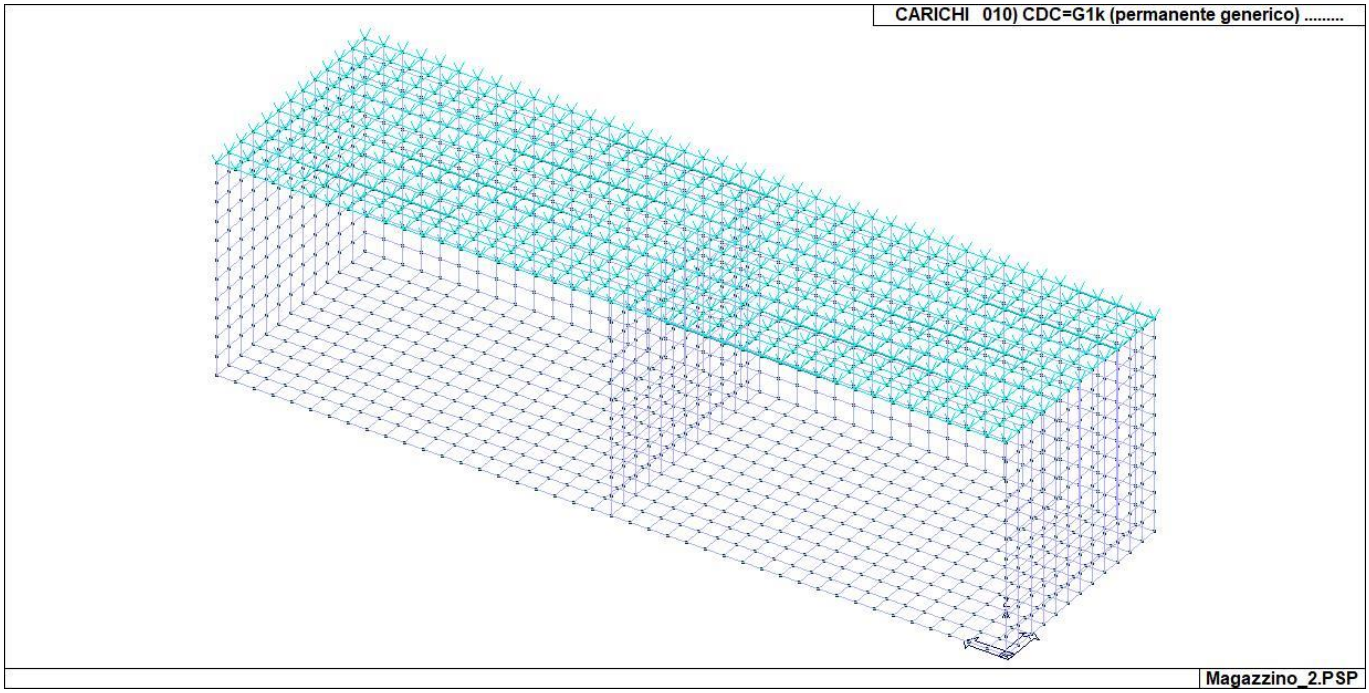
CDC_007_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)



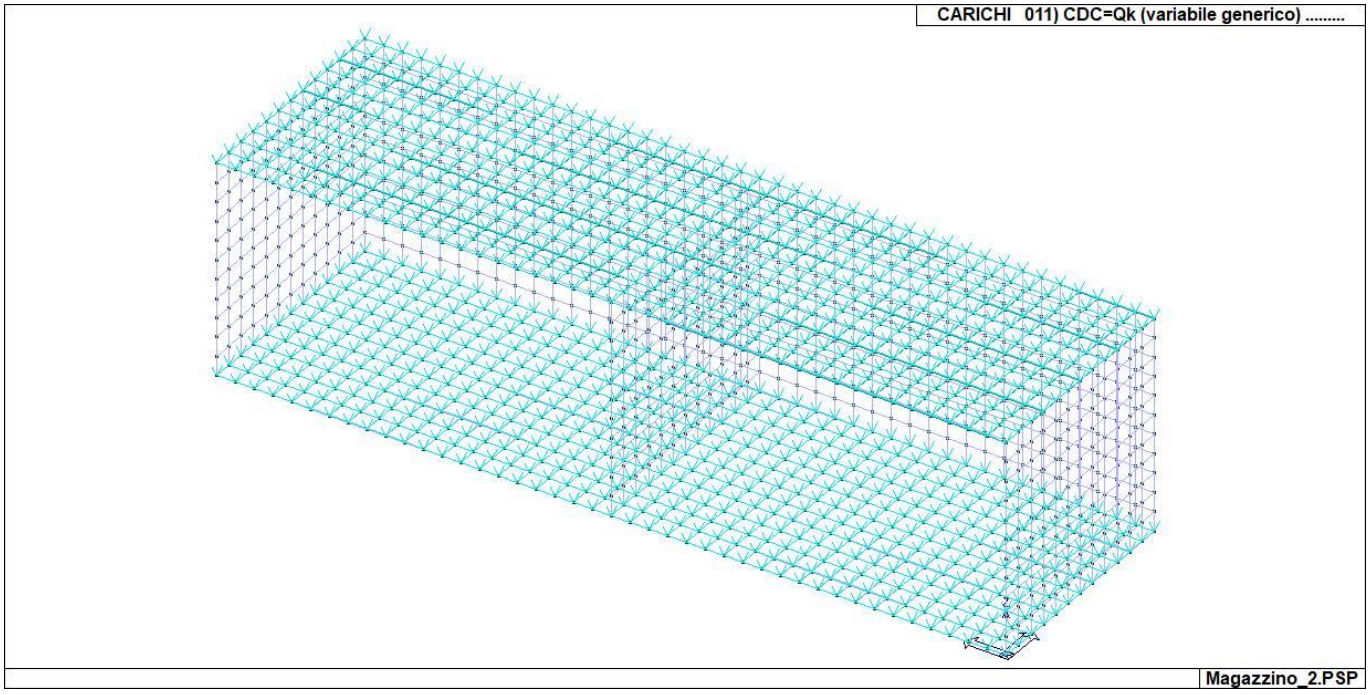
CDC_008_CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)



CDC_009_CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)



CDC_010_CDC=G1k (permanente generico) .....



CDC_011_CDC=Qk (variabile generico) .....

09.8 Definizione delle combinazioni

09.8.1 Legenda tabella combinazioni di carico

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

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

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:
Combinazione fondamentale SLU
$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$
Combinazione caratteristica (rara) SLE
$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$
Combinazione frequente SLE
$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$
Combinazione quasi permanente SLE
$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$
Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E
$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$
Combinazione eccezionale, impiegata per gli stati limite connessi alle azioni eccezionali
$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Dove:
NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	$\psi 0$	$\psi 1$	$\psi 2$
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,…	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota <= 1000 m	0,50	0,20	0,00
Neve a quota > 1000 m	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

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

NTC 2018 Tabella 2.6.I

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

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 (SLV sism.) 5	
6	SLU	Comb. SLU A1 (SLV sism.) 6	
7	SLU	Comb. SLU A1 (SLV sism.) 7	

Cmb	Tipo	Sigla Id	effetto P-delta
8	SLU	Comb. SLU A1 (SLV sism.) 8	
9	SLU	Comb. SLU A1 (SLV sism.) 9	
10	SLU	Comb. SLU A1 (SLV sism.) 10	
11	SLU	Comb. SLU A1 (SLV sism.) 11	
12	SLU	Comb. SLU A1 (SLV sism.) 12	
13	SLU	Comb. SLU A1 (SLV sism.) 13	
14	SLU	Comb. SLU A1 (SLV sism.) 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLE(sis)	Comb. SLE (SLD Danno sism.) 37	
38	SLE(sis)	Comb. SLE (SLD Danno sism.) 38	
39	SLE(sis)	Comb. SLE (SLD Danno sism.) 39	
40	SLE(sis)	Comb. SLE (SLD Danno sism.) 40	
41	SLE(sis)	Comb. SLE (SLD Danno sism.) 41	
42	SLE(sis)	Comb. SLE (SLD Danno sism.) 42	
43	SLE(sis)	Comb. SLE (SLD Danno sism.) 43	
44	SLE(sis)	Comb. SLE (SLD Danno sism.) 44	
45	SLE(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLE(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLE(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLE(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLE(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLE(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLE(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLE(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLE(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLE(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLE(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLE(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLE(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLE(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLE(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLE(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLE(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLE(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLE(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLE(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLE(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLE(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLE(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLE(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLE(r)	Comb. SLE(rara) 69	
70	SLE(r)	Comb. SLE(rara) 70	
71	SLE(f)	Comb. SLE(freq.) 71	
72	SLE(f)	Comb. SLE(freq.) 72	
73	SLE(p)	Comb. SLE(perm.) 73	
74	SLE(p)	Comb. SLE(perm.) 74	

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...
1	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0
2	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50
3	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
4	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50

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...
5	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
6	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
7	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
8	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
9	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
10	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
11	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
12	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
13	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
14	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
15	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
16	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
17	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
18	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
19	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
20	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
21	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
22	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
23	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
24	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
25	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
26	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
27	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
28	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
29	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
30	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
31	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
32	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
33	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
34	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
35	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
36	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
37	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00	0.80
38	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	1.00	0.80
39	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	1.00	0.80
40	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	1.00	0.80
41	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	1.00	0.80
42	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	1.00	0.80
43	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	1.00	0.80
44	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	1.00	0.80
45	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	1.00	0.80
46	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	1.00	0.80
47	1.00	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	1.00	0.80
48	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	1.00	0.80
49	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	1.00	0.80
50	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	1.00	0.80
51	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	1.00	0.80
52	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	1.00	0.80
53	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00	0.80
54	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	1.00	0.80
55	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	1.00	0.80
56	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	1.00	0.80
57	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	1.00	0.80
58	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	1.00	0.80
59	1.00	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	1.00	0.80
60	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	1.00	0.80
61	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	1.00	0.80
62	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	1.00	0.80
63	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	1.00	0.80
64	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	1.00	0.80
65	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	1.00	0.80
66	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	1.00	0.80
67	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	1.00	0.80
68	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	1.00	0.80
69	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
70	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
71	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
72	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90
73	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
74	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80

09.09 Azione sismica

09.09.1 Valutazione dell'azione sismica

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

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

Parametri della struttura					
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
II	50.0	1.0	50.0	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.
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:

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

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

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

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

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

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

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	8.806	44.423	
16916	8.802	44.392	3.498
16917	8.872	44.395	6.102
16695	8.868	44.445	5.458
16694	8.799	44.442	2.131

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.1	0.022	2.554	0.180
SLD	63.0	50.3	0.028	2.525	0.200
SLV	10.0	474.6	0.063	2.554	0.290
SLC	5.0	974.8	0.079	2.569	0.302

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.022	1.200	2.554	0.507	0.093	0.279	1.686
SLD	0.028	1.200	2.525	0.570	0.101	0.304	1.712
SLV	0.063	1.200	2.554	0.863	0.136	0.409	1.850
SLC	0.079	1.200	2.569	0.977	0.141	0.422	1.917

09.10 Risultati analisi sismiche

09.10.1 Legenda tabella analisi sismiche

Il programma consente l'analisi di diverse configurazioni sismiche.

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

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).
Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l' azione sismica: in particolare possono essere presenti i seguenti valori:

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

Nel caso di elementi progettati in campo non dissipativo vengono adottate le sollecitazioni calcolate con un fattore qND ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura: 1<qND=2/3*q < 1.5
Il coefficiente di amplificazione delle azioni sismiche rispetto alle azioni calcolate con il fattore di comportamento globale viene indicato nelle relative tabelle.
Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

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

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

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).
Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione etaT, etaP e etaD degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità 1000*etaT/h da confrontare direttamente con il valore 2 o 4 per la verifica.
Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica

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

Affinché la verifica sia positiva deve essere:

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

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) = 0.085 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.134 sec.
			fattore q: 2.250
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 4.815
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.745e+04	158.53	520.00	0.0	-52.00	299.89	520.00	0.133	1.240	0.0
254.55	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
229.09	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
203.64	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
178.18	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
152.73	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
127.27	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
101.82	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
76.36	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
50.91	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
25.45	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
Risulta	5.449e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	7.461	0.134	0.085	4.181e+04	76.7	95.58	0.2	802.73	1.5	0.0	0.0
2	9.040	0.111	0.083	3395.33	6.2	5858.12	10.8	200.81	0.4	0.0	0.0
3	10.103	0.099	0.083	108.79	0.2	4.373e+04	80.3	18.53	3.40e-02	0.0	0.0
4	20.260	0.049	0.079	21.20	3.89e-02	3134.58	5.8	208.59	0.4	0.0	0.0
5	20.590	0.049	0.079	4190.18	7.7	1.28	2.35e-03	4.273e+04	78.4	0.0	0.0
6	24.035	0.042	0.078	4678.67	8.6	39.79	7.30e-02	7730.19	14.2	0.0	0.0
7	28.242	0.035	0.078	64.24	0.1	1538.72	2.8	1.39	2.54e-03	0.0	0.0
8	37.430	0.027	0.077	0.19	3.46e-04	77.47	0.1	16.78	3.08e-02	0.0	0.0
9	41.621	0.024	0.077	82.09	0.2	1.86	3.42e-03	953.54	1.8	0.0	0.0
Risulta				5.435e+04		5.448e+04		5.266e+04			
In percentuale				99.75		99.99		96.64			

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) = 0.085 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.134 sec.
			fattore q: 2.250
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 4.815
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.745e+04	158.53	520.00	0.0	52.00	299.89	520.00	0.133	1.240	0.0
254.55	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
229.09	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
203.64	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
178.18	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
152.73	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
127.27	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
101.82	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
76.36	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
50.91	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
25.45	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
Risulta	5.449e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	7.461	0.134	0.085	4.181e+04	76.7	95.58	0.2	802.73	1.5	0.0	0.0
2	9.040	0.111	0.083	3395.33	6.2	5858.12	10.8	200.81	0.4	0.0	0.0
3	10.103	0.099	0.083	108.79	0.2	4.373e+04	80.3	18.53	3.40e-02	0.0	0.0
4	20.260	0.049	0.079	21.20	3.89e-02	3134.58	5.8	208.60	0.4	0.0	0.0
5	20.590	0.049	0.079	4190.17	7.7	1.28	2.35e-03	4.273e+04	78.4	0.0	0.0
6	24.035	0.042	0.078	4678.67	8.6	39.79	7.30e-02	7730.19	14.2	0.0	0.0
7	28.242	0.035	0.078	64.24	0.1	1538.72	2.8	1.39	2.54e-03	0.0	0.0
8	37.430	0.027	0.077	0.19	3.46e-04	77.47	0.1	16.78	3.08e-02	0.0	0.0
9	41.621	0.024	0.077	82.09	0.2	1.86	3.42e-03	953.54	1.8	0.0	0.0
Risulta				5.435e+04		5.448e+04		5.266e+04			
In percentuale				99.75		99.99		96.64			

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) = 0.085 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.100 sec.
			fattore q: 2.250
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 6.105
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.745e+04	158.53	520.00	15.00	0.0	299.89	520.00	0.133	1.240	0.0
254.55	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
229.09	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
203.64	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
178.18	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
152.73	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
127.27	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
101.82	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
76.36	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0

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
50.91	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
25.45	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
Risulta	5.449e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	7.625	0.131	0.085	4.533e+04	83.2	0.0	0.0	980.75	1.8	0.0	0.0
2	8.903	0.112	0.084	0.0	0.0	960.97	1.8	0.0	0.0	0.0	0.0
3	9.986	0.100	0.083	0.0	0.0	4.879e+04	89.5	0.0	0.0	0.0	0.0
4	20.268	0.049	0.079	0.0	0.0	3063.70	5.6	0.0	0.0	0.0	0.0
5	20.579	0.049	0.079	4217.82	7.7	0.0	0.0	4.300e+04	78.9	0.0	0.0
6	24.085	0.042	0.078	4728.56	8.7	0.0	0.0	7731.69	14.2	0.0	0.0
7	28.498	0.035	0.078	0.0	0.0	1572.73	2.9	0.0	0.0	0.0	0.0
8	37.616	0.027	0.077	0.0	0.0	94.75	0.2	0.0	0.0	0.0	0.0
9	41.553	0.024	0.077	81.11	0.1	0.0	0.0	971.40	1.8	0.0	0.0
Risulta				5.436e+04		5.448e+04		5.269e+04			
In percentuale				99.76		99.99		96.69			

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) = 0.085 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.098 sec.
			fattore q: 2.250
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 6.223
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.745e+04	158.53	520.00	-15.00	0.0	299.89	520.00	0.133	1.240	0.0
254.55	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
229.09	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
203.64	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
178.18	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
152.73	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
127.27	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
101.82	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
76.36	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
50.91	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
25.45	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
Risulta	5.449e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	7.625	0.131	0.085	4.533e+04	83.2	0.0	0.0	980.49	1.8	0.0	0.0
2	8.655	0.116	0.084	0.0	0.0	7747.16	14.2	0.0	0.0	0.0	0.0
3	10.216	0.098	0.082	0.0	0.0	4.188e+04	76.9	0.0	0.0	0.0	0.0
4	20.253	0.049	0.079	0.0	0.0	3201.10	5.9	0.0	0.0	0.0	0.0
5	20.576	0.049	0.079	4196.07	7.7	0.0	0.0	4.306e+04	79.0	0.0	0.0
6	24.062	0.042	0.078	4749.34	8.7	0.0	0.0	7606.51	14.0	0.0	0.0
7	27.826	0.036	0.078	0.0	0.0	1585.66	2.9	0.0	0.0	0.0	0.0
8	37.262	0.027	0.077	0.0	0.0	63.84	0.1	0.0	0.0	0.0	0.0
9	41.564	0.024	0.077	82.37	0.2	0.0	0.0	987.20	1.8	0.0	0.0
Risulta				5.436e+04		5.448e+04		5.263e+04			
In percentuale				99.76		99.98		96.60			

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) = 0.085 g
			angolo di ingresso:0.0

CDC	Tipo	Sigla Id	Note
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.134 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.745e+04	158.53	520.00	0.0	-52.00	299.89	520.00	0.133	1.240	0.0
254.55	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
229.09	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
203.64	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
178.18	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
152.73	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
127.27	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
101.82	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
76.36	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
50.91	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
25.45	3703.64	230.41	520.00	0.0	-52.00	299.89	520.00	0.133	0.610	0.0
Risulta	5.449e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	7.461	0.134	0.085	4.181e+04	76.7	95.58	0.2	802.73	1.5	0.0	0.0
2	9.040	0.111	0.085	3395.33	6.2	5858.12	10.8	200.81	0.4	0.0	0.0
3	10.103	0.099	0.084	108.79	0.2	4.373e+04	80.3	18.53	3.40e-02	0.0	0.0
4	20.260	0.049	0.059	21.20	3.89e-02	3134.58	5.8	208.59	0.4	0.0	0.0
5	20.590	0.049	0.058	4190.18	7.7	1.28	2.35e-03	4.273e+04	78.4	0.0	0.0
6	24.035	0.042	0.055	4678.67	8.6	39.79	7.30e-02	7730.19	14.2	0.0	0.0
7	28.242	0.035	0.052	64.24	0.1	1538.72	2.8	1.39	2.54e-03	0.0	0.0
8	37.430	0.027	0.047	0.19	3.46e-04	77.47	0.1	16.78	3.08e-02	0.0	0.0
9	41.621	0.024	0.046	82.09	0.2	1.86	3.42e-03	953.54	1.8	0.0	0.0
Risulta				5.435e+04		5.448e+04		5.266e+04			
In percentuale				99.75		99.99		96.64			

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) = 0.085 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.134 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.745e+04	158.53	520.00	0.0	52.00	299.89	520.00	0.133	1.240	0.0
254.55	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
229.09	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
203.64	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
178.18	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
152.73	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
127.27	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
101.82	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
76.36	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
50.91	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
25.45	3703.64	230.41	520.00	0.0	52.00	299.89	520.00	0.133	0.610	0.0
Risulta	5.449e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	7.461	0.134	0.085	4.181e+04	76.7	95.58	0.2	802.73	1.5	0.0	0.0
2	9.040	0.111	0.085	3395.33	6.2	5858.12	10.8	200.81	0.4	0.0	0.0
3	10.103	0.099	0.084	108.79	0.2	4.373e+04	80.3	18.53	3.40e-02	0.0	0.0
4	20.260	0.049	0.059	21.20	3.89e-02	3134.58	5.8	208.60	0.4	0.0	0.0
5	20.590	0.049	0.058	4190.17	7.7	1.28	2.35e-03	4.273e+04	78.4	0.0	0.0

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Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
6	24.035	0.042	0.055	4678.67	8.6	39.79	7.30e-02	7730.19	14.2	0.0	0.0
7	28.242	0.035	0.052	64.24	0.1	1538.72	2.8	1.39	2.54e-03	0.0	0.0
8	37.430	0.027	0.047	0.19	3.46e-04	77.47	0.1	16.78	3.08e-02	0.0	0.0
9	41.621	0.024	0.046	82.09	0.2	1.86	3.42e-03	953.54	1.8	0.0	0.0
Risulta				5.435e+04		5.448e+04		5.266e+04			
In percentuale				99.75		99.99		96.64			

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) = 0.085 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.100 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.745e+04	158.53	520.00	15.00	0.0	299.89	520.00	0.133	1.240	0.0
254.55	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
229.09	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
203.64	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
178.18	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
152.73	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
127.27	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
101.82	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
76.36	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
50.91	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
25.45	3703.64	230.41	520.00	15.00	0.0	299.89	520.00	0.133	0.610	0.0
Risulta	5.449e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	7.625	0.131	0.085	4.533e+04	83.2	0.0	0.0	980.75	1.8	0.0	0.0
2	8.903	0.112	0.085	0.0	0.0	960.97	1.8	0.0	0.0	0.0	0.0
3	9.986	0.100	0.084	0.0	0.0	4.879e+04	89.5	0.0	0.0	0.0	0.0
4	20.268	0.049	0.059	0.0	0.0	3063.70	5.6	0.0	0.0	0.0	0.0
5	20.579	0.049	0.058	4217.82	7.7	0.0	0.0	4.300e+04	78.9	0.0	0.0
6	24.085	0.042	0.055	4728.56	8.7	0.0	0.0	7731.69	14.2	0.0	0.0
7	28.498	0.035	0.051	0.0	0.0	1572.73	2.9	0.0	0.0	0.0	0.0
8	37.616	0.027	0.047	0.0	0.0	94.75	0.2	0.0	0.0	0.0	0.0
9	41.553	0.024	0.046	81.11	0.1	0.0	0.0	971.40	1.8	0.0	0.0
Risulta				5.436e+04		5.448e+04		5.269e+04			
In percentuale				99.76		99.99		96.69			

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) = 0.085 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.098 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.745e+04	158.53	520.00	-15.00	0.0	299.89	520.00	0.133	1.240	0.0
254.55	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
229.09	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
203.64	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
178.18	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
152.73	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
127.27	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0

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
101.82	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
76.36	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
50.91	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
25.45	3703.64	230.41	520.00	-15.00	0.0	299.89	520.00	0.133	0.610	0.0
Risulta	5.449e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	7.625	0.131	0.085	4.533e+04	83.2	0.0	0.0	980.49	1.8	0.0	0.0
2	8.655	0.116	0.085	0.0	0.0	7747.16	14.2	0.0	0.0	0.0	0.0
3	10.216	0.098	0.083	0.0	0.0	4.188e+04	76.9	0.0	0.0	0.0	0.0
4	20.253	0.049	0.059	0.0	0.0	3201.10	5.9	0.0	0.0	0.0	0.0
5	20.576	0.049	0.058	4196.07	7.7	0.0	0.0	4.306e+04	79.0	0.0	0.0
6	24.062	0.042	0.055	4749.34	8.7	0.0	0.0	7606.51	14.0	0.0	0.0
7	27.826	0.036	0.052	0.0	0.0	1585.66	2.9	0.0	0.0	0.0	0.0
8	37.262	0.027	0.047	0.0	0.0	63.84	0.1	0.0	0.0	0.0	0.0
9	41.564	0.024	0.046	82.37	0.2	0.0	0.0	987.20	1.8	0.0	0.0
Risulta				5.436e+04		5.448e+04		5.263e+04			
In percentuale				99.76		99.98		96.60			

09.11 Risultati nodali

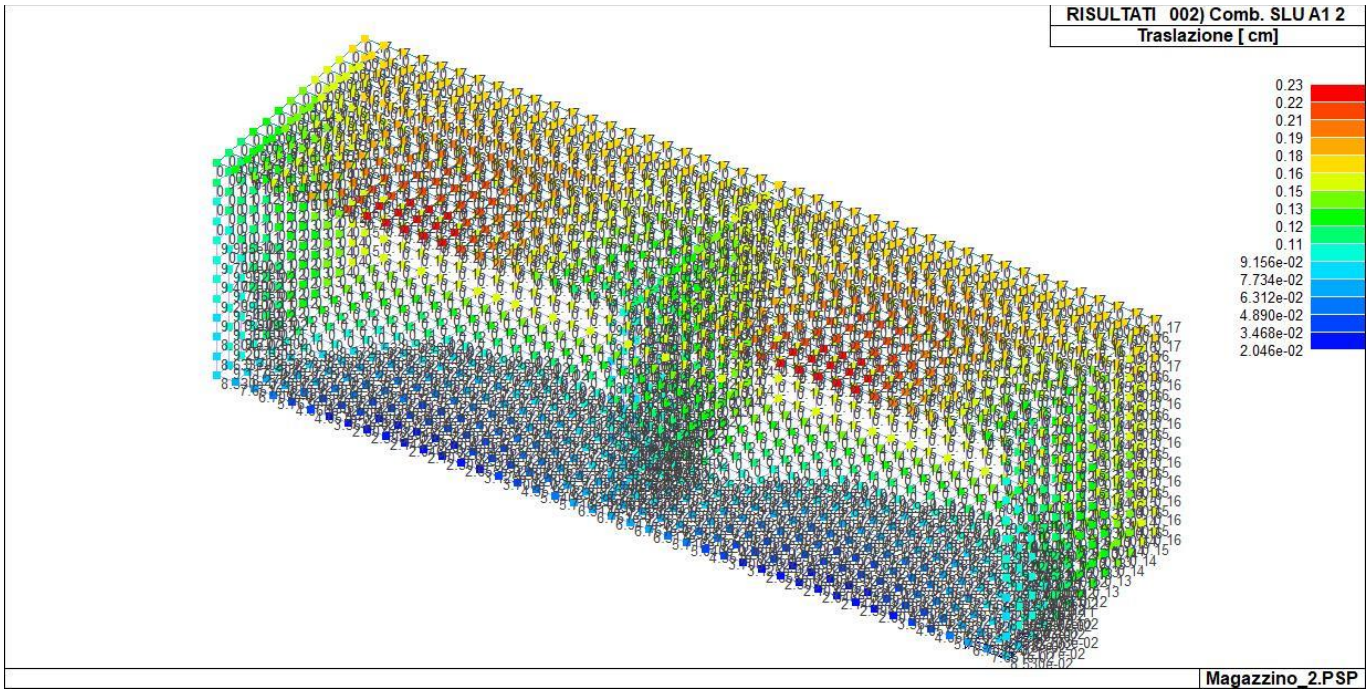
09.11.1 Legenda risultati nodali

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.
Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali. Per brevità non si riporteranno interamente i dati di questa tabella in questa relazione ritenendo esaustivi i dati ricavabili valori massimi e dale immagini, i tabulati completi saranno comunque a disposizione su richiesta.
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.

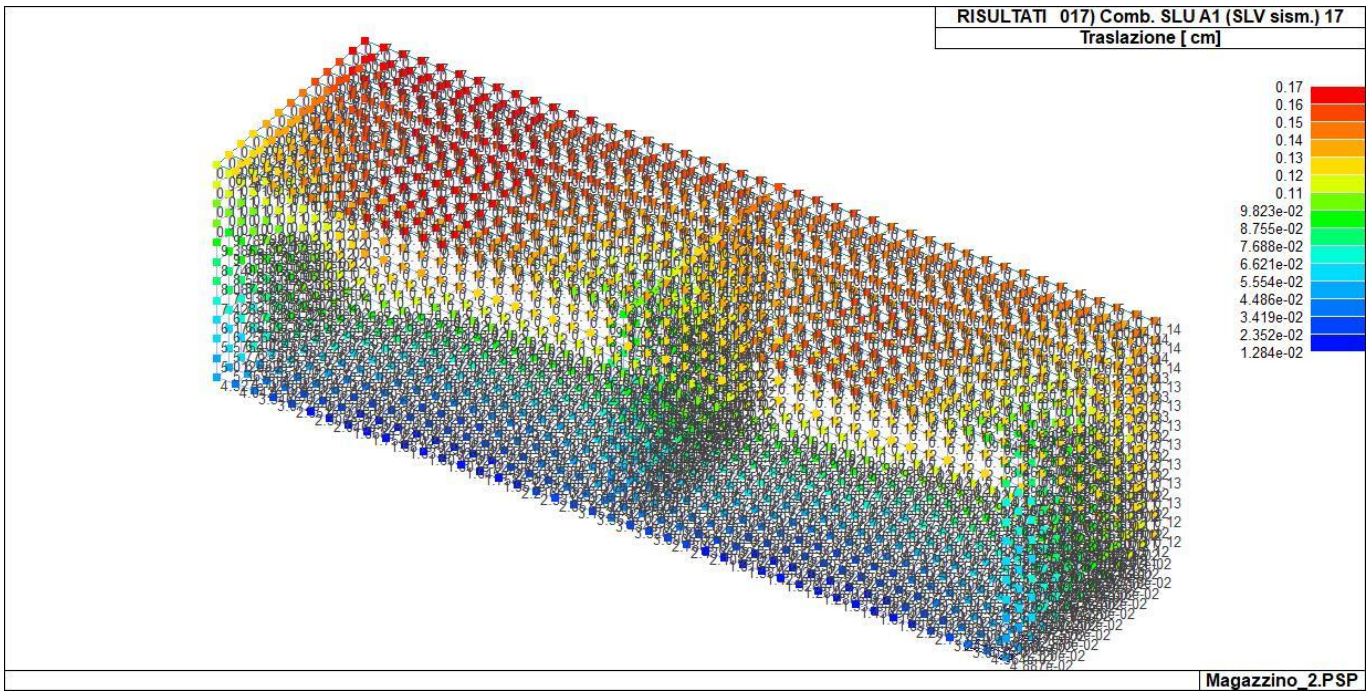
Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	2	2.62e-03	-1.80e-03	-0.09	3.11e-04	2.37e-04	4.03e-05
1	9	0.03	-2.47e-03	-0.04	1.84e-04	2.87e-04	5.51e-05
1	11	-0.02	5.74e-03	-0.08	2.28e-04	7.68e-05	1.70e-05
1	22	-5.09e-04	-0.01	-0.05	2.37e-04	2.52e-04	1.67e-05
1	41	0.03	-2.46e-03	-0.04	1.84e-04	2.87e-04	5.52e-05
1	43	-0.02	5.77e-03	-0.07	2.27e-04	7.72e-05	1.71e-05
1	54	-7.28e-04	-0.01	-0.05	2.37e-04	2.52e-04	1.64e-05
1	70	1.98e-03	-1.35e-03	-0.06	2.28e-04	1.86e-04	2.98e-05
1	72	1.96e-03	-1.32e-03	-0.06	2.21e-04	1.89e-04	2.90e-05
1	74	1.94e-03	-1.30e-03	-0.06	2.14e-04	1.91e-04	2.83e-05
2	2	-1.19e-03	0.0	-0.07	0.0	2.36e-04	0.0
2	15	-0.01	-6.29e-04	-0.06	2.71e-06	1.02e-04	2.48e-05
2	23	-4.42e-03	0.01	-0.05	-1.15e-05	1.65e-04	1.28e-05
2	47	-0.01	-5.79e-04	-0.06	2.67e-06	1.03e-04	2.49e-05
2	55	-4.39e-03	0.01	-0.05	-1.17e-05	1.65e-04	1.32e-05
2	70	-8.99e-04	0.0	-0.05	0.0	1.86e-04	0.0
2	72	-8.89e-04	0.0	-0.05	0.0	1.89e-04	0.0
2	74	-8.79e-04	0.0	-0.05	0.0	1.92e-04	0.0
….							
….							
1907	1	0.08	1.10e-03	-0.12	3.91e-05	2.41e-04	0.0
1907	2	0.07	1.08e-03	-0.15	7.48e-05	1.77e-04	0.0
1907	13	0.11	5.14e-03	-0.12	3.47e-05	2.68e-04	0.0
1907	17	0.11	4.53e-03	-0.12	3.52e-05	2.68e-04	0.0
1907	27	0.04	0.02	-0.11	3.35e-05	1.48e-04	0.0
1907	45	0.11	5.25e-03	-0.12	3.47e-05	2.67e-04	0.0
1907	49	0.11	4.57e-03	-0.12	3.52e-05	2.68e-04	0.0
1907	59	0.04	0.02	-0.11	3.32e-05	1.49e-04	0.0
1907	69	0.06	8.50e-04	-0.09	3.01e-05	1.86e-04	0.0
1907	70	0.05	8.32e-04	-0.11	5.39e-05	1.43e-04	0.0
1907	71	0.06	8.50e-04	-0.09	3.01e-05	1.86e-04	0.0
1907	72	0.05	8.34e-04	-0.11	5.15e-05	1.47e-04	0.0

1907	73	0.06	8.50e-04	-0.09	3.01e-05	1.86e-04	0.0
1907	74	0.05	8.36e-04	-0.11	4.91e-05	1.52e-04	0.0
1908	1	0.08	1.40e-03	-0.13	1.22e-05	2.47e-04	0.0
1908	2	0.07	1.40e-03	-0.15	2.91e-05	1.87e-04	0.0
1908	13	0.11	5.90e-03	-0.13	4.12e-06	2.74e-04	0.0
1908	17	0.11	5.32e-03	-0.13	4.60e-06	2.74e-04	0.0
1908	21	0.07	0.02	-0.12	1.87e-06	2.09e-04	0.0
1908	45	0.11	6.01e-03	-0.13	4.01e-06	2.73e-04	0.0
1908	49	0.11	5.36e-03	-0.13	4.56e-06	2.74e-04	0.0
1908	53	0.07	0.02	-0.12	1.56e-06	2.09e-04	0.0
1908	69	0.06	1.08e-03	-0.10	9.37e-06	1.90e-04	0.0
1908	70	0.05	1.08e-03	-0.11	2.07e-05	1.50e-04	0.0
1908	71	0.06	1.08e-03	-0.10	9.37e-06	1.90e-04	0.0
1908	72	0.05	1.08e-03	-0.11	1.95e-05	1.54e-04	0.0
1908	73	0.06	1.08e-03	-0.10	9.37e-06	1.90e-04	0.0
1908	74	0.05	1.08e-03	-0.11	1.84e-05	1.58e-04	0.0

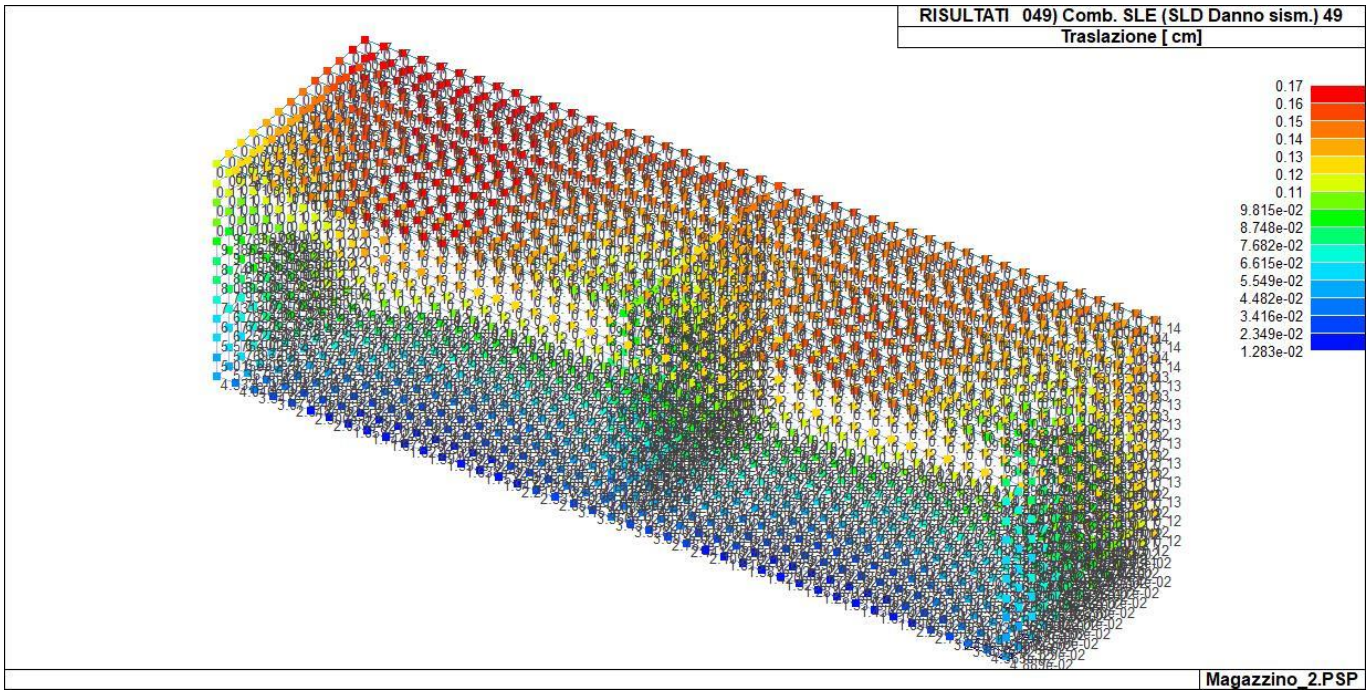
Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-0.02	-0.03	-0.22	-7.91e-04	-3.02e-04	-8.82e-05
	0.11	0.03	-4.10e-03	7.91e-04	5.25e-04	8.82e-05



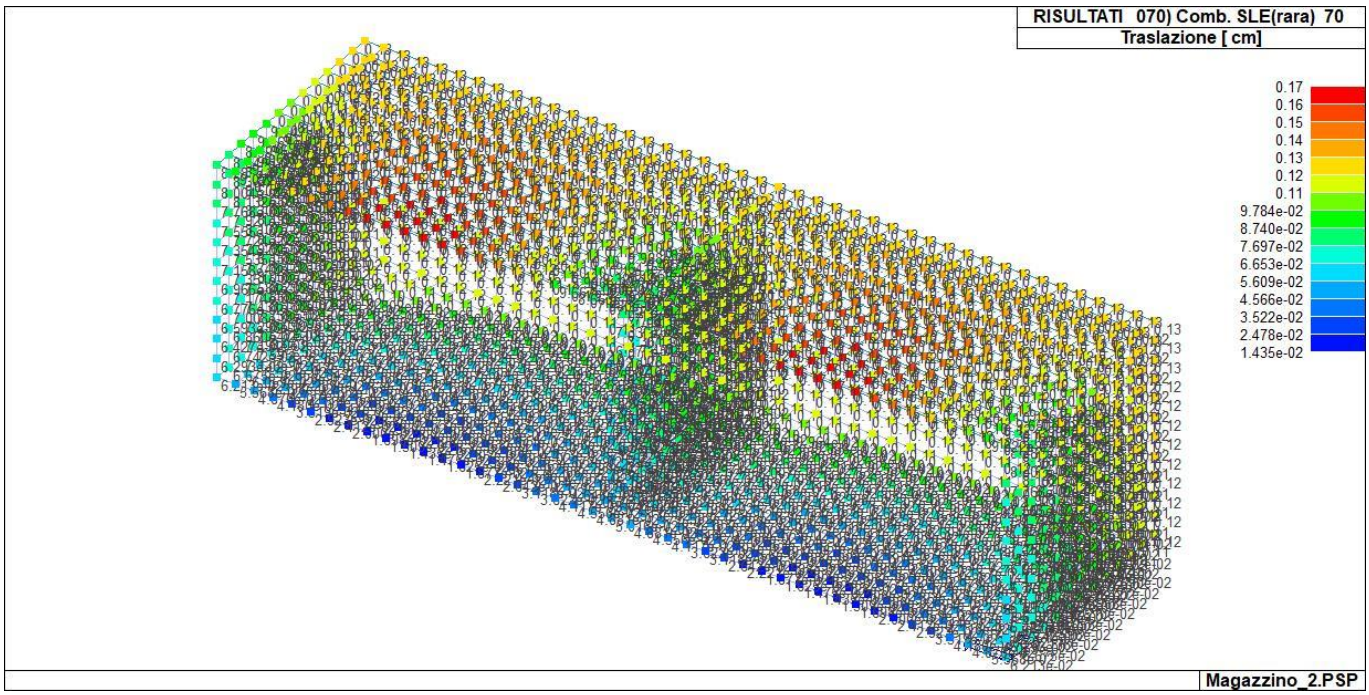
RIS_SPOSTAMENTI_002_Comb. SLU A1 2



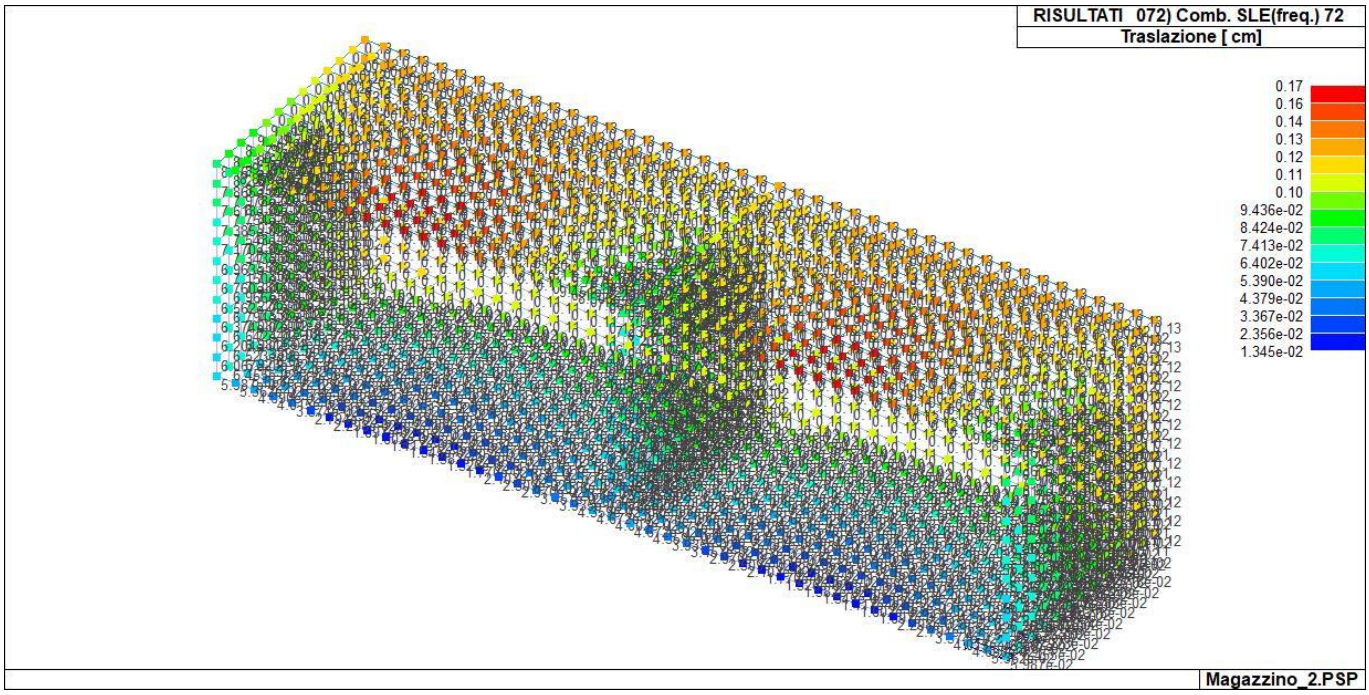
RIS_SPOSTAMENTI_017_Comb. SLU A1 (SLV sism.) 17



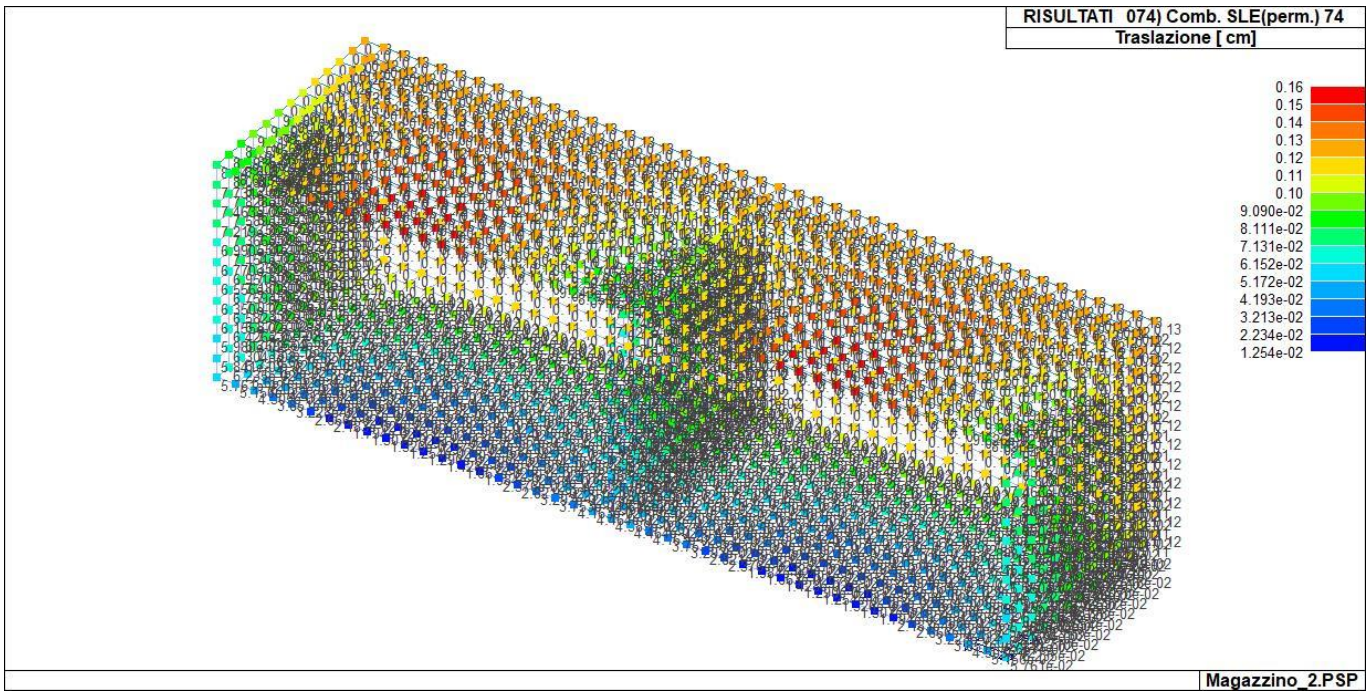
RIS_SPOSTAMENTI_049_Comb. SLE (SLD Danno sism.) 49



RIS_SPOSTAMENTI_070_Comb. SLE(rara) 70



RIS_SPOSTAMENTI_072_Comb. SLE(freq.) 72



RIS_SPOSTAMENTI_074_Comb. SLE(perm.) 74

09.12 Risultati opere di fondazione

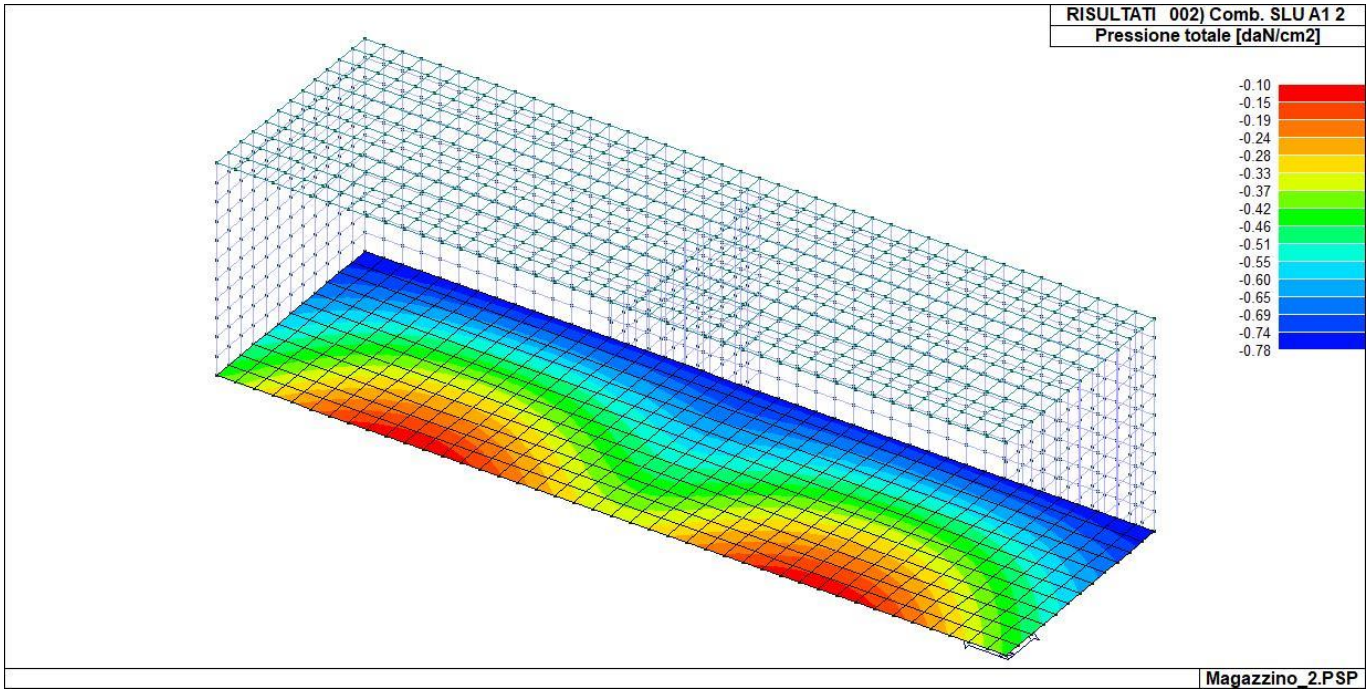
09.12.1 Legenda risultati opere di fondazione

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alla tabella sotto riportata che, per le fondazioni del tipo platea su suolo elasticoriporta le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

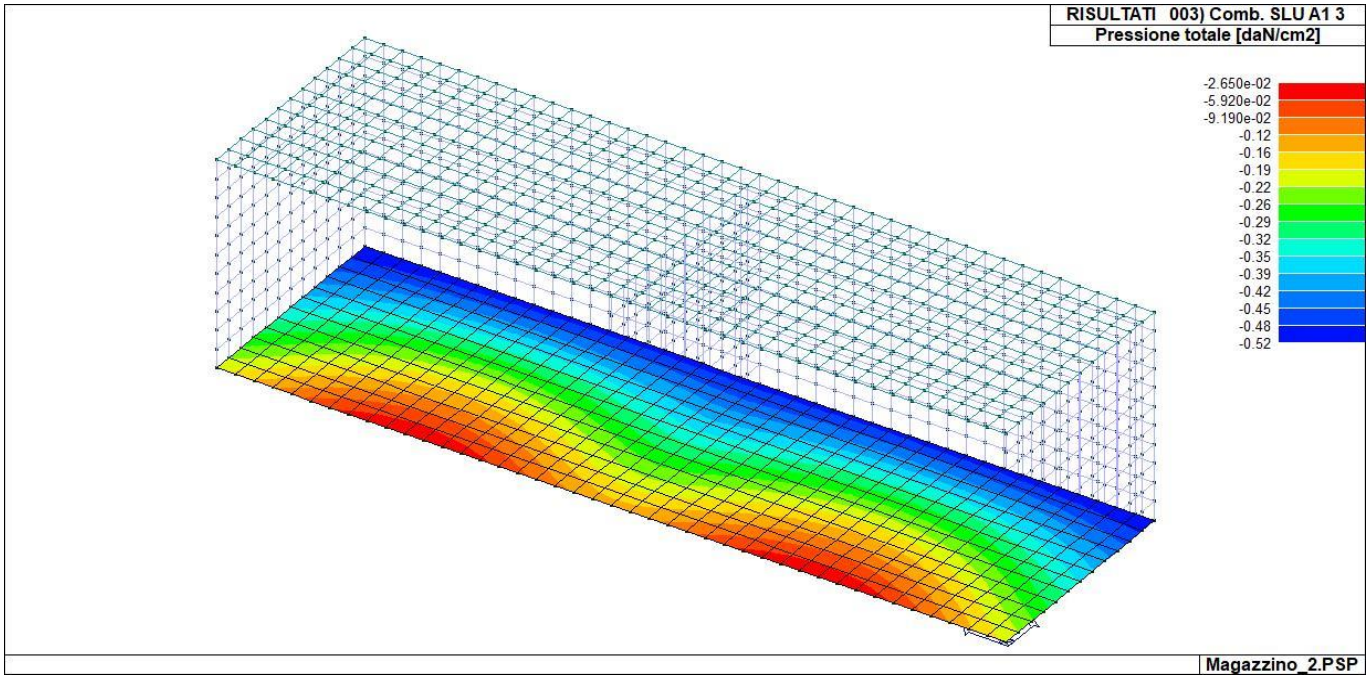
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...		
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-0.43	-0.38	-0.37	-0.31	-0.30	-0.29
2	-0.35	-0.30	-0.30	-0.25	-0.24	-0.23
3	-0.78	-0.67	-0.67	-0.59	-0.58	-0.58
4	-0.75	-0.62	-0.62	-0.57	-0.56	-0.55
5	-0.76	-0.63	-0.63	-0.57	-0.56	-0.56
6	-0.76	-0.64	-0.64	-0.57	-0.57	-0.56
7	-0.38	-0.34	-0.34	-0.28	-0.27	-0.26
8	-0.16	-0.15	-0.15	-0.11	-0.11	-0.10
9	-0.11	-0.12	-0.12	-0.08	-0.07	-0.07
10	-0.11	-0.11	-0.11	-0.07	-0.07	-0.06
11	-0.77	-0.65	-0.65	-0.58	-0.57	-0.57
12	-0.75	-0.62	-0.62	-0.57	-0.56	-0.55
13	-0.24	-0.23	-0.23	-0.18	-0.17	-0.16
14	-0.76	-0.64	-0.64	-0.58	-0.57	-0.56
15	-0.32	-0.27	-0.27	-0.23	-0.22	-0.21
16	-0.14	-0.15	-0.14	-0.10	-0.09	-0.09
17	-0.75	-0.63	-0.63	-0.57	-0.56	-0.56
18	-0.25	-0.22	-0.22	-0.18	-0.17	-0.16
19	-0.13	-0.13	-0.13	-0.09	-0.09	-0.08
20	-0.75	-0.62	-0.62	-0.57	-0.56	-0.55
21	-0.75	-0.62	-0.62	-0.57	-0.56	-0.55
22	-0.75	-0.62	-0.62	-0.57	-0.56	-0.55
23	-0.77	-0.65	-0.65	-0.58	-0.57	-0.57
24	-0.76	-0.64	-0.64	-0.57	-0.57	-0.56
25	-0.20	-0.20	-0.20	-0.15	-0.14	-0.13
....						
1285	-0.45	-0.37	-0.37	-0.33	-0.32	-0.31
1286	-0.48	-0.38	-0.38	-0.35	-0.34	-0.33
1287	-0.51	-0.39	-0.39	-0.38	-0.37	-0.36
1288	-0.54	-0.41	-0.41	-0.40	-0.39	-0.38
1289	-0.57	-0.44	-0.44	-0.43	-0.42	-0.41
1290	-0.60	-0.47	-0.47	-0.45	-0.44	-0.43
1291	-0.64	-0.50	-0.50	-0.48	-0.47	-0.46

1292	-0.67	-0.54	-0.54	-0.50	-0.50	-0.49
1293	-0.71	-0.58	-0.58	-0.53	-0.52	-0.52
1294	-0.74	-0.62	-0.62	-0.56	-0.55	-0.54
1295	-0.46	-0.39	-0.39	-0.33	-0.32	-0.31
1296	-0.48	-0.40	-0.40	-0.36	-0.35	-0.34
1297	-0.51	-0.41	-0.41	-0.38	-0.37	-0.36
1298	-0.54	-0.42	-0.42	-0.40	-0.39	-0.38
1299	-0.57	-0.44	-0.44	-0.43	-0.42	-0.41
1300	-0.60	-0.46	-0.46	-0.45	-0.44	-0.43
1301	-0.63	-0.49	-0.49	-0.47	-0.46	-0.45
1302	-0.66	-0.52	-0.52	-0.49	-0.49	-0.48
1303	-0.69	-0.55	-0.55	-0.52	-0.51	-0.50
1304	-0.72	-0.59	-0.59	-0.54	-0.53	-0.53
1305	-0.75	-0.63	-0.63	-0.57	-0.56	-0.55

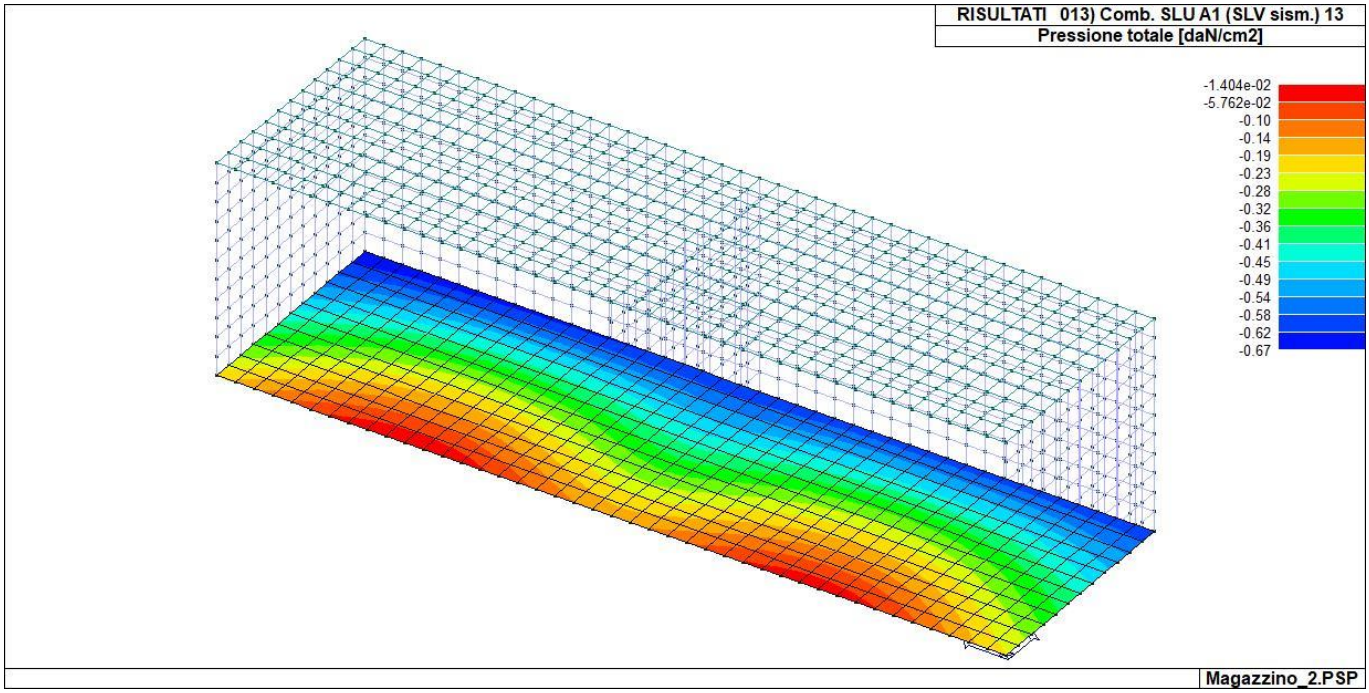
Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**
	-0.78			
	-0.06			



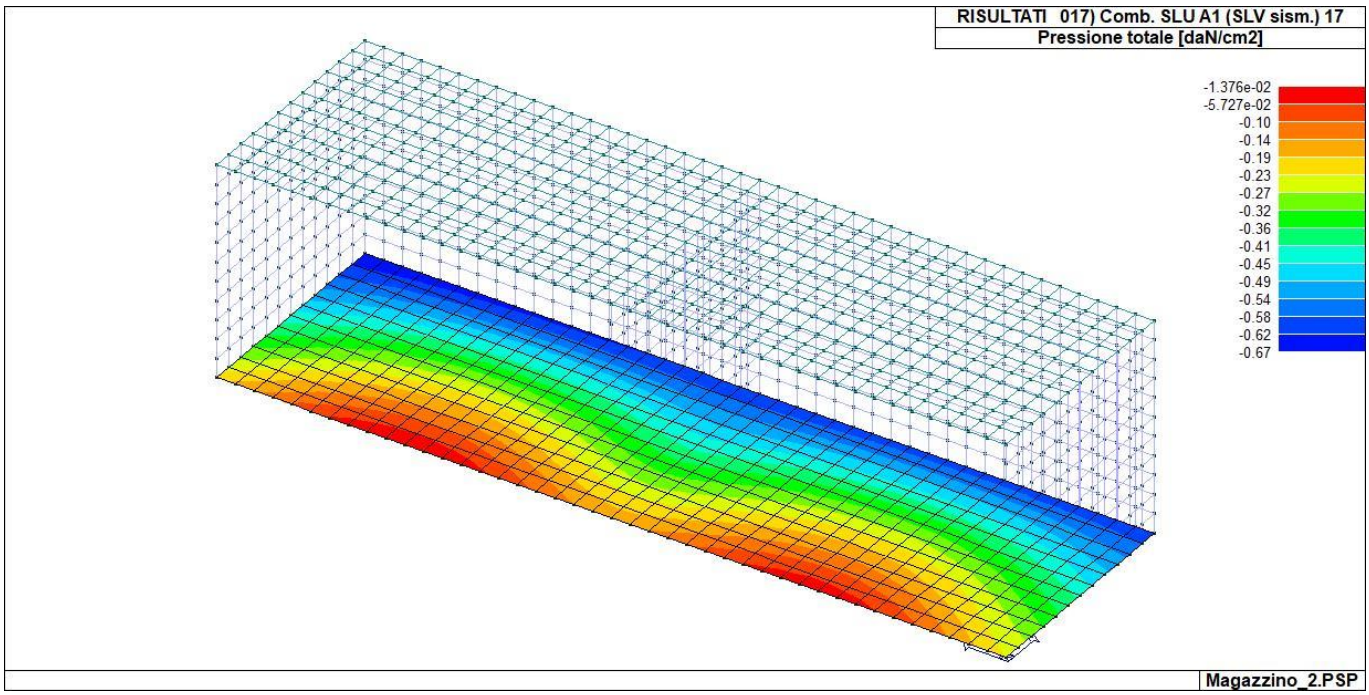
RIS_PRESSIONI_002_Comb. SLU A1 2



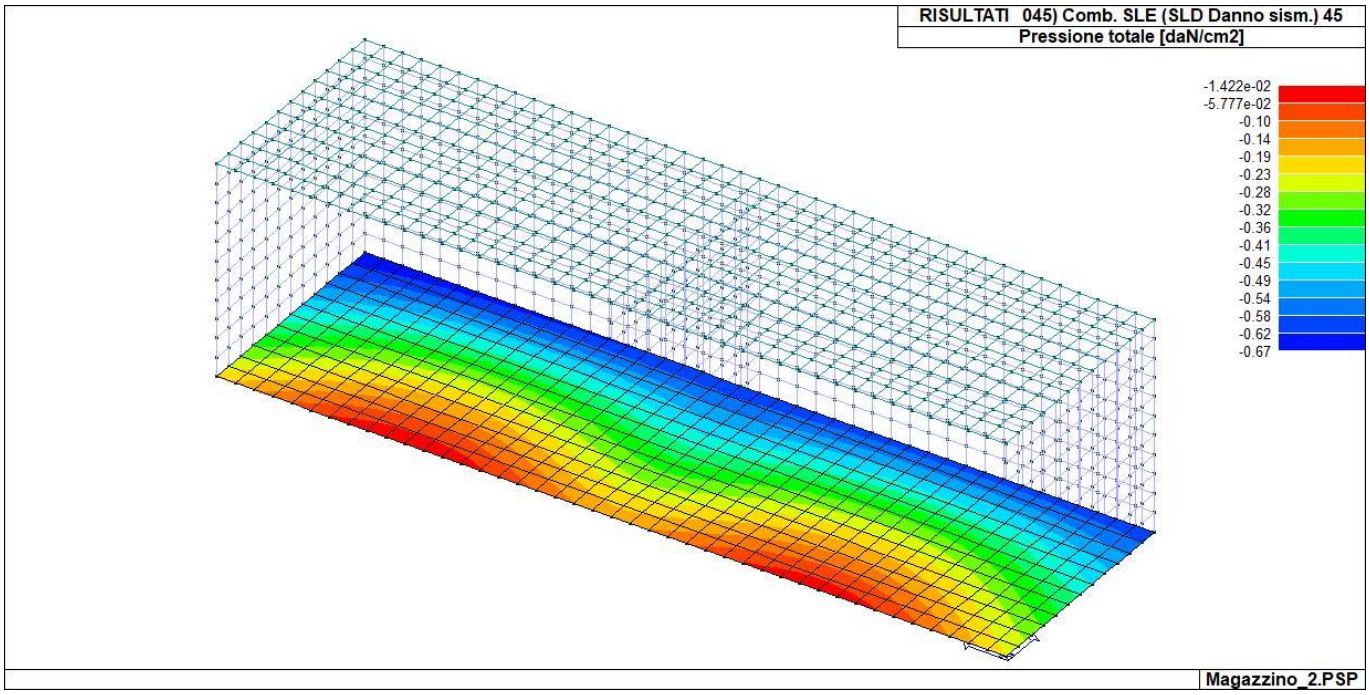
RIS_PRESSIONI_003_Comb. SLU A1 3



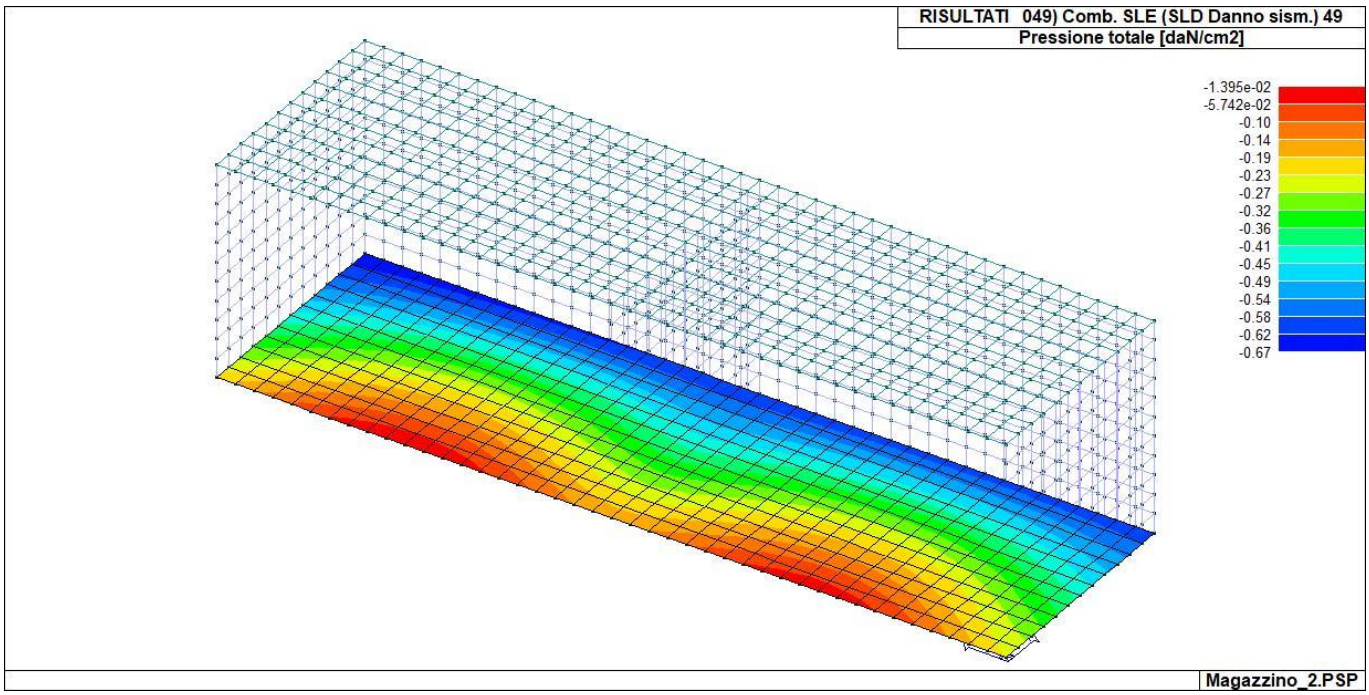
RIS_PRESSIONI_013_Comb. SLU A1 (SLV sism.) 13



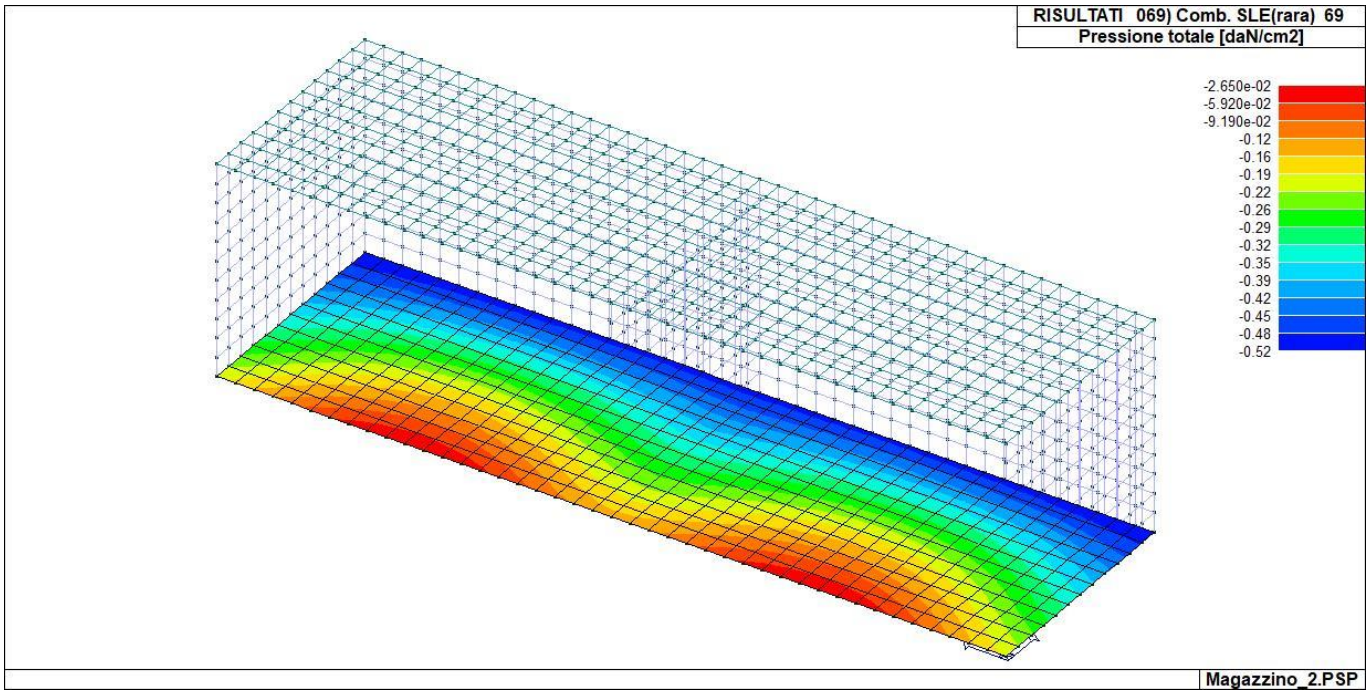
RIS_PRESSIONI_017_Comb. SLU A1 (SLV sism.) 17



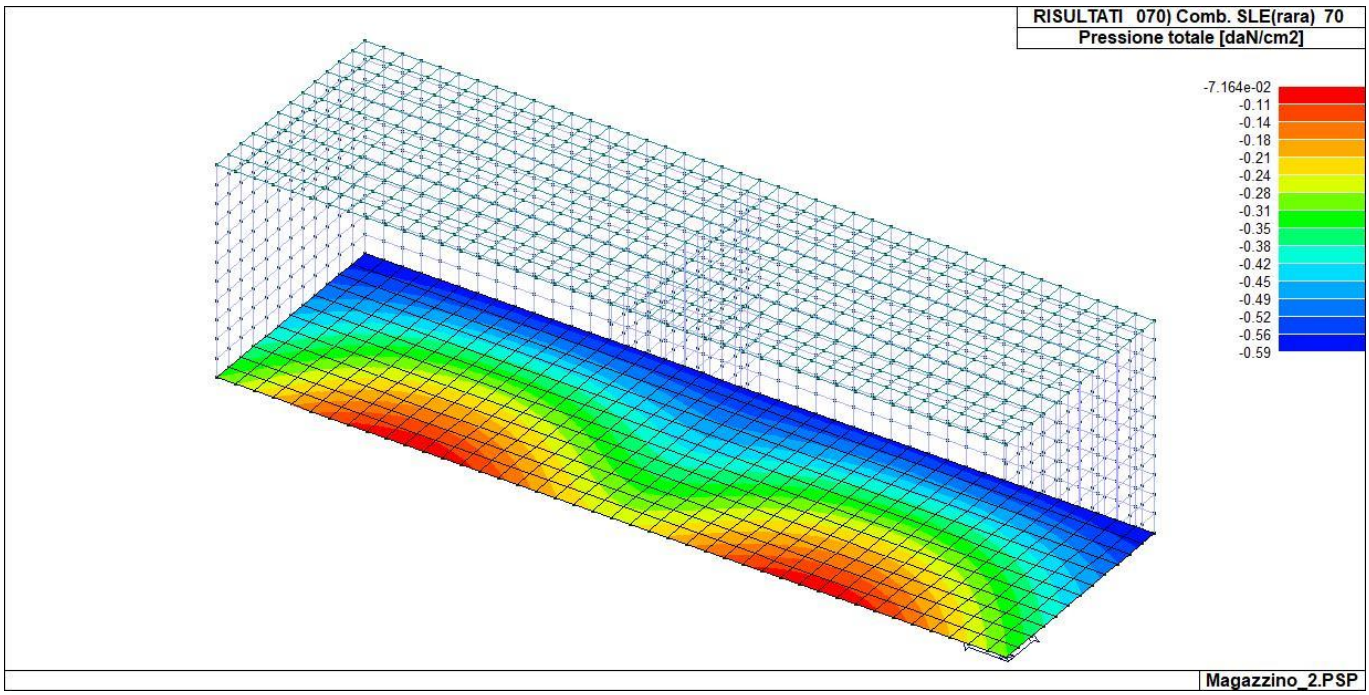
RIS_PRESSIONI_045_Comb. SLE (SLD Danno sism.) 45



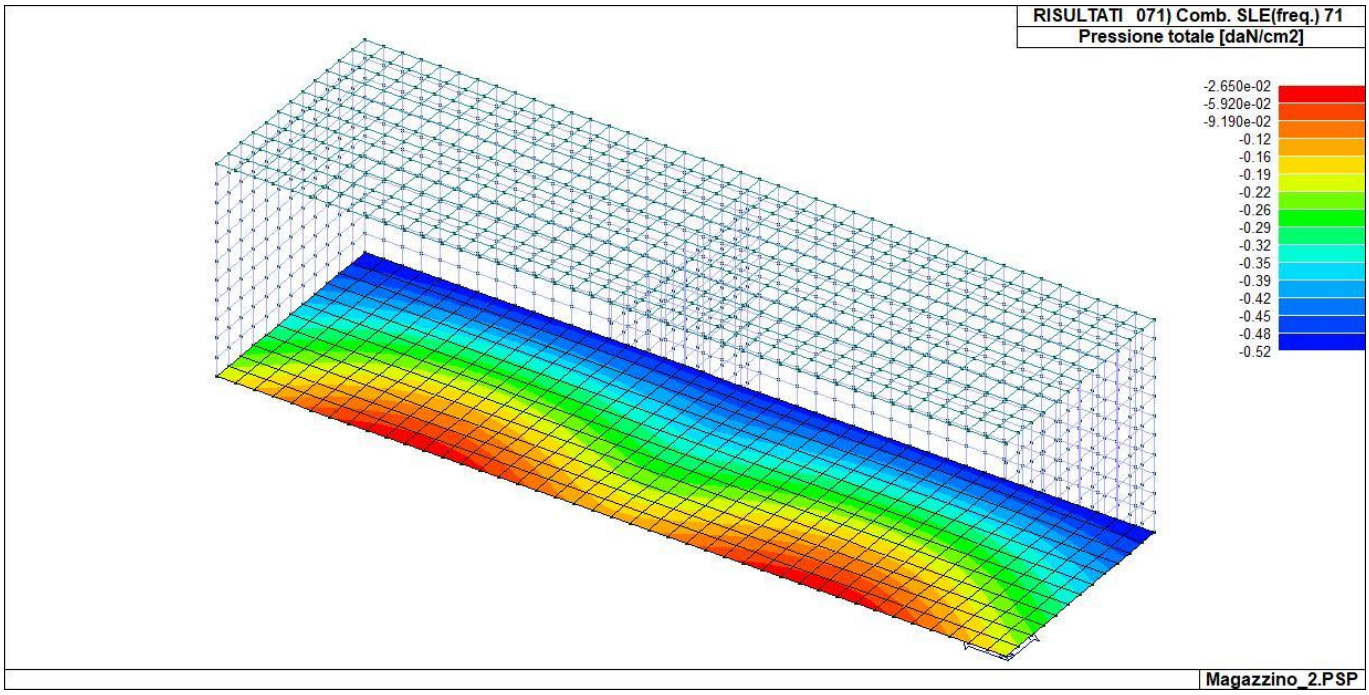
RIS_PRESSIONI_049_Comb. SLE (SLD Danno sism.) 49



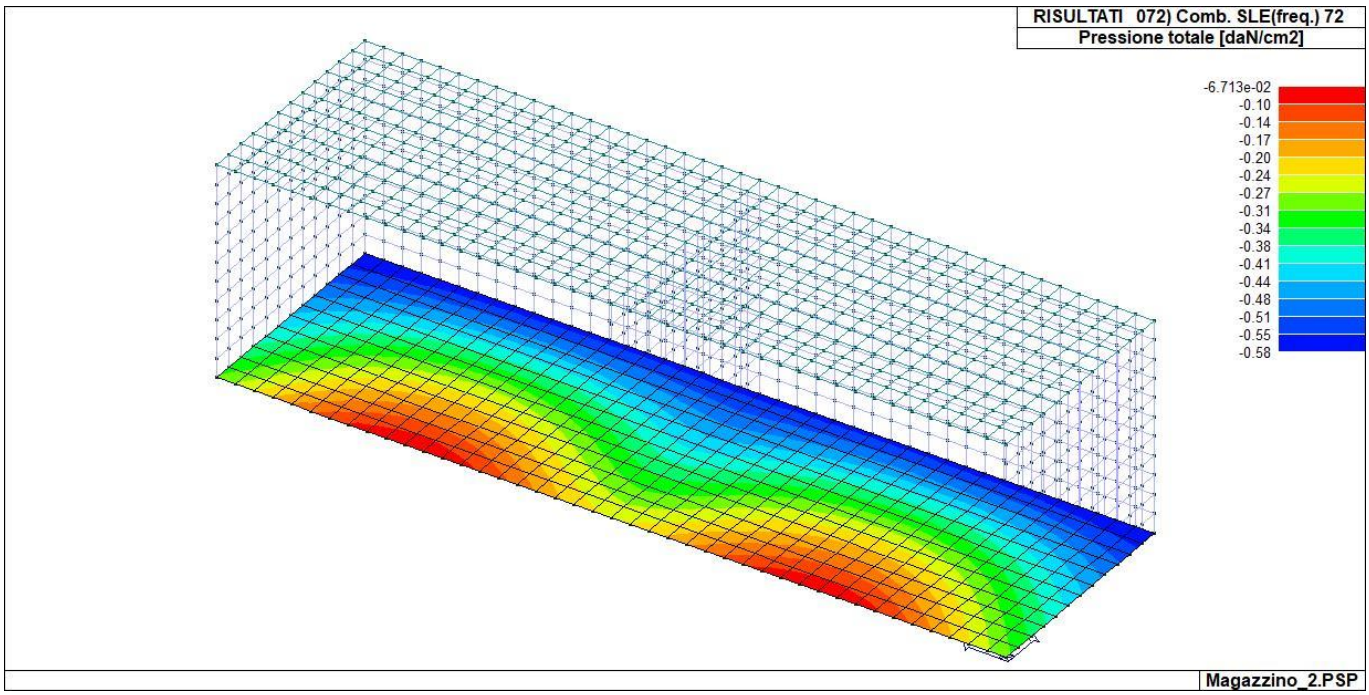
RIS_PRESSIONI_069_Comb. SLE(rara) 69



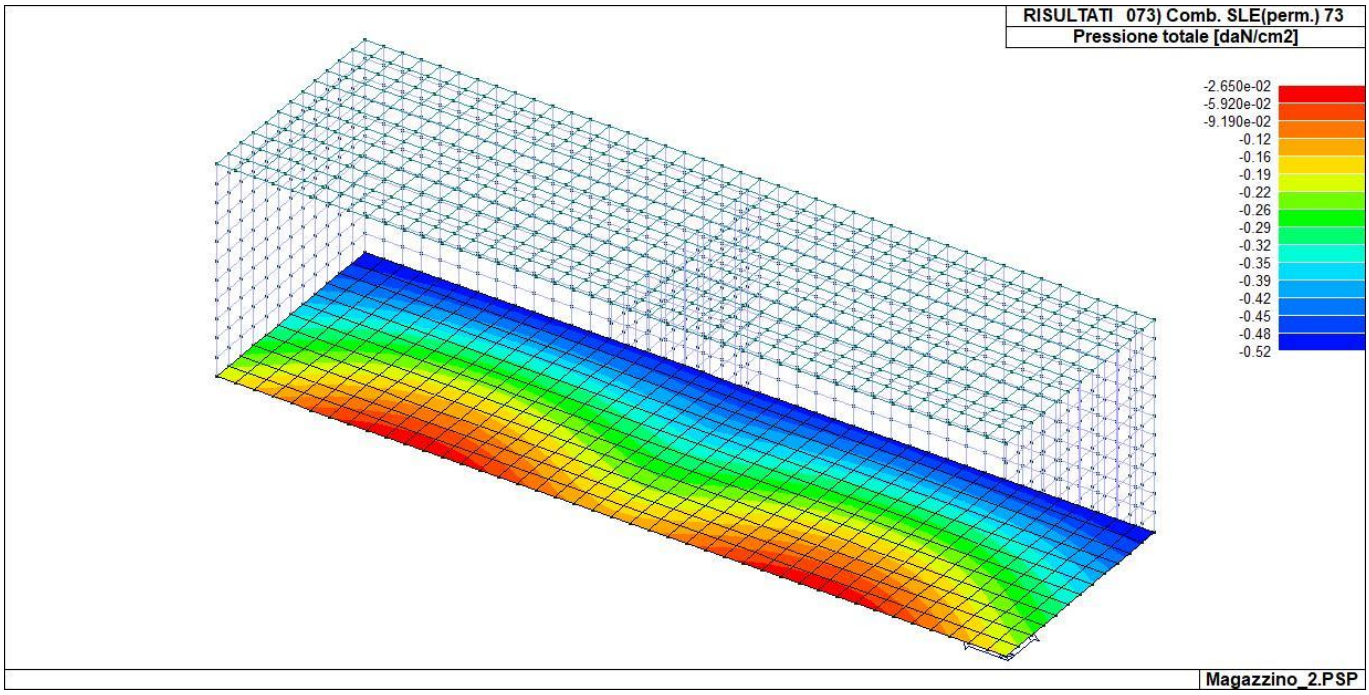
RIS_PRESSIONI_070_Comb. SLE(rara) 70



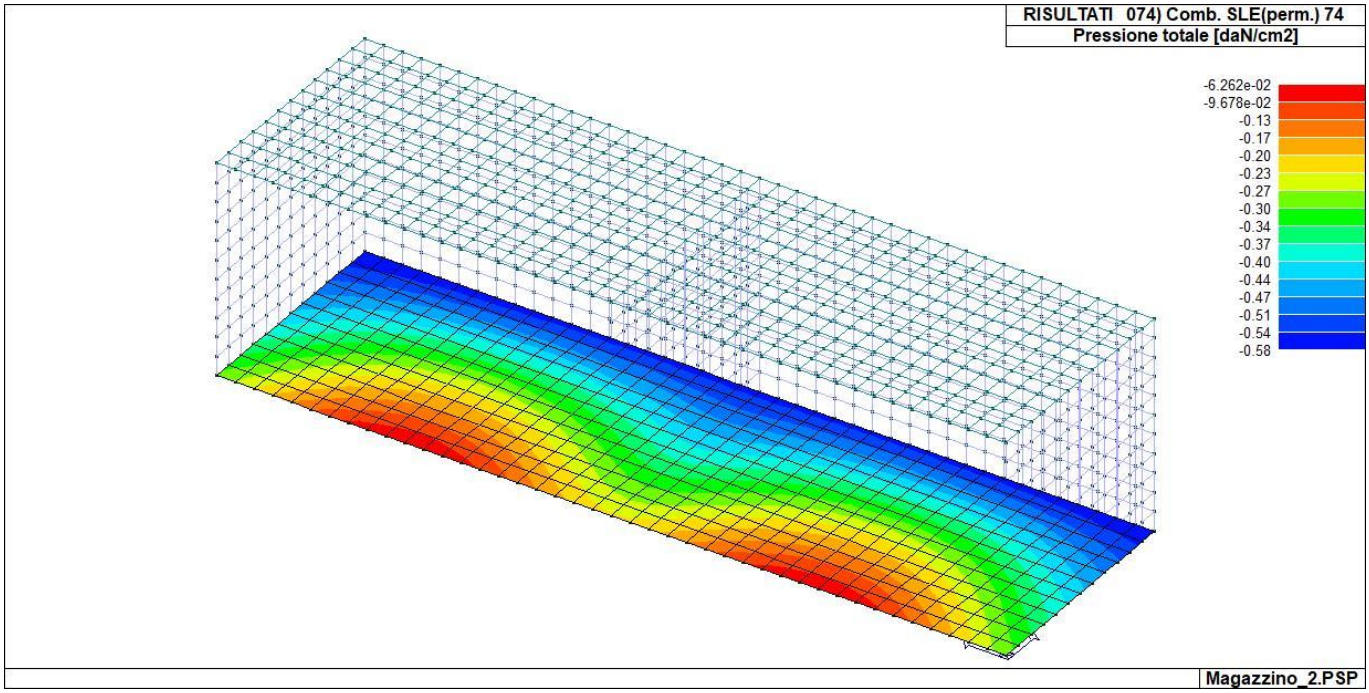
RIS_PRESSIONI_071_Comb. SLE(freq.) 71



RIS_PRESSIONI_072_Comb. SLE(freq.) 72



RIS_PRESSIONI_073_Comb. SLE(perm.) 73

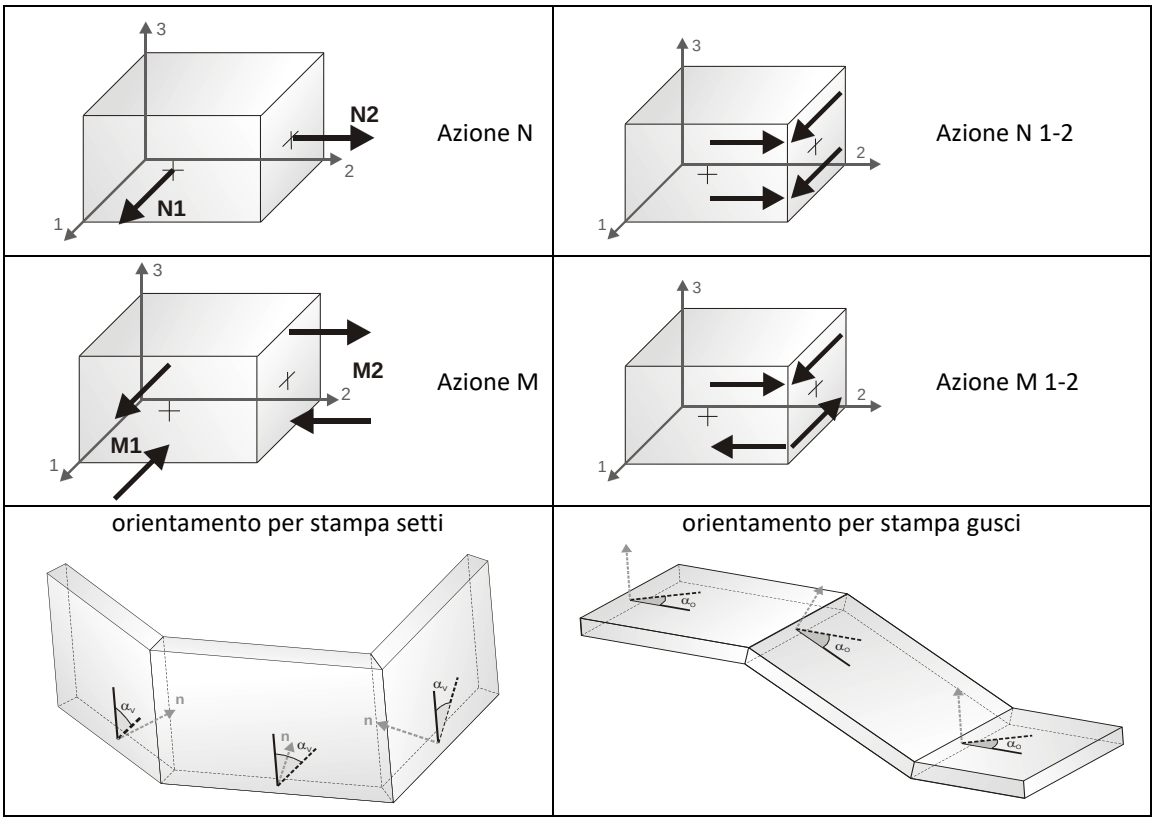


RIS_PRESSIONI_074_Comb. SLE(perm.) 74

09.13 Risultati elementi tipo shell

09.13.1 Legenda risultati elementi tipo shell

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



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
N1-2	**M1**	sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni
M2	**M1-2**	tangenziali)

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.
In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.
I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_O attorno all'asse Z per i gusci e ruotata di α_V attorno alla normale (che per definizione è orizzontale) al piano del setto.
Per i setti, in particolare, se α_V è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.
Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

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

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

Per brevità si riporteranno nel seguito solamente i risultati massimi per ciascuna macro, i tabulati completi saranno messi a disposizione su richiesta.

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

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.123e+04	-5311.65	-739.84	2.122e+05	-4.972e+04	-3.120e+04
	-8504.05	3017.85	497.44	1.018e+06	6.822e+04	3.711e+04

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

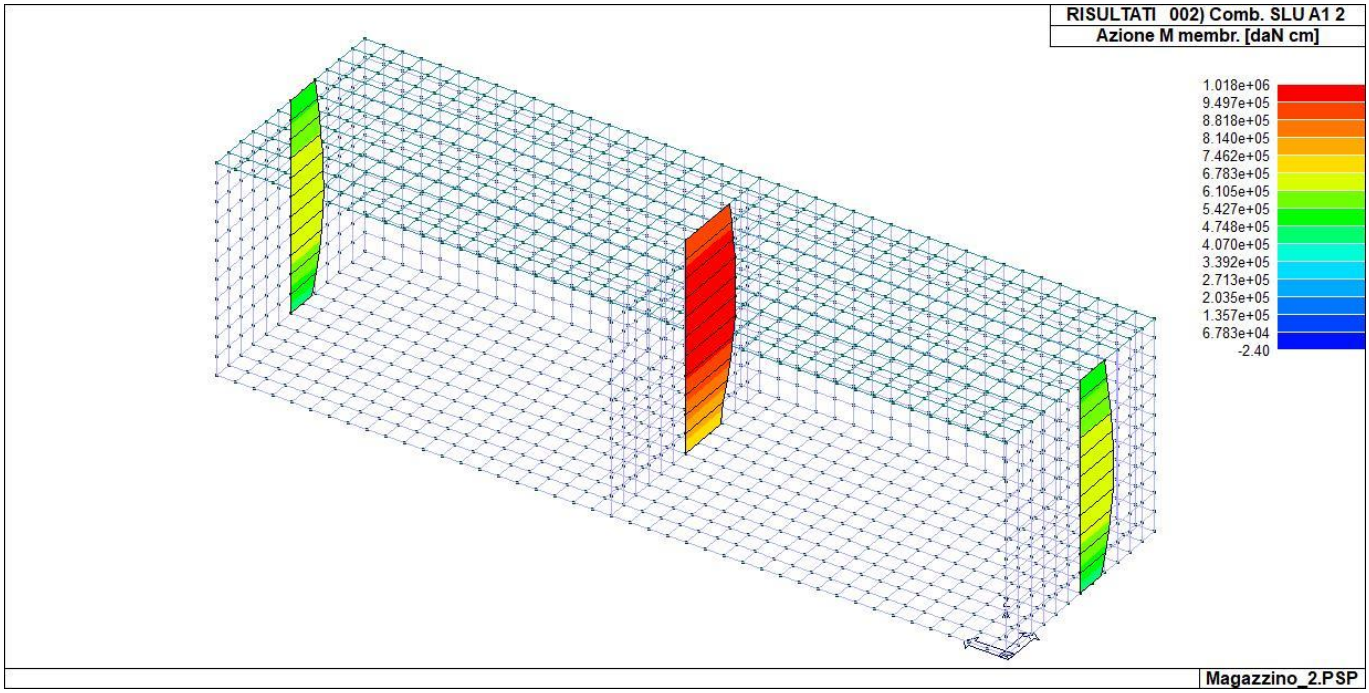
M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-1.320e+04	-1136.02	-2182.35	1.461e+05	-4.793e+05	-3.316e+05
	-3452.76	4096.98	3019.78	6.703e+05	-1.128e+05	3.070e+05

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

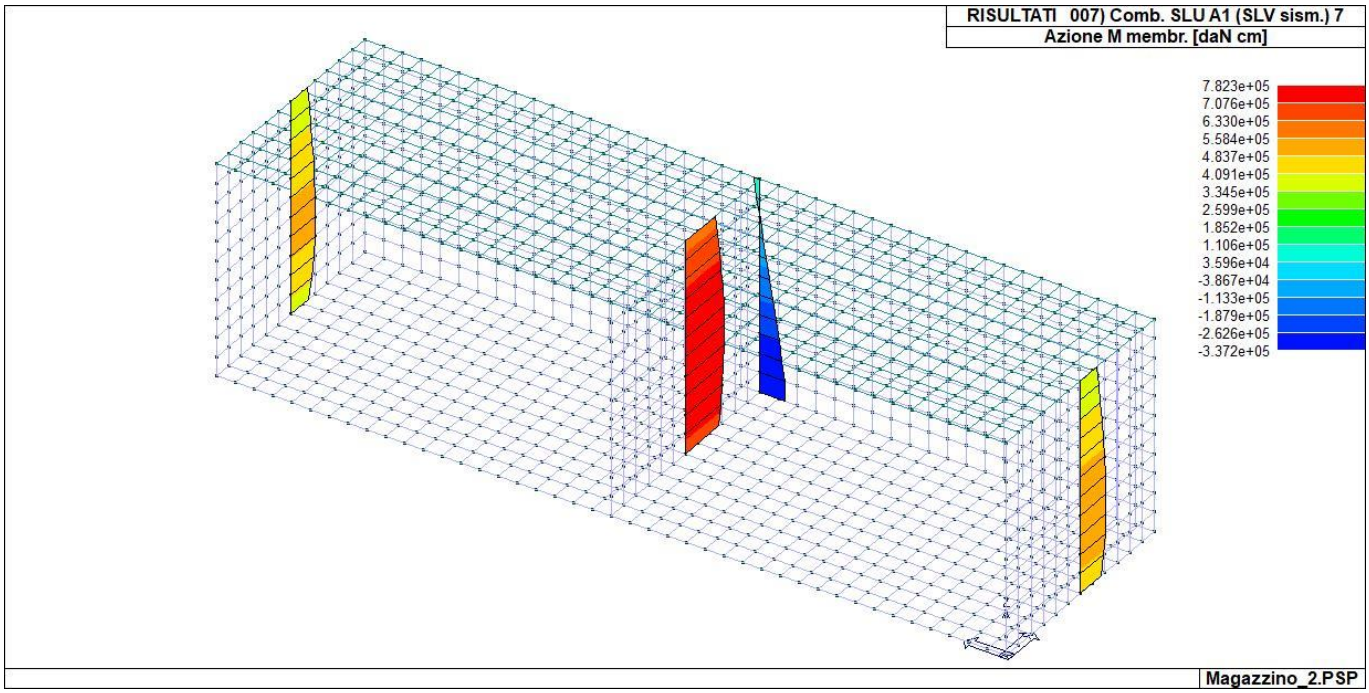
M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-4.691e+04	-3167.20	-9779.59	-6.654e+05	2.717e+05	-9.499e+04
	-9842.26	1240.96	7130.47	7.417e+04	1.401e+06	0.06

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

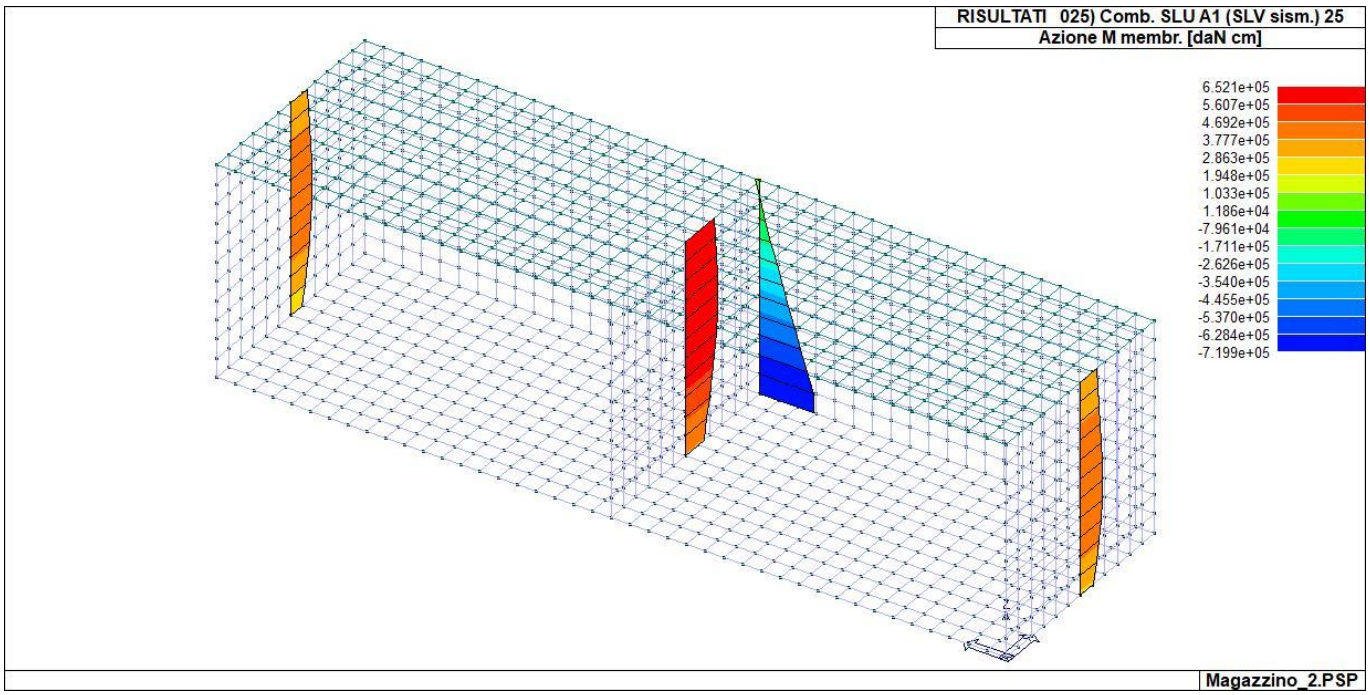
M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-1.320e+04	-1136.02	-3019.78	1.461e+05	1.128e+05	-3.070e+05
	-3452.76	4096.98	2182.35	6.703e+05	4.793e+05	3.316e+05



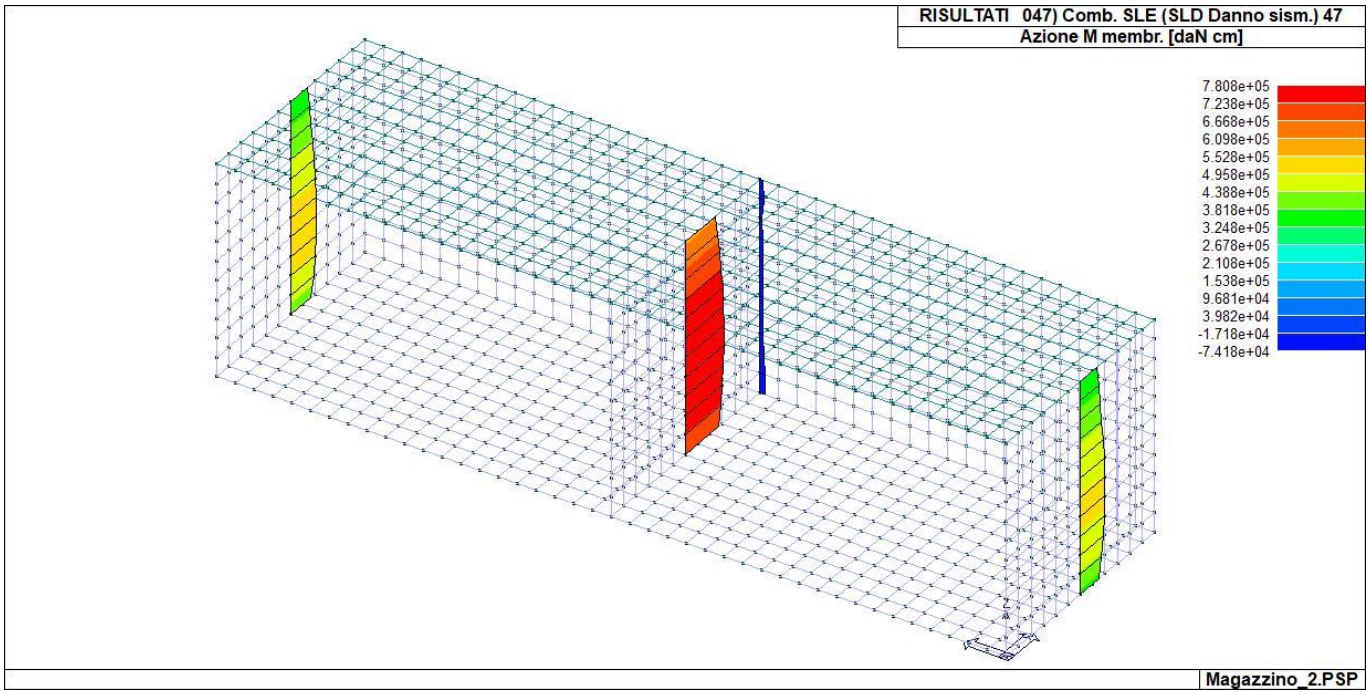
RIS_M_002_Comb. SLU A1 2



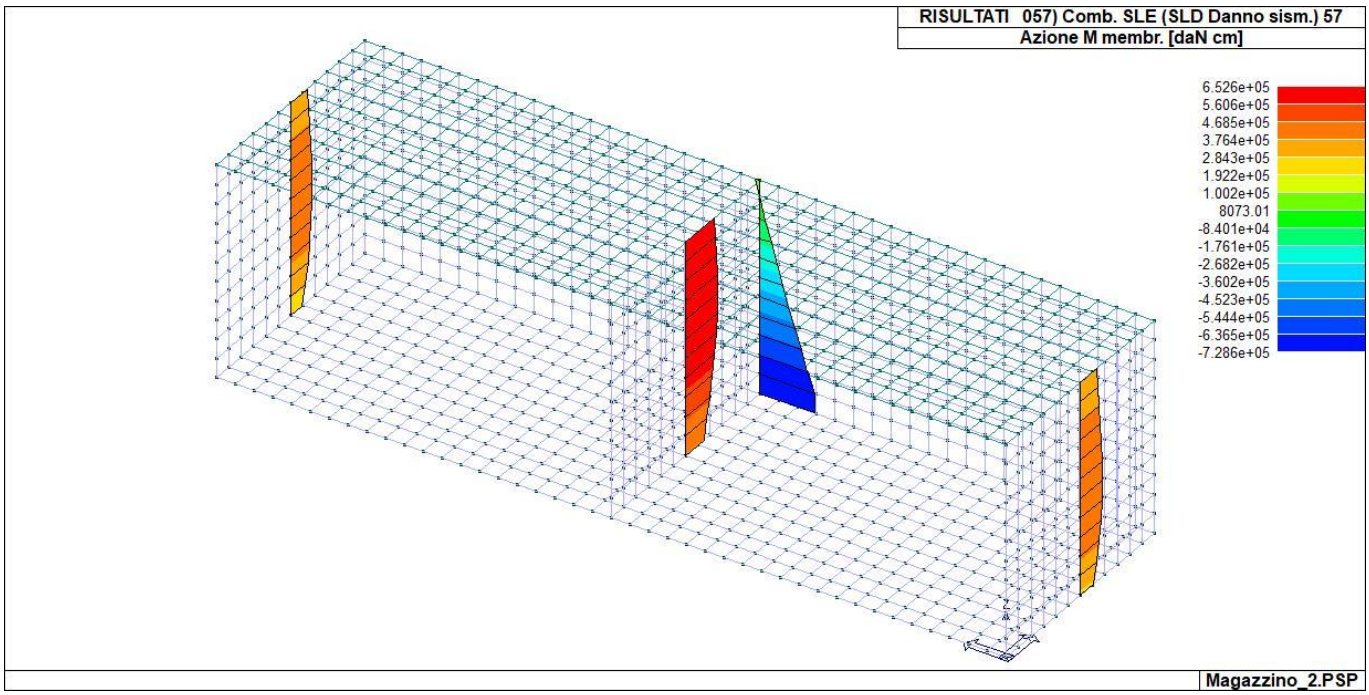
RIS_M_007_Comb. SLU A1 (SLV sism.) 7



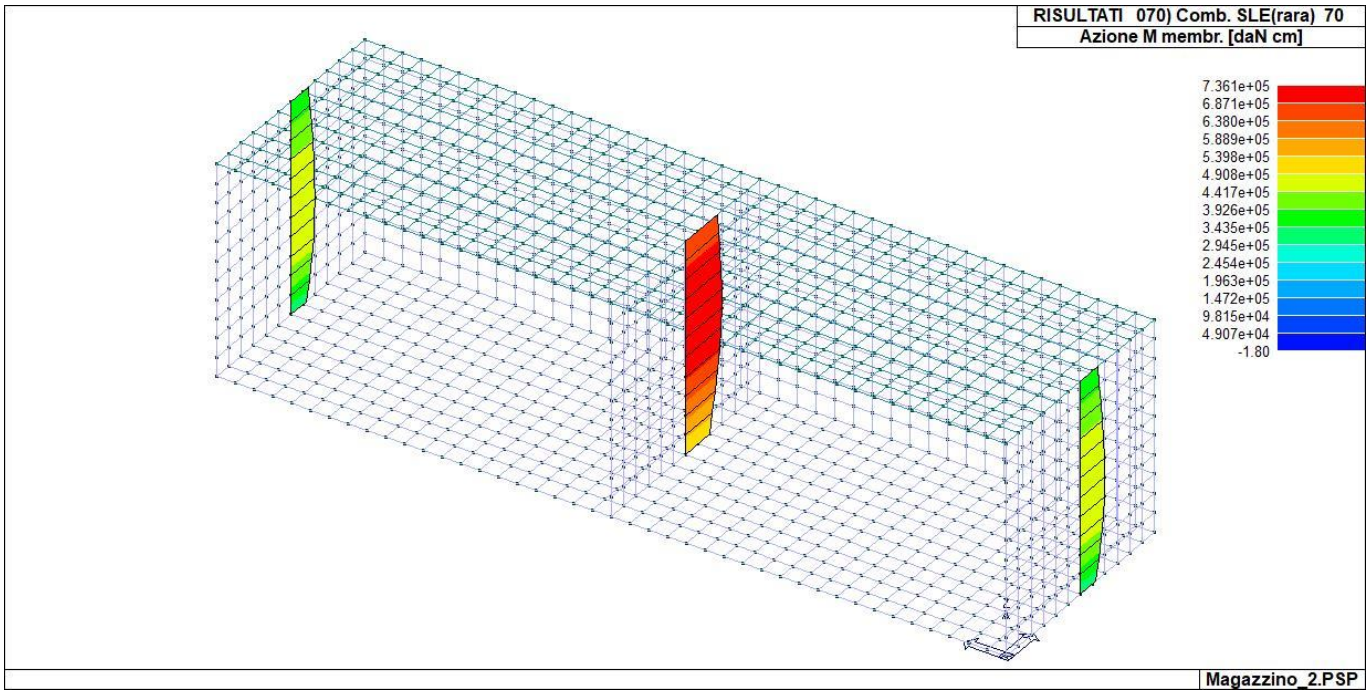
RIS_M_025_Comb. SLU A1 (SLV sism.) 25



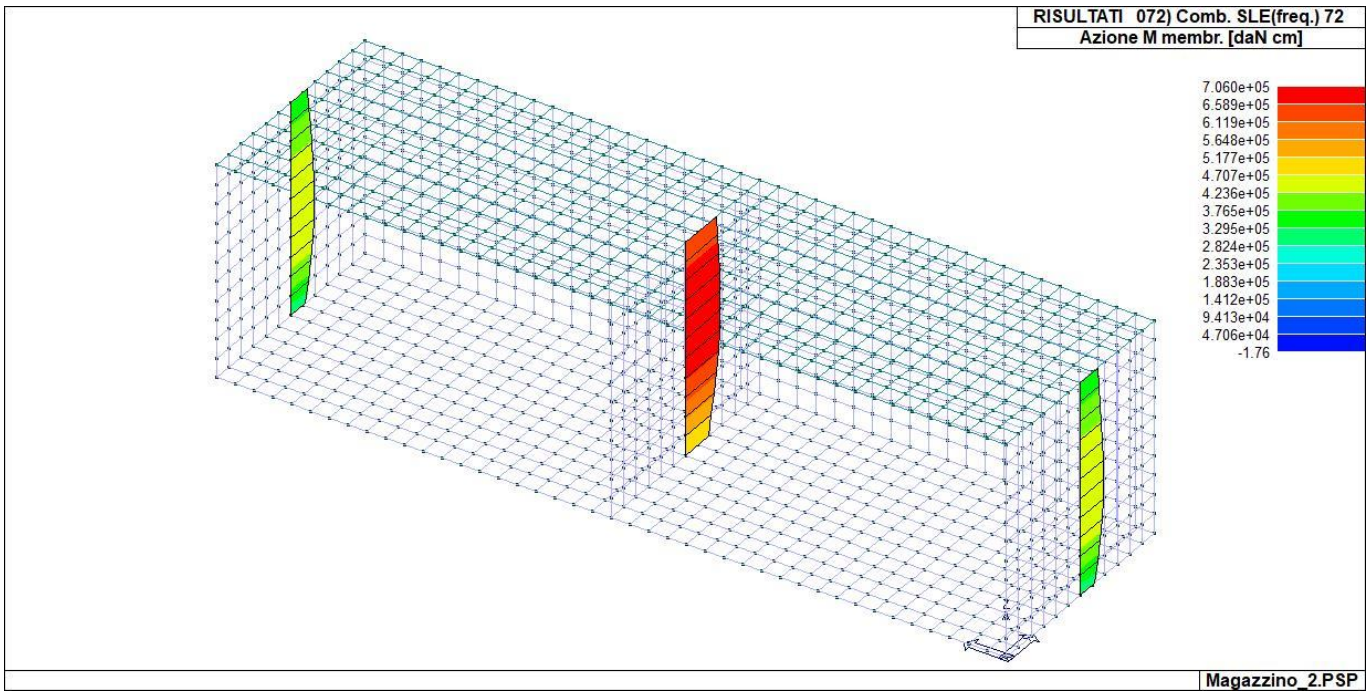
RIS_M_047_Comb. SLE (SLD Danno sism.) 47



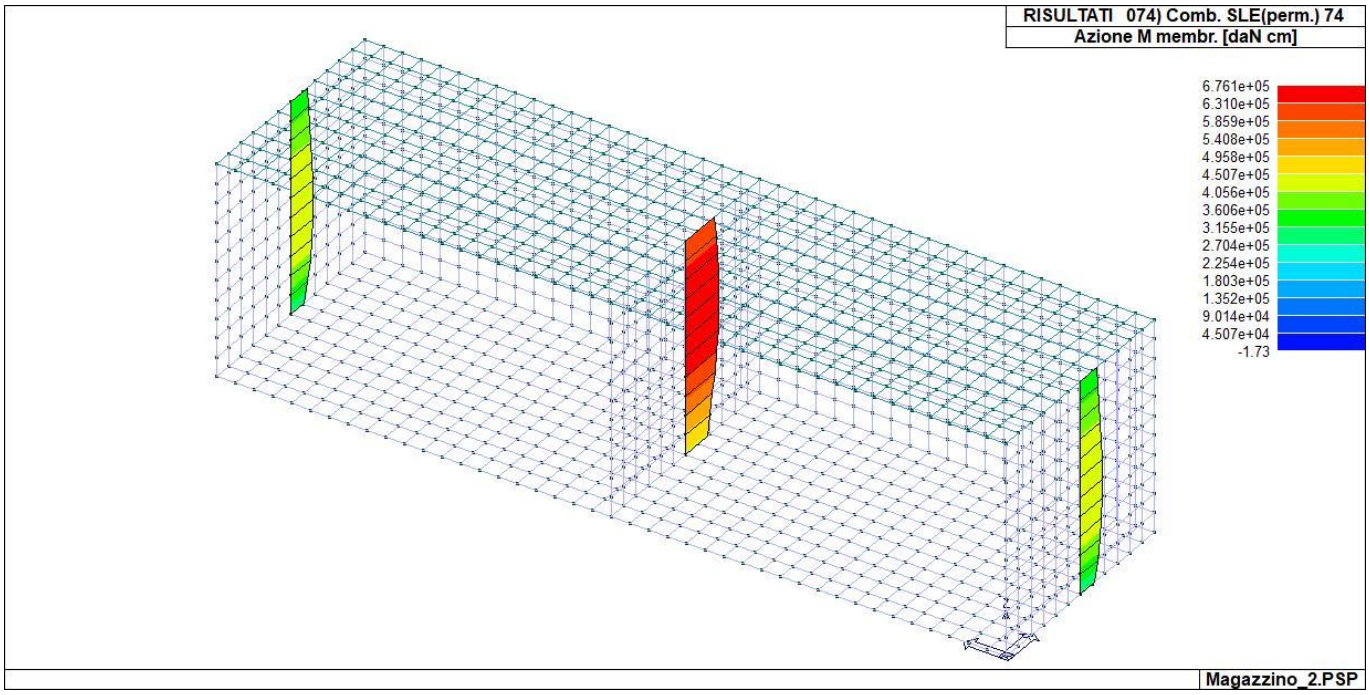
RIS_M_057_Comb. SLE (SLD Danno sism.) 57



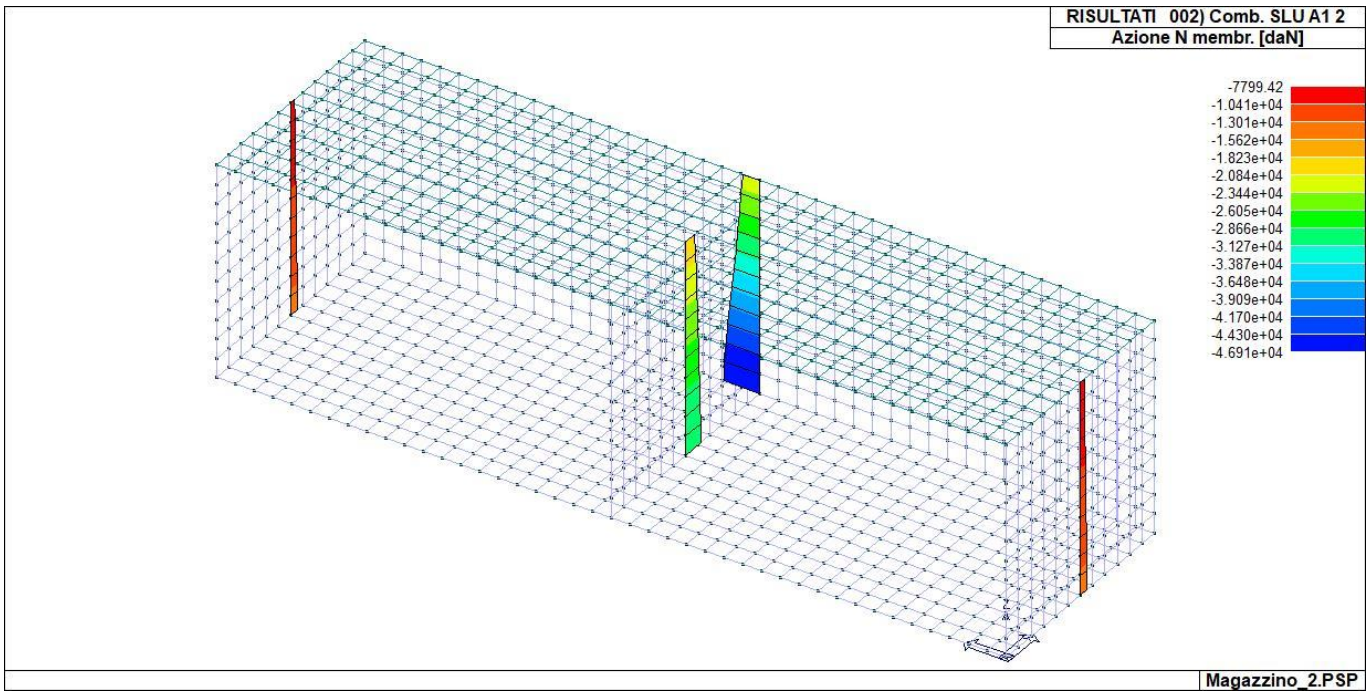
RIS_M_070_Comb. SLE(rara) 70



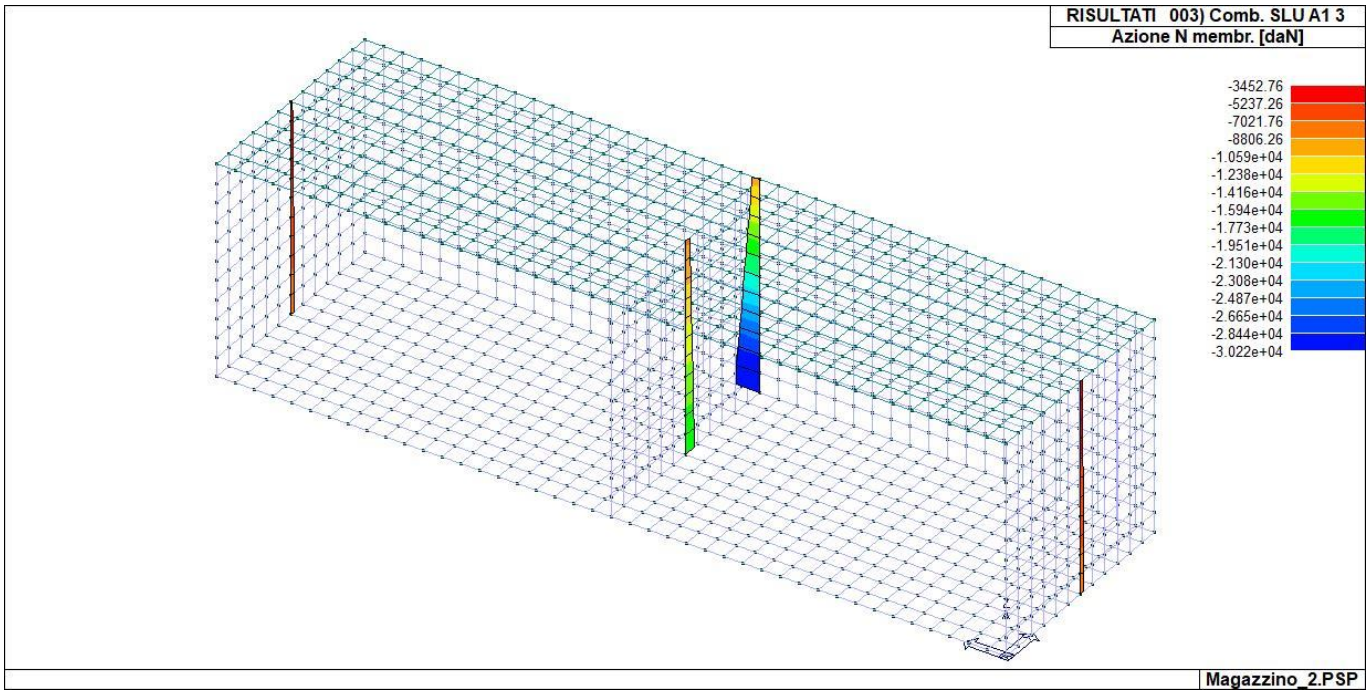
RIS_M_072_Comb. SLE(freq.) 72



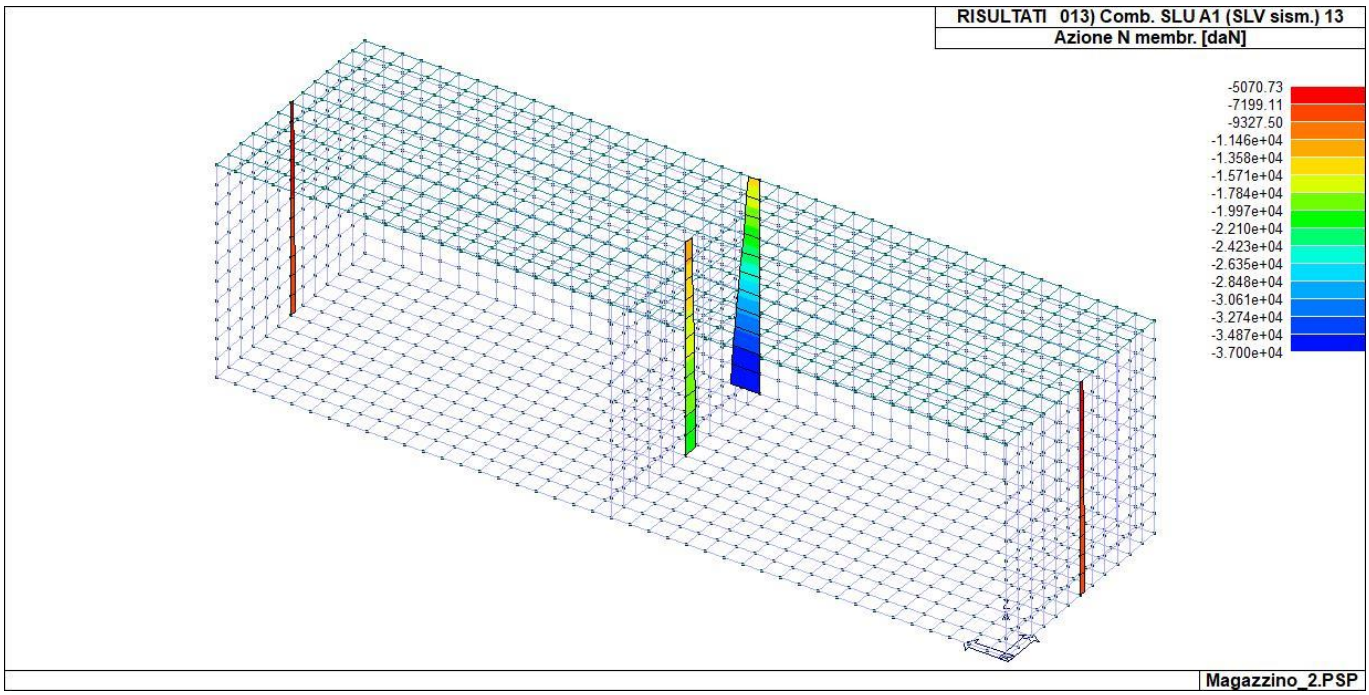
RIS_M_074_Comb. SLE(perm.) 74



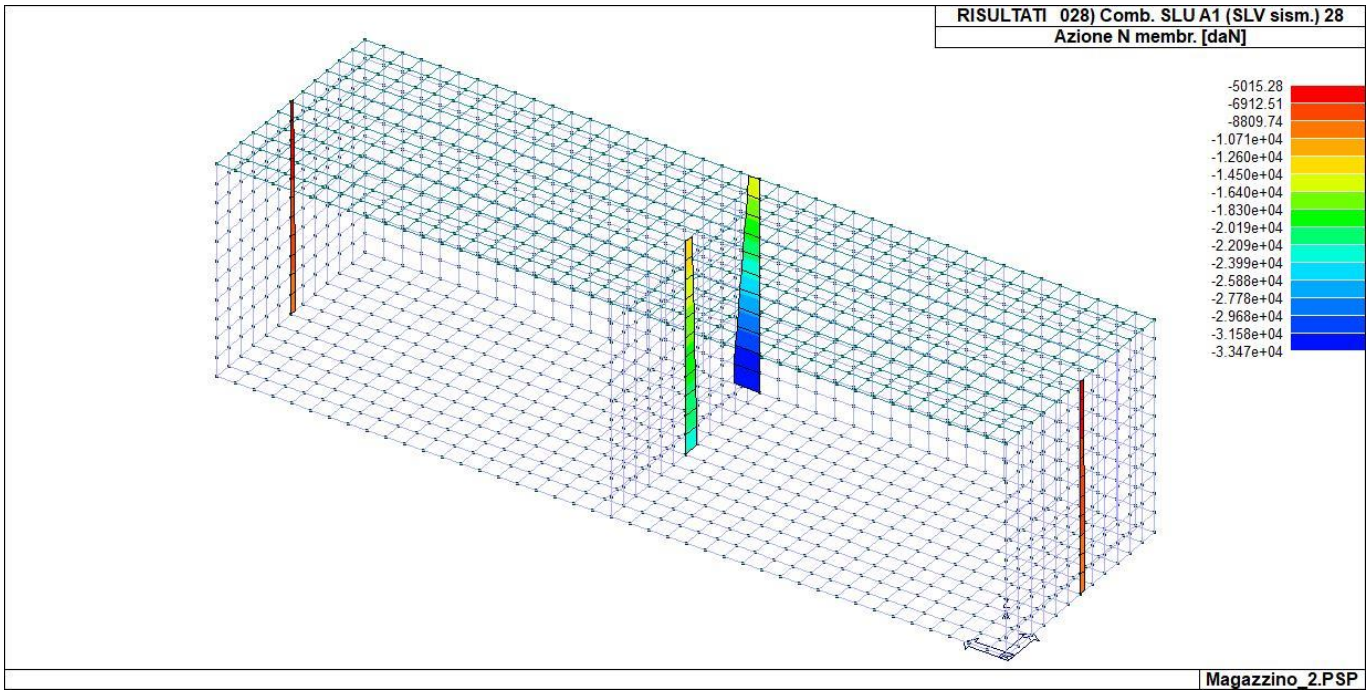
RIS_N_002_Comb. SLU A1 2



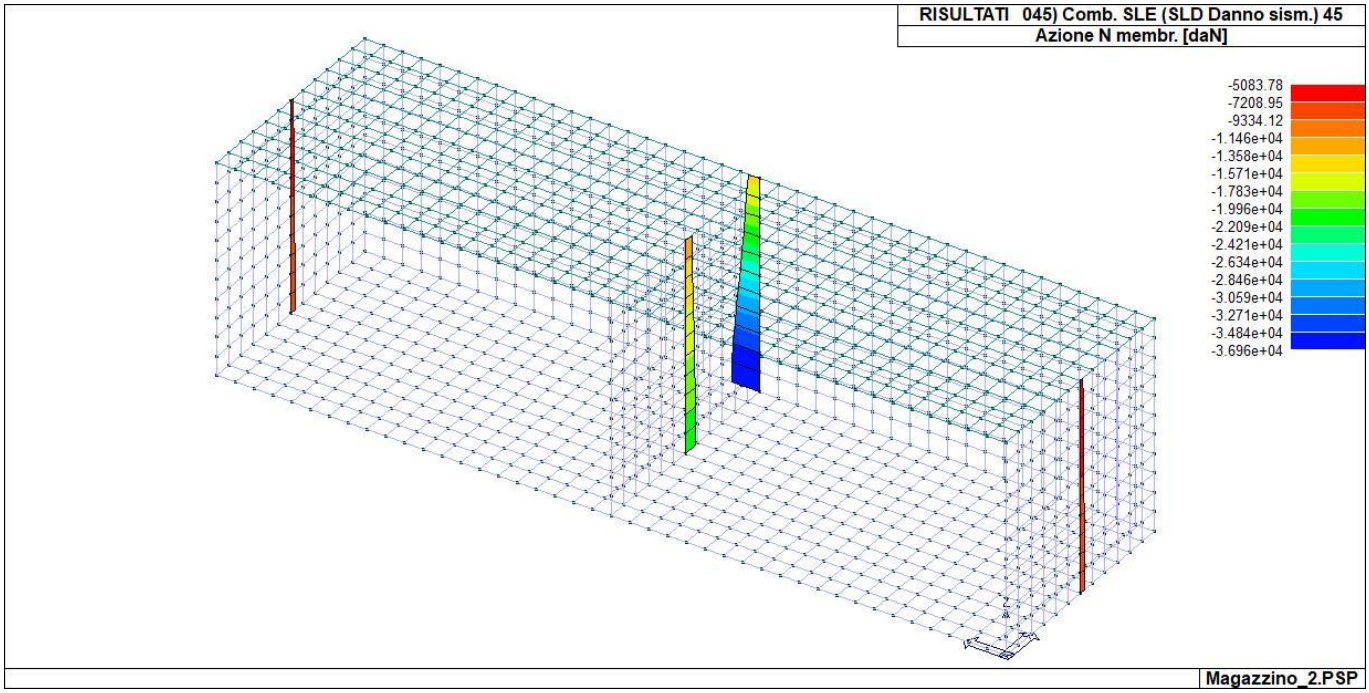
RIS_N_003_Comb. SLU A1 3



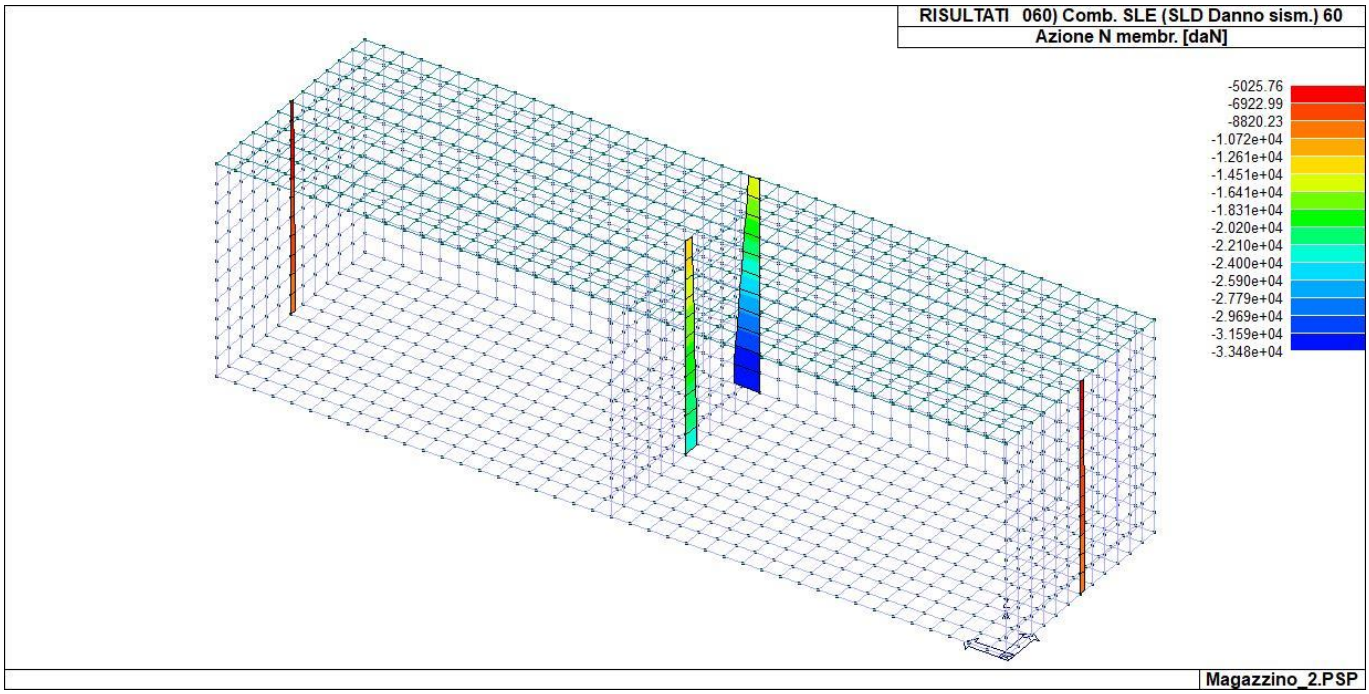
RIS_N_013_Comb. SLU A1 (SLV sism.) 13



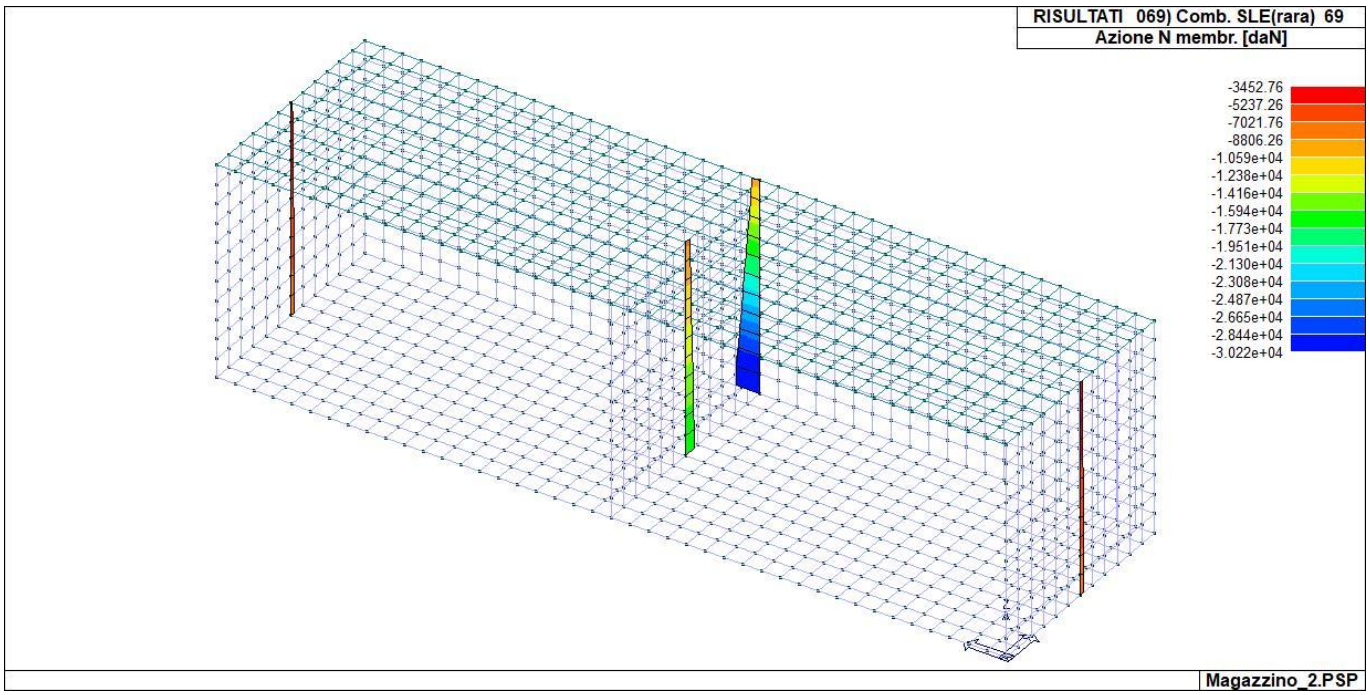
RIS_N_028_Comb. SLU A1 (SLV sism.) 28



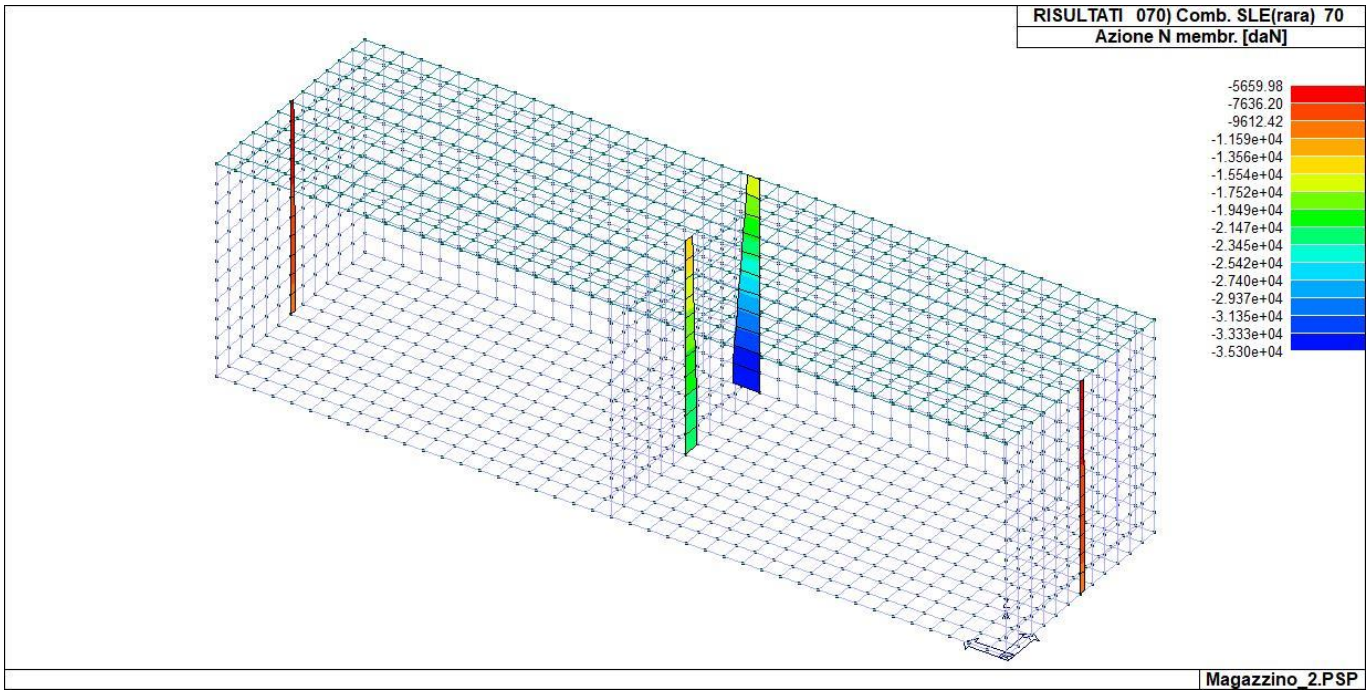
RIS_N_045_Comb. SLE (SLD Danno sism.) 45



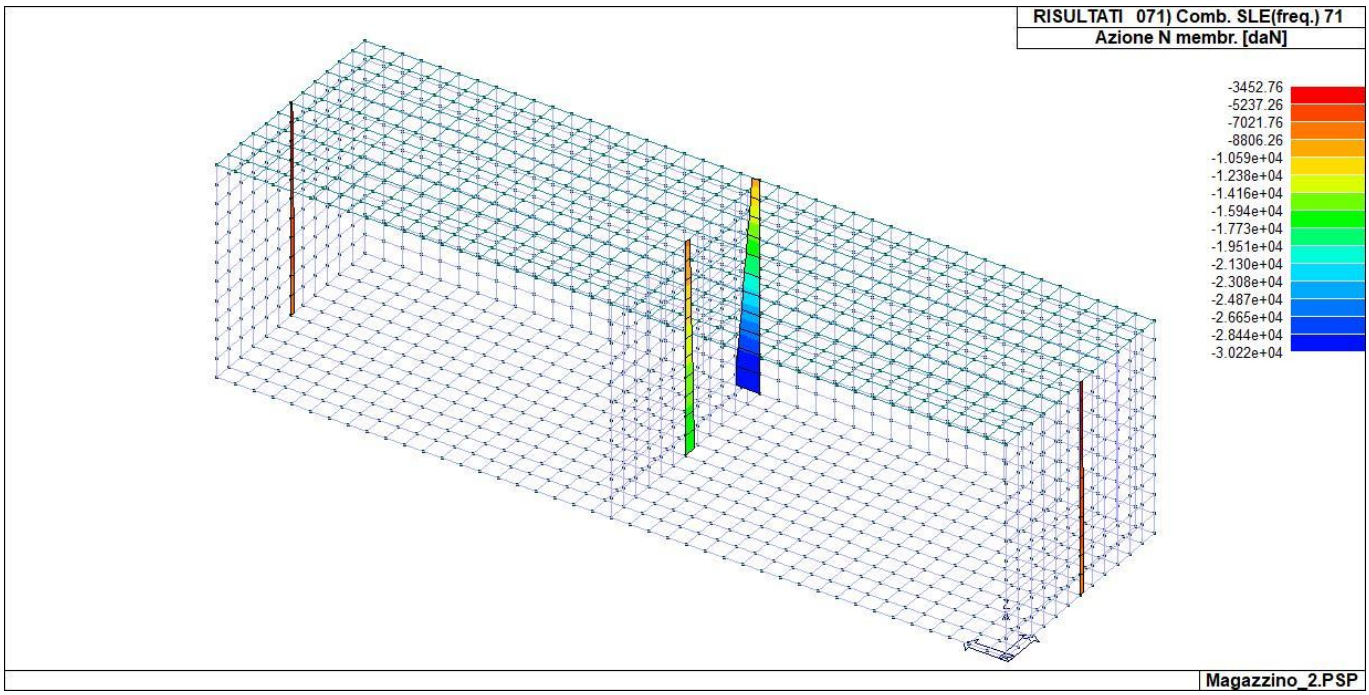
RIS_N_060_Comb. SLE (SLD Danno sism.) 60



RIS_N_069_Comb. SLE(rara) 69



RIS_N_070_Comb. SLE(rara) 70



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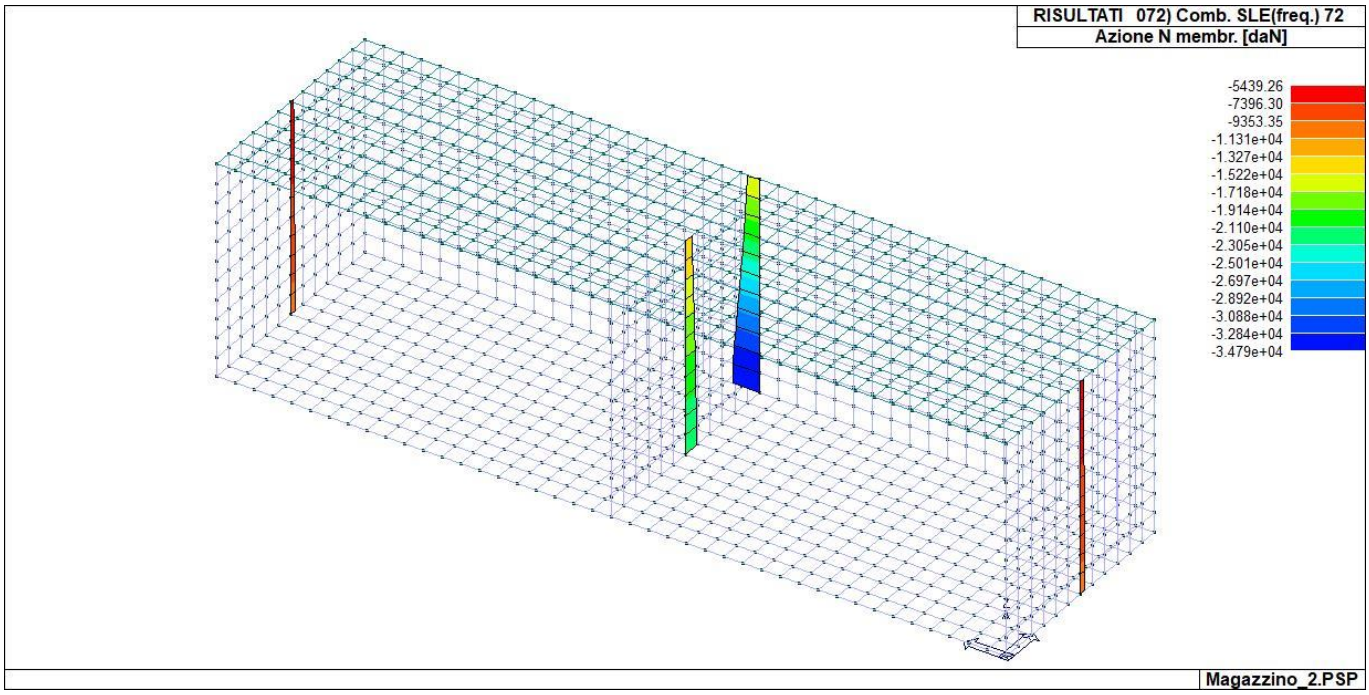

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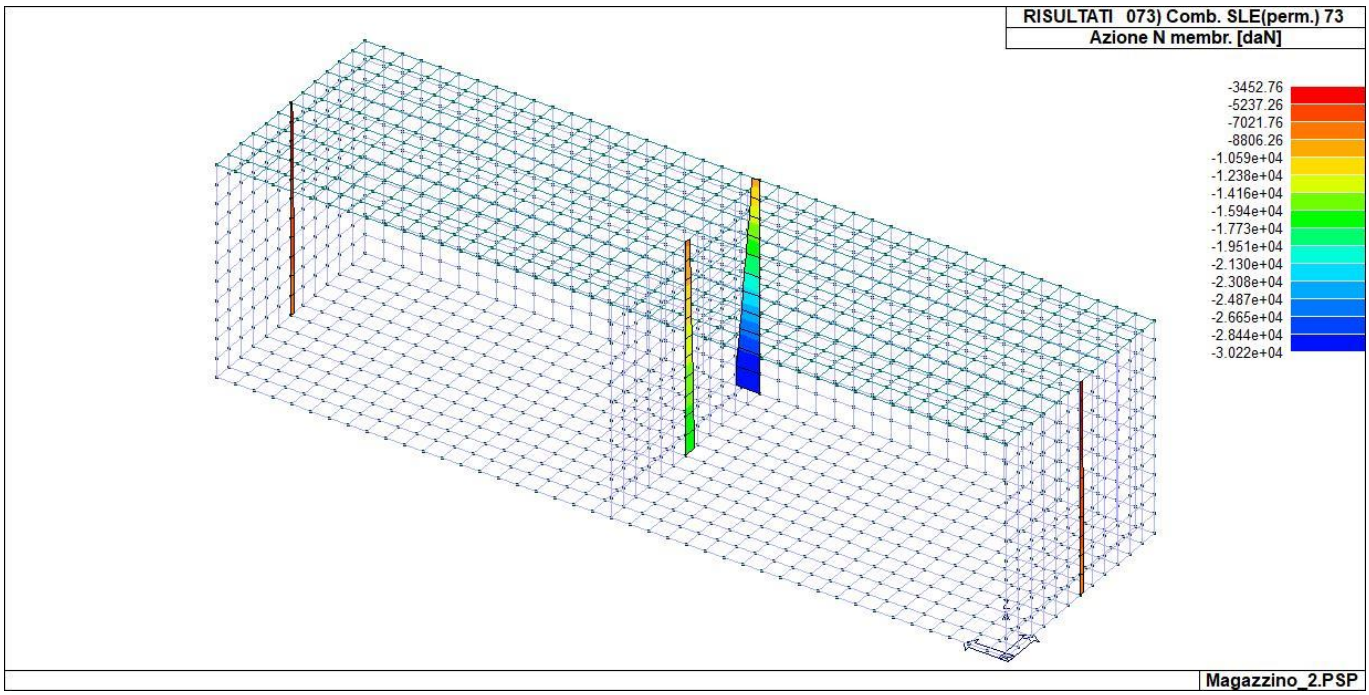
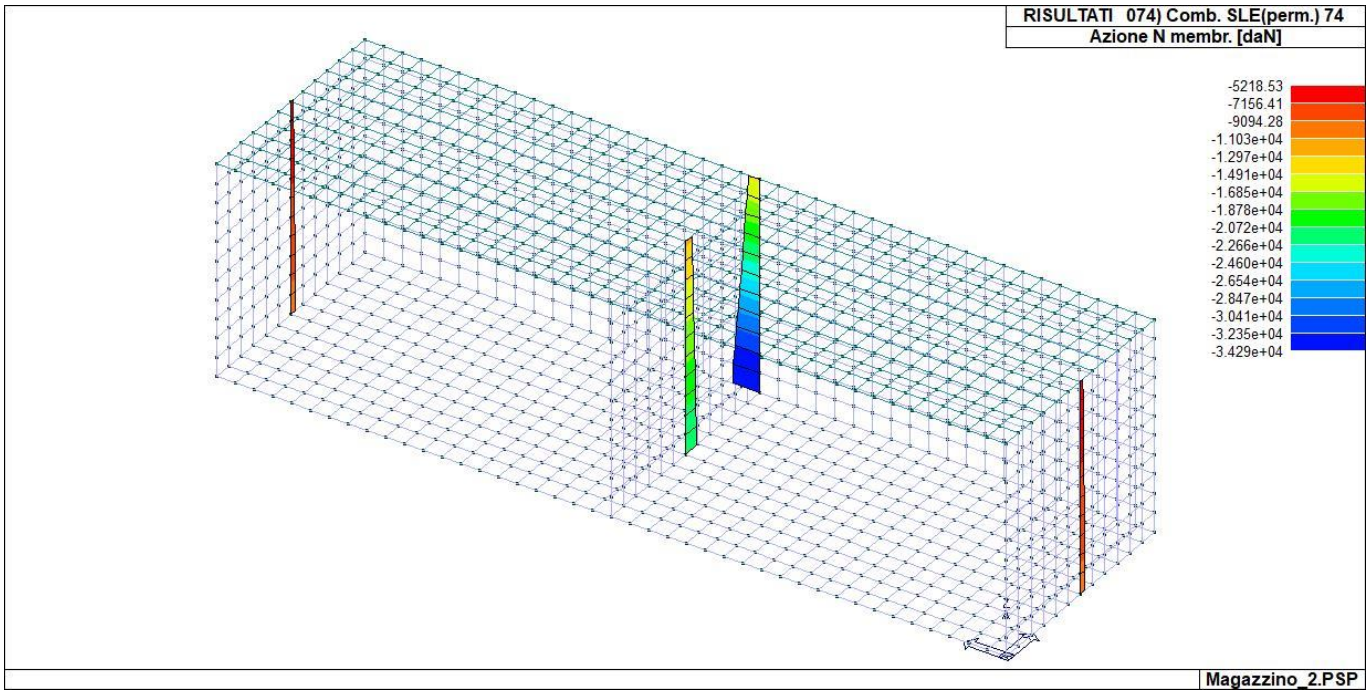
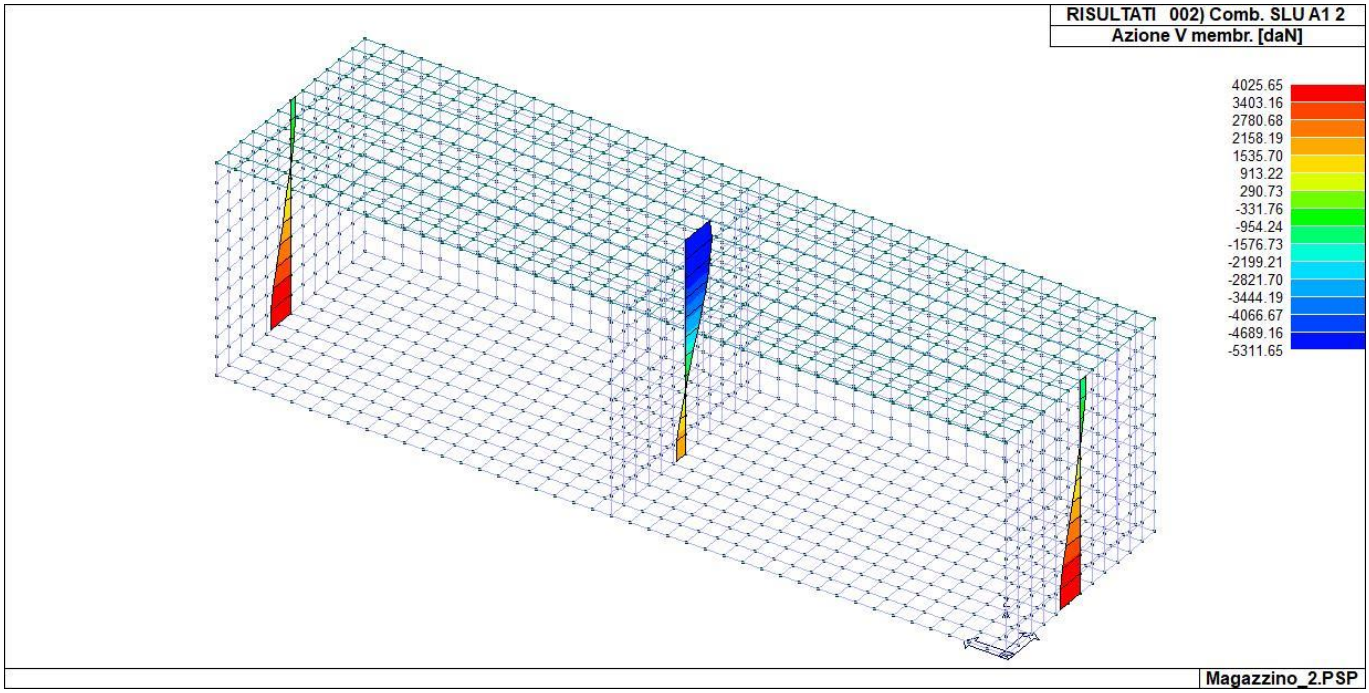


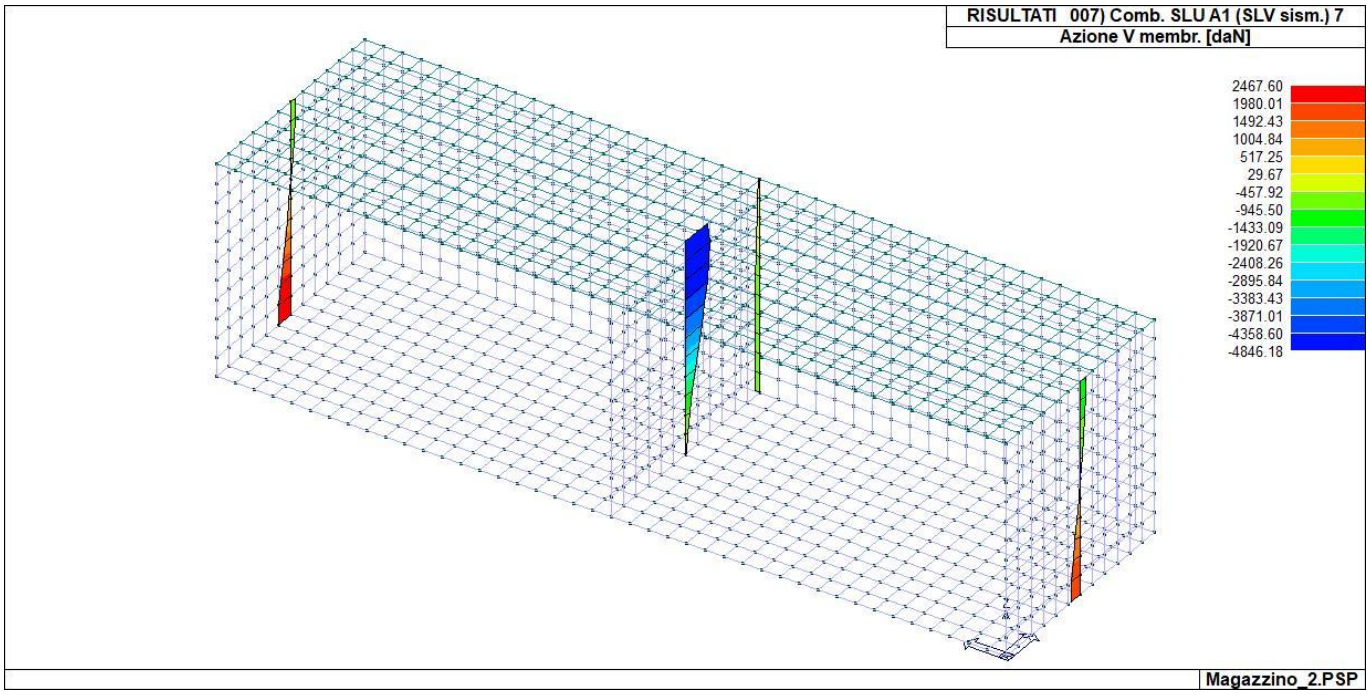
RIS_N_073_Comb. SLE(perm.) 73



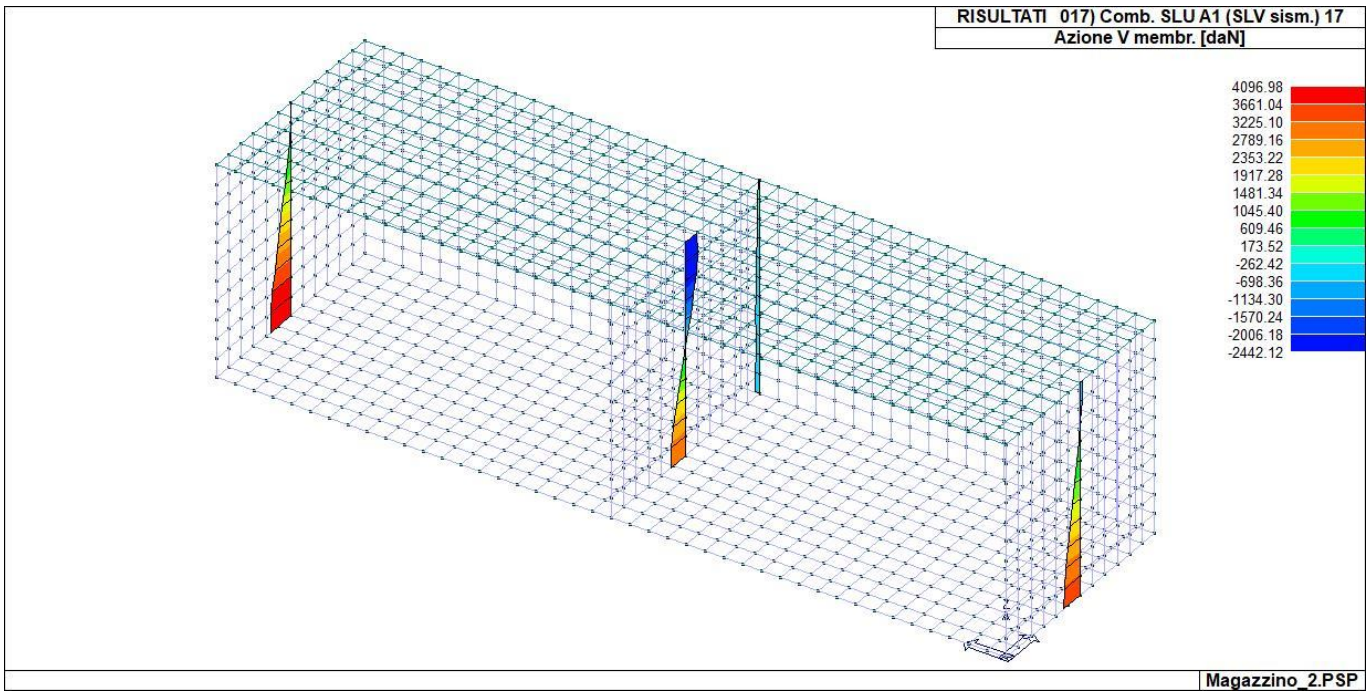
RIS_N_074_Comb. SLE(perm.) 74



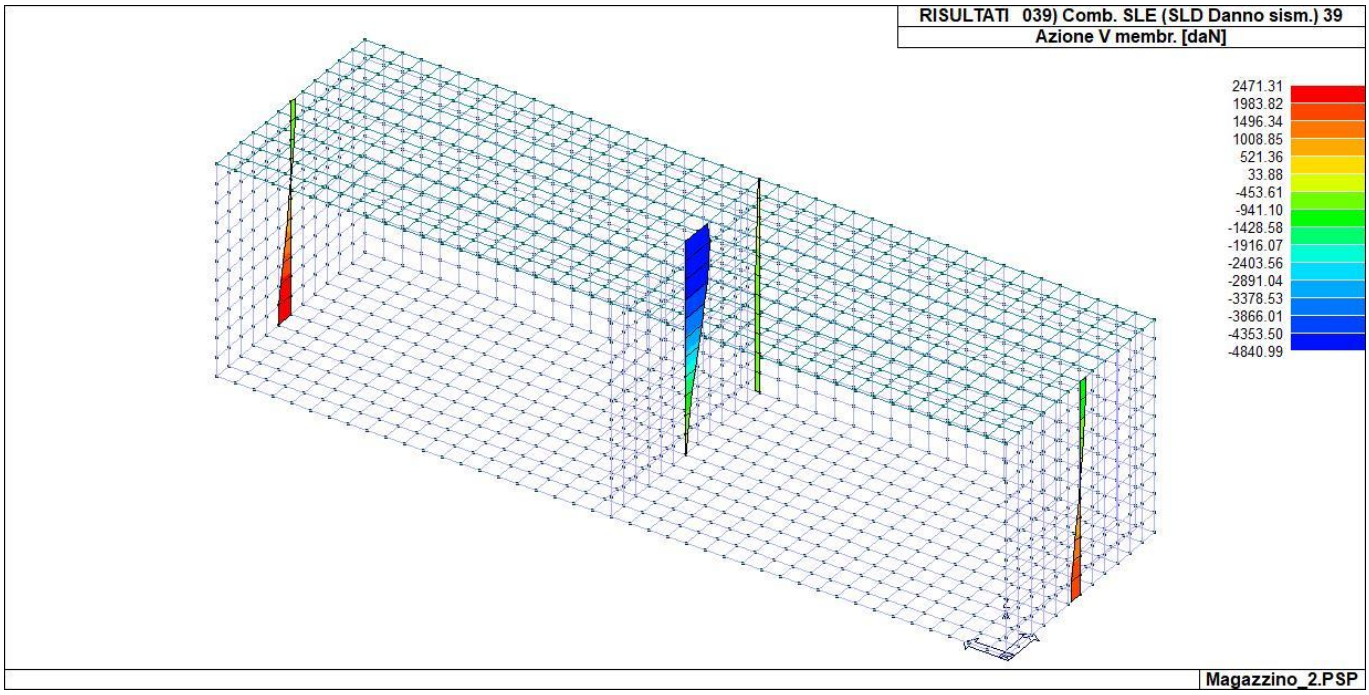
RIS_V_002_Comb. SLU A1 2



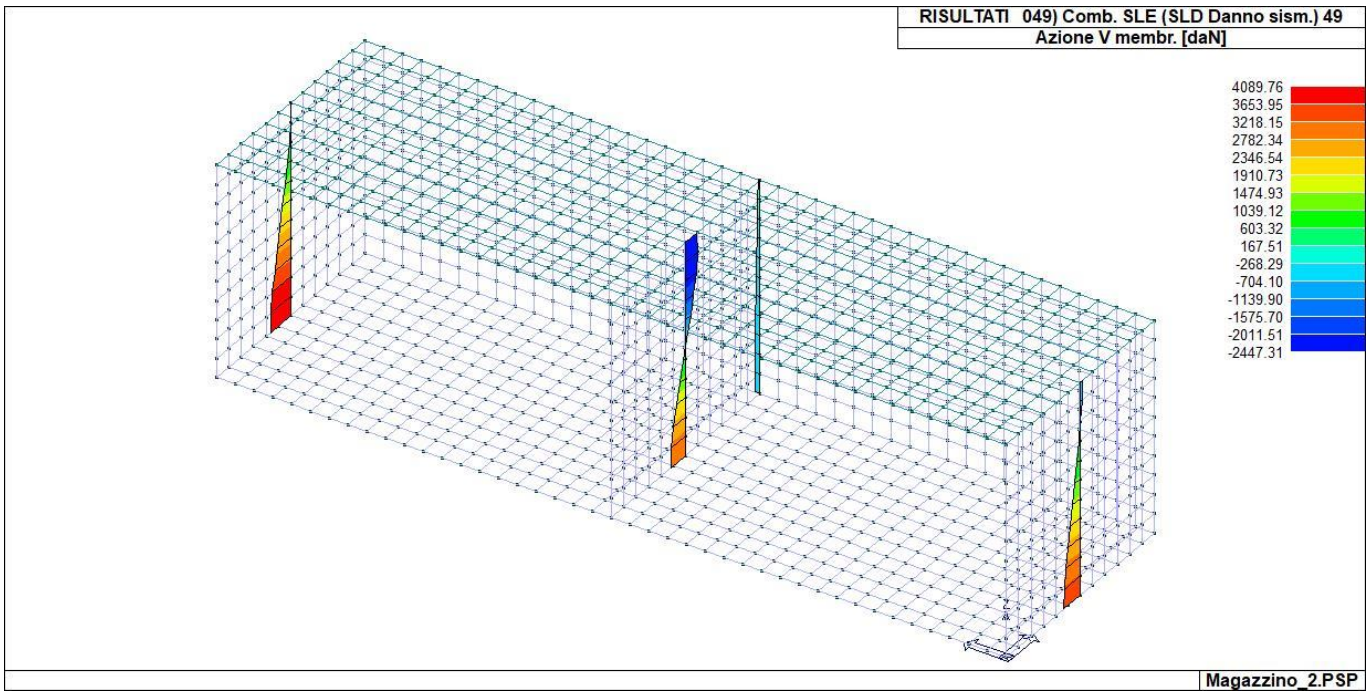
RIS_V_007_Comb. SLU A1 (SLV sism.) 7



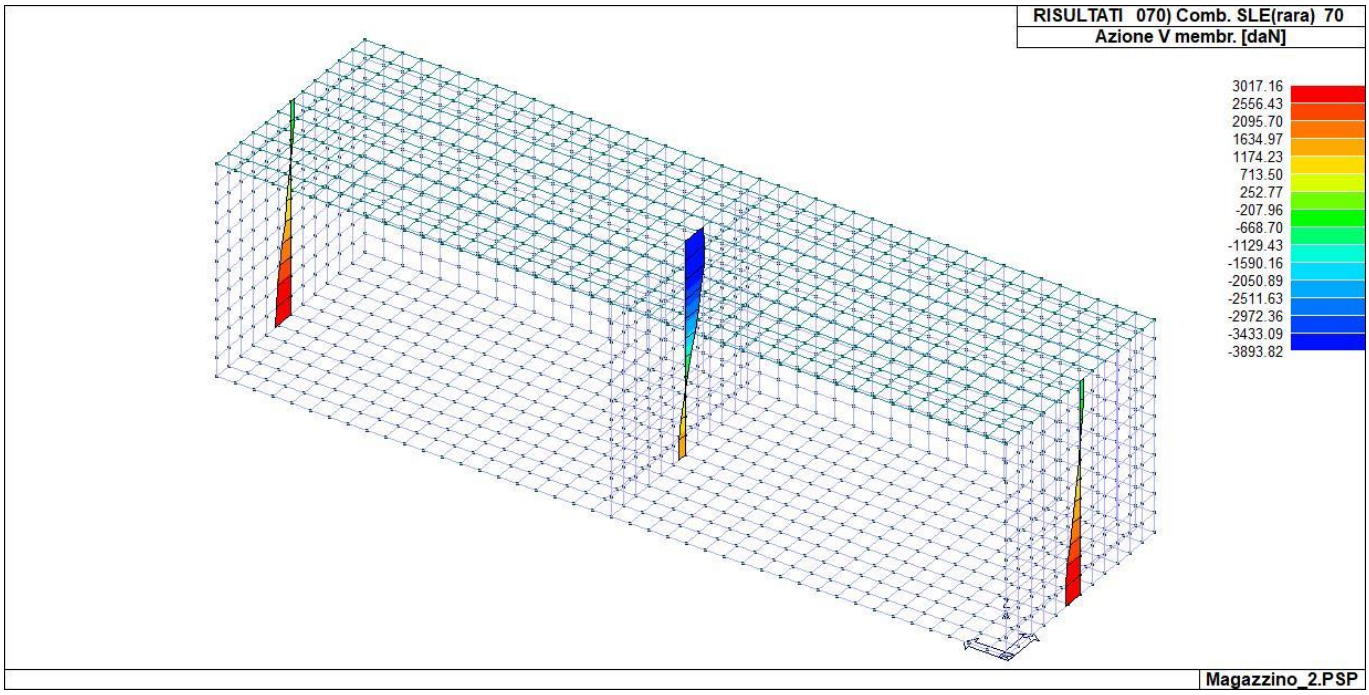
RIS_V_017_Comb. SLU A1 (SLV sism.) 17



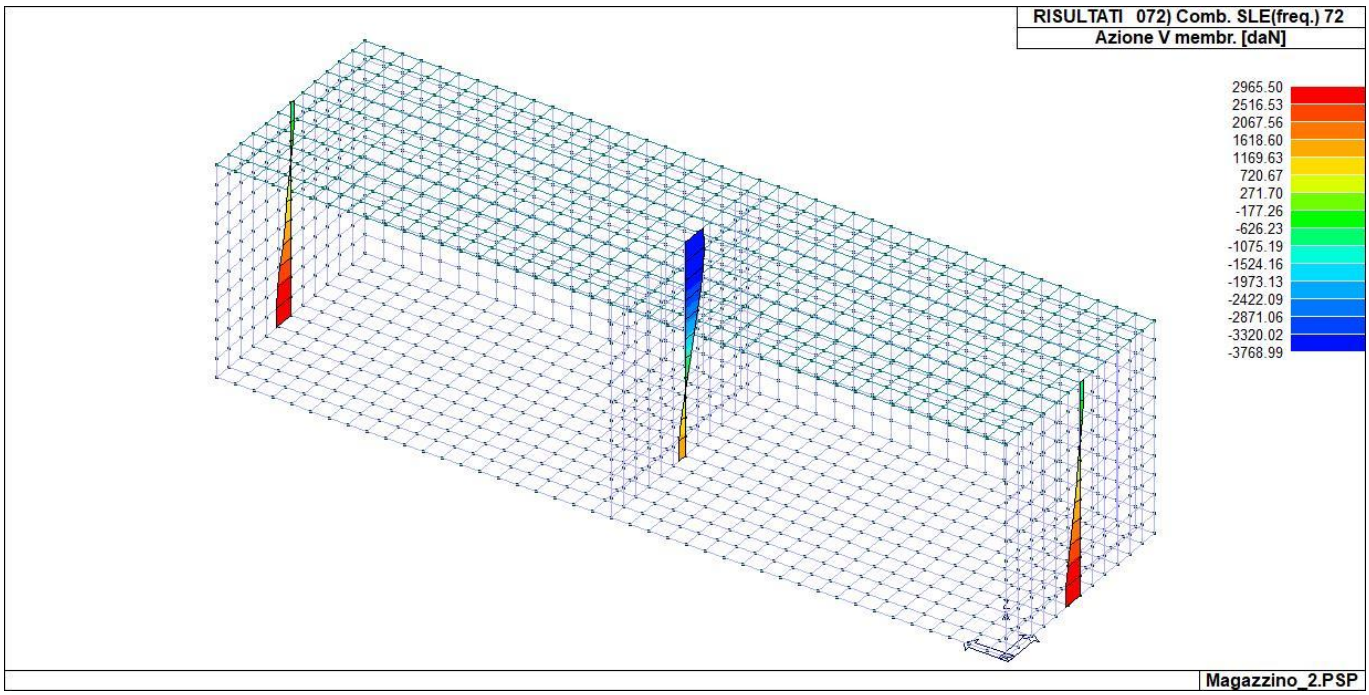
RIS_V_039_Comb. SLE (SLD Danno sism.) 39



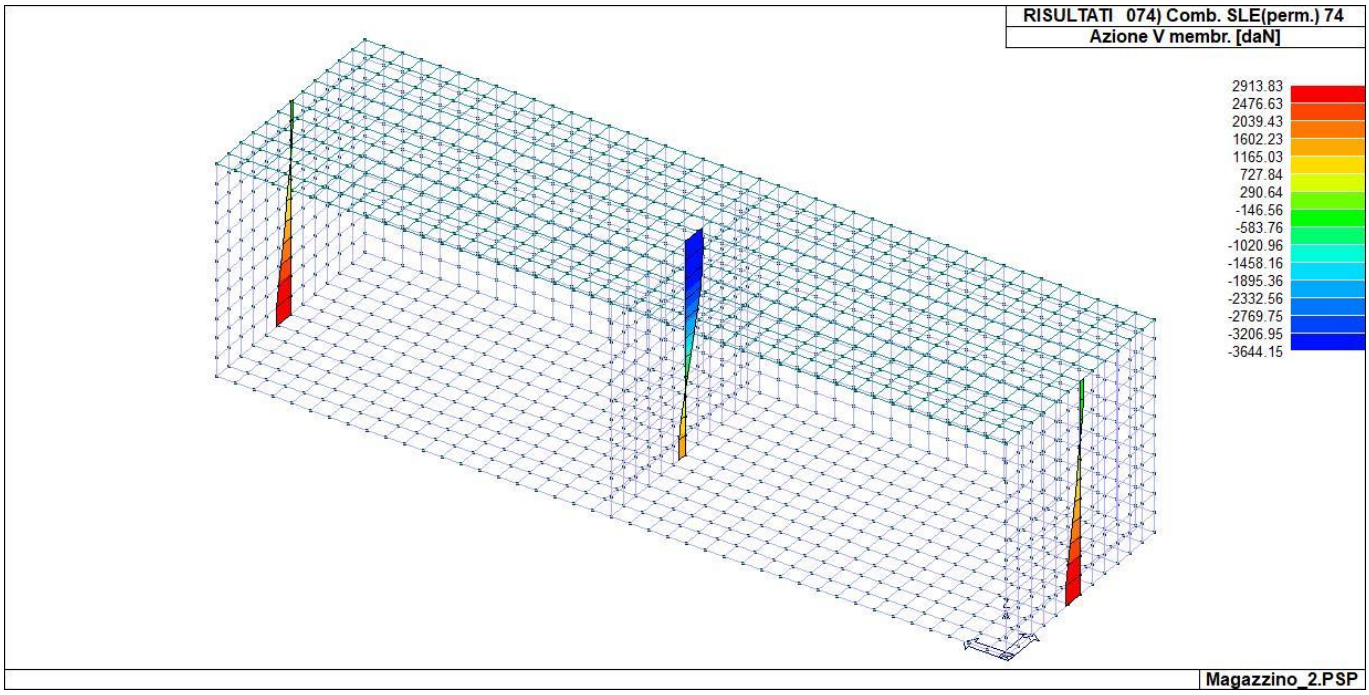
RIS_V_049_Comb. SLE (SLD Danno sism.) 49



RIS_V_070_Comb. SLE(rara) 70



RIS_V_072_Comb. SLE(freq.) 72



47_RIS_V_074_Comb. SLE(perm.) 74

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

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		-49.42	-24.76	-49.35	-21.05		-4458.87	-2011.25	-4458.87	-1121.94
	87.90		10.40	82.18	21.05	1908.32		1253.10	1908.15	1121.94

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

M_G			N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
				-56.47	-17.86	-56.47	-23.89		-1609.66	-454.67	-1609.65	-605.11
			101.69		10.10	95.52	23.89	3969.92		1974.16	3969.92	605.11

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm2	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	2	1	14.27	87.90	4.69	10.40	82.18	21.05	23.64	-1739.56	23.42	-1739.34	19.69
		45	13.27	-2.93	-22.96	-2.95	-22.94	-0.68	-244.99	-1994.83	-258.74	-1981.09	154.48
		46	8.44	26.39	2.87	13.14	16.12	11.67	151.78	-1136.84	-132.80	-852.26	534.53
		7	6.31	38.94	-3.15	-3.14	38.94	0.42	13.81	-749.22	-21.07	-714.34	159.36
1	11	1	12.40	64.56	1.91	8.39	58.08	19.08	2.00	-1595.85	-2.23	-1591.61	82.16
		45	11.97	-1.42	-22.51	-2.26	-21.67	4.13	-180.97	-1771.64	-197.63	-1754.98	161.93
		46	8.09	16.44	-2.59	8.92	4.94	9.30	35.10	-1150.21	-128.62	-986.49	408.97
		7	7.10	29.31	-0.45	-0.34	29.20	1.81	-17.39	-938.22	-52.27	-903.34	175.79
1	43	1	12.40	64.50	1.91	8.39	58.02	19.06	2.00	-1594.85	-2.20	-1590.65	81.74
		45	11.97	-1.43	-22.50	-2.26	-21.66	4.11	-180.99	-1770.54	-197.58	-1753.95	161.56
		46	8.09	16.44	-2.58	8.92	4.94	9.30	35.18	-1149.03	-128.41	-985.43	408.62
		7	7.09	29.26	-0.46	-0.35	29.15	1.80	-17.33	-937.11	-52.09	-902.35	175.39
1	70	1	10.52	64.09	3.36	7.48	59.97	15.27	17.13	-1284.95	16.99	-1284.81	13.52
		45	9.79	-2.31	-16.86	-2.34	-16.84	-0.65	-181.52	-1472.59	-191.08	-1463.03	110.71
		46	6.14	19.11	2.19	9.59	11.71	8.39	101.51	-835.00	-97.18	-636.31	382.89
		7	4.71	28.63	-2.23	-2.23	28.62	0.35	8.93	-562.08	-15.04	-538.11	114.50
1	72	1	10.22	61.80	3.20	7.14	57.86	14.68	16.45	-1250.38	16.32	-1250.26	12.46
		45	9.52	-2.34	-16.35	-2.38	-16.31	-0.73	-177.00	-1432.37	-185.91	-1423.45	105.44
		46	5.92	18.33	2.18	9.26	11.26	8.01	91.73	-809.46	-93.95	-623.78	364.50
		7	4.62	27.76	-2.11	-2.10	27.76	0.37	7.88	-552.87	-14.28	-530.71	109.25
1	74	1	9.93	59.51	3.04	6.80	55.75	14.09	15.76	-1215.82	15.66	-1215.71	11.40
		45	9.24	-2.38	-15.83	-2.43	-15.78	-0.81	-172.47	-1392.16	-180.75	-1383.88	100.16
		46	5.70	17.56	2.18	8.92	10.81	7.63	82.06	-784.03	-90.72	-611.25	346.11
		7	4.53	26.90	-1.99	-1.98	26.89	0.38	6.88	-543.71	-13.52	-523.30	104.00
...													
1866	2	1908	10.31	-2.66	-22.45	-13.37	-11.75	9.87	496.44	-223.72	147.57	125.16	359.90
		1668	3.41	-4.72	-28.76	-15.42	-18.06	11.95	222.45	44.17	194.99	71.64	64.36
		1307	1.40	-3.86	-23.83	-11.23	-16.46	9.63	31.71	-16.90	31.26	-16.45	4.66
		1448	2.87	-8.41	-25.48	-18.39	-15.50	8.41	171.44	11.00	66.59	115.86	76.34
1866	20	1908	7.02	-1.39	-16.02	-8.69	-8.72	7.32	334.06	-153.01	107.27	73.78	242.96
		1668	2.47	-2.65	-21.50	-10.19	-13.96	9.23	157.06	30.66	142.72	45.01	40.09
		1307	1.16	-1.80	-17.57	-6.39	-12.98	7.16	26.55	-17.14	26.46	-17.04	2.04
		1448	1.96	-5.49	-17.25	-11.43	-11.31	5.88	110.90	0.29	46.63	64.55	54.58
1866	52	1908	7.01	-1.41	-16.00	-8.70	-8.71	7.30	333.61	-152.69	107.14	73.78	242.58
		1668	2.47	-2.68	-21.49	-10.22	-13.95	9.22	157.08	30.55	142.63	45.00	40.24
		1307	1.16	-1.81	-17.55	-6.39	-12.97	7.15	26.59	-17.16	26.47	-17.04	2.28
		1448	1.95	-5.50	-17.22	-11.43	-11.29	5.86	110.62	0.53	46.62	64.53	54.31
1866	70	1908	7.49	-1.94	-16.37	-9.82	-8.50	7.18	360.60	-163.12	107.14	90.34	261.73
		1668	2.49	-3.37	-21.06	-11.30	-13.12	8.80	162.48	32.23	142.70	52.01	46.75
		1307	1.04	-2.80	-17.42	-8.15	-12.07	7.04	23.77	-13.11	23.44	-12.78	3.46
		1448	2.08	-6.29	-18.56	-13.53	-11.32	6.04	123.77	7.03	48.05	82.75	55.73
1866	72	1908	7.21	-1.88	-15.78	-9.51	-8.15	6.92	346.78	-157.29	103.00	86.48	251.90
		1668	2.41	-3.20	-20.36	-10.94	-12.62	8.54	156.87	31.10	137.97	50.01	44.95
		1307	1.01	-2.69	-16.82	-7.83	-11.68	6.80	23.37	-13.18	23.05	-12.86	3.37
		1448	1.99	-6.16	-17.89	-13.13	-10.93	5.76	118.50	6.09	45.99	78.60	53.78
1866	74	1908	6.93	-1.81	-15.20	-9.21	-7.80	6.66	332.95	-151.46	98.86	82.62	242.07
		1668	2.32	-3.03	-19.67	-10.58	-12.11	8.29	151.27	29.96	133.23	48.00	43.16
		1307	0.99	-2.57	-16.23	-7.51	-11.30	6.56	22.96	-13.25	22.66	-12.95	3.29
		1448	1.91	-6.04	-17.22	-12.73	-10.54	5.48	113.23	5.16	43.93	74.46	51.84

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
				-184.88	-57.98	-184.64	-26.99		-4467.69	-2011.31	-4467.60	-1163.28
		61.03	127.73		127.50	95.52	32.78	3991.37		1974.17	3991.37	1163.28

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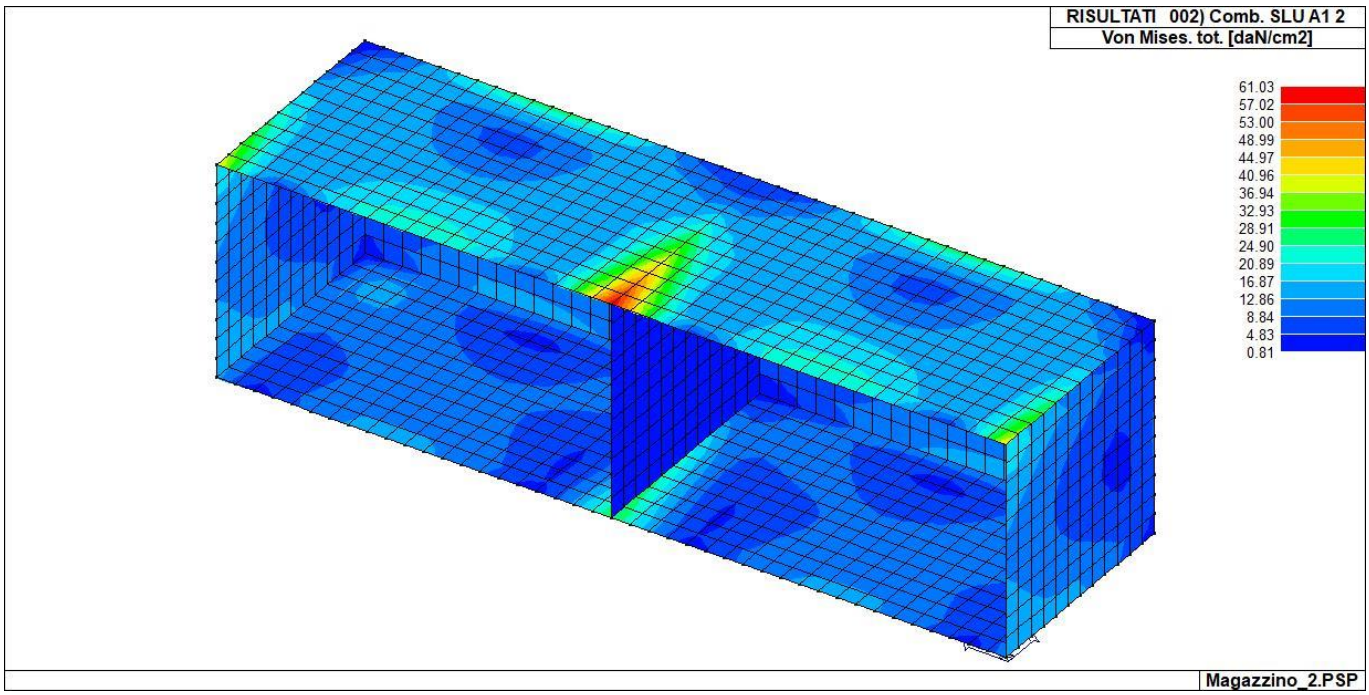
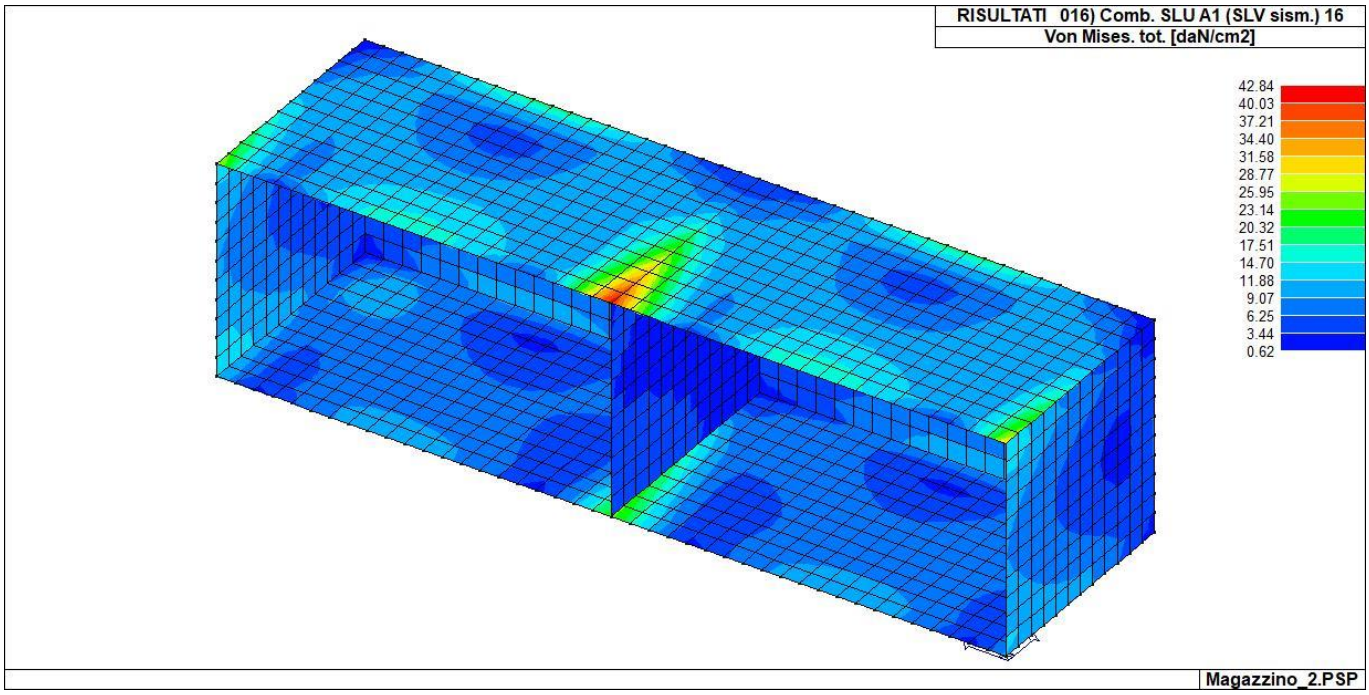
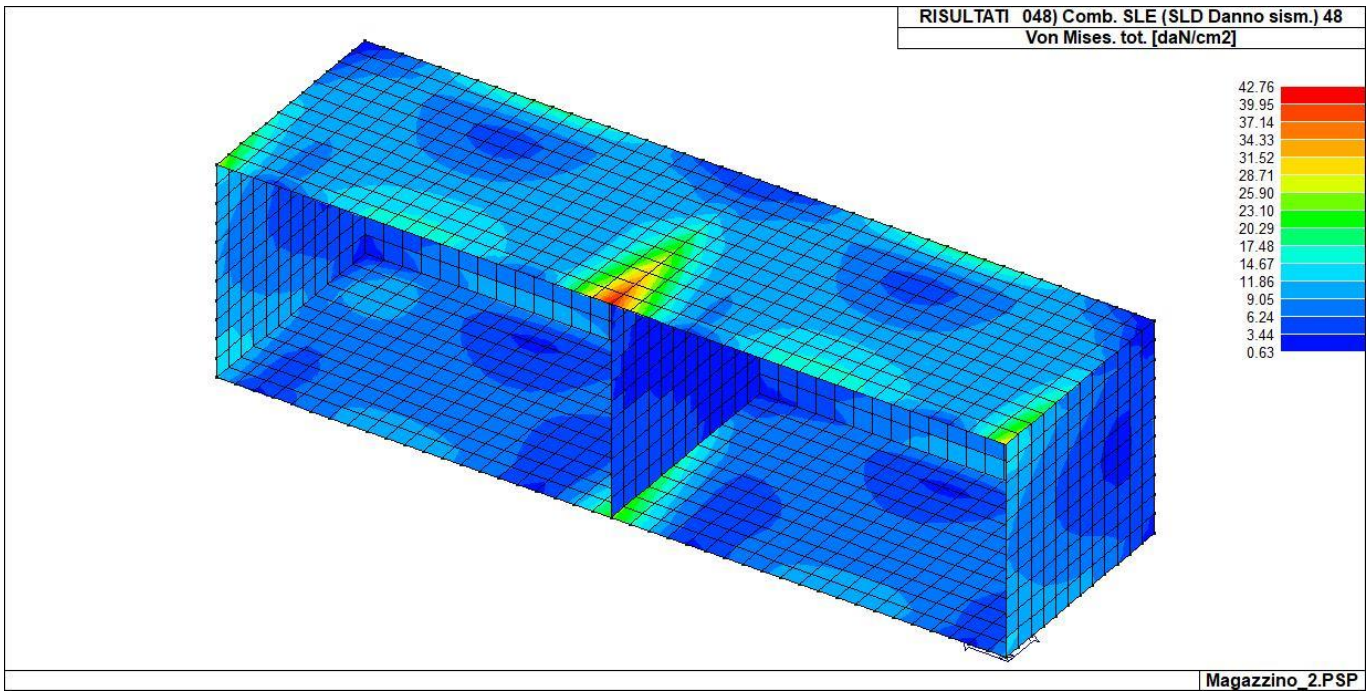
Cod.Fisc.- Part.I.V.A.02533670994



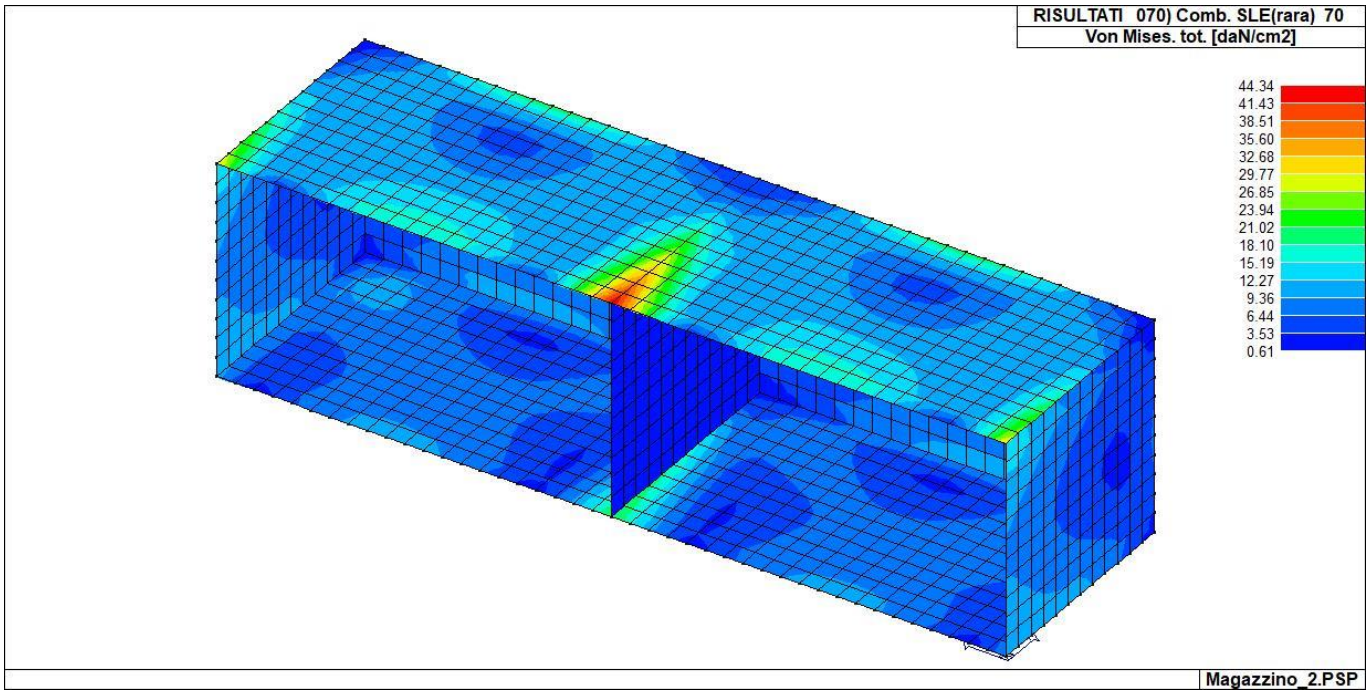
RIS_VONMISES_002_Comb. SLU A1 2



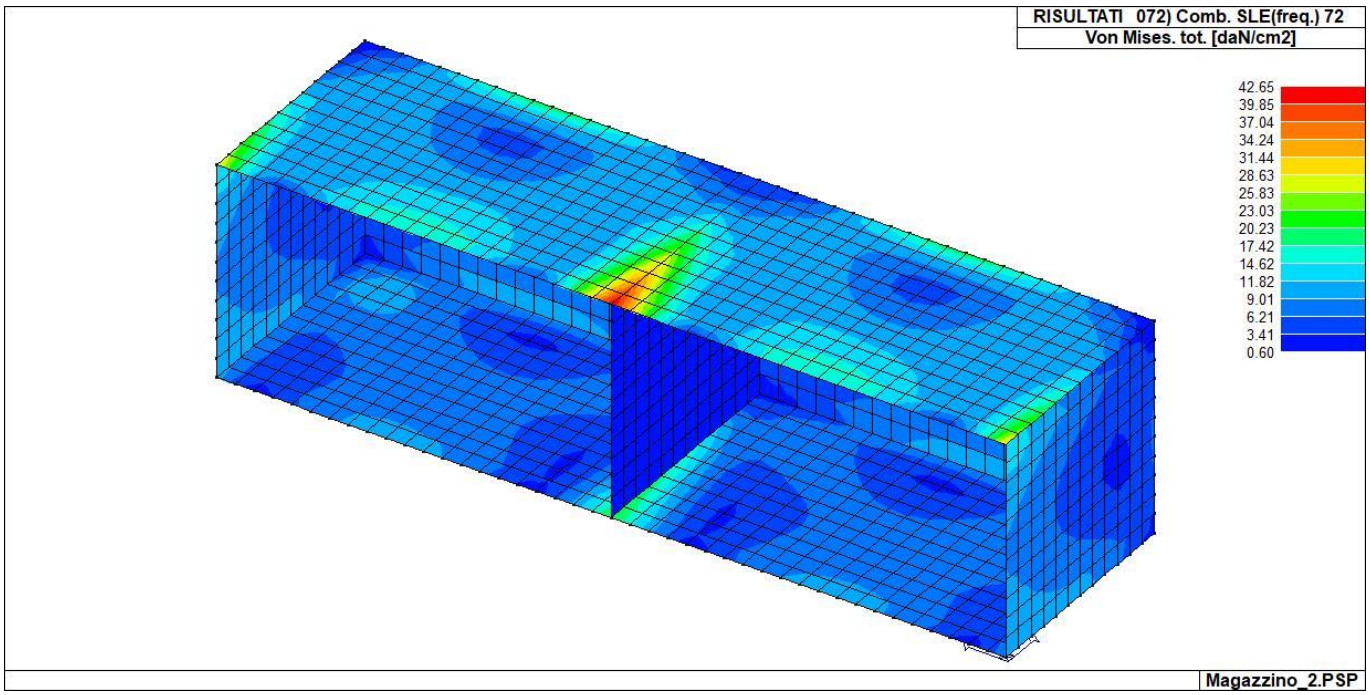
RIS_VONMISES_016_Comb. SLU A1 (SLV sism.) 16



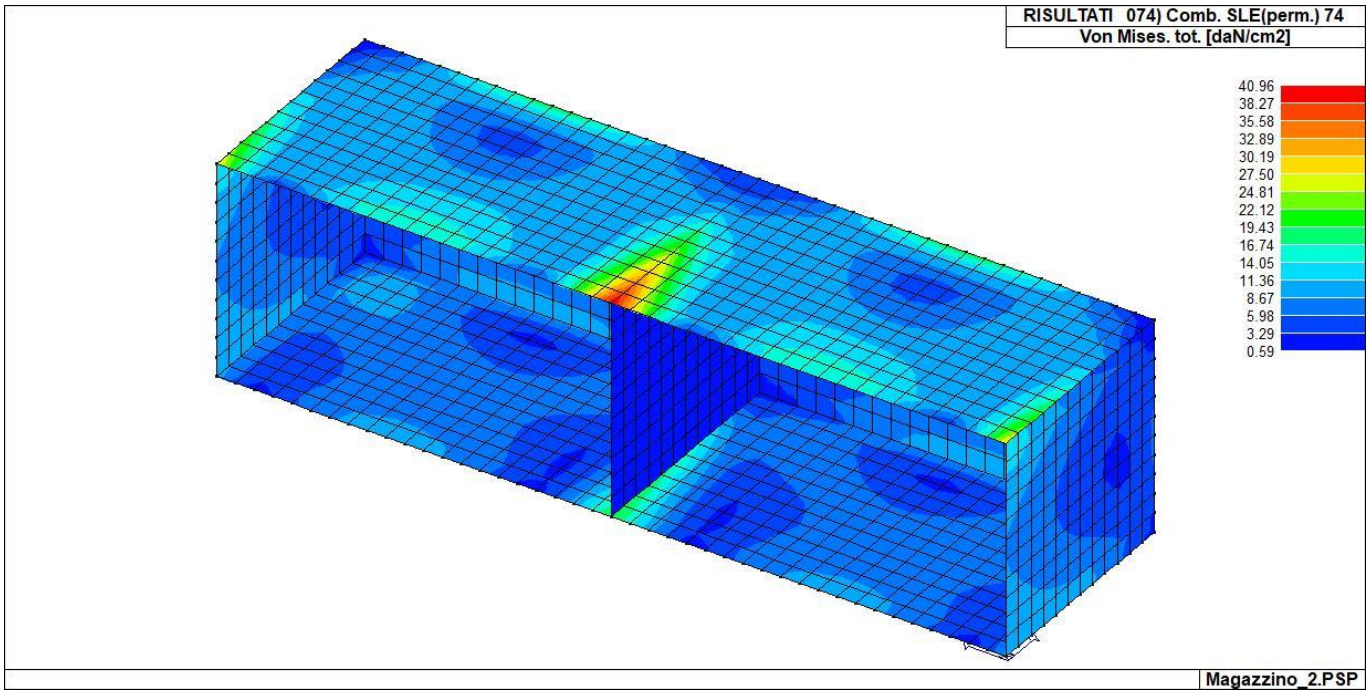
RIS_VONMISES_048_Comb. SLE (SLD Danno sism.) 48



RIS_VONMISES_070_Comb. SLE(rara) 70



RIS_VONMISES_072_Comb. SLE(freq.) 72



RIS_VONMISES_074_Comb. SLE(perm.) 74

09.14 Verifiche elementi parete e/o guscio in c.a.

09.14.1 Legenda tabella verifiche elementi parete e guscio in c.a.

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

Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok e**

NV, il rapporto x/d, la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

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

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

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

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

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

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

Simbologia adottata nelle tabelle di verifica

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

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

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

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

	critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)
Prog. composta	Sigla per la progettazione composta

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

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

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

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

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione per alfaS minore di 2 secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

Quota	Ascissa verticale di riferimento
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore

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

Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura
Vrsd Vacc	Valore della resistenza a taglio trazione (armatura presente)
Vrcd Vacc	Valore della resistenza a taglio compressione
Vdd	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]
A s.i.	Somma delle aree di armature
Incli.	Angolo di inclinazione delle armature
Dist.	Distanza alla base tra le armature inclinate

Quota	Ascissa verticale di riferimento
V[7.4.16]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.16)
N M V	Sollecitazioni di calcolo della condizione più gravosa
Alfas	Rapporto di Taglio
Vrd,c	Resistenza a taglio degli elementi non armati
VRd,s	Resistenza a taglio nei confronti dello scorrimento
V[7.4.17]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.17)
roH	Rapporto tra l'armatura orizzontale e l'area della sezione relativa di calcestruzzo
roV	Rapporto tra l'armatura verticale e l'area della sezione relativa di calcestruzzo
roN	Sforzo normale adimensionalizzato Ned/(bw fyd)

Per la verifica a *Punzonamento* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1
V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0
Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	fattore di amplificazione per le fondazioni (solo per gusci di fondazione)
f. Uout	fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta
Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)
Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armatura in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armatura in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

09.15 Progettazione delle fondazioni

Il D.M.17/01/2018 - par: 7.2.5 prevede:
"Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

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

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

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando le sollecitazioni delle combinazioni con sisma di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.
N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche vengono effettuate dal modulo geotecnico incrementando automaticamente le sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
2	30.00	6	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
2	ok	0.05	0.1	8.60e-03	3.1	3.1	3.1	3.1	-35.4	-5.4	10.7	-2.81e-05	0.0	-1.11e-06
4	ok	0.05	0.1	9.64e-04	3.1	3.1	3.1	3.1	24.8	-3.2	5.0	-5.95e-06	7.14e-06	0.0
276	ok	0.05	0.1	3.18e-02	3.1	3.1	3.1	3.1	-159.1	-28.1	0.9	-3.05e-05	-4.76e-06	-4.03e-06
277	ok	0.05	0.1	2.73e-02	3.1	3.1	3.1	3.1	-136.1	-28.0	7.7	-2.96e-05	-4.77e-06	-2.82e-06
278	ok	0.05	0.1	2.65e-02	3.1	3.1	3.1	3.1	-130.9	-27.0	13.5	-2.77e-05	-5.25e-06	-2.81e-06
279	ok	0.05	9.97e-02	2.66e-02	3.1	3.1	3.1	3.1	-130.3	-28.0	17.9	-2.56e-05	-5.29e-06	-2.90e-06
280	ok	0.05	9.35e-02	2.70e-02	3.1	3.1	3.1	3.1	-131.3	-30.1	20.4	-2.35e-05	-5.09e-06	-3.02e-06
281	ok	0.05	8.73e-02	2.71e-02	3.1	3.1	3.1	3.1	-131.4	-32.4	21.1	-2.14e-05	-4.75e-06	-3.14e-06
282	ok	0.05	8.06e-02	2.64e-02	3.1	3.1	3.1	3.1	-128.2	-33.8	20.0	-1.92e-05	-4.27e-06	-3.23e-06
283	ok	0.05	7.29e-02	2.45e-02	3.1	3.1	3.1	3.1	-119.0	-33.2	17.6	-1.69e-05	-3.58e-06	-3.24e-06
284	ok	0.05	6.28e-02	2.07e-02	3.1	3.1	3.1	3.1	-101.0	-29.8	14.2	-1.44e-05	-2.57e-06	-3.13e-06
285	ok	0.05	4.85e-02	1.46e-02	3.1	3.1	3.1	3.1	-70.9	-22.9	10.5	-1.15e-05	0.0	-2.80e-06
286	ok	0.05	2.54e-02	6.82e-03	3.1	3.1	3.1	3.1	-27.2	-12.8	-12.2	-6.62e-06	2.33e-06	-2.30e-06
288	ok	0.05	7.72e-02	1.05e-02	3.1	3.1	3.1	3.1	-36.4	2.8	-29.9	-2.60e-05	0.0	0.0
290	ok	0.05	2.26e-02	9.42e-03	3.1	3.1	3.1	3.1	-10.3	-32.6	-23.2	0.0	1.21e-06	0.0
291	ok	0.05	0.1	2.61e-02	3.1	3.1	3.1	3.1	-124.8	13.0	15.8	-2.72e-05	0.0	-1.14e-05
292	ok	0.05	0.1	1.62e-02	3.1	3.1	3.1	3.1	-80.0	5.7	9.1	-3.20e-05	0.0	-2.71e-06
293	ok	0.05	0.1	2.73e-02	3.1	3.1	3.1	3.1	-135.9	-5.5	11.7	-2.54e-05	-3.68e-06	-1.04e-05
294	ok	0.05	0.1	2.71e-02	3.1	3.1	3.1	3.1	-134.2	-11.6	14.1	-2.37e-05	-4.48e-06	-1.05e-05
295	ok	0.05	0.1	2.70e-02	3.1	3.1	3.1	3.1	-132.6	-13.6	17.2	-2.19e-05	-4.66e-06	-1.08e-05
296	ok	0.05	9.36e-02	2.69e-02	3.1	3.1	3.1	3.1	-131.8	-13.4	18.8	-1.98e-05	-4.51e-06	-1.12e-05
297	ok	0.05	8.73e-02	2.65e-02	3.1	3.1	3.1	3.1	-129.9	-11.8	18.2	-1.76e-05	-4.11e-06	-1.15e-05
298	ok	0.05	8.05e-02	2.53e-02	3.1	3.1	3.1	3.1	-124.8	-9.0	15.5	-1.51e-05	-3.48e-06	-1.17e-05
299	ok	0.05	7.23e-02	2.30e-02	3.1	3.1	3.1	3.1	-114.1	-5.1	10.8	-1.24e-05	-2.55e-06	-1.16e-05
300	ok	0.05	6.16e-02	1.91e-02	3.1	3.1	3.1	3.1	-94.7	3.03e-02	-6.7	-9.26e-06	-1.08e-06	-1.08e-05
301	ok	0.05	4.69e-02	1.36e-02	3.1	3.1	3.1	3.1	-65.7	5.2	-12.8	-5.74e-06	1.18e-06	-9.11e-06
302	ok	0.05	6.05e-02	6.41e-03	3.1	3.1	3.1	3.1	-26.3	9.1	-15.4	-2.00e-06	4.70e-06	-5.82e-06
303	ok	0.05	0.1	0.0	3.1	3.1	3.1	3.1	23.7	15.5	-7.4	0.0	1.15e-05	0.0
304	ok	0.05	9.88e-02	2.48e-02	3.1	3.1	3.1	3.1	-122.3	2.4	15.2	-2.35e-05	-1.46e-06	-7.13e-06
305	ok	0.05	9.92e-02	2.17e-02	3.1	3.1	3.1	3.1	-108.6	-0.2	2.6	-2.42e-05	0.0	-1.72e-06
306	ok	0.05	9.54e-02	2.67e-02	3.1	3.1	3.1	3.1	-131.9	2.5	15.2	-2.19e-05	-3.08e-06	-7.88e-06
307	ok	0.05	9.14e-02	2.68e-02	3.1	3.1	3.1	3.1	-132.7	9.80e-02	14.4	-2.02e-05	-4.02e-06	-8.12e-06
308	ok	0.05	8.67e-02	2.65e-02	3.1	3.1	3.1	3.1	-131.0	-0.7	14.4	-1.83e-05	-4.35e-06	-8.34e-06
309	ok	0.05	8.15e-02	2.60e-02	3.1	3.1	3.1	3.1	-128.6	0.7	13.7	-1.63e-05	-4.20e-06	-8.59e-06
310	ok	0.05	7.59e-02	2.51e-02	3.1	3.1	3.1	3.1	-124.6	3.8	11.5	-1.41e-05	-3.68e-06	-8.77e-06
311	ok	0.05	6.91e-02	2.35e-02	3.1	3.1	3.1	3.1	-117.4	7.9	7.5	-1.16e-05	-2.74e-06	-8.79e-06
312	ok	0.05	6.07e-02	2.10e-02	3.1	3.1	3.1	3.1	-105.2	12.7	1.9	-8.87e-06	-1.28e-06	-8.49e-06
313	ok	0.05	7.38e-02	1.73e-02	3.1	3.1	3.1	3.1	-86.0	17.5	-7.5	-5.95e-06	1.01e-06	-7.69e-06

314	ok	0.05	9.72e-02	1.21e-02	3.1	3.1	3.1	3.1	-58.8	21.7	-12.8	-2.96e-06	4.50e-06	-6.20e-06
315	ok	0.05	0.1	5.58e-03	3.1	3.1	3.1	3.1	-23.7	25.6	-15.1	0.0	9.88e-06	-3.75e-06
316	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	21.9	30.2	-12.6	2.14e-06	1.80e-05	0.0
317	ok	0.05	8.43e-02	2.53e-02	3.1	3.1	3.1	3.1	-125.4	1.5	12.1	-2.02e-05	-1.34e-06	-5.63e-06
318	ok	0.05	8.38e-02	2.47e-02	3.1	3.1	3.1	3.1	-123.5	-0.5	1.9	-2.06e-05	0.0	-1.36e-06
319	ok	0.05	8.13e-02	2.61e-02	3.1	3.1	3.1	3.1	-128.8	4.0	14.9	-1.88e-05	-2.79e-06	-6.26e-06
320	ok	0.05	7.81e-02	2.61e-02	3.1	3.1	3.1	3.1	-129.4	5.5	14.3	-1.72e-05	-3.69e-06	-6.50e-06
321	ok	0.05	7.44e-02	2.57e-02	3.1	3.1	3.1	3.1	-127.4	7.2	12.8	-1.55e-05	-4.02e-06	-6.67e-06
322	ok	0.05	7.02e-02	2.49e-02	3.1	3.1	3.1	3.1	-123.9	10.0	10.5	-1.35e-05	-3.84e-06	-6.80e-06
323	ok	0.05	6.52e-02	2.37e-02	3.1	3.1	3.1	3.1	-118.3	13.9	7.1	-1.13e-05	-3.18e-06	-6.86e-06
324	ok	0.05	7.66e-02	2.19e-02	3.1	3.1	3.1	3.1	-109.7	18.4	2.4	-8.88e-06	-2.00e-06	-6.76e-06
325	ok	0.05	9.63e-02	1.93e-02	3.1	3.1	3.1	3.1	-96.5	23.1	-5.7	-6.27e-06	0.0	-6.42e-06
326	ok	0.05	0.1	1.57e-02	3.1	3.1	3.1	3.1	-77.6	27.4	-11.5	-3.56e-06	2.71e-06	-5.74e-06
327	ok	0.05	0.1	1.11e-02	3.1	3.1	3.1	3.1	-52.3	31.0	-16.2	0.0	6.91e-06	-4.64e-06
328	ok	0.05	0.2	5.25e-03	3.1	3.1	3.1	3.1	-20.8	33.9	-18.3	1.42e-06	1.31e-05	-3.02e-06
329	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	18.8	36.8	-15.9	3.52e-06	2.16e-05	0.0
330	ok	0.05	7.21e-02	2.58e-02	3.1	3.1	3.1	3.1	-128.7	1.2	9.2	-1.77e-05	-1.25e-06	-4.37e-06
331	ok	0.05	7.14e-02	2.66e-02	3.1	3.1	3.1	3.1	-133.3	-0.5	1.6	-1.82e-05	0.0	-1.06e-06
332	ok	0.05	6.95e-02	2.56e-02	3.1	3.1	3.1	3.1	-127.2	4.4	12.1	-1.65e-05	-2.61e-06	-4.84e-06
333	ok	0.05	6.69e-02	2.53e-02	3.1	3.1	3.1	3.1	-125.6	7.7	11.8	-1.50e-05	-3.44e-06	-5.01e-06
334	ok	0.05	6.38e-02	2.46e-02	3.1	3.1	3.1	3.1	-122.6	11.1	9.8	-1.33e-05	-3.72e-06	-5.10e-06
335	ok	0.05	6.40e-02	2.36e-02	3.1	3.1	3.1	3.1	-118.1	15.0	6.7	-1.14e-05	-3.48e-06	-5.13e-06
336	ok	0.05	8.04e-02	2.23e-02	3.1	3.1	3.1	3.1	-111.4	19.3	2.6	-9.27e-06	-2.71e-06	-5.09e-06
337	ok	0.05	9.94e-02	2.03e-02	3.1	3.1	3.1	3.1	-101.7	23.8	-4.8	-6.95e-06	-1.33e-06	-4.93e-06
338	ok	0.05	0.1	1.78e-02	3.1	3.1	3.1	3.1	-88.2	28.2	-10.1	-4.50e-06	0.0	-4.63e-06
339	ok	0.05	0.1	1.44e-02	3.1	3.1	3.1	3.1	-70.0	32.0	-15.2	-2.01e-06	3.91e-06	-4.15e-06
340	ok	0.05	0.2	1.01e-02	3.1	3.1	3.1	3.1	-46.5	34.9	-19.0	0.0	8.40e-06	-3.51e-06
341	ok	0.05	0.2	4.98e-03	3.1	3.1	3.1	3.1	-18.2	36.9	-20.4	2.38e-06	1.47e-05	-2.68e-06
342	ok	0.05	0.2	2.15e-04	3.1	3.1	3.1	3.1	16.0	38.8	-18.0	4.21e-06	2.29e-05	0.0
343	ok	0.05	6.16e-02	2.61e-02	3.1	3.1	3.1	3.1	-130.6	1.1	6.4	-1.62e-05	-1.18e-06	-3.19e-06
344	ok	0.05	6.13e-02	2.78e-02	3.1	3.1	3.1	3.1	-139.1	-0.5	1.4	-1.65e-05	0.0	0.0
345	ok	0.05	5.90e-02	2.52e-02	3.1	3.1	3.1	3.1	-125.7	4.4	8.4	-1.50e-05	-2.47e-06	-3.50e-06
346	ok	0.05	5.66e-02	2.44e-02	3.1	3.1	3.1	3.1	-121.7	8.3	8.0	-1.35e-05	-3.24e-06	-3.58e-06
347	ok	0.05	5.38e-02	2.35e-02	3.1	3.1	3.1	3.1	-117.3	12.4	5.8	-1.19e-05	-3.46e-06	-3.59e-06
348	ok	0.05	6.99e-02	2.23e-02	3.1	3.1	3.1	3.1	-111.7	16.7	2.3	-1.00e-05	-3.15e-06	-3.54e-06
349	ok	0.05	8.85e-02	2.08e-02	3.1	3.1	3.1	3.1	-104.1	21.2	-4.4	-7.97e-06	-2.30e-06	-3.42e-06
350	ok	0.05	0.1	1.89e-02	3.1	3.1	3.1	3.1	-94.0	25.6	-9.3	-5.77e-06	0.0	-3.25e-06
351	ok	0.05	0.1	1.65e-02	3.1	3.1	3.1	3.1	-80.6	29.7	-14.2	-3.47e-06	1.38e-06	-3.04e-06
352	ok	0.05	0.2	1.33e-02	3.1	3.1	3.1	3.1	-63.3	33.1	-18.4	-1.18e-06	4.55e-06	-2.80e-06
353	ok	0.05	0.2	9.41e-03	3.1	3.1	3.1	3.1	-41.7	35.6	-21.2	0.0	8.99e-06	-2.62e-06
354	ok	0.05	0.2	4.78e-03	3.1	3.1	3.1	3.1	-16.2	37.2	-21.8	2.77e-06	1.50e-05	-2.50e-06
355	ok	0.05	0.2	6.90e-04	3.1	3.1	3.1	3.1	14.1	38.8	-19.5	4.42e-06	2.27e-05	0.0
356	ok	0.05	5.19e-02	2.61e-02	3.1	3.1	3.1	3.1	-130.7	1.0	3.8	-1.54e-05	-1.15e-06	-2.05e-06
357	ok	0.05	5.24e-02	2.82e-02	3.1	3.1	3.1	3.1	-141.4	-0.4	1.3	-1.58e-05	0.0	0.0
358	ok	0.05	4.94e-02	2.47e-02	3.1	3.1	3.1	3.1	-123.5	4.1	4.6	-1.42e-05	-2.38e-06	-2.20e-06
359	ok	0.05	4.71e-02	2.35e-02	3.1	3.1	3.1	3.1	-117.7	7.9	3.8	-1.28e-05	-3.08e-06	-2.20e-06
360	ok	0.05	5.07e-02	2.23e-02	3.1	3.1	3.1	3.1	-111.8	12.0	1.5	-1.12e-05	-3.24e-06	-2.13e-06
361	ok	0.05	6.83e-02	2.10e-02	3.1	3.1	3.1	3.1	-105.1	16.2	-4.5	-9.35e-06	-2.87e-06	-2.01e-06
362	ok	0.05	8.76e-02	1.95e-02	3.1	3.1	3.1	3.1	-96.9	20.4	-8.9	-7.37e-06	-1.98e-06	-1.85e-06
363	ok	0.05	0.1	1.76e-02	3.1	3.1	3.1	3.1	-86.7	24.5	-13.5	-5.27e-06	0.0	-1.69e-06
364	ok	0.05	0.1	1.53e-02	3.1	3.1	3.1	3.1	-73.7	28.3	-17.9	-3.10e-06	1.63e-06	-1.58e-06
365	ok	0.05	0.2	1.25e-02	3.1	3.1	3.1	3.1	-57.6	31.6	-21.4	0.0	4.65e-06	-1.59e-06
366	ok	0.05	0.2	8.93e-03	3.1	3.1	3.1	3.1	-37.9	34.1	-23.3	1.04e-06	8.78e-06	-1.84e-06
367	ok	0.05	0.2	4.73e-03	3.1	3.1	3.1	3.1	-14.8	35.9	-23.1	2.74e-06	1.43e-05	-2.33e-06
368	ok	0.05	0.2	1.06e-03	3.1	3.1	3.1	3.1	13.3	37.7	-20.9	4.27e-06	2.12e-05	0.0
369	ok	0.05	5.50e-02	2.58e-02	3.1	3.1	3.1	3.1	-129.1	0.9	1.3	-1.54e-05	-1.16e-06	0.0
370	ok	0.05	5.54e-02	2.81e-02	3.1	3.1	3.1	3.1	-140.6	-0.4	1.2	-1.58e-05	0.0	0.0
371	ok	0.05	5.27e-02	2.41e-02	3.1	3.1	3.1	3.1	-120.8	3.8	1.2	-1.42e-05	-2.35e-06	0.0
372	ok	0.05	5.06e-02	2.27e-02	3.1	3.1	3.1	3.1	-113.4	7.0	-2.4	-1.27e-05	-2.99e-06	0.0
373	ok	0.05	4.88e-02	2.12e-02	3.1	3.1	3.1	3.1	-106.1	10.4	-4.9	-1.11e-05	-3.07e-06	0.0
374	ok	0.05	6.15e-02	1.98e-02	3.1	3.1	3.1	3.1	-98.4	14.0	-8.6	-9.32e-06	-2.66e-06	0.0
375	ok	0.05	8.03e-02	1.82e-02	3.1	3.1	3.1	3.1	-89.8	17.7	-12.9	-7.38e-06	-1.78e-06	0.0
376	ok	0.05	0.1	1.65e-02	3.1	3.1	3.1	3.1	-79.7	21.4	-17.4	-5.35e-06	0.0	0.0
377	ok	0.05	0.1	1.44e-02	3.1	3.1	3.1	3.1	-67.4	24.7	-21.4	-3.28e-06	1.58e-06	0.0
378	ok	0.05	0.1	1.18e-02	3.1	3.1	3.1	3.1	-52.5	27.8	-24.4	-1.24e-06	4.27e-06	0.0
379	ok	0.05	0.2	8.73e-03	3.1	3.1	3.1	3.1	-34.8	30.5	-25.7	0.0	7.87e-06	-1.04e-06
380	ok	0.05	0.2	4.92e-03	3.1	3.1	3.1	3.1	-13.9	32.9	-24.9	2.36e-06	1.26e-05	-2.05e-06
381	ok	0.05	0.2	1.44e-03	3.1	3.1	3.1	3.1	13.1	35.6	-22.5	3.82e-06	1.87e-05	-1.03e-06
382	ok	0.05	6.21e-02	2.52e-02	3.1	3.1	3.1	3.1	-125.7	1.1	-3.7	-1.64e-05	-1.07e-06	0.0
383	ok	0.05	6.23e-02	2.73e-02	3.1	3.1	3.1	3.1	-136.6	-0.4	1.1	-1.67e-05	0.0	0.0
384	ok	0.05	5.92e-02	2.35e-02	3.1	3.1	3.1	3.1	-117.8	3.7	-4.1	-1.50e-05	-2.39e-06	0.0
385	ok	0.05	5.65e-02	2.18e-02	3.1	3.1	3.1	3.1	-109.1	5.7	-5.1	-1.34e-05	-2.96e-06	0.0
386	ok	0.05	5.38e-02	2.01e-02	3.1	3.1	3.1	3.1	-100.2	7.9	-7.9	-1.17e-05	-2.96e-06	0.0
387	ok	0.05	5.10e-02	1.86e-02	3.1	3.1	3.1	3.1	-91.7	10.6	-12.0	-9.85e-06	-2.52e-06	0.0
388	ok	0.05	6.84e-02	1.71e-02	3.1	3.1	3.1	3.1	-82.8	13.6	-16.4	-7.91e-06	-1.68e-06	1.16e-06
389	ok	0.05	8.78e-02	1.55e-02	3.1	3.1	3.1	3.1	-72.9	16.5	-20.6	-5.92e-06	0.0	1.26e-06
390	ok	0.05	0.1	1.36e-02	3.1	3.1	3.1	3.1	-61.3	19.1	-24.3	-3.90e-06	1.26e-06	1.17e-06
391	ok	0.05	0.1	1.14e-02	3.1	3.1	3.1	3.1	-47.8	21.6	-27.2	-1.93e-06	3.50e-06	0.0

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392	ok	0.05	0.2	8.79e-03	3.1	3.1	3.1	3.1	-32.1	24.3	-28.5	0.0	6.39e-06	0.0
393	ok	0.05	0.2	5.47e-03	3.1	3.1	3.1	3.1	-13.5	27.3	-27.6	1.66e-06	1.01e-05	-1.57e-06
394	ok	0.05	0.2	1.99e-03	3.1	3.1	3.1	3.1	12.9	30.8	-24.5	3.07e-06	1.51e-05	-1.08e-06
395	ok	0.05	6.92e-02	2.46e-02	3.1	3.1	3.1	3.1	-121.9	2.3	-7.3	-1.83e-05	-1.19e-06	1.85e-06
396	ok	0.05	6.86e-02	2.55e-02	3.1	3.1	3.1	3.1	-127.8	-0.5	0.5	-1.88e-05	0.0	0.0
397	ok	0.05	6.59e-02	2.32e-02	3.1	3.1	3.1	3.1	-115.9	4.2	-5.3	-1.65e-05	-2.56e-06	1.93e-06
398	ok	0.05	6.19e-02	2.09e-02	3.1	3.1	3.1	3.1	-104.3	3.7	-6.0	-1.47e-05	-3.02e-06	2.04e-06
399	ok	0.05	5.80e-02	1.89e-02	3.1	3.1	3.1	3.1	-93.6	4.5	-10.0	-1.28e-05	-2.91e-06	2.23e-06
400	ok	0.05	5.41e-02	1.74e-02	3.1	3.1	3.1	3.1	-84.7	6.5	-14.6	-1.08e-05	-2.43e-06	2.46e-06
401	ok	0.05	5.37e-02	1.60e-02	3.1	3.1	3.1	3.1	-76.0	8.7	-19.0	-8.82e-06	-1.67e-06	2.65e-06
402	ok	0.05	7.05e-02	1.45e-02	3.1	3.1	3.1	3.1	-66.5	10.5	-22.9	-6.82e-06	0.0	2.71e-06
403	ok	0.05	8.75e-02	1.29e-02	3.1	3.1	3.1	3.1	-55.5	11.9	-26.3	-4.84e-06	0.0	2.53e-06
404	ok	0.05	0.1	1.10e-02	3.1	3.1	3.1	3.1	-42.9	13.0	-29.1	-2.91e-06	2.44e-06	1.99e-06
405	ok	0.05	0.1	9.01e-03	3.1	3.1	3.1	3.1	-28.9	14.3	-31.1	-1.05e-06	4.53e-06	0.0
406	ok	0.05	0.2	6.51e-03	3.1	3.1	3.1	3.1	-13.2	16.7	-30.9	0.0	6.97e-06	0.0
407	ok	0.05	0.2	3.00e-03	3.1	3.1	3.1	3.1	10.9	20.4	-26.9	1.97e-06	1.01e-05	-1.04e-06
408	ok	0.05	0.1	2.59e-02	3.1	3.1	3.1	3.1	-117.9	23.9	-18.9	-2.12e-05	-1.04e-06	4.82e-06
409	ok	0.05	7.52e-02	2.11e-02	3.1	3.1	3.1	3.1	-104.1	3.9	-3.2	-2.41e-05	0.0	1.08e-06
410	ok	0.05	7.26e-02	2.32e-02	3.1	3.1	3.1	3.1	-116.2	1.9	-1.2	-1.87e-05	-2.98e-06	3.47e-06
411	ok	0.05	6.56e-02	1.95e-02	3.1	3.1	3.1	3.1	-97.5	-0.4	-5.8	-1.65e-05	-3.22e-06	3.45e-06
412	ok	0.05	5.99e-02	1.75e-02	3.1	3.1	3.1	3.1	-86.0	0.8	-11.8	-1.42e-05	-2.95e-06	3.60e-06
413	ok	0.05	5.48e-02	1.62e-02	3.1	3.1	3.1	3.1	-77.5	2.4	-16.7	-1.20e-05	-2.42e-06	3.79e-06
414	ok	0.05	5.00e-02	1.50e-02	3.1	3.1	3.1	3.1	-69.6	3.5	-20.7	-9.92e-06	-1.75e-06	3.93e-06
415	ok	0.05	4.83e-02	1.37e-02	3.1	3.1	3.1	3.1	-60.7	3.9	-24.0	-7.90e-06	0.0	3.92e-06
416	ok	0.05	5.98e-02	1.22e-02	3.1	3.1	3.1	3.1	-50.1	3.6	-26.8	-5.96e-06	0.0	3.67e-06
417	ok	0.05	7.30e-02	1.06e-02	3.1	3.1	3.1	3.1	-37.9	2.6	-29.2	-4.07e-06	1.23e-06	3.07e-06
418	ok	0.05	9.02e-02	9.16e-03	3.1	3.1	3.1	3.1	-24.7	1.0	-31.5	-2.15e-06	2.55e-06	1.99e-06
419	ok	0.05	0.1	7.89e-03	3.1	3.1	3.1	3.1	-12.0	-0.5	-32.8	0.0	3.60e-06	0.0
420	ok	0.05	0.1	5.42e-03	3.1	3.1	3.1	3.1	5.6	-1.0	-27.3	0.0	2.41e-06	-1.06e-06
421	ok	0.05	8.47e-02	3.69e-02	3.1	3.1	3.1	3.1	-184.6	-21.0	6.2	-2.43e-05	-3.42e-06	2.06e-06
422	ok	0.05	7.20e-02	2.20e-02	3.1	3.1	3.1	3.1	-110.0	-8.9	-3.6	-2.17e-05	-3.67e-06	1.47e-06
423	ok	0.05	6.45e-02	1.79e-02	3.1	3.1	3.1	3.1	-88.4	-2.4	-10.7	-1.86e-05	-3.56e-06	1.45e-06
424	ok	0.05	5.87e-02	1.62e-02	3.1	3.1	3.1	3.1	-78.1	-0.3	-16.0	-1.57e-05	-3.10e-06	1.47e-06
425	ok	0.05	5.37e-02	1.52e-02	3.1	3.1	3.1	3.1	-70.9	-0.4	-20.1	-1.32e-05	-2.51e-06	1.49e-06
426	ok	0.05	4.90e-02	1.43e-02	3.1	3.1	3.1	3.1	-63.8	-1.4	-23.3	-1.10e-05	-1.89e-06	1.49e-06
427	ok	0.05	4.44e-02	1.32e-02	3.1	3.1	3.1	3.1	-55.5	-3.0	-25.9	-9.10e-06	-1.22e-06	1.46e-06
428	ok	0.05	3.96e-02	1.19e-02	3.1	3.1	3.1	3.1	-45.4	-4.9	-28.0	-7.42e-06	0.0	1.38e-06
429	ok	0.05	4.75e-02	1.05e-02	3.1	3.1	3.1	3.1	-33.5	-7.5	-29.5	-5.79e-06	0.0	1.21e-06
430	ok	0.05	5.94e-02	9.34e-03	3.1	3.1	3.1	3.1	-20.6	-11.5	-30.3	-3.90e-06	1.26e-06	0.0
431	ok	0.05	6.51e-02	8.87e-03	3.1	3.1	3.1	3.1	-9.7	-18.6	-29.9	-1.27e-06	1.78e-06	0.0

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
								-184.64	-33.76	-32.78	-3.20e-05	-5.29e-06	-1.17e-05
	0.05	0.20	0.04	3.14	3.14	3.14	3.14	24.81	38.81	21.05	4.42e-06	2.29e-05	4.82e-06

Nodo	**Stato**	**Max tau** daN/cm2	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr** daN/cm	**V sec** daN/cm
2	ok	0.18						
4	ok	0.08						
276	ok	0.18						
277	ok	0.16						
278	ok	0.14						
279	ok	0.11						
280	ok	0.10						
281	ok	0.09						
282	ok	0.08						
283	ok	0.08						
284	ok	0.08						
285	ok	0.07						
286	ok	0.08						
288	ok	0.15						
290	ok	0.10						
291	ok	0.16						
292	ok	0.16						
293	ok	0.15						
294	ok	0.13						
295	ok	0.11						
296	ok	0.10						
297	ok	0.09						
298	ok	0.09						
299	ok	0.09						
300	ok	0.09						
301	ok	0.10						
302	ok	0.10						
303	ok	0.10						
304	ok	0.17						
305	ok	0.17						

306	ok	0.11
307	ok	0.11
308	ok	0.10
309	ok	0.09
310	ok	0.08
311	ok	0.08
312	ok	0.08
313	ok	0.08
314	ok	0.08
315	ok	0.10
316	ok	0.10
317	ok	0.17
318	ok	0.17
319	ok	0.09
320	ok	0.09
321	ok	0.09
322	ok	0.08
323	ok	0.08
324	ok	0.07
325	ok	0.07
326	ok	0.06
327	ok	0.06
328	ok	0.10
329	ok	0.10
330	ok	0.17
331	ok	0.17
332	ok	0.08
333	ok	0.08
334	ok	0.08
335	ok	0.07
336	ok	0.07
337	ok	0.06
338	ok	0.06
339	ok	0.05
340	ok	0.05
341	ok	0.10
342	ok	0.10
343	ok	0.17
344	ok	0.17
345	ok	0.07
346	ok	0.07
347	ok	0.07
348	ok	0.06
349	ok	0.06
350	ok	0.05
351	ok	0.05
352	ok	0.04
353	ok	0.03
354	ok	0.10
355	ok	0.10
356	ok	0.17
357	ok	0.17
358	ok	0.06
359	ok	0.06
360	ok	0.06
361	ok	0.06
362	ok	0.05
363	ok	0.04
364	ok	0.04
365	ok	0.03
366	ok	0.02
367	ok	0.10
368	ok	0.10
369	ok	0.16
370	ok	0.16
371	ok	0.06
372	ok	0.06
373	ok	0.05
374	ok	0.05
375	ok	0.04
376	ok	0.04
377	ok	0.03
378	ok	0.02
379	ok	0.01
380	ok	0.10
381	ok	0.10
382	ok	0.16
383	ok	0.16

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384	ok	0.05
385	ok	0.05
386	ok	0.05
387	ok	0.05
388	ok	0.04
389	ok	0.03
390	ok	0.03
391	ok	0.02
392	ok	0.02
393	ok	0.09
394	ok	0.09
395	ok	0.15
396	ok	0.15
397	ok	0.06
398	ok	0.06
399	ok	0.05
400	ok	0.04
401	ok	0.04
402	ok	0.03
403	ok	0.03
404	ok	0.02
405	ok	0.03
406	ok	0.08
407	ok	0.08
408	ok	0.14
409	ok	0.14
410	ok	0.08
411	ok	0.06
412	ok	0.05
413	ok	0.04
414	ok	0.04
415	ok	0.03
416	ok	0.03
417	ok	0.02
418	ok	0.03
419	ok	0.07
420	ok	0.07
421	ok	0.15
422	ok	0.15
423	ok	0.15
424	ok	0.14
425	ok	0.14
426	ok	0.14
427	ok	0.13
428	ok	0.13
429	ok	0.12
430	ok	0.11
431	ok	0.10

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.18						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
3	30.00	6	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.05	0.5	1.61e-02	3.1	3.1	3.1	3.1	-77.6	-12.4	-14.4	-1963.3	-31.9	-71.1
3	ok	0.05	7.94e-02	2.79e-03	3.1	3.1	3.1	3.1	39.7	-11.6	11.4	-216.8	270.4	-4.9
45	ok	0.05	0.5	1.13e-02	3.1	3.1	3.1	3.1	-53.3	-16.9	-0.2	-1977.8	-224.2	-186.1
47	ok	0.05	0.5	1.08e-02	3.1	3.1	3.1	3.1	-51.1	-11.5	11.0	-2024.5	-295.8	-124.0
49	ok	0.05	0.5	1.15e-02	3.1	3.1	3.1	3.1	-51.3	-9.8	17.0	-2021.0	-370.9	-121.4
51	ok	0.05	0.5	1.23e-02	3.1	3.1	3.1	3.1	-53.0	-10.3	21.1	-2001.8	-410.0	-129.9
53	ok	0.05	0.5	1.31e-02	3.1	3.1	3.1	3.1	-55.1	-12.1	23.8	-1965.3	-425.8	-145.4
55	ok	0.05	0.5	1.37e-02	3.1	3.1	3.1	3.1	-56.4	-14.7	25.6	-1898.9	-422.2	-165.4
57	ok	0.05	0.5	1.39e-02	3.1	3.1	3.1	3.1	-55.9	-17.6	26.7	-1785.7	-396.5	-187.1
59	ok	0.05	0.4	1.36e-02	3.1	3.1	3.1	3.1	-52.6	-20.2	27.0	-1606.2	-341.9	-206.5
61	ok	0.05	0.4	1.25e-02	3.1	3.1	3.1	3.1	-44.8	-21.9	26.6	-1340.3	-247.9	-217.9
63	ok	0.05	0.3	1.03e-02	3.1	3.1	3.1	3.1	-29.9	-21.9	25.4	-971.2	-100.6	-211.6
65	ok	0.05	0.2	6.91e-03	3.1	3.1	3.1	3.1	-3.1	-18.9	22.3	-509.0	110.6	-168.5
287	ok	0.05	0.7	1.22e-02	3.1	3.1	3.1	3.1	-59.7	-14.3	8.4	-2815.0	-47.3	74.1
289	ok	0.05	6.79e-02	1.81e-03	3.1	3.1	3.1	3.1	15.2	-7.7	-5.7	61.7	231.1	9.5
432	ok	0.05	0.5	1.37e-02	3.1	3.1	3.1	3.1	-68.3	-3.0	-5.1	-1934.4	-63.2	-533.9
433	ok	0.05	0.5	1.22e-02	3.1	3.1	3.1	3.1	-60.1	5.8	6.4	-2155.7	32.1	-130.1
434	ok	0.05	0.5	1.19e-02	3.1	3.1	3.1	3.1	-58.1	-7.2	9.4	-1851.9	-250.2	-470.0

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435	ok	0.05	0.5	1.21e-02	3.1	3.1	3.1	3.1	-56.2	-7.2	15.5	-1803.7	-330.4	-472.2
436	ok	0.05	0.5	1.26e-02	3.1	3.1	3.1	3.1	-56.3	-6.4	20.1	-1752.0	-370.5	-498.8
437	ok	0.05	0.5	1.32e-02	3.1	3.1	3.1	3.1	-57.0	-5.5	23.2	-1678.8	-382.1	-543.7
438	ok	0.05	0.5	1.34e-02	3.1	3.1	3.1	3.1	-57.3	-4.6	24.9	-1572.0	-369.0	-597.2
439	ok	0.05	0.5	1.32e-02	3.1	3.1	3.1	3.1	-55.9	-3.4	25.5	-1420.2	-329.2	-647.4
440	ok	0.05	0.4	1.24e-02	3.1	3.1	3.1	3.1	-51.6	-1.5	24.8	-1213.0	-256.6	-679.2
441	ok	0.05	0.4	1.05e-02	3.1	3.1	3.1	3.1	-42.8	1.5	22.9	-944.1	-141.9	-672.2
442	ok	0.05	0.3	7.13e-03	3.1	3.1	3.1	3.1	-26.7	6.1	19.3	-618.7	24.4	-598.1
443	ok	0.05	0.2	2.05e-03	3.1	3.1	3.1	3.1	1.7	11.1	5.0	-293.4	229.8	-399.6
444	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	54.6	14.0	4.5	-135.4	564.9	-13.2
445	ok	0.05	0.5	1.28e-02	3.1	3.1	3.1	3.1	-63.9	-0.8	2.6	-1795.6	-84.3	-354.2
446	ok	0.05	0.4	1.28e-02	3.1	3.1	3.1	3.1	-64.1	7.27e-02	1.7	-1818.4	7.8	-76.7
447	ok	0.05	0.4	1.24e-02	3.1	3.1	3.1	3.1	-61.1	-2.0	5.5	-1699.6	-219.5	-356.4
448	ok	0.05	0.4	1.22e-02	3.1	3.1	3.1	3.1	-58.3	-2.3	12.6	-1612.6	-311.9	-369.0
449	ok	0.05	0.4	1.23e-02	3.1	3.1	3.1	3.1	-57.1	-1.0	16.2	-1520.3	-362.6	-389.0
450	ok	0.05	0.4	1.24e-02	3.1	3.1	3.1	3.1	-56.5	1.2	18.7	-1410.6	-377.5	-413.8
451	ok	0.05	0.4	1.23e-02	3.1	3.1	3.1	3.1	-55.4	4.0	19.9	-1274.7	-357.6	-437.9
452	ok	0.05	0.3	1.17e-02	3.1	3.1	3.1	3.1	-52.7	7.4	19.8	-1106.7	-299.1	-452.8
453	ok	0.05	0.3	1.04e-02	3.1	3.1	3.1	3.1	-47.1	11.2	18.2	-904.8	-193.7	-448.4
454	ok	0.05	0.2	8.16e-03	3.1	3.1	3.1	3.1	-36.8	15.6	15.2	-673.5	-29.7	-413.3
455	ok	0.05	0.2	4.47e-03	3.1	3.1	3.1	3.1	-19.2	20.1	8.1	-430.8	207.8	-334.1
456	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	8.5	23.6	4.3	-200.2	533.3	-199.4
457	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	51.2	23.7	5.7	-22.3	1004.1	0.1
458	ok	0.05	0.4	1.30e-02	3.1	3.1	3.1	3.1	-64.4	-8.31e-02	3.1	-1656.6	-86.4	-252.3
459	ok	0.05	0.4	1.34e-02	3.1	3.1	3.1	3.1	-64.8	0.2	1.4	-1673.6	9.1	-53.9
460	ok	0.05	0.4	1.25e-02	3.1	3.1	3.1	3.1	-61.7	0.3	6.0	-1561.5	-214.0	-256.6
461	ok	0.05	0.4	1.22e-02	3.1	3.1	3.1	3.1	-59.2	1.3	11.3	-1460.3	-301.8	-271.6
462	ok	0.05	0.4	1.20e-02	3.1	3.1	3.1	3.1	-57.3	3.3	13.8	-1347.1	-350.9	-286.7
463	ok	0.05	0.3	1.18e-02	3.1	3.1	3.1	3.1	-55.6	6.3	15.5	-1216.9	-361.2	-300.0
464	ok	0.05	0.3	1.14e-02	3.1	3.1	3.1	3.1	-53.2	9.9	16.1	-1065.7	-330.7	-308.4
465	ok	0.05	0.3	1.05e-02	3.1	3.1	3.1	3.1	-49.1	14.0	15.5	-891.6	-254.5	-307.1
466	ok	0.05	0.2	8.99e-03	3.1	3.1	3.1	3.1	-39.5	18.5	13.6	-697.5	-123.2	-290.3
467	ok	0.05	0.2	6.53e-03	3.1	3.1	3.1	3.1	-27.9	22.4	8.3	-487.9	74.5	-253.0
468	ok	0.05	0.1	2.87e-03	3.1	3.1	3.1	3.1	-10.4	25.3	5.1	-272.5	352.3	-189.9
469	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	12.1	26.4	3.3	-69.4	734.8	-95.5
470	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	44.5	25.6	7.5	96.4	1276.8	8.0
471	ok	0.05	0.4	1.31e-02	3.1	3.1	3.1	3.1	-65.0	0.2	2.4	-1564.4	-87.1	-151.6
472	ok	0.05	0.4	1.39e-02	3.1	3.1	3.1	3.1	-67.1	0.2	1.4	-1582.3	9.0	-32.5
473	ok	0.05	0.4	1.25e-02	3.1	3.1	3.1	3.1	-61.7	1.5	4.9	-1464.8	-213.0	-155.0
474	ok	0.05	0.3	1.21e-02	3.1	3.1	3.1	3.1	-59.0	3.3	9.3	-1355.1	-296.5	-165.2
475	ok	0.05	0.3	1.17e-02	3.1	3.1	3.1	3.1	-56.6	5.9	10.9	-1230.2	-340.4	-173.7
476	ok	0.05	0.3	1.12e-02	3.1	3.1	3.1	3.1	-54.0	9.3	11.9	-1088.5	-343.6	-178.4
477	ok	0.05	0.3	1.05e-02	3.1	3.1	3.1	3.1	-48.1	13.6	12.0	-929.4	-302.5	-177.4
478	ok	0.05	0.2	9.46e-03	3.1	3.1	3.1	3.1	-42.9	17.6	11.2	-752.9	-212.3	-168.7
479	ok	0.05	0.2	7.77e-03	3.1	3.1	3.1	3.1	-34.8	21.4	9.7	-562.2	-64.9	-150.0
480	ok	0.05	0.1	5.28e-03	3.1	3.1	3.1	3.1	-22.7	24.4	5.3	-364.0	152.5	-119.3
481	ok	0.05	0.1	1.97e-03	3.1	3.1	3.1	3.1	-5.9	26.1	3.6	-165.8	453.0	-75.5
482	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	13.4	25.8	3.7	19.1	860.3	-19.8
483	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	37.8	24.8	8.6	170.5	1409.4	12.0
484	ok	0.05	0.4	1.31e-02	3.1	3.1	3.1	3.1	-65.1	0.3	1.3	-1524.9	-88.5	-47.7
485	ok	0.05	0.4	1.41e-02	3.1	3.1	3.1	3.1	-68.2	0.1	1.3	-1543.9	9.0	-10.7
486	ok	0.05	0.4	1.23e-02	3.1	3.1	3.1	3.1	-61.2	1.9	3.1	-1420.1	-214.0	-48.9
487	ok	0.05	0.3	1.17e-02	3.1	3.1	3.1	3.1	-58.0	4.1	6.9	-1303.6	-293.9	-52.4
488	ok	0.05	0.3	1.12e-02	3.1	3.1	3.1	3.1	-55.1	6.9	7.8	-1170.7	-332.4	-53.6
489	ok	0.05	0.3	1.06e-02	3.1	3.1	3.1	3.1	-49.3	10.8	8.2	-1021.5	-328.5	-51.3
490	ok	0.05	0.2	9.73e-03	3.1	3.1	3.1	3.1	-45.2	14.5	8.0	-856.5	-279.4	-44.6
491	ok	0.05	0.2	8.53e-03	3.1	3.1	3.1	3.1	-39.4	18.3	7.3	-677.8	-180.4	-33.2
492	ok	0.05	0.1	6.81e-03	3.1	3.1	3.1	3.1	-30.9	21.6	6.4	-489.1	-23.9	-17.1
493	ok	0.05	8.85e-02	4.41e-03	3.1	3.1	3.1	3.1	-18.9	24.0	3.2	-297.2	201.7	2.6
494	ok	0.05	0.2	1.60e-03	3.1	3.1	3.1	3.1	-5.6	24.6	3.0	-108.5	508.7	24.4
495	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	13.7	24.2	6.9	65.9	915.3	48.8
496	ok	0.05	0.5	0.0	3.1	3.1	3.1	3.1	32.9	23.7	9.0	204.9	1451.3	14.5
497	ok	0.05	0.4	1.29e-02	3.1	3.1	3.1	3.1	-64.3	0.3	-5.04e-03	-1544.0	-90.7	60.3
498	ok	0.05	0.4	1.40e-02	3.1	3.1	3.1	3.1	-70.2	-0.3	1.2	-1565.0	9.0	12.6
499	ok	0.05	0.4	1.20e-02	3.1	3.1	3.1	3.1	-60.0	1.8	1.2	-1433.2	-216.9	62.0
500	ok	0.05	0.3	1.13e-02	3.1	3.1	3.1	3.1	-56.4	3.9	2.0	-1309.7	-293.7	66.0
501	ok	0.05	0.3	1.06e-02	3.1	3.1	3.1	3.1	-52.9	6.5	2.3	-1169.2	-327.3	71.9
502	ok	0.05	0.3	9.91e-03	3.1	3.1	3.1	3.1	-46.8	10.1	4.6	-1012.7	-318.1	80.1
503	ok	0.05	0.2	9.00e-03	3.1	3.1	3.1	3.1	-42.3	13.5	4.3	-841.9	-263.9	90.6
504	ok	0.05	0.2	7.78e-03	3.1	3.1	3.1	3.1	-36.2	17.0	3.8	-659.8	-161.0	102.3
505	ok	0.05	0.1	6.11e-03	3.1	3.1	3.1	3.1	-27.9	20.1	3.5	-470.3	-3.1	113.1
506	ok	0.05	9.05e-02	3.86e-03	3.1	3.1	3.1	3.1	-16.5	22.3	1.4	-280.2	219.9	119.5
507	ok	0.05	0.2	1.41e-03	3.1	3.1	3.1	3.1	-4.4	23.0	2.6	-95.2	519.3	117.5
508	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	13.1	22.9	7.6	74.3	910.7	105.2
509	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	32.8	23.4	8.8	208.3	1424.9	16.9
510	ok	0.05	0.4	1.25e-02	3.1	3.1	3.1	3.1	-62.7	0.2	-1.1	-1628.2	-94.1	174.3
511	ok	0.05	0.4	1.36e-02	3.1	3.1	3.1	3.1	-68.2	-0.3	1.1	-1651.5	9.2	36.3
512	ok	0.05	0.4	1.17e-02	3.1	3.1	3.1	3.1	-58.3	1.3	-0.5	-1508.5	-221.8	179.2

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513	ok	0.05	0.4	1.08e-02	3.1	3.1	3.1	3.1	-54.2	2.8	-0.1	-1375.2	-296.2	190.9
514	ok	0.05	0.3	1.01e-02	3.1	3.1	3.1	3.1	-47.8	5.3	-0.4	-1225.3	-326.0	203.4
515	ok	0.05	0.3	9.25e-03	3.1	3.1	3.1	3.1	-43.8	7.9	-0.9	-1059.8	-313.0	217.0
516	ok	0.05	0.3	8.34e-03	3.1	3.1	3.1	3.1	-39.3	10.9	0.9	-881.0	-257.1	230.4
517	ok	0.05	0.2	7.18e-03	3.1	3.1	3.1	3.1	-33.5	14.1	0.5	-692.3	-155.3	241.0
518	ok	0.05	0.2	5.63e-03	3.1	3.1	3.1	3.1	-25.7	17.0	0.7	-498.3	-3.0	245.4
519	ok	0.05	0.1	3.57e-03	3.1	3.1	3.1	3.1	-15.3	19.6	-0.6	-305.3	207.7	237.9
520	ok	0.05	0.2	1.34e-03	3.1	3.1	3.1	3.1	-1.9	21.4	1.7	-119.6	486.0	212.1
521	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	12.1	21.6	7.6	51.9	846.3	164.6
522	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	32.3	22.9	8.2	184.6	1331.6	19.8
523	ok	0.05	0.5	1.21e-02	3.1	3.1	3.1	3.1	-60.7	-2.34e-02	-1.8	-1787.0	-98.9	298.0
524	ok	0.05	0.4	1.30e-02	3.1	3.1	3.1	3.1	-64.9	-0.3	1.1	-1815.4	9.3	61.8
525	ok	0.05	0.4	1.12e-02	3.1	3.1	3.1	3.1	-56.3	0.2	-1.3	-1650.6	-229.2	306.9
526	ok	0.05	0.4	1.03e-02	3.1	3.1	3.1	3.1	-49.0	1.1	-1.4	-1501.4	-301.7	325.8
527	ok	0.05	0.4	9.41e-03	3.1	3.1	3.1	3.1	-44.5	2.3	-2.3	-1337.1	-328.8	344.4
528	ok	0.05	0.3	8.62e-03	3.1	3.1	3.1	3.1	-40.4	4.2	-3.5	-1159.3	-313.9	362.4
529	ok	0.05	0.3	7.79e-03	3.1	3.1	3.1	3.1	-36.1	6.7	-2.1	-969.1	-259.0	378.5
530	ok	0.05	0.3	6.76e-03	3.1	3.1	3.1	3.1	-30.9	9.4	-2.5	-769.4	-163.0	387.9
531	ok	0.05	0.2	5.38e-03	3.1	3.1	3.1	3.1	-24.0	12.2	-2.2	-564.9	-22.9	385.5
532	ok	0.05	0.2	3.51e-03	3.1	3.1	3.1	3.1	-14.9	15.1	-3.1	-363.6	166.8	363.9
533	ok	0.05	0.2	1.31e-03	3.1	3.1	3.1	3.1	-2.8	17.8	-0.3	-172.2	412.2	315.3
534	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	10.5	19.5	6.4	3.8	722.6	232.9
535	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	33.0	21.9	7.1	133.1	1154.9	23.9
536	ok	0.05	0.5	1.18e-02	3.1	3.1	3.1	3.1	-59.0	-0.3	-1.8	-2035.5	-105.1	440.6
537	ok	0.05	0.5	1.21e-02	3.1	3.1	3.1	3.1	-60.6	-0.3	0.9	-2082.7	9.9	90.2
538	ok	0.05	0.5	1.08e-02	3.1	3.1	3.1	3.1	-52.0	-0.9	-0.4	-1862.4	-237.5	459.9
539	ok	0.05	0.5	9.56e-03	3.1	3.1	3.1	3.1	-45.3	-2.4	-1.5	-1683.5	-313.4	481.0
540	ok	0.05	0.4	8.64e-03	3.1	3.1	3.1	3.1	-40.4	-2.0	-3.6	-1500.6	-336.9	501.4
541	ok	0.05	0.4	7.95e-03	3.1	3.1	3.1	3.1	-36.6	-0.6	-3.1	-1308.1	-319.5	523.8
542	ok	0.05	0.4	7.27e-03	3.1	3.1	3.1	3.1	-32.7	1.0	-4.4	-1102.8	-267.8	543.5
543	ok	0.05	0.3	6.43e-03	3.1	3.1	3.1	3.1	-28.2	2.8	-5.1	-885.8	-182.2	553.8
544	ok	0.05	0.3	5.27e-03	3.1	3.1	3.1	3.1	-22.3	5.0	-5.0	-661.8	-61.2	546.0
545	ok	0.05	0.2	3.66e-03	3.1	3.1	3.1	3.1	-14.5	7.6	-6.1	-440.9	98.8	509.8
546	ok	0.05	0.2	1.41e-03	3.1	3.1	3.1	3.1	-4.2	11.2	-1.2	-233.4	299.3	437.7
547	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	10.4	15.3	3.3	-59.6	538.2	317.4
548	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	30.5	17.5	5.3	68.0	866.2	29.9
549	ok	0.05	0.6	1.24e-02	3.1	3.1	3.1	3.1	-58.8	-0.8	5.8	-2374.2	-118.3	671.0
550	ok	0.05	0.7	1.11e-02	3.1	3.1	3.1	3.1	-48.7	9.2	-4.9	-2720.2	46.8	166.7
551	ok	0.05	0.6	1.01e-02	3.1	3.1	3.1	3.1	-47.2	-7.6	3.3	-2107.5	-275.5	707.8
552	ok	0.05	0.6	8.53e-03	3.1	3.1	3.1	3.1	-40.0	-7.4	-6.34e-02	-1909.3	-337.7	706.3
553	ok	0.05	0.5	7.76e-03	3.1	3.1	3.1	3.1	-35.7	-6.6	-3.0	-1712.2	-348.6	724.9
554	ok	0.05	0.5	7.27e-03	3.1	3.1	3.1	3.1	-32.5	-6.0	-4.9	-1506.0	-325.2	754.3
555	ok	0.05	0.5	6.77e-03	3.1	3.1	3.1	3.1	-29.2	-5.8	-6.1	-1283.4	-276.9	784.5
556	ok	0.05	0.4	6.13e-03	3.1	3.1	3.1	3.1	-25.2	-5.7	-7.0	-1042.1	-206.5	803.7
557	ok	0.05	0.4	5.28e-03	3.1	3.1	3.1	3.1	-20.0	-5.3	-7.4	-783.7	-113.9	798.0
558	ok	0.05	0.3	4.11e-03	3.1	3.1	3.1	3.1	-13.3	-4.2	-7.2	-515.7	1.9	751.3
559	ok	0.05	0.2	2.46e-03	3.1	3.1	3.1	3.1	-4.5	-1.4	-6.1	-255.0	140.8	644.2
560	ok	0.05	0.2	3.11e-04	3.1	3.1	3.1	3.1	5.1	2.9	-1.6	-72.1	329.6	381.8
561	ok	0.05	0.1	0.0	3.1	3.1	3.1	3.1	27.2	7.9	2.4	32.3	461.7	36.1
562	ok	0.05	0.6	1.35e-02	3.1	3.1	3.1	3.1	-65.2	-26.6	10.2	-2633.7	-284.8	299.3
563	ok	0.05	0.6	8.66e-03	3.1	3.1	3.1	3.1	-43.1	-14.7	-1.5	-2390.8	-331.0	215.1
564	ok	0.05	0.6	7.56e-03	3.1	3.1	3.1	3.1	-36.9	-10.4	-5.1	-2163.1	-383.5	208.0
565	ok	0.05	0.5	7.10e-03	3.1	3.1	3.1	3.1	-33.8	-9.8	-6.8	-1942.4	-385.6	211.6
566	ok	0.05	0.5	6.76e-03	3.1	3.1	3.1	3.1	-31.2	-11.1	-7.7	-1718.7	-357.7	220.4
567	ok	0.05	0.4	6.41e-03	3.1	3.1	3.1	3.1	-28.3	-13.4	-8.5	-1482.6	-309.1	230.6
568	ok	0.05	0.3	6.08e-03	3.1	3.1	3.1	3.1	-24.5	-16.2	-9.2	-1227.6	-242.4	238.5
569	ok	0.05	0.3	5.84e-03	3.1	3.1	3.1	3.1	-19.5	-19.1	-10.0	-951.6	-157.1	240.0
570	ok	0.05	0.2	5.75e-03	3.1	3.1	3.1	3.1	-13.1	-21.3	-10.8	-657.6	-51.8	229.9
571	ok	0.05	0.1	5.61e-03	3.1	3.1	3.1	3.1	-4.9	-22.2	-11.7	-358.0	73.8	201.4
572	ok	0.05	9.11e-02	4.94e-03	3.1	3.1	3.1	3.1	5.3	-21.5	-7.3	-61.6	246.1	147.5

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
								-77.61	-26.57	-14.42	-2814.97	-425.81	-679.20
	0.05	0.68	0.02	3.14	3.14	3.14	3.14	54.58	26.41	26.99	208.27	1451.33	803.70

Nodo	**Stato**	**Max tau** daN/cm2	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr** daN/cm	**V sec** daN/cm
1	ok	0.57						
3	ok	0.61						
45	ok	0.69						
47	ok	0.69						
49	ok	0.65						
51	ok	0.61						
53	ok	0.61						
55	ok	0.65						
57	ok	0.67						
59	ok	0.67						

61	ok	0.67
63	ok	0.64
65	ok	0.61
287	ok	0.49
289	ok	0.43
432	ok	0.61
433	ok	0.56
434	ok	0.61
435	ok	0.60
436	ok	0.58
437	ok	0.61
438	ok	0.65
439	ok	0.67
440	ok	0.67
441	ok	0.71
442	ok	0.78
443	ok	0.88
444	ok	0.88
445	ok	0.26
446	ok	0.23
447	ok	0.27
448	ok	0.28
449	ok	0.31
450	ok	0.37
451	ok	0.45
452	ok	0.53
453	ok	0.62
454	ok	0.71
455	ok	0.80
456	ok	0.94
457	ok	0.94
458	ok	0.20
459	ok	0.20
460	ok	0.22
461	ok	0.24
462	ok	0.27
463	ok	0.34
464	ok	0.42
465	ok	0.51
466	ok	0.60
467	ok	0.70
468	ok	0.80
469	ok	0.94
470	ok	0.94
471	ok	0.17
472	ok	0.17
473	ok	0.17
474	ok	0.19
475	ok	0.23
476	ok	0.30
477	ok	0.38
478	ok	0.47
479	ok	0.56
480	ok	0.66
481	ok	0.78
482	ok	0.90
483	ok	0.90
484	ok	0.15
485	ok	0.15
486	ok	0.11
487	ok	0.14
488	ok	0.20
489	ok	0.28
490	ok	0.36
491	ok	0.45
492	ok	0.54
493	ok	0.63
494	ok	0.74
495	ok	0.86
496	ok	0.86
497	ok	0.15
498	ok	0.15
499	ok	0.11
500	ok	0.16
501	ok	0.22
502	ok	0.29
503	ok	0.36
504	ok	0.43

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Cod.Fisc.- Part.I.V.A.02533670994

505	ok	0.52
506	ok	0.61
507	ok	0.71
508	ok	0.83
509	ok	0.83
510	ok	0.17
511	ok	0.15
512	ok	0.19
513	ok	0.22
514	ok	0.26
515	ok	0.32
516	ok	0.38
517	ok	0.44
518	ok	0.51
519	ok	0.59
520	ok	0.69
521	ok	0.81
522	ok	0.81
523	ok	0.26
524	ok	0.15
525	ok	0.27
526	ok	0.28
527	ok	0.31
528	ok	0.35
529	ok	0.40
530	ok	0.45
531	ok	0.50
532	ok	0.57
533	ok	0.66
534	ok	0.80
535	ok	0.80
536	ok	0.34
537	ok	0.14
538	ok	0.34
539	ok	0.33
540	ok	0.33
541	ok	0.35
542	ok	0.40
543	ok	0.45
544	ok	0.50
545	ok	0.55
546	ok	0.61
547	ok	0.77
548	ok	0.77
549	ok	0.79
550	ok	0.49
551	ok	0.79
552	ok	0.74
553	ok	0.66
554	ok	0.62
555	ok	0.60
556	ok	0.58
557	ok	0.55
558	ok	0.50
559	ok	0.51
560	ok	0.62
561	ok	0.62
562	ok	0.79
563	ok	0.79
564	ok	0.74
565	ok	0.66
566	ok	0.62
567	ok	0.60
568	ok	0.58
569	ok	0.55
570	ok	0.50
571	ok	0.43
572	ok	0.43

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.94						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
4	30.00	6	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
3	ok	0.05	8.06e-02	1.90e-03	3.1	3.1	3.1	3.1	41.9	-7.7	9.7	145.1	-278.3	8.2
4	ok	0.05	8.16e-02	8.73e-03	3.1	3.1	3.1	3.1	15.3	-42.2	9.5	110.0	-250.6	8.3
5	ok	0.05	0.5	1.48e-02	3.1	3.1	3.1	3.1	-70.1	-51.2	9.3	2036.3	487.4	15.9
6	ok	0.05	0.5	1.49e-02	3.1	3.1	3.1	3.1	-70.1	-48.1	11.2	2029.9	485.9	89.8
11	ok	0.05	0.3	1.18e-02	3.1	3.1	3.1	3.1	-44.6	-39.4	16.8	1215.3	205.1	228.9
12	ok	0.05	0.3	1.26e-02	3.1	3.1	3.1	3.1	-49.1	-57.5	-7.1	1264.9	263.7	-172.3
14	ok	0.05	0.5	1.46e-02	3.1	3.1	3.1	3.1	-66.4	-45.6	13.6	1871.0	437.8	160.8
17	ok	0.05	0.5	1.42e-02	3.1	3.1	3.1	3.1	-67.4	-54.6	-8.0	1913.2	452.8	-65.2
20	ok	0.05	0.1	1.00e-02	3.1	3.1	3.1	3.1	-11.8	-46.9	-4.6	464.4	-28.6	-157.1
21	ok	0.05	7.26e-02	8.70e-03	3.1	3.1	3.1	3.1	5.6	-41.8	-5.2	224.7	-157.8	-105.7
22	ok	0.05	0.3	1.20e-02	3.1	3.1	3.1	3.1	-39.7	-55.6	-6.1	1016.0	183.5	-182.5
23	ok	0.05	0.4	1.32e-02	3.1	3.1	3.1	3.1	-55.4	-42.4	15.9	1503.7	313.5	216.1
24	ok	0.05	0.5	1.49e-02	3.1	3.1	3.1	3.1	-70.5	-49.6	10.2	2050.0	491.5	52.8
26	ok	0.05	0.1	6.61e-03	3.1	3.1	3.1	3.1	0.8	-24.7	16.9	405.6	-155.4	177.0
27	ok	0.05	0.2	1.12e-02	3.1	3.1	3.1	3.1	-27.4	-52.0	-5.2	742.3	86.5	-179.6
30	ok	0.05	0.5	1.49e-02	3.1	3.1	3.1	3.1	-68.9	-46.8	12.4	1972.2	468.9	126.2
31	ok	0.05	0.5	1.45e-02	3.1	3.1	3.1	3.1	-69.1	-52.9	-7.6	1990.6	474.5	-30.5
35	ok	0.05	0.4	1.31e-02	3.1	3.1	3.1	3.1	-56.1	-58.0	-7.8	1480.4	329.0	-153.0
36	ok	0.05	0.4	1.35e-02	3.1	3.1	3.1	3.1	-61.1	-57.4	-8.2	1659.7	381.2	-127.6
37	ok	0.05	0.4	1.41e-02	3.1	3.1	3.1	3.1	-62.2	-44.3	14.8	1718.3	388.1	191.7
38	ok	0.05	0.2	9.67e-03	3.1	3.1	3.1	3.1	-27.3	-34.1	17.4	843.8	51.2	221.7
43	ok	0.05	0.4	1.39e-02	3.1	3.1	3.1	3.1	-64.8	-56.2	-8.2	1803.5	422.1	-97.8
289	ok	0.05	6.59e-02	3.79e-03	3.1	3.1	3.1	3.1	12.1	-17.4	-6.9	6.0	-213.7	-6.0
290	ok	0.05	3.95e-02	0.0	3.1	3.1	3.1	3.1	19.1	127.5	5.0	-125.4	-29.8	-10.3
303	ok	0.05	0.1	9.49e-03	3.1	3.1	3.1	3.1	12.5	-46.6	2.9	86.1	-438.3	11.8
316	ok	0.05	0.2	8.64e-03	3.1	3.1	3.1	3.1	6.2	-43.0	3.8	42.4	-748.8	7.5
329	ok	0.05	0.3	7.11e-03	3.1	3.1	3.1	3.1	5.4	-34.1	5.8	-32.0	-970.9	3.4
342	ok	0.05	0.3	5.32e-03	3.1	3.1	3.1	3.1	1.4	-24.9	6.9	-85.4	-1094.7	1.0
355	ok	0.05	0.3	3.50e-03	3.1	3.1	3.1	3.1	1.4	-14.3	7.8	-113.0	-1137.4	-0.3
368	ok	0.05	0.3	1.95e-03	3.1	3.1	3.1	3.1	5.6	-2.6	8.6	-113.8	-1111.6	-1.3
381	ok	0.05	0.3	9.03e-04	3.1	3.1	3.1	3.1	8.5	9.6	9.5	-90.3	-1017.4	-2.9
394	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	9.8	23.3	10.5	-49.6	-842.9	-5.6
407	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	13.9	40.8	11.4	-8.4	-576.9	-10.1
420	ok	0.05	8.75e-02	0.0	3.1	3.1	3.1	3.1	17.6	66.7	11.2	-22.1	-225.6	-15.3
444	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	55.3	16.1	-6.7	82.2	-568.3	27.5
457	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	53.4	25.1	-10.3	-18.2	-1007.6	16.9
470	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	44.7	26.4	-11.7	-122.1	-1279.0	11.5
483	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	37.9	25.4	-12.1	-190.6	-1411.7	10.7
496	ok	0.05	0.5	0.0	3.1	3.1	3.1	3.1	33.0	24.1	-11.9	-220.2	-1453.8	12.0
509	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	32.9	23.6	-11.3	-218.4	-1427.3	14.0
522	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	32.2	22.8	-10.3	-187.7	-1333.7	15.2
535	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	32.8	21.2	-8.9	-126.5	-1155.9	14.4
548	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	30.1	15.9	-7.3	-45.0	-865.0	9.7
561	ok	0.05	0.1	1.25e-04	3.1	3.1	3.1	3.1	26.2	4.3	-5.7	20.0	-455.9	0.4
573	ok	0.05	0.2	1.30e-03	3.1	3.1	3.1	3.1	2.8	7.5	-7.7	228.2	-258.0	449.9
574	ok	0.05	0.3	5.52e-03	3.1	3.1	3.1	3.1	-26.4	-2.2	5.6	539.1	-57.8	645.4
575	ok	0.05	0.3	9.22e-03	3.1	3.1	3.1	3.1	-44.5	-10.9	7.8	860.2	114.8	710.0
576	ok	0.05	0.4	1.15e-02	3.1	3.1	3.1	3.1	-55.8	-17.5	8.7	1137.2	243.3	700.8
577	ok	0.05	0.4	1.29e-02	3.1	3.1	3.1	3.1	-63.0	-22.5	8.7	1360.6	335.3	642.5
578	ok	0.05	0.4	1.38e-02	3.1	3.1	3.1	3.1	-67.4	-26.4	8.1	1531.1	399.1	552.4
579	ok	0.05	0.4	1.42e-02	3.1	3.1	3.1	3.1	-70.0	-29.5	7.3	1653.0	441.1	442.4
580	ok	0.05	0.4	1.44e-02	3.1	3.1	3.1	3.1	-71.2	-32.2	6.3	1730.7	466.0	320.8
581	ok	0.05	0.4	1.44e-02	3.1	3.1	3.1	3.1	-71.5	-34.5	5.3	1768.3	476.8	193.5
582	ok	0.05	0.4	1.44e-02	3.1	3.1	3.1	3.1	-70.9	-36.6	4.4	1768.7	475.7	64.8
583	ok	0.05	0.4	1.42e-02	3.1	3.1	3.1	3.1	-69.7	-38.4	-6.4	1733.8	463.6	-66.2
584	ok	0.05	0.4	1.38e-02	3.1	3.1	3.1	3.1	-67.6	-40.0	-6.7	1665.0	441.0	-187.2
585	ok	0.05	0.4	1.33e-02	3.1	3.1	3.1	3.1	-64.7	-41.3	-6.6	1562.5	407.6	-299.5
586	ok	0.05	0.4	1.25e-02	3.1	3.1	3.1	3.1	-60.6	-42.3	-6.0	1426.5	362.6	-399.0
587	ok	0.05	0.4	1.14e-02	3.1	3.1	3.1	3.1	-55.1	-42.8	-5.0	1257.5	305.0	-480.7
588	ok	0.05	0.3	1.05e-02	3.1	3.1	3.1	3.1	-47.8	-43.0	-3.5	1057.4	233.1	-537.9
589	ok	0.05	0.3	9.84e-03	3.1	3.1	3.1	3.1	-38.3	-42.8	-1.6	831.2	145.4	-561.9
590	ok	0.05	0.2	9.49e-03	3.1	3.1	3.1	3.1	-26.1	-42.6	8.27e-02	588.9	39.9	-540.8
591	ok	0.05	0.2	9.30e-03	3.1	3.1	3.1	3.1	-11.8	-43.3	0.6	349.8	-85.2	-458.6
592	ok	0.05	0.1	9.38e-03	3.1	3.1	3.1	3.1	4.4	-44.6	1.9	180.0	-265.7	-240.9
593	ok	0.05	0.2	8.98e-04	3.1	3.1	3.1	3.1	8.6	21.2	-12.6	156.1	-551.3	258.7
594	ok	0.05	0.2	4.56e-03	3.1	3.1	3.1	3.1	-20.3	14.6	-9.7	373.5	-224.9	386.7
595	ok	0.05	0.2	8.06e-03	3.1	3.1	3.1	3.1	-39.7	7.5	-3.5	605.8	24.2	451.2
596	ok	0.05	0.3	1.05e-02	3.1	3.1	3.1	3.1	-52.2	0.8	-1.3	830.3	208.6	466.3
597	ok	0.05	0.3	1.20e-02	3.1	3.1	3.1	3.1	-60.2	-4.9	-3.95e-02	1027.5	341.7	444.4
598	ok	0.05	0.3	1.30e-02	3.1	3.1	3.1	3.1	-65.3	-9.8	0.4	1189.3	434.8	395.2
599	ok	0.05	0.4	1.36e-02	3.1	3.1	3.1	3.1	-68.2	-13.9	0.2	1313.0	497.0	327.0
600	ok	0.05	0.4	1.39e-02	3.1	3.1	3.1	3.1	-69.5	-17.4	-0.2	1398.3	534.9	246.4
601	ok	0.05	0.4	1.40e-02	3.1	3.1	3.1	3.1	-69.8	-20.2	-0.7	1446.3	553.1	158.8
602	ok	0.05	0.4	1.39e-02	3.1	3.1	3.1	3.1	-69.1	-22.7	-1.3	1458.3	554.4	68.4
603	ok	0.05	0.4	1.36e-02	3.1	3.1	3.1	3.1	-67.6	-24.7	-4.7	1435.7	540.6	-21.5
604	ok	0.05	0.3	1.31e-02	3.1	3.1	3.1	3.1	-65.1	-26.4	-4.7	1380.0	512.3	-106.8

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605	ok	0.05	0.3	1.24e-02	3.1	3.1	3.1	3.1	-61.7	-27.8	-4.3	1292.5	469.2	-184.7
606	ok	0.05	0.3	1.15e-02	3.1	3.1	3.1	3.1	-57.2	-29.0	-3.5	1175.0	410.2	-252.0
607	ok	0.05	0.3	1.03e-02	3.1	3.1	3.1	3.1	-51.2	-30.2	-2.2	1030.2	333.4	-304.8
608	ok	0.05	0.3	8.78e-03	3.1	3.1	3.1	3.1	-43.5	-31.3	-0.6	862.2	236.1	-339.2
609	ok	0.05	0.2	7.50e-03	3.1	3.1	3.1	3.1	-34.0	-32.8	1.1	677.6	114.7	-350.1
610	ok	0.05	0.2	7.34e-03	3.1	3.1	3.1	3.1	-22.9	-34.9	5.1	488.3	-35.9	-331.1
611	ok	0.05	0.1	7.67e-03	3.1	3.1	3.1	3.1	-11.0	-37.6	4.6	306.6	-220.8	-276.5
612	ok	0.05	0.1	8.14e-03	3.1	3.1	3.1	3.1	-0.5	-40.6	1.5	151.8	-449.4	-175.9
613	ok	0.05	0.3	1.04e-03	3.1	3.1	3.1	3.1	11.5	25.2	-16.2	35.5	-743.1	165.6
614	ok	0.05	0.1	4.17e-03	3.1	3.1	3.1	3.1	-12.3	22.4	-15.0	223.6	-352.4	254.3
615	ok	0.05	0.2	7.37e-03	3.1	3.1	3.1	3.1	-31.5	18.0	-12.4	423.8	-57.8	302.8
616	ok	0.05	0.2	9.81e-03	3.1	3.1	3.1	3.1	-45.1	13.0	-7.6	617.6	164.7	320.8
617	ok	0.05	0.3	1.15e-02	3.1	3.1	3.1	3.1	-56.6	7.6	-5.7	794.4	328.2	313.8
618	ok	0.05	0.3	1.26e-02	3.1	3.1	3.1	3.1	-62.3	2.9	-4.6	946.4	444.8	286.7
619	ok	0.05	0.3	1.32e-02	3.1	3.1	3.1	3.1	-65.7	-1.2	-4.1	1067.6	524.3	244.2
620	ok	0.05	0.3	1.36e-02	3.1	3.1	3.1	3.1	-67.3	-4.8	-3.9	1155.7	574.1	191.0
621	ok	0.05	0.3	1.36e-02	3.1	3.1	3.1	3.1	-67.6	-7.9	-3.9	1209.6	599.5	131.0
622	ok	0.05	0.3	1.35e-02	3.1	3.1	3.1	3.1	-66.8	-10.4	-3.9	1229.5	604.0	67.9
623	ok	0.05	0.3	1.31e-02	3.1	3.1	3.1	3.1	-65.1	-12.5	-3.9	1216.2	589.5	4.9
624	ok	0.05	0.3	1.26e-02	3.1	3.1	3.1	3.1	-62.4	-14.3	-6.1	1170.8	557.0	-55.5
625	ok	0.05	0.3	1.18e-02	3.1	3.1	3.1	3.1	-58.6	-16.0	-5.5	1095.5	506.5	-110.0
626	ok	0.05	0.3	1.08e-02	3.1	3.1	3.1	3.1	-53.6	-17.5	-4.6	992.6	436.7	-156.4
627	ok	0.05	0.2	9.51e-03	3.1	3.1	3.1	3.1	-47.2	-19.2	-1.0	866.0	345.5	-191.8
628	ok	0.05	0.2	7.92e-03	3.1	3.1	3.1	3.1	-39.5	-21.1	0.3	719.3	230.4	-214.1
629	ok	0.05	0.2	6.11e-03	3.1	3.1	3.1	3.1	-30.3	-23.6	-1.0	558.4	87.6	-220.8
630	ok	0.05	0.1	5.39e-03	3.1	3.1	3.1	3.1	-20.3	-26.5	1.9	393.4	-90.7	-208.3
631	ok	0.05	0.1	5.97e-03	3.1	3.1	3.1	3.1	-10.3	-29.7	1.0	231.9	-312.0	-173.0
632	ok	0.05	0.2	6.65e-03	3.1	3.1	3.1	3.1	-2.0	-32.7	-1.6	85.6	-593.4	-107.9
633	ok	0.05	0.3	1.21e-03	3.1	3.1	3.1	3.1	12.7	25.4	-14.8	-47.8	-858.7	107.9
634	ok	0.05	0.2	3.92e-03	3.1	3.1	3.1	3.1	-8.3	25.3	-17.6	121.0	-438.5	155.7
635	ok	0.05	0.1	6.77e-03	3.1	3.1	3.1	3.1	-26.7	23.2	-16.2	300.2	-116.5	187.1
636	ok	0.05	0.2	9.20e-03	3.1	3.1	3.1	3.1	-40.5	20.1	-12.0	476.4	129.1	201.9
637	ok	0.05	0.2	1.09e-02	3.1	3.1	3.1	3.1	-50.0	16.4	-10.3	641.0	311.7	201.9
638	ok	0.05	0.2	1.21e-02	3.1	3.1	3.1	3.1	-56.3	12.5	-8.9	785.0	444.7	189.3
639	ok	0.05	0.3	1.28e-02	3.1	3.1	3.1	3.1	-60.1	8.9	-7.9	903.0	537.3	166.5
640	ok	0.05	0.3	1.31e-02	3.1	3.1	3.1	3.1	-64.5	5.2	-7.2	991.3	597.0	136.1
641	ok	0.05	0.3	1.32e-02	3.1	3.1	3.1	3.1	-64.9	2.3	-6.7	1048.3	628.5	100.3
642	ok	0.05	0.3	1.30e-02	3.1	3.1	3.1	3.1	-64.2	-5.92e-02	-6.3	1073.2	635.9	61.8
643	ok	0.05	0.3	1.27e-02	3.1	3.1	3.1	3.1	-62.3	-2.1	-5.9	1066.1	621.4	22.9
644	ok	0.05	0.3	1.21e-02	3.1	3.1	3.1	3.1	-56.9	-3.4	-5.4	1028.3	586.0	-14.7
645	ok	0.05	0.3	1.13e-02	3.1	3.1	3.1	3.1	-52.8	-5.0	-4.7	961.8	530.0	-48.5
646	ok	0.05	0.2	1.02e-02	3.1	3.1	3.1	3.1	-47.6	-6.8	-4.0	869.1	452.5	-76.9
647	ok	0.05	0.2	8.87e-03	3.1	3.1	3.1	3.1	-41.1	-8.7	-3.1	753.8	351.7	-98.3
648	ok	0.05	0.2	7.33e-03	3.1	3.1	3.1	3.1	-33.4	-11.0	-2.2	620.2	224.8	-111.4
649	ok	0.05	0.1	5.64e-03	3.1	3.1	3.1	3.1	-24.7	-13.7	-3.9	472.9	68.2	-115.1
650	ok	0.05	0.1	4.30e-03	3.1	3.1	3.1	3.1	-18.1	-17.3	-1.5	320.8	-127.2	-107.5
651	ok	0.05	0.1	4.45e-03	3.1	3.1	3.1	3.1	-9.4	-20.5	-2.3	169.5	-370.8	-87.9
652	ok	0.05	0.2	5.04e-03	3.1	3.1	3.1	3.1	-2.5	-23.3	-4.1	29.6	-682.7	-52.8
653	ok	0.05	0.3	1.28e-03	3.1	3.1	3.1	3.1	12.4	24.9	-14.0	-86.9	-911.0	64.2
654	ok	0.05	0.2	3.67e-03	3.1	3.1	3.1	3.1	-5.9	26.2	-18.1	68.1	-482.1	75.1
655	ok	0.05	7.95e-02	6.28e-03	3.1	3.1	3.1	3.1	-23.1	25.6	-18.2	235.1	-150.1	87.3
656	ok	0.05	0.1	8.66e-03	3.1	3.1	3.1	3.1	-36.4	24.0	-14.9	401.3	105.7	95.7
657	ok	0.05	0.2	1.04e-02	3.1	3.1	3.1	3.1	-46.0	21.5	-13.7	558.4	298.3	99.4
658	ok	0.05	0.2	1.15e-02	3.1	3.1	3.1	3.1	-52.5	18.6	-12.3	697.8	440.6	98.0
659	ok	0.05	0.2	1.23e-02	3.1	3.1	3.1	3.1	-56.6	15.8	-11.1	813.8	541.2	91.7
660	ok	0.05	0.2	1.26e-02	3.1	3.1	3.1	3.1	-61.2	12.7	-10.1	902.3	607.1	81.2
661	ok	0.05	0.3	1.27e-02	3.1	3.1	3.1	3.1	-61.8	10.4	-9.2	961.0	643.1	67.8
662	ok	0.05	0.3	1.25e-02	3.1	3.1	3.1	3.1	-61.1	8.4	-8.4	988.6	652.9	52.3
663	ok	0.05	0.3	1.21e-02	3.1	3.1	3.1	3.1	-59.2	6.7	-7.7	984.9	638.8	36.1
664	ok	0.05	0.2	1.15e-02	3.1	3.1	3.1	3.1	-56.3	5.2	-7.0	951.1	602.0	20.4
665	ok	0.05	0.2	1.07e-02	3.1	3.1	3.1	3.1	-52.1	3.8	-6.4	889.1	542.8	6.3
666	ok	0.05	0.2	9.62e-03	3.1	3.1	3.1	3.1	-44.4	2.7	-5.8	801.6	460.7	-5.7
667	ok	0.05	0.2	8.33e-03	3.1	3.1	3.1	3.1	-37.9	0.8	-5.2	692.3	354.2	-14.1
668	ok	0.05	0.2	6.86e-03	3.1	3.1	3.1	3.1	-30.4	-1.4	-4.8	565.3	220.8	-18.7
669	ok	0.05	0.1	5.31e-03	3.1	3.1	3.1	3.1	-22.0	-4.0	-7.0	425.1	57.2	-19.6
670	ok	0.05	8.28e-02	3.98e-03	3.1	3.1	3.1	3.1	-13.5	-7.0	-4.7	279.4	-145.8	-17.2
671	ok	0.05	0.1	3.40e-03	3.1	3.1	3.1	3.1	-5.6	-9.9	-5.3	133.9	-398.0	-12.2
672	ok	0.05	0.2	3.55e-03	3.1	3.1	3.1	3.1	0.6	-12.4	-6.4	-1.0	-719.4	-5.7
673	ok	0.05	0.3	1.24e-03	3.1	3.1	3.1	3.1	14.1	24.8	-12.5	-88.8	-900.8	27.8
674	ok	0.05	0.2	3.42e-03	3.1	3.1	3.1	3.1	-4.8	26.1	-17.6	61.6	-483.0	2.0
675	ok	0.05	7.01e-02	5.92e-03	3.1	3.1	3.1	3.1	-23.2	25.8	-18.9	224.1	-157.1	-6.1
676	ok	0.05	0.1	8.21e-03	3.1	3.1	3.1	3.1	-35.6	25.0	-16.7	387.2	96.6	-5.3
677	ok	0.05	0.2	9.87e-03	3.1	3.1	3.1	3.1	-42.3	23.9	-18.3	543.2	289.2	1.2
678	ok	0.05	0.2	1.10e-02	3.1	3.1	3.1	3.1	-48.7	22.1	-14.8	681.3	434.3	9.2
679	ok	0.05	0.2	1.17e-02	3.1	3.1	3.1	3.1	-52.8	20.2	-13.5	797.6	537.8	17.9
680	ok	0.05	0.2	1.20e-02	3.1	3.1	3.1	3.1	-55.1	18.4	-12.2	887.2	606.4	26.4
681	ok	0.05	0.2	1.21e-02	3.1	3.1	3.1	3.1	-58.3	16.3	-11.0	947.2	644.7	34.2
682	ok	0.05	0.3	1.19e-02	3.1	3.1	3.1	3.1	-57.7	15.0	-9.9	975.9	656.1	41.3

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683	ok	0.05	0.3	1.15e-02	3.1	3.1	3.1	3.1	-56.0	13.9	-9.0	973.0	642.7	47.5
684	ok	0.05	0.2	1.09e-02	3.1	3.1	3.1	3.1	-53.1	13.0	-8.3	939.6	605.7	53.1
685	ok	0.05	0.2	1.01e-02	3.1	3.1	3.1	3.1	-49.1	12.0	-7.7	877.6	545.6	58.2
686	ok	0.05	0.2	9.10e-03	3.1	3.1	3.1	3.1	-43.9	10.9	-7.2	790.0	461.9	62.9
687	ok	0.05	0.2	7.87e-03	3.1	3.1	3.1	3.1	-37.6	9.5	-7.0	680.6	353.5	67.0
688	ok	0.05	0.2	6.48e-03	3.1	3.1	3.1	3.1	-30.2	7.8	-7.0	554.1	218.6	70.3
689	ok	0.05	0.1	5.02e-03	3.1	3.1	3.1	3.1	-22.1	5.6	-9.7	415.0	54.4	72.1
690	ok	0.05	8.36e-02	3.69e-03	3.1	3.1	3.1	3.1	-11.4	3.6	-7.6	271.6	-146.7	69.4
691	ok	0.05	0.1	2.75e-03	3.1	3.1	3.1	3.1	-3.7	1.0	-8.0	128.4	-393.8	60.2
692	ok	0.05	0.2	2.37e-03	3.1	3.1	3.1	3.1	-0.2	-1.7	-8.4	-4.6	-706.4	39.2
693	ok	0.05	0.3	1.15e-03	3.1	3.1	3.1	3.1	10.2	23.6	-13.5	-57.3	-832.5	-23.3
694	ok	0.05	0.1	3.22e-03	3.1	3.1	3.1	3.1	-7.3	24.6	-16.9	96.8	-443.1	-74.5
695	ok	0.05	8.38e-02	5.72e-03	3.1	3.1	3.1	3.1	-21.8	24.8	-19.1	263.5	-138.1	-100.8
696	ok	0.05	0.1	7.85e-03	3.1	3.1	3.1	3.1	-30.7	25.0	-17.6	431.0	101.8	-106.8
697	ok	0.05	0.2	9.38e-03	3.1	3.1	3.1	3.1	-41.5	23.7	-17.3	590.2	286.5	-99.4
698	ok	0.05	0.2	1.04e-02	3.1	3.1	3.1	3.1	-47.5	22.7	-16.3	733.3	426.2	-81.8
699	ok	0.05	0.2	1.10e-02	3.1	3.1	3.1	3.1	-51.4	21.8	-14.9	853.6	527.4	-57.8
700	ok	0.05	0.2	1.14e-02	3.1	3.1	3.1	3.1	-53.7	21.0	-13.5	946.1	595.2	-29.9
701	ok	0.05	0.3	1.14e-02	3.1	3.1	3.1	3.1	-54.5	20.4	-12.0	1007.6	633.6	2.23e-02
702	ok	0.05	0.3	1.13e-02	3.1	3.1	3.1	3.1	-54.1	20.0	-10.8	1036.3	645.7	30.3
703	ok	0.05	0.3	1.09e-02	3.1	3.1	3.1	3.1	-52.5	19.7	-9.7	1031.8	633.2	59.9
704	ok	0.05	0.3	1.03e-02	3.1	3.1	3.1	3.1	-49.9	19.5	-8.8	995.0	597.3	87.6
705	ok	0.05	0.3	9.56e-03	3.1	3.1	3.1	3.1	-46.1	19.3	-8.3	928.0	538.4	112.5
706	ok	0.05	0.2	8.59e-03	3.1	3.1	3.1	3.1	-41.2	19.0	-8.1	834.2	456.2	133.8
707	ok	0.05	0.2	7.43e-03	3.1	3.1	3.1	3.1	-35.2	18.5	-8.2	718.0	350.0	150.5
708	ok	0.05	0.2	6.12e-03	3.1	3.1	3.1	3.1	-28.1	17.6	-8.7	584.9	218.4	161.4
709	ok	0.05	0.1	4.71e-03	3.1	3.1	3.1	3.1	-17.6	16.7	-11.8	441.0	59.8	164.7
710	ok	0.05	0.1	3.34e-03	3.1	3.1	3.1	3.1	-9.4	15.0	-10.0	293.9	-130.8	157.5
711	ok	0.05	0.1	2.17e-03	3.1	3.1	3.1	3.1	-1.5	12.9	-10.4	149.4	-359.8	134.5
712	ok	0.05	0.2	1.56e-03	3.1	3.1	3.1	3.1	4.9	11.0	-10.2	17.0	-644.4	86.0
713	ok	0.05	0.2	1.11e-03	3.1	3.1	3.1	3.1	11.1	22.3	-12.4	7.1	-704.6	-77.9
714	ok	0.05	0.1	3.14e-03	3.1	3.1	3.1	3.1	-5.8	22.5	-16.6	170.5	-364.4	-162.0
715	ok	0.05	0.1	5.69e-03	3.1	3.1	3.1	3.1	-18.7	22.3	-19.3	348.1	-95.1	-205.8
716	ok	0.05	0.2	7.56e-03	3.1	3.1	3.1	3.1	-28.5	22.1	-18.0	527.1	119.8	-218.7
717	ok	0.05	0.2	8.87e-03	3.1	3.1	3.1	3.1	-35.9	22.1	-17.8	698.9	287.7	-207.7
718	ok	0.05	0.3	9.75e-03	3.1	3.1	3.1	3.1	-41.2	22.2	-16.7	853.0	415.7	-179.2
719	ok	0.05	0.3	1.03e-02	3.1	3.1	3.1	3.1	-44.9	22.4	-15.3	982.0	509.2	-138.3
720	ok	0.05	0.3	1.06e-02	3.1	3.1	3.1	3.1	-47.1	22.7	-13.6	1080.3	572.4	-89.1
721	ok	0.05	0.3	1.06e-02	3.1	3.1	3.1	3.1	-50.5	22.8	-12.0	1144.8	608.5	-34.9
722	ok	0.05	0.3	1.05e-02	3.1	3.1	3.1	3.1	-50.3	23.4	-13.0	1172.9	620.2	21.1
723	ok	0.05	0.3	1.02e-02	3.1	3.1	3.1	3.1	-49.0	24.1	-9.4	1164.3	609.0	76.0
724	ok	0.05	0.3	9.66e-03	3.1	3.1	3.1	3.1	-46.7	24.8	-8.5	1120.0	575.6	128.0
725	ok	0.05	0.3	8.96e-03	3.1	3.1	3.1	3.1	-43.3	25.6	-8.0	1042.3	520.4	174.8
726	ok	0.05	0.3	8.07e-03	3.1	3.1	3.1	3.1	-38.8	26.3	-8.0	935.0	443.1	214.2
727	ok	0.05	0.2	7.00e-03	3.1	3.1	3.1	3.1	-33.2	27.0	-8.3	803.3	343.3	244.3
728	ok	0.05	0.2	5.75e-03	3.1	3.1	3.1	3.1	-24.0	27.9	-9.2	654.2	220.2	262.5
729	ok	0.05	0.2	4.37e-03	3.1	3.1	3.1	3.1	-16.2	27.9	-10.3	495.8	73.0	266.7
730	ok	0.05	0.1	2.94e-03	3.1	3.1	3.1	3.1	-7.7	27.4	-11.5	337.0	-99.2	253.4
731	ok	0.05	0.1	1.56e-03	3.1	3.1	3.1	3.1	0.9	26.3	-12.2	187.0	-298.4	215.6
732	ok	0.05	0.2	7.41e-04	3.1	3.1	3.1	3.1	8.1	24.8	-11.8	54.5	-534.5	140.0
733	ok	0.05	0.2	1.31e-03	3.1	3.1	3.1	3.1	8.5	17.0	-12.4	89.1	-515.8	-154.1
734	ok	0.05	0.1	3.59e-03	3.1	3.1	3.1	3.1	-7.0	16.1	-17.0	264.6	-250.9	-273.7
735	ok	0.05	0.2	5.75e-03	3.1	3.1	3.1	3.1	-17.9	15.9	-19.4	465.4	-31.3	-336.4
736	ok	0.05	0.2	7.24e-03	3.1	3.1	3.1	3.1	-26.2	16.4	-20.0	672.0	147.4	-354.2
737	ok	0.05	0.3	8.28e-03	3.1	3.1	3.1	3.1	-32.5	17.6	-17.2	867.7	289.5	-337.7
738	ok	0.05	0.3	8.99e-03	3.1	3.1	3.1	3.1	-37.3	19.1	-15.9	1042.5	398.5	-294.1
739	ok	0.05	0.3	9.44e-03	3.1	3.1	3.1	3.1	-40.7	20.7	-14.4	1186.9	478.9	-231.4
740	ok	0.05	0.3	9.69e-03	3.1	3.1	3.1	3.1	-42.9	22.4	-12.6	1295.2	533.8	-155.7
741	ok	0.05	0.4	9.75e-03	3.1	3.1	3.1	3.1	-43.9	24.1	-11.0	1363.9	565.7	-72.4
742	ok	0.05	0.4	9.65e-03	3.1	3.1	3.1	3.1	-46.4	25.4	-11.8	1390.0	577.3	14.3
743	ok	0.05	0.4	9.38e-03	3.1	3.1	3.1	3.1	-43.0	27.7	-10.5	1375.9	566.5	100.1
744	ok	0.05	0.4	8.94e-03	3.1	3.1	3.1	3.1	-41.0	29.5	-9.5	1319.7	537.3	181.4
745	ok	0.05	0.3	8.32e-03	3.1	3.1	3.1	3.1	-38.1	31.4	-6.8	1225.0	488.5	254.3
746	ok	0.05	0.3	7.53e-03	3.1	3.1	3.1	3.1	-34.1	33.3	-6.7	1095.3	420.2	315.9
747	ok	0.05	0.3	6.54e-03	3.1	3.1	3.1	3.1	-28.9	35.3	-7.1	936.7	331.9	362.4
748	ok	0.05	0.3	5.36e-03	3.1	3.1	3.1	3.1	-22.7	37.3	-8.1	757.2	223.5	389.7
749	ok	0.05	0.2	4.01e-03	3.1	3.1	3.1	3.1	-15.2	39.3	-9.6	567.8	95.1	393.7
750	ok	0.05	0.2	2.51e-03	3.1	3.1	3.1	3.1	-6.7	41.0	-11.4	382.1	-51.3	369.9
751	ok	0.05	0.1	9.12e-04	3.1	3.1	3.1	3.1	3.0	42.1	-15.4	214.7	-211.2	313.3
752	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	11.6	41.5	-13.1	83.2	-378.7	204.4
753	ok	0.05	0.1	2.10e-03	3.1	3.1	3.1	3.1	2.8	3.8	-13.8	135.4	-288.1	-234.0
754	ok	0.05	0.2	4.37e-03	3.1	3.1	3.1	3.1	-7.5	3.6	-16.0	331.9	-96.6	-473.5
755	ok	0.05	0.3	5.77e-03	3.1	3.1	3.1	3.1	-16.3	4.9	-16.9	598.4	53.0	-560.8
756	ok	0.05	0.3	6.77e-03	3.1	3.1	3.1	3.1	-23.3	7.6	-16.6	862.6	179.0	-578.5
757	ok	0.05	0.4	7.51e-03	3.1	3.1	3.1	3.1	-28.9	10.8	-15.6	1105.3	281.1	-544.0
758	ok	0.05	0.4	8.07e-03	3.1	3.1	3.1	3.1	-33.3	14.2	-14.2	1314.7	361.5	-471.1
759	ok	0.05	0.4	8.47e-03	3.1	3.1	3.1	3.1	-36.5	17.6	-12.6	1483.8	422.0	-370.9
760	ok	0.05	0.4	8.71e-03	3.1	3.1	3.1	3.1	-38.6	20.8	-10.9	1607.7	464.1	-252.5

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761	ok	0.05	0.4	8.80e-03	3.1	3.1	3.1	3.1	-39.8	23.9	-9.3	1683.6	489.0	-123.2
762	ok	0.05	0.4	8.75e-03	3.1	3.1	3.1	3.1	-40.0	26.9	-8.6	1709.9	497.5	13.4
763	ok	0.05	0.4	8.55e-03	3.1	3.1	3.1	3.1	-39.4	29.7	-7.3	1686.2	490.2	146.4
764	ok	0.05	0.4	8.19e-03	3.1	3.1	3.1	3.1	-37.8	32.5	-6.4	1613.3	467.3	273.2
765	ok	0.05	0.4	7.65e-03	3.1	3.1	3.1	3.1	-35.2	35.4	-5.8	1493.2	428.9	388.7
766	ok	0.05	0.4	6.94e-03	3.1	3.1	3.1	3.1	-31.7	38.4	-5.6	1329.4	375.3	487.3
767	ok	0.05	0.4	6.03e-03	3.1	3.1	3.1	3.1	-27.1	41.7	-5.8	1127.3	306.5	562.9
768	ok	0.05	0.3	4.92e-03	3.1	3.1	3.1	3.1	-21.4	45.5	-6.5	895.2	223.2	608.5
769	ok	0.05	0.3	3.59e-03	3.1	3.1	3.1	3.1	-14.5	49.9	-7.7	645.1	126.4	616.1
770	ok	0.05	0.2	2.05e-03	3.1	3.1	3.1	3.1	-6.2	55.0	-9.5	395.1	19.7	576.5
771	ok	0.05	0.2	4.42e-04	3.1	3.1	3.1	3.1	3.4	61.0	-11.8	171.9	-87.6	479.8
772	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	12.6	63.8	-14.6	35.6	-202.6	262.0
773	ok	0.05	6.83e-02	5.78e-03	3.1	3.1	3.1	3.1	1.2	-20.7	-15.7	177.9	-160.6	-112.4
774	ok	0.05	0.1	5.85e-03	3.1	3.1	3.1	3.1	-8.3	-16.3	-16.5	479.4	-22.4	-164.2
775	ok	0.05	0.2	5.90e-03	3.1	3.1	3.1	3.1	-16.0	-10.3	-16.1	793.0	110.7	-186.4
776	ok	0.05	0.3	6.22e-03	3.1	3.1	3.1	3.1	-22.5	-4.0	-15.4	1090.6	224.0	-187.8
777	ok	0.05	0.4	6.68e-03	3.1	3.1	3.1	3.1	-27.7	2.1	-14.3	1357.9	316.6	-174.1
778	ok	0.05	0.4	7.14e-03	3.1	3.1	3.1	3.1	-31.8	7.9	-13.1	1585.5	390.2	-149.8
779	ok	0.05	0.5	7.52e-03	3.1	3.1	3.1	3.1	-34.9	13.3	-11.8	1767.2	446.0	-117.9
780	ok	0.05	0.5	7.78e-03	3.1	3.1	3.1	3.1	-37.1	18.2	-10.4	1898.8	485.1	-81.0
781	ok	0.05	0.5	7.92e-03	3.1	3.1	3.1	3.1	-38.3	22.6	-9.1	1977.6	508.2	-41.2
782	ok	0.05	0.5	7.92e-03	3.1	3.1	3.1	3.1	-38.7	26.6	-1.5	2001.8	515.9	5.7
783	ok	0.05	0.5	7.78e-03	3.1	3.1	3.1	3.1	-38.3	30.4	-0.4	1971.1	508.3	46.6
784	ok	0.05	0.5	7.48e-03	3.1	3.1	3.1	3.1	-36.9	33.9	0.5	1885.4	485.7	85.8
785	ok	0.05	0.5	7.01e-03	3.1	3.1	3.1	3.1	-34.7	37.5	1.2	1746.3	448.2	121.9
786	ok	0.05	0.4	6.35e-03	3.1	3.1	3.1	3.1	-31.5	41.3	1.7	1556.5	395.6	153.2
787	ok	0.05	0.4	5.50e-03	3.1	3.1	3.1	3.1	-27.2	45.5	1.9	1320.7	328.3	177.9
788	ok	0.05	0.3	4.42e-03	3.1	3.1	3.1	3.1	-21.9	50.5	2.0	1046.4	246.7	193.6
789	ok	0.05	0.2	3.10e-03	3.1	3.1	3.1	3.1	-15.2	56.8	2.0	745.3	152.0	197.7
790	ok	0.05	0.1	1.52e-03	3.1	3.1	3.1	3.1	-7.3	65.1	1.9	435.6	47.8	186.5
791	ok	0.05	7.16e-02	3.19e-05	3.1	3.1	3.1	3.1	1.8	76.6	1.9	147.1	-55.7	156.0
792	ok	0.05	8.71e-02	0.0	3.1	3.1	3.1	3.1	11.4	92.4	-3.0	-78.8	-149.0	99.0
1034	ok	0.05	8.06e-02	1.90e-03	3.1	3.1	3.1	3.1	41.9	-7.7	-9.7	145.1	-278.3	-8.2
1035	ok	0.05	0.5	1.45e-02	3.1	3.1	3.1	3.1	-69.1	-52.9	7.6	1990.6	474.5	30.5
1036	ok	0.05	0.4	1.39e-02	3.1	3.1	3.1	3.1	-64.8	-56.2	8.2	1803.5	422.1	97.8
1041	ok	0.05	0.2	1.12e-02	3.1	3.1	3.1	3.1	-27.4	-52.0	5.2	742.3	86.5	179.6
1042	ok	0.05	0.4	1.41e-02	3.1	3.1	3.1	3.1	-62.2	-44.3	-14.8	1718.3	388.1	-191.7
1044	ok	0.05	0.4	1.31e-02	3.1	3.1	3.1	3.1	-56.1	-58.0	7.8	1480.4	329.0	153.0
1047	ok	0.05	0.5	1.49e-02	3.1	3.1	3.1	3.1	-70.5	-49.6	-10.2	2050.0	491.5	-52.8
1050	ok	0.05	0.2	9.67e-03	3.1	3.1	3.1	3.1	-27.3	-34.1	-17.4	843.8	51.2	-221.7
1051	ok	0.05	0.1	6.61e-03	3.1	3.1	3.1	3.1	0.8	-24.7	-16.9	405.6	-155.4	-177.0
1052	ok	0.05	0.4	1.32e-02	3.1	3.1	3.1	3.1	-55.4	-42.4	-15.9	1503.7	313.5	-216.1
1053	ok	0.05	0.3	1.20e-02	3.1	3.1	3.1	3.1	-39.7	-55.6	6.1	1016.0	183.5	182.5
1054	ok	0.05	0.5	1.42e-02	3.1	3.1	3.1	3.1	-67.4	-54.6	8.0	1913.2	452.8	65.2
1056	ok	0.05	7.26e-02	8.70e-03	3.1	3.1	3.1	3.1	5.6	-41.8	5.2	224.7	-157.8	105.7
1057	ok	0.05	0.3	1.18e-02	3.1	3.1	3.1	3.1	-44.6	-39.4	-16.8	1215.3	205.1	-228.9
1060	ok	0.05	0.4	1.35e-02	3.1	3.1	3.1	3.1	-61.1	-57.4	8.2	1659.7	381.2	127.6
1061	ok	0.05	0.5	1.48e-02	3.1	3.1	3.1	3.1	-70.1	-51.2	-9.3	2036.3	487.4	-15.9
1065	ok	0.05	0.5	1.46e-02	3.1	3.1	3.1	3.1	-66.4	-45.6	-13.6	1871.0	437.8	-160.8
1066	ok	0.05	0.5	1.49e-02	3.1	3.1	3.1	3.1	-68.9	-46.8	-12.4	1972.2	468.9	-126.2
1067	ok	0.05	0.3	1.26e-02	3.1	3.1	3.1	3.1	-49.1	-57.5	7.1	1264.9	263.7	172.3
1068	ok	0.05	0.1	1.00e-02	3.1	3.1	3.1	3.1	-11.8	-46.9	4.6	464.4	-28.6	157.1
1073	ok	0.05	0.5	1.49e-02	3.1	3.1	3.1	3.1	-70.1	-48.1	-11.2	2029.9	485.9	-89.8
1307	ok	0.05	6.59e-02	3.79e-03	3.1	3.1	3.1	3.1	12.1	-17.4	6.9	6.0	-213.7	6.0
1320	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	55.3	16.1	6.7	82.2	-568.3	-27.5
1333	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	53.4	25.1	10.3	-18.2	-1007.6	-16.9
1346	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	44.7	26.4	11.7	-122.1	-1279.0	-11.5
1359	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	37.9	25.4	12.1	-190.6	-1411.7	-10.7
1372	ok	0.05	0.5	0.0	3.1	3.1	3.1	3.1	33.0	24.1	11.9	-220.2	-1453.8	-12.0
1385	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	32.9	23.6	11.3	-218.4	-1427.3	-14.0
1398	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	32.2	22.8	10.3	-187.7	-1333.7	-15.2
1411	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	32.8	21.2	8.9	-126.5	-1155.9	-14.4
1424	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	30.1	15.9	7.3	-45.0	-865.0	-9.7
1437	ok	0.05	0.1	1.25e-04	3.1	3.1	3.1	3.1	26.2	4.3	5.7	20.0	-455.9	-0.4
1449	ok	0.05	0.1	9.38e-03	3.1	3.1	3.1	3.1	4.4	-44.6	-1.9	180.0	-265.7	240.9
1450	ok	0.05	0.2	9.30e-03	3.1	3.1	3.1	3.1	-11.8	-43.3	-0.6	349.8	-85.2	458.6
1451	ok	0.05	0.2	9.49e-03	3.1	3.1	3.1	3.1	-26.1	-42.6	-8.27e-02	588.9	39.9	540.8
1452	ok	0.05	0.3	9.84e-03	3.1	3.1	3.1	3.1	-38.3	-42.8	1.6	831.2	145.4	561.9
1453	ok	0.05	0.3	1.05e-02	3.1	3.1	3.1	3.1	-47.8	-43.0	3.5	1057.4	233.1	537.9
1454	ok	0.05	0.4	1.14e-02	3.1	3.1	3.1	3.1	-55.1	-42.8	5.0	1257.5	305.0	480.7
1455	ok	0.05	0.4	1.25e-02	3.1	3.1	3.1	3.1	-60.6	-42.3	6.0	1426.5	362.6	399.0
1456	ok	0.05	0.4	1.33e-02	3.1	3.1	3.1	3.1	-64.7	-41.3	6.6	1562.5	407.6	299.5
1457	ok	0.05	0.4	1.38e-02	3.1	3.1	3.1	3.1	-67.6	-40.0	6.7	1665.0	441.0	187.2
1458	ok	0.05	0.4	1.42e-02	3.1	3.1	3.1	3.1	-69.7	-38.4	6.4	1733.8	463.6	66.2
1459	ok	0.05	0.4	1.44e-02	3.1	3.1	3.1	3.1	-70.9	-36.6	-4.4	1768.7	475.7	-64.8
1460	ok	0.05	0.4	1.44e-02	3.1	3.1	3.1	3.1	-71.5	-34.5	-5.3	1768.3	476.8	-193.5
1461	ok	0.05	0.4	1.44e-02	3.1	3.1	3.1	3.1	-71.2	-32.2	-6.3	1730.7	466.0	-320.8
1462	ok	0.05	0.4	1.42e-02	3.1	3.1	3.1	3.1	-70.0	-29.5	-7.3	1653.0	441.1	-442.4

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1463	ok	0.05	0.4	1.38e-02	3.1	3.1	3.1	3.1	-67.4	-26.4	-8.1	1531.1	399.1	-552.4
1464	ok	0.05	0.4	1.29e-02	3.1	3.1	3.1	3.1	-63.0	-22.5	-8.7	1360.6	335.3	-642.5
1465	ok	0.05	0.4	1.15e-02	3.1	3.1	3.1	3.1	-55.8	-17.5	-8.7	1137.2	243.3	-700.8
1466	ok	0.05	0.3	9.22e-03	3.1	3.1	3.1	3.1	-44.5	-10.9	-7.8	860.2	114.8	-710.0
1467	ok	0.05	0.3	5.52e-03	3.1	3.1	3.1	3.1	-26.4	-2.2	-5.6	539.1	-57.8	-645.4
1468	ok	0.05	0.2	1.30e-03	3.1	3.1	3.1	3.1	2.8	7.5	7.7	228.2	-258.0	-449.9
1469	ok	0.05	0.1	8.14e-03	3.1	3.1	3.1	3.1	-0.5	-40.6	-1.5	151.8	-449.4	175.9
1470	ok	0.05	0.1	7.67e-03	3.1	3.1	3.1	3.1	-11.0	-37.6	-4.6	306.6	-220.8	276.5
1471	ok	0.05	0.2	7.34e-03	3.1	3.1	3.1	3.1	-22.9	-34.9	-5.1	488.3	-35.9	331.1
1472	ok	0.05	0.2	7.50e-03	3.1	3.1	3.1	3.1	-34.0	-32.8	-1.1	677.6	114.7	350.1
1473	ok	0.05	0.3	8.78e-03	3.1	3.1	3.1	3.1	-43.5	-31.3	0.6	862.2	236.1	339.2
1474	ok	0.05	0.3	1.03e-02	3.1	3.1	3.1	3.1	-51.2	-30.2	2.2	1030.2	333.4	304.8
1475	ok	0.05	0.3	1.15e-02	3.1	3.1	3.1	3.1	-57.2	-29.0	3.5	1175.0	410.2	252.0
1476	ok	0.05	0.3	1.24e-02	3.1	3.1	3.1	3.1	-61.7	-27.8	4.3	1292.5	469.2	184.7
1477	ok	0.05	0.3	1.31e-02	3.1	3.1	3.1	3.1	-65.1	-26.4	4.7	1380.0	512.3	106.8
1478	ok	0.05	0.4	1.36e-02	3.1	3.1	3.1	3.1	-67.6	-24.7	4.7	1435.7	540.6	21.5
1479	ok	0.05	0.4	1.39e-02	3.1	3.1	3.1	3.1	-69.1	-22.7	1.3	1458.3	554.4	-68.4
1480	ok	0.05	0.4	1.40e-02	3.1	3.1	3.1	3.1	-69.8	-20.2	0.7	1446.3	553.1	-158.8
1481	ok	0.05	0.4	1.39e-02	3.1	3.1	3.1	3.1	-69.5	-17.4	0.2	1398.3	534.9	-246.4
1482	ok	0.05	0.4	1.36e-02	3.1	3.1	3.1	3.1	-68.2	-13.9	-0.2	1313.0	497.0	-327.0
1483	ok	0.05	0.3	1.30e-02	3.1	3.1	3.1	3.1	-65.3	-9.8	-0.4	1189.3	434.8	-395.2
1484	ok	0.05	0.3	1.20e-02	3.1	3.1	3.1	3.1	-60.2	-4.9	3.95e-02	1027.5	341.7	-444.4
1485	ok	0.05	0.3	1.05e-02	3.1	3.1	3.1	3.1	-52.2	0.8	1.3	830.3	208.6	-466.3
1486	ok	0.05	0.2	8.06e-03	3.1	3.1	3.1	3.1	-39.7	7.5	3.5	605.8	24.2	-451.2
1487	ok	0.05	0.2	4.56e-03	3.1	3.1	3.1	3.1	-20.3	14.6	9.7	373.5	-224.9	-386.7
1488	ok	0.05	0.2	8.98e-04	3.1	3.1	3.1	3.1	8.6	21.2	12.6	156.1	-551.3	-258.7
1489	ok	0.05	0.2	6.65e-03	3.1	3.1	3.1	3.1	-2.0	-32.7	1.6	85.6	-593.4	107.9
1490	ok	0.05	0.1	5.97e-03	3.1	3.1	3.1	3.1	-10.3	-29.7	-1.0	231.9	-312.0	173.0
1491	ok	0.05	0.1	5.39e-03	3.1	3.1	3.1	3.1	-20.3	-26.5	-1.9	393.4	-90.7	208.3
1492	ok	0.05	0.2	6.11e-03	3.1	3.1	3.1	3.1	-30.3	-23.6	1.0	558.4	87.6	220.8
1493	ok	0.05	0.2	7.92e-03	3.1	3.1	3.1	3.1	-39.5	-21.1	-0.3	719.3	230.4	214.1
1494	ok	0.05	0.2	9.51e-03	3.1	3.1	3.1	3.1	-47.2	-19.2	1.0	866.0	345.5	191.8
1495	ok	0.05	0.3	1.08e-02	3.1	3.1	3.1	3.1	-53.6	-17.5	4.6	992.6	436.7	156.4
1496	ok	0.05	0.3	1.18e-02	3.1	3.1	3.1	3.1	-58.6	-16.0	5.5	1095.5	506.5	110.0
1497	ok	0.05	0.3	1.26e-02	3.1	3.1	3.1	3.1	-62.4	-14.3	6.1	1170.8	557.0	55.5
1498	ok	0.05	0.3	1.31e-02	3.1	3.1	3.1	3.1	-65.1	-12.5	3.9	1216.2	589.5	-4.9
1499	ok	0.05	0.3	1.35e-02	3.1	3.1	3.1	3.1	-66.8	-10.4	3.9	1229.5	604.0	-67.9
1500	ok	0.05	0.3	1.36e-02	3.1	3.1	3.1	3.1	-67.6	-7.9	3.9	1209.6	599.5	-131.0
1501	ok	0.05	0.3	1.36e-02	3.1	3.1	3.1	3.1	-67.3	-4.8	3.9	1155.7	574.1	-191.0
1502	ok	0.05	0.3	1.32e-02	3.1	3.1	3.1	3.1	-65.7	-1.2	4.1	1067.6	524.3	-244.2
1503	ok	0.05	0.3	1.26e-02	3.1	3.1	3.1	3.1	-62.3	2.9	4.6	946.4	444.8	-286.7
1504	ok	0.05	0.3	1.15e-02	3.1	3.1	3.1	3.1	-56.6	7.6	5.7	794.4	328.2	-313.8
1505	ok	0.05	0.2	9.81e-03	3.1	3.1	3.1	3.1	-45.1	13.0	7.6	617.6	164.7	-320.8
1506	ok	0.05	0.2	7.37e-03	3.1	3.1	3.1	3.1	-31.5	18.0	12.4	423.8	-57.8	-302.8
1507	ok	0.05	0.1	4.17e-03	3.1	3.1	3.1	3.1	-12.3	22.4	15.0	223.6	-352.4	-254.3
1508	ok	0.05	0.3	1.04e-03	3.1	3.1	3.1	3.1	11.5	25.2	16.2	35.5	-743.1	-165.6
1509	ok	0.05	0.2	5.04e-03	3.1	3.1	3.1	3.1	-2.5	-23.3	4.1	29.6	-682.7	52.8
1510	ok	0.05	0.1	4.45e-03	3.1	3.1	3.1	3.1	-9.4	-20.5	2.3	169.5	-370.8	87.9
1511	ok	0.05	0.1	4.30e-03	3.1	3.1	3.1	3.1	-18.1	-17.3	1.5	320.8	-127.2	107.5
1512	ok	0.05	0.1	5.64e-03	3.1	3.1	3.1	3.1	-24.7	-13.7	3.9	472.9	68.2	115.1
1513	ok	0.05	0.2	7.33e-03	3.1	3.1	3.1	3.1	-33.4	-11.0	2.2	620.2	224.8	111.4
1514	ok	0.05	0.2	8.87e-03	3.1	3.1	3.1	3.1	-41.1	-8.7	3.1	753.8	351.7	98.3
1515	ok	0.05	0.2	1.02e-02	3.1	3.1	3.1	3.1	-47.6	-6.8	4.0	869.1	452.5	76.9
1516	ok	0.05	0.3	1.13e-02	3.1	3.1	3.1	3.1	-52.8	-5.0	4.7	961.8	530.0	48.5
1517	ok	0.05	0.3	1.21e-02	3.1	3.1	3.1	3.1	-56.9	-3.4	5.4	1028.3	586.0	14.7
1518	ok	0.05	0.3	1.27e-02	3.1	3.1	3.1	3.1	-62.3	-2.1	5.9	1066.1	621.4	-22.9
1519	ok	0.05	0.3	1.30e-02	3.1	3.1	3.1	3.1	-64.2	-5.92e-02	6.3	1073.2	635.9	-61.8
1520	ok	0.05	0.3	1.32e-02	3.1	3.1	3.1	3.1	-64.9	2.3	6.7	1048.3	628.5	-100.3
1521	ok	0.05	0.3	1.31e-02	3.1	3.1	3.1	3.1	-64.5	5.2	7.2	991.3	597.0	-136.1
1522	ok	0.05	0.3	1.28e-02	3.1	3.1	3.1	3.1	-60.1	8.9	7.9	903.0	537.3	-166.5
1523	ok	0.05	0.2	1.21e-02	3.1	3.1	3.1	3.1	-56.3	12.5	8.9	785.0	444.7	-189.3
1524	ok	0.05	0.2	1.09e-02	3.1	3.1	3.1	3.1	-50.0	16.4	10.3	641.0	311.7	-201.9
1525	ok	0.05	0.2	9.20e-03	3.1	3.1	3.1	3.1	-40.5	20.1	12.0	476.4	129.1	-201.9
1526	ok	0.05	0.1	6.77e-03	3.1	3.1	3.1	3.1	-26.7	23.2	16.2	300.2	-116.5	-187.1
1527	ok	0.05	0.2	3.92e-03	3.1	3.1	3.1	3.1	-8.3	25.3	17.6	121.0	-438.5	-155.7
1528	ok	0.05	0.3	1.21e-03	3.1	3.1	3.1	3.1	12.7	25.4	14.8	-47.8	-858.7	-107.9
1529	ok	0.05	0.2	3.55e-03	3.1	3.1	3.1	3.1	0.6	-12.4	6.4	-1.0	-719.4	5.7
1530	ok	0.05	0.1	3.40e-03	3.1	3.1	3.1	3.1	-5.6	-9.9	5.3	133.9	-398.0	12.2
1531	ok	0.05	8.28e-02	3.98e-03	3.1	3.1	3.1	3.1	-13.5	-7.0	4.7	279.4	-145.8	17.2
1532	ok	0.05	0.1	5.31e-03	3.1	3.1	3.1	3.1	-22.0	-4.0	7.0	425.1	57.2	19.6
1533	ok	0.05	0.2	6.86e-03	3.1	3.1	3.1	3.1	-30.4	-1.4	4.8	565.3	220.8	18.7
1534	ok	0.05	0.2	8.33e-03	3.1	3.1	3.1	3.1	-37.9	0.8	5.2	692.3	354.2	14.1
1535	ok	0.05	0.2	9.62e-03	3.1	3.1	3.1	3.1	-44.4	2.7	5.8	801.6	460.7	5.7
1536	ok	0.05	0.2	1.07e-02	3.1	3.1	3.1	3.1	-52.1	3.8	6.4	889.1	542.8	-6.3
1537	ok	0.05	0.2	1.15e-02	3.1	3.1	3.1	3.1	-56.3	5.2	7.0	951.1	602.0	-20.4
1538	ok	0.05	0.3	1.21e-02	3.1	3.1	3.1	3.1	-59.2	6.7	7.7	984.9	638.8	-36.1
1539	ok	0.05	0.3	1.25e-02	3.1	3.1	3.1	3.1	-61.1	8.4	8.4	988.6	652.9	-52.3
1540	ok	0.05	0.3	1.27e-02	3.1	3.1	3.1	3.1	-61.8	10.4	9.2	961.0	643.1	-67.8

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1541	ok	0.05	0.2	1.26e-02	3.1	3.1	3.1	3.1	-61.2	12.7	10.1	902.3	607.1	-81.2
1542	ok	0.05	0.2	1.23e-02	3.1	3.1	3.1	3.1	-56.6	15.8	11.1	813.8	541.2	-91.7
1543	ok	0.05	0.2	1.15e-02	3.1	3.1	3.1	3.1	-52.5	18.6	12.3	697.8	440.6	-98.0
1544	ok	0.05	0.2	1.04e-02	3.1	3.1	3.1	3.1	-46.0	21.5	13.7	558.4	298.3	-99.4
1545	ok	0.05	0.1	8.66e-03	3.1	3.1	3.1	3.1	-36.4	24.0	14.9	401.3	105.7	-95.7
1546	ok	0.05	7.95e-02	6.28e-03	3.1	3.1	3.1	3.1	-23.1	25.6	18.2	235.1	-150.1	-87.3
1547	ok	0.05	0.2	3.67e-03	3.1	3.1	3.1	3.1	-5.9	26.2	18.1	68.1	-482.1	-75.1
1548	ok	0.05	0.3	1.28e-03	3.1	3.1	3.1	3.1	12.4	24.9	14.0	-86.9	-911.0	-64.2
1549	ok	0.05	0.2	2.37e-03	3.1	3.1	3.1	3.1	-0.2	-1.7	8.4	-4.6	-706.4	-39.2
1550	ok	0.05	0.1	2.75e-03	3.1	3.1	3.1	3.1	-6.2	0.5	8.0	127.8	-394.0	-60.5
1551	ok	0.05	8.36e-02	3.69e-03	3.1	3.1	3.1	3.1	-11.4	3.6	7.6	271.6	-146.7	-69.4
1552	ok	0.05	0.1	5.02e-03	3.1	3.1	3.1	3.1	-22.1	5.6	9.7	415.0	54.4	-72.1
1553	ok	0.05	0.2	6.48e-03	3.1	3.1	3.1	3.1	-30.2	7.8	7.0	554.1	218.6	-70.3
1554	ok	0.05	0.2	7.87e-03	3.1	3.1	3.1	3.1	-37.6	9.5	7.0	680.6	353.5	-67.0
1555	ok	0.05	0.2	9.10e-03	3.1	3.1	3.1	3.1	-43.9	10.9	7.2	790.0	461.9	-62.9
1556	ok	0.05	0.2	1.01e-02	3.1	3.1	3.1	3.1	-49.1	12.0	7.7	877.6	545.6	-58.2
1557	ok	0.05	0.2	1.09e-02	3.1	3.1	3.1	3.1	-53.1	13.0	8.3	939.6	605.7	-53.1
1558	ok	0.05	0.3	1.15e-02	3.1	3.1	3.1	3.1	-56.0	13.9	9.0	973.0	642.7	-47.5
1559	ok	0.05	0.3	1.19e-02	3.1	3.1	3.1	3.1	-57.7	15.0	9.9	975.9	656.1	-41.3
1560	ok	0.05	0.2	1.21e-02	3.1	3.1	3.1	3.1	-58.3	16.3	11.0	947.2	644.7	-34.2
1561	ok	0.05	0.2	1.20e-02	3.1	3.1	3.1	3.1	-55.1	18.4	12.2	887.2	606.4	-26.4
1562	ok	0.05	0.2	1.17e-02	3.1	3.1	3.1	3.1	-52.8	20.2	13.5	797.6	537.8	-17.9
1563	ok	0.05	0.2	1.10e-02	3.1	3.1	3.1	3.1	-48.7	22.1	14.8	681.3	434.3	-9.2
1564	ok	0.05	0.2	9.87e-03	3.1	3.1	3.1	3.1	-42.3	23.9	18.3	543.2	289.2	-1.2
1565	ok	0.05	0.1	8.21e-03	3.1	3.1	3.1	3.1	-35.6	25.0	16.7	387.2	96.6	5.3
1566	ok	0.05	7.01e-02	5.92e-03	3.1	3.1	3.1	3.1	-23.2	25.8	18.9	224.1	-157.1	6.1
1567	ok	0.05	0.2	3.42e-03	3.1	3.1	3.1	3.1	-4.8	26.1	17.6	61.6	-483.0	-2.0
1568	ok	0.05	0.3	1.24e-03	3.1	3.1	3.1	3.1	14.1	24.8	12.5	-88.7	-900.8	-27.8
1569	ok	0.05	0.2	1.56e-03	3.1	3.1	3.1	3.1	4.9	11.0	10.2	17.0	-644.4	-86.0
1570	ok	0.05	0.1	2.17e-03	3.1	3.1	3.1	3.1	-1.5	12.9	10.4	149.4	-359.8	-134.5
1571	ok	0.05	0.1	3.34e-03	3.1	3.1	3.1	3.1	-9.4	15.0	10.0	293.9	-130.8	-157.5
1572	ok	0.05	0.1	4.71e-03	3.1	3.1	3.1	3.1	-17.6	16.7	11.8	441.0	59.8	-164.7
1573	ok	0.05	0.2	6.12e-03	3.1	3.1	3.1	3.1	-28.1	17.6	8.7	584.9	218.4	-161.4
1574	ok	0.05	0.2	7.43e-03	3.1	3.1	3.1	3.1	-35.2	18.5	8.2	718.0	350.0	-150.5
1575	ok	0.05	0.2	8.59e-03	3.1	3.1	3.1	3.1	-41.2	19.0	8.1	834.2	456.2	-133.8
1576	ok	0.05	0.3	9.56e-03	3.1	3.1	3.1	3.1	-46.1	19.3	8.3	928.0	538.4	-112.5
1577	ok	0.05	0.3	1.03e-02	3.1	3.1	3.1	3.1	-49.9	19.5	8.8	995.0	597.3	-87.6
1578	ok	0.05	0.3	1.09e-02	3.1	3.1	3.1	3.1	-52.5	19.7	9.7	1031.8	633.2	-59.9
1579	ok	0.05	0.3	1.13e-02	3.1	3.1	3.1	3.1	-54.1	20.0	10.8	1036.3	645.7	-30.3
1580	ok	0.05	0.3	1.14e-02	3.1	3.1	3.1	3.1	-54.5	20.4	12.0	1007.6	633.6	-2.23e-02
1581	ok	0.05	0.2	1.14e-02	3.1	3.1	3.1	3.1	-53.7	21.0	13.5	946.1	595.2	29.9
1582	ok	0.05	0.2	1.10e-02	3.1	3.1	3.1	3.1	-51.4	21.8	14.9	853.6	527.4	57.8
1583	ok	0.05	0.2	1.04e-02	3.1	3.1	3.1	3.1	-47.5	22.7	16.3	733.3	426.2	81.8
1584	ok	0.05	0.2	9.38e-03	3.1	3.1	3.1	3.1	-41.5	23.7	17.3	590.2	286.5	99.4
1585	ok	0.05	0.1	7.85e-03	3.1	3.1	3.1	3.1	-30.7	25.0	17.6	431.0	101.8	106.8
1586	ok	0.05	8.38e-02	5.72e-03	3.1	3.1	3.1	3.1	-21.8	24.8	19.1	263.5	-138.1	100.8
1587	ok	0.05	0.1	3.22e-03	3.1	3.1	3.1	3.1	-7.3	24.6	16.9	96.8	-443.1	74.5
1588	ok	0.05	0.3	1.15e-03	3.1	3.1	3.1	3.1	10.2	23.6	13.5	-57.3	-832.5	23.3
1589	ok	0.05	0.2	7.41e-04	3.1	3.1	3.1	3.1	8.1	24.8	11.8	54.5	-534.5	-140.0
1590	ok	0.05	0.1	1.56e-03	3.1	3.1	3.1	3.1	0.9	26.3	12.2	187.0	-298.4	-215.6
1591	ok	0.05	0.1	2.94e-03	3.1	3.1	3.1	3.1	-7.7	27.4	11.5	337.0	-99.2	-253.4
1592	ok	0.05	0.2	4.37e-03	3.1	3.1	3.1	3.1	-16.2	27.9	10.3	495.8	73.0	-266.7
1593	ok	0.05	0.2	5.75e-03	3.1	3.1	3.1	3.1	-24.0	27.9	9.2	654.2	220.2	-262.5
1594	ok	0.05	0.2	7.00e-03	3.1	3.1	3.1	3.1	-33.2	27.0	8.3	803.3	343.3	-244.3
1595	ok	0.05	0.3	8.07e-03	3.1	3.1	3.1	3.1	-38.8	26.3	8.0	935.0	443.1	-214.2
1596	ok	0.05	0.3	8.96e-03	3.1	3.1	3.1	3.1	-43.3	25.6	8.0	1042.3	520.4	-174.8
1597	ok	0.05	0.3	9.66e-03	3.1	3.1	3.1	3.1	-46.7	24.8	8.5	1120.0	575.6	-128.0
1598	ok	0.05	0.3	1.02e-02	3.1	3.1	3.1	3.1	-49.0	24.1	9.4	1164.3	609.0	-76.0
1599	ok	0.05	0.3	1.05e-02	3.1	3.1	3.1	3.1	-50.3	23.4	13.0	1172.9	620.2	-21.1
1600	ok	0.05	0.3	1.06e-02	3.1	3.1	3.1	3.1	-50.5	22.8	12.0	1144.8	608.5	34.9
1601	ok	0.05	0.3	1.06e-02	3.1	3.1	3.1	3.1	-47.1	22.7	13.6	1080.3	572.4	89.1
1602	ok	0.05	0.3	1.03e-02	3.1	3.1	3.1	3.1	-44.9	22.4	15.3	982.0	509.2	138.3
1603	ok	0.05	0.3	9.75e-03	3.1	3.1	3.1	3.1	-41.2	22.2	16.7	853.0	415.7	179.2
1604	ok	0.05	0.2	8.87e-03	3.1	3.1	3.1	3.1	-35.9	22.1	17.8	698.9	287.7	207.7
1605	ok	0.05	0.2	7.56e-03	3.1	3.1	3.1	3.1	-28.5	22.1	18.0	527.1	119.8	218.7
1606	ok	0.05	0.1	5.69e-03	3.1	3.1	3.1	3.1	-18.7	22.3	19.3	348.1	-95.1	205.8
1607	ok	0.05	0.1	3.14e-03	3.1	3.1	3.1	3.1	-5.8	22.5	16.6	170.5	-364.4	162.0
1608	ok	0.05	0.2	1.11e-03	3.1	3.1	3.1	3.1	11.1	22.3	12.4	7.1	-704.5	77.9
1609	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	11.6	41.5	13.1	83.2	-378.7	-204.4
1610	ok	0.05	0.1	9.12e-04	3.1	3.1	3.1	3.1	3.0	42.1	15.4	214.7	-211.2	-313.3
1611	ok	0.05	0.2	2.51e-03	3.1	3.1	3.1	3.1	-6.7	41.0	11.4	382.1	-51.3	-369.9
1612	ok	0.05	0.2	4.01e-03	3.1	3.1	3.1	3.1	-15.2	39.3	9.6	567.8	95.1	-393.7
1613	ok	0.05	0.3	5.36e-03	3.1	3.1	3.1	3.1	-22.7	37.3	8.1	757.2	223.5	-389.7
1614	ok	0.05	0.3	6.54e-03	3.1	3.1	3.1	3.1	-28.9	35.3	7.1	936.7	331.9	-362.4
1615	ok	0.05	0.3	7.53e-03	3.1	3.1	3.1	3.1	-34.1	33.3	6.7	1095.3	420.2	-315.9
1616	ok	0.05	0.3	8.32e-03	3.1	3.1	3.1	3.1	-38.1	31.4	6.8	1225.0	488.5	-254.3
1617	ok	0.05	0.4	8.94e-03	3.1	3.1	3.1	3.1	-41.0	29.5	9.5	1319.7	537.3	-181.4
1618	ok	0.05	0.4	9.38e-03	3.1	3.1	3.1	3.1	-43.0	27.7	10.5	1375.9	566.5	-100.1

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1619	ok	0.05	0.4	9.65e-03	3.1	3.1	3.1	3.1	-46.4	25.4	11.8	1390.0	577.3	-14.3
1620	ok	0.05	0.4	9.75e-03	3.1	3.1	3.1	3.1	-43.9	24.1	11.0	1363.9	565.7	72.4
1621	ok	0.05	0.3	9.69e-03	3.1	3.1	3.1	3.1	-42.9	22.4	12.6	1295.2	533.8	155.7
1622	ok	0.05	0.3	9.44e-03	3.1	3.1	3.1	3.1	-40.7	20.7	14.4	1186.9	478.9	231.4
1623	ok	0.05	0.3	8.99e-03	3.1	3.1	3.1	3.1	-37.3	19.1	15.9	1042.5	398.5	294.1
1624	ok	0.05	0.3	8.28e-03	3.1	3.1	3.1	3.1	-32.5	17.6	17.2	867.7	289.5	337.7
1625	ok	0.05	0.2	7.24e-03	3.1	3.1	3.1	3.1	-26.2	16.4	20.0	672.0	147.4	354.2
1626	ok	0.05	0.2	5.75e-03	3.1	3.1	3.1	3.1	-17.9	15.9	19.4	465.4	-31.3	336.4
1627	ok	0.05	0.1	3.59e-03	3.1	3.1	3.1	3.1	-7.0	16.1	17.0	264.6	-250.9	273.7
1628	ok	0.05	0.2	1.31e-03	3.1	3.1	3.1	3.1	8.5	17.0	12.4	89.1	-515.8	154.1
1629	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	12.6	63.8	14.6	35.6	-202.6	-262.0
1630	ok	0.05	0.2	4.42e-04	3.1	3.1	3.1	3.1	3.4	61.0	11.8	171.9	-87.6	-479.8
1631	ok	0.05	0.2	2.05e-03	3.1	3.1	3.1	3.1	-6.2	55.0	9.5	395.1	19.7	-576.5
1632	ok	0.05	0.3	3.59e-03	3.1	3.1	3.1	3.1	-14.5	49.9	7.7	645.1	126.4	-616.1
1633	ok	0.05	0.3	4.92e-03	3.1	3.1	3.1	3.1	-21.4	45.5	6.5	895.2	223.2	-608.5
1634	ok	0.05	0.4	6.03e-03	3.1	3.1	3.1	3.1	-27.1	41.7	5.8	1127.3	306.5	-562.9
1635	ok	0.05	0.4	6.94e-03	3.1	3.1	3.1	3.1	-31.7	38.4	5.6	1329.4	375.3	-487.3
1636	ok	0.05	0.4	7.65e-03	3.1	3.1	3.1	3.1	-35.2	35.4	5.8	1493.2	428.9	-388.7
1637	ok	0.05	0.4	8.19e-03	3.1	3.1	3.1	3.1	-37.8	32.5	6.4	1613.3	467.3	-273.2
1638	ok	0.05	0.4	8.55e-03	3.1	3.1	3.1	3.1	-39.4	29.7	7.3	1686.2	490.2	-146.4
1639	ok	0.05	0.4	8.75e-03	3.1	3.1	3.1	3.1	-40.0	26.9	8.6	1709.9	497.5	-13.4
1640	ok	0.05	0.4	8.80e-03	3.1	3.1	3.1	3.1	-39.8	23.9	9.3	1683.6	489.0	123.2
1641	ok	0.05	0.4	8.71e-03	3.1	3.1	3.1	3.1	-38.6	20.8	10.9	1607.7	464.1	252.5
1642	ok	0.05	0.4	8.47e-03	3.1	3.1	3.1	3.1	-36.5	17.6	12.6	1483.8	422.0	370.9
1643	ok	0.05	0.4	8.07e-03	3.1	3.1	3.1	3.1	-33.3	14.2	14.2	1314.7	361.5	471.1
1644	ok	0.05	0.4	7.51e-03	3.1	3.1	3.1	3.1	-28.9	10.8	15.6	1105.3	281.1	544.0
1645	ok	0.05	0.3	6.77e-03	3.1	3.1	3.1	3.1	-23.3	7.6	16.6	862.6	179.0	578.5
1646	ok	0.05	0.3	5.77e-03	3.1	3.1	3.1	3.1	-16.3	4.9	16.9	598.4	53.0	560.8
1647	ok	0.05	0.2	4.37e-03	3.1	3.1	3.1	3.1	-7.5	3.6	16.0	331.9	-96.6	473.5
1648	ok	0.05	0.1	2.10e-03	3.1	3.1	3.1	3.1	2.8	3.8	13.8	135.4	-288.1	234.0
1649	ok	0.05	8.71e-02	0.0	3.1	3.1	3.1	3.1	11.4	92.4	3.0	-78.8	-149.0	-99.0
1650	ok	0.05	7.16e-02	3.19e-05	3.1	3.1	3.1	3.1	1.8	76.6	-1.9	147.1	-55.7	-156.0
1651	ok	0.05	0.1	1.52e-03	3.1	3.1	3.1	3.1	-7.3	65.1	-1.9	435.6	47.8	-186.5
1652	ok	0.05	0.2	3.10e-03	3.1	3.1	3.1	3.1	-15.2	56.8	-2.0	745.3	152.0	-197.7
1653	ok	0.05	0.3	4.42e-03	3.1	3.1	3.1	3.1	-21.9	50.5	-2.0	1046.4	246.7	-193.6
1654	ok	0.05	0.4	5.50e-03	3.1	3.1	3.1	3.1	-27.2	45.5	-1.9	1320.7	328.3	-177.9
1655	ok	0.05	0.4	6.35e-03	3.1	3.1	3.1	3.1	-31.5	41.3	-1.7	1556.5	395.6	-153.2
1656	ok	0.05	0.5	7.01e-03	3.1	3.1	3.1	3.1	-34.7	37.5	-1.2	1746.3	448.2	-121.9
1657	ok	0.05	0.5	7.48e-03	3.1	3.1	3.1	3.1	-36.9	33.9	-0.5	1885.4	485.7	-85.8
1658	ok	0.05	0.5	7.78e-03	3.1	3.1	3.1	3.1	-38.3	30.4	0.4	1971.1	508.3	-46.6
1659	ok	0.05	0.5	7.92e-03	3.1	3.1	3.1	3.1	-38.7	26.6	1.5	2001.8	515.9	-5.7
1660	ok	0.05	0.5	7.92e-03	3.1	3.1	3.1	3.1	-38.3	22.6	9.1	1977.6	508.2	41.2
1661	ok	0.05	0.5	7.78e-03	3.1	3.1	3.1	3.1	-37.1	18.2	10.4	1898.8	485.1	81.0
1662	ok	0.05	0.5	7.52e-03	3.1	3.1	3.1	3.1	-34.9	13.3	11.8	1767.2	446.0	117.9
1663	ok	0.05	0.4	7.14e-03	3.1	3.1	3.1	3.1	-31.8	7.9	13.1	1585.5	390.2	149.8
1664	ok	0.05	0.4	6.68e-03	3.1	3.1	3.1	3.1	-27.7	2.1	14.3	1357.9	316.6	174.1
1665	ok	0.05	0.3	6.22e-03	3.1	3.1	3.1	3.1	-22.5	-4.0	15.4	1090.6	224.0	187.8
1666	ok	0.05	0.2	5.90e-03	3.1	3.1	3.1	3.1	-16.0	-10.3	16.1	793.0	110.7	186.4
1667	ok	0.05	0.1	5.85e-03	3.1	3.1	3.1	3.1	-8.3	-16.3	16.5	479.4	-22.4	164.2
1668	ok	0.05	6.83e-02	5.78e-03	3.1	3.1	3.1	3.1	1.2	-20.7	15.7	177.9	-160.6	112.4

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
								-71.49	-57.97	-19.96	-220.24	-1453.78	-709.96
	0.05	0.51	0.01	3.14	3.14	3.14	3.14	55.30	127.50	19.96	2050.03	656.12	709.96

Nodo	**Stato**	**Max tau** daN/cm2	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr** daN/cm	**V sec** daN/cm
3	ok	0.59						
4	ok	0.37						
5	ok	0.33						
6	ok	0.44						
11	ok	0.62						
12	ok	0.43						
14	ok	0.57						
17	ok	0.35						
20	ok	0.35						
21	ok	0.37						
22	ok	0.43						
23	ok	0.62						
24	ok	0.39						
26	ok	0.59						
27	ok	0.40						
30	ok	0.51						
31	ok	0.30						
35	ok	0.43						
36	ok	0.42						
37	ok	0.61						

38	ok	0.59
43	ok	0.39
289	ok	0.33
290	ok	0.30
303	ok	0.54
316	ok	0.65
329	ok	0.67
342	ok	0.67
355	ok	0.67
368	ok	0.66
381	ok	0.64
394	ok	0.60
407	ok	0.53
420	ok	0.35
444	ok	0.87
457	ok	0.94
470	ok	0.94
483	ok	0.91
496	ok	0.87
509	ok	0.83
522	ok	0.80
535	ok	0.78
548	ok	0.74
561	ok	0.60
573	ok	0.87
574	ok	0.74
575	ok	0.68
576	ok	0.62
577	ok	0.61
578	ok	0.57
579	ok	0.51
580	ok	0.44
581	ok	0.37
582	ok	0.30
583	ok	0.28
584	ok	0.29
585	ok	0.32
586	ok	0.35
587	ok	0.38
588	ok	0.41
589	ok	0.44
590	ok	0.46
591	ok	0.48
592	ok	0.54
593	ok	0.94
594	ok	0.79
595	ok	0.69
596	ok	0.61
597	ok	0.53
598	ok	0.46
599	ok	0.40
600	ok	0.35
601	ok	0.31
602	ok	0.28
603	ok	0.28
604	ok	0.29
605	ok	0.31
606	ok	0.34
607	ok	0.37
608	ok	0.42
609	ok	0.46
610	ok	0.50
611	ok	0.55
612	ok	0.65
613	ok	0.94
614	ok	0.79
615	ok	0.69
616	ok	0.60
617	ok	0.52
618	ok	0.44
619	ok	0.36
620	ok	0.30
621	ok	0.26
622	ok	0.23
623	ok	0.23
624	ok	0.25
625	ok	0.29
626	ok	0.33

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627	ok	0.37
628	ok	0.42
629	ok	0.46
630	ok	0.51
631	ok	0.58
632	ok	0.67
633	ok	0.91
634	ok	0.77
635	ok	0.66
636	ok	0.57
637	ok	0.48
638	ok	0.40
639	ok	0.32
640	ok	0.25
641	ok	0.20
642	ok	0.16
643	ok	0.17
644	ok	0.21
645	ok	0.25
646	ok	0.30
647	ok	0.35
648	ok	0.40
649	ok	0.45
650	ok	0.51
651	ok	0.58
652	ok	0.67
653	ok	0.87
654	ok	0.74
655	ok	0.64
656	ok	0.54
657	ok	0.45
658	ok	0.37
659	ok	0.29
660	ok	0.21
661	ok	0.15
662	ok	0.11
663	ok	0.12
664	ok	0.17
665	ok	0.22
666	ok	0.28
667	ok	0.33
668	ok	0.39
669	ok	0.44
670	ok	0.50
671	ok	0.58
672	ok	0.67
673	ok	0.83
674	ok	0.72
675	ok	0.62
676	ok	0.53
677	ok	0.44
678	ok	0.36
679	ok	0.28
680	ok	0.21
681	ok	0.14
682	ok	0.08
683	ok	0.11
684	ok	0.16
685	ok	0.22
686	ok	0.28
687	ok	0.33
688	ok	0.38
689	ok	0.43
690	ok	0.49
691	ok	0.57
692	ok	0.66
693	ok	0.80
694	ok	0.70
695	ok	0.61
696	ok	0.52
697	ok	0.45
698	ok	0.38
699	ok	0.31
700	ok	0.24
701	ok	0.19
702	ok	0.15
703	ok	0.16
704	ok	0.20

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705	ok	0.25
706	ok	0.30
707	ok	0.35
708	ok	0.39
709	ok	0.43
710	ok	0.48
711	ok	0.55
712	ok	0.64
713	ok	0.78
714	ok	0.69
715	ok	0.60
716	ok	0.53
717	ok	0.47
718	ok	0.41
719	ok	0.35
720	ok	0.29
721	ok	0.25
722	ok	0.22
723	ok	0.23
724	ok	0.26
725	ok	0.29
726	ok	0.33
727	ok	0.37
728	ok	0.40
729	ok	0.43
730	ok	0.46
731	ok	0.51
732	ok	0.60
733	ok	0.74
734	ok	0.65
735	ok	0.59
736	ok	0.53
737	ok	0.47
738	ok	0.42
739	ok	0.37
740	ok	0.34
741	ok	0.31
742	ok	0.29
743	ok	0.29
744	ok	0.30
745	ok	0.32
746	ok	0.35
747	ok	0.37
748	ok	0.40
749	ok	0.42
750	ok	0.44
751	ok	0.45
752	ok	0.53
753	ok	0.60
754	ok	0.56
755	ok	0.54
756	ok	0.51
757	ok	0.46
758	ok	0.42
759	ok	0.38
760	ok	0.35
761	ok	0.32
762	ok	0.30
763	ok	0.31
764	ok	0.33
765	ok	0.35
766	ok	0.37
767	ok	0.37
768	ok	0.39
769	ok	0.39
770	ok	0.39
771	ok	0.37
772	ok	0.35
773	ok	0.33
774	ok	0.36
775	ok	0.39
776	ok	0.41
777	ok	0.41
778	ok	0.40
779	ok	0.38
780	ok	0.35
781	ok	0.32
782	ok	0.30

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783	ok	0.31
784	ok	0.33
785	ok	0.36
786	ok	0.37
787	ok	0.37
788	ok	0.37
789	ok	0.36
790	ok	0.33
791	ok	0.28
792	ok	0.30
1034	ok	0.59
1035	ok	0.30
1036	ok	0.39
1041	ok	0.40
1042	ok	0.61
1044	ok	0.43
1047	ok	0.39
1050	ok	0.59
1051	ok	0.59
1052	ok	0.62
1053	ok	0.43
1054	ok	0.35
1056	ok	0.37
1057	ok	0.62
1060	ok	0.42
1061	ok	0.33
1065	ok	0.57
1066	ok	0.51
1067	ok	0.43
1068	ok	0.35
1073	ok	0.44
1307	ok	0.33
1320	ok	0.87
1333	ok	0.94
1346	ok	0.94
1359	ok	0.91
1372	ok	0.87
1385	ok	0.83
1398	ok	0.80
1411	ok	0.78
1424	ok	0.74
1437	ok	0.60
1449	ok	0.54
1450	ok	0.48
1451	ok	0.46
1452	ok	0.44
1453	ok	0.41
1454	ok	0.38
1455	ok	0.35
1456	ok	0.32
1457	ok	0.29
1458	ok	0.28
1459	ok	0.30
1460	ok	0.37
1461	ok	0.44
1462	ok	0.51
1463	ok	0.57
1464	ok	0.61
1465	ok	0.62
1466	ok	0.68
1467	ok	0.74
1468	ok	0.87
1469	ok	0.65
1470	ok	0.55
1471	ok	0.50
1472	ok	0.46
1473	ok	0.42
1474	ok	0.37
1475	ok	0.34
1476	ok	0.31
1477	ok	0.29
1478	ok	0.28
1479	ok	0.28
1480	ok	0.31
1481	ok	0.35
1482	ok	0.40
1483	ok	0.46
1484	ok	0.53

1485	ok	0.61
1486	ok	0.69
1487	ok	0.79
1488	ok	0.94
1489	ok	0.67
1490	ok	0.58
1491	ok	0.51
1492	ok	0.46
1493	ok	0.42
1494	ok	0.37
1495	ok	0.33
1496	ok	0.29
1497	ok	0.25
1498	ok	0.23
1499	ok	0.23
1500	ok	0.26
1501	ok	0.30
1502	ok	0.36
1503	ok	0.44
1504	ok	0.52
1505	ok	0.60
1506	ok	0.69
1507	ok	0.79
1508	ok	0.94
1509	ok	0.67
1510	ok	0.58
1511	ok	0.51
1512	ok	0.45
1513	ok	0.40
1514	ok	0.35
1515	ok	0.30
1516	ok	0.25
1517	ok	0.21
1518	ok	0.17
1519	ok	0.16
1520	ok	0.20
1521	ok	0.25
1522	ok	0.32
1523	ok	0.40
1524	ok	0.48
1525	ok	0.57
1526	ok	0.66
1527	ok	0.77
1528	ok	0.91
1529	ok	0.67
1530	ok	0.58
1531	ok	0.50
1532	ok	0.44
1533	ok	0.39
1534	ok	0.33
1535	ok	0.28
1536	ok	0.22
1537	ok	0.17
1538	ok	0.12
1539	ok	0.11
1540	ok	0.15
1541	ok	0.21
1542	ok	0.29
1543	ok	0.37
1544	ok	0.45
1545	ok	0.54
1546	ok	0.64
1547	ok	0.74
1548	ok	0.87
1549	ok	0.66
1550	ok	0.57
1551	ok	0.49
1552	ok	0.43
1553	ok	0.38
1554	ok	0.33
1555	ok	0.28
1556	ok	0.22
1557	ok	0.16
1558	ok	0.11
1559	ok	0.08
1560	ok	0.14
1561	ok	0.21
1562	ok	0.28

Piazza Roberto Baldini 4/28 - 16149 (GE) - Tel.+39 010 532074 - studio@bdingegneria.com
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1563	ok	0.36
1564	ok	0.44
1565	ok	0.53
1566	ok	0.62
1567	ok	0.72
1568	ok	0.83
1569	ok	0.64
1570	ok	0.55
1571	ok	0.48
1572	ok	0.43
1573	ok	0.39
1574	ok	0.35
1575	ok	0.30
1576	ok	0.25
1577	ok	0.20
1578	ok	0.16
1579	ok	0.15
1580	ok	0.19
1581	ok	0.24
1582	ok	0.31
1583	ok	0.38
1584	ok	0.45
1585	ok	0.52
1586	ok	0.61
1587	ok	0.70
1588	ok	0.80
1589	ok	0.60
1590	ok	0.51
1591	ok	0.46
1592	ok	0.43
1593	ok	0.40
1594	ok	0.37
1595	ok	0.33
1596	ok	0.29
1597	ok	0.26
1598	ok	0.23
1599	ok	0.22
1600	ok	0.25
1601	ok	0.29
1602	ok	0.35
1603	ok	0.41
1604	ok	0.47
1605	ok	0.53
1606	ok	0.60
1607	ok	0.69
1608	ok	0.78
1609	ok	0.53
1610	ok	0.45
1611	ok	0.44
1612	ok	0.42
1613	ok	0.40
1614	ok	0.37
1615	ok	0.35
1616	ok	0.32
1617	ok	0.30
1618	ok	0.29
1619	ok	0.29
1620	ok	0.31
1621	ok	0.34
1622	ok	0.37
1623	ok	0.42
1624	ok	0.47
1625	ok	0.53
1626	ok	0.59
1627	ok	0.65
1628	ok	0.74
1629	ok	0.35
1630	ok	0.37
1631	ok	0.39
1632	ok	0.39
1633	ok	0.39
1634	ok	0.37
1635	ok	0.37
1636	ok	0.35
1637	ok	0.33
1638	ok	0.31
1639	ok	0.30
1640	ok	0.32

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Cod.Fisc.- Part.I.V.A.02533670994

1641	ok	0.35
1642	ok	0.38
1643	ok	0.42
1644	ok	0.46
1645	ok	0.51
1646	ok	0.54
1647	ok	0.56
1648	ok	0.60
1649	ok	0.30
1650	ok	0.28
1651	ok	0.33
1652	ok	0.36
1653	ok	0.37
1654	ok	0.37
1655	ok	0.37
1656	ok	0.36
1657	ok	0.33
1658	ok	0.31
1659	ok	0.30
1660	ok	0.32
1661	ok	0.35
1662	ok	0.38
1663	ok	0.40
1664	ok	0.41
1665	ok	0.41
1666	ok	0.39
1667	ok	0.36
1668	ok	0.33

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.94						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
6	30.00	6	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1033	ok	0.05	0.5	1.61e-02	3.1	3.1	3.1	3.1	-77.6	-12.4	-14.4	1963.3	31.9	71.1
1034	ok	0.05	7.94e-02	2.79e-03	3.1	3.1	3.1	3.1	39.7	-11.6	11.4	216.8	-270.4	4.9
1295	ok	0.05	0.5	1.13e-02	3.1	3.1	3.1	3.1	-53.3	-16.9	-0.2	1977.8	224.2	186.1
1296	ok	0.05	0.5	1.08e-02	3.1	3.1	3.1	3.1	-51.1	-11.5	11.0	2024.5	295.8	124.0
1297	ok	0.05	0.5	1.15e-02	3.1	3.1	3.1	3.1	-51.3	-9.8	17.0	2021.0	370.9	121.4
1298	ok	0.05	0.5	1.23e-02	3.1	3.1	3.1	3.1	-53.0	-10.3	21.1	2001.8	410.0	129.9
1299	ok	0.05	0.5	1.31e-02	3.1	3.1	3.1	3.1	-55.1	-12.1	23.8	1965.3	425.8	145.4
1300	ok	0.05	0.5	1.37e-02	3.1	3.1	3.1	3.1	-56.4	-14.7	25.6	1898.9	422.2	165.4
1301	ok	0.05	0.5	1.39e-02	3.1	3.1	3.1	3.1	-55.9	-17.6	26.7	1785.7	396.5	187.1
1302	ok	0.05	0.4	1.36e-02	3.1	3.1	3.1	3.1	-52.6	-20.2	27.0	1606.2	341.9	206.5
1303	ok	0.05	0.4	1.25e-02	3.1	3.1	3.1	3.1	-44.8	-21.9	26.6	1340.3	247.9	217.9
1304	ok	0.05	0.3	1.03e-02	3.1	3.1	3.1	3.1	-29.9	-21.9	25.4	971.2	100.6	211.6
1305	ok	0.05	0.2	6.91e-03	3.1	3.1	3.1	3.1	-3.1	-18.9	22.3	509.0	-110.6	168.5
1306	ok	0.05	0.7	1.22e-02	3.1	3.1	3.1	3.1	-59.7	-14.3	8.4	2815.0	47.3	-74.1
1307	ok	0.05	6.79e-02	1.81e-03	3.1	3.1	3.1	3.1	15.2	-7.7	-5.7	-61.7	-231.1	-9.5
1308	ok	0.05	0.5	1.37e-02	3.1	3.1	3.1	3.1	-68.3	-3.0	-5.1	1934.4	63.2	533.9
1309	ok	0.05	0.5	1.22e-02	3.1	3.1	3.1	3.1	-60.1	5.8	6.4	2155.7	-32.1	130.1
1310	ok	0.05	0.5	1.19e-02	3.1	3.1	3.1	3.1	-58.1	-7.2	9.4	1851.9	250.2	470.0
1311	ok	0.05	0.5	1.21e-02	3.1	3.1	3.1	3.1	-56.2	-7.2	15.5	1803.7	330.4	472.2
1312	ok	0.05	0.5	1.26e-02	3.1	3.1	3.1	3.1	-56.3	-6.4	20.1	1752.0	370.5	498.8
1313	ok	0.05	0.5	1.32e-02	3.1	3.1	3.1	3.1	-57.0	-5.5	23.2	1678.8	382.1	543.7
1314	ok	0.05	0.5	1.34e-02	3.1	3.1	3.1	3.1	-57.3	-4.6	24.9	1572.0	369.0	597.2
1315	ok	0.05	0.5	1.32e-02	3.1	3.1	3.1	3.1	-55.9	-3.4	25.5	1420.2	329.2	647.4
1316	ok	0.05	0.4	1.24e-02	3.1	3.1	3.1	3.1	-51.6	-1.5	24.8	1213.0	256.6	679.2
1317	ok	0.05	0.4	1.05e-02	3.1	3.1	3.1	3.1	-42.8	1.5	22.9	944.1	141.9	672.2
1318	ok	0.05	0.3	7.13e-03	3.1	3.1	3.1	3.1	-26.7	6.1	19.3	618.7	-24.4	598.1
1319	ok	0.05	0.2	2.05e-03	3.1	3.1	3.1	3.1	1.7	11.1	5.0	293.4	-229.8	399.6
1320	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	54.6	14.0	4.5	135.4	-564.9	13.2
1321	ok	0.05	0.5	1.28e-02	3.1	3.1	3.1	3.1	-63.9	-0.8	2.6	1795.6	84.3	354.2
1322	ok	0.05	0.4	1.28e-02	3.1	3.1	3.1	3.1	-64.1	7.27e-02	1.7	1818.4	-7.8	76.7
1323	ok	0.05	0.4	1.24e-02	3.1	3.1	3.1	3.1	-61.1	-2.0	5.5	1699.6	219.5	356.4
1324	ok	0.05	0.4	1.22e-02	3.1	3.1	3.1	3.1	-58.3	-2.3	12.6	1612.6	311.9	369.0
1325	ok	0.05	0.4	1.23e-02	3.1	3.1	3.1	3.1	-57.1	-1.0	16.2	1520.3	362.6	389.0
1326	ok	0.05	0.4	1.24e-02	3.1	3.1	3.1	3.1	-56.5	1.2	18.7	1410.6	377.5	413.8
1327	ok	0.05	0.4	1.23e-02	3.1	3.1	3.1	3.1	-55.4	4.0	19.9	1274.7	357.6	437.9
1328	ok	0.05	0.3	1.17e-02	3.1	3.1	3.1	3.1	-52.7	7.4	19.8	1106.7	299.1	452.8
1329	ok	0.05	0.3	1.04e-02	3.1	3.1	3.1	3.1	-47.1	11.2	18.2	904.8	193.7	448.4
1330	ok	0.05	0.2	8.16e-03	3.1	3.1	3.1	3.1	-36.8	15.6	15.2	673.5	29.7	413.3

1331	ok	0.05	0.2	4.47e-03	3.1	3.1	3.1	3.1	-19.2	20.1	8.1	430.8	-207.8	334.1
1332	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	8.5	23.6	4.3	200.2	-533.3	199.4
1333	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	51.2	23.7	5.7	22.3	-1004.1	-0.1
1334	ok	0.05	0.4	1.30e-02	3.1	3.1	3.1	3.1	-64.4	-8.31e-02	3.1	1656.6	86.4	252.3
1335	ok	0.05	0.4	1.34e-02	3.1	3.1	3.1	3.1	-64.8	0.2	1.4	1673.6	-9.1	53.9
1336	ok	0.05	0.4	1.25e-02	3.1	3.1	3.1	3.1	-61.7	0.3	6.0	1561.5	214.0	256.6
1337	ok	0.05	0.4	1.22e-02	3.1	3.1	3.1	3.1	-59.2	1.3	11.3	1460.3	301.8	271.6
1338	ok	0.05	0.4	1.20e-02	3.1	3.1	3.1	3.1	-57.3	3.3	13.8	1347.1	350.9	286.7
1339	ok	0.05	0.3	1.18e-02	3.1	3.1	3.1	3.1	-55.6	6.3	15.5	1216.9	361.2	300.0
1340	ok	0.05	0.3	1.14e-02	3.1	3.1	3.1	3.1	-53.2	9.9	16.1	1065.7	330.7	308.4
1341	ok	0.05	0.3	1.05e-02	3.1	3.1	3.1	3.1	-49.1	14.0	15.5	891.6	254.5	307.1
1342	ok	0.05	0.2	8.99e-03	3.1	3.1	3.1	3.1	-39.5	18.5	13.6	697.5	123.2	290.3
1343	ok	0.05	0.2	6.53e-03	3.1	3.1	3.1	3.1	-27.9	22.4	8.3	487.9	-74.5	253.0
1344	ok	0.05	0.1	2.87e-03	3.1	3.1	3.1	3.1	-10.4	25.3	5.1	272.5	-352.3	189.9
1345	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	12.1	26.4	3.3	69.4	-734.8	95.5
1346	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	44.5	25.6	7.5	-96.4	-1276.8	-8.0
1347	ok	0.05	0.4	1.31e-02	3.1	3.1	3.1	3.1	-65.0	0.2	2.4	1564.4	87.1	151.6
1348	ok	0.05	0.4	1.39e-02	3.1	3.1	3.1	3.1	-67.1	0.2	1.4	1582.3	-9.0	32.5
1349	ok	0.05	0.4	1.25e-02	3.1	3.1	3.1	3.1	-61.7	1.5	4.9	1464.8	213.0	155.0
1350	ok	0.05	0.3	1.21e-02	3.1	3.1	3.1	3.1	-59.0	3.3	9.3	1355.1	296.5	165.2
1351	ok	0.05	0.3	1.17e-02	3.1	3.1	3.1	3.1	-56.6	5.9	10.9	1230.2	340.4	173.7
1352	ok	0.05	0.3	1.12e-02	3.1	3.1	3.1	3.1	-54.0	9.3	11.9	1088.5	343.6	178.4
1353	ok	0.05	0.3	1.05e-02	3.1	3.1	3.1	3.1	-48.1	13.6	12.0	929.4	302.5	177.4
1354	ok	0.05	0.2	9.46e-03	3.1	3.1	3.1	3.1	-42.9	17.6	11.2	752.9	212.3	168.7
1355	ok	0.05	0.2	7.77e-03	3.1	3.1	3.1	3.1	-34.8	21.4	9.7	562.2	64.9	150.0
1356	ok	0.05	0.1	5.28e-03	3.1	3.1	3.1	3.1	-22.7	24.4	5.3	364.0	-152.5	119.3
1357	ok	0.05	0.1	1.97e-03	3.1	3.1	3.1	3.1	-5.9	26.1	3.6	165.8	-453.0	75.5
1358	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	13.4	25.8	3.7	-19.1	-860.3	19.8
1359	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	37.8	24.8	8.6	-170.5	-1409.4	-12.0
1360	ok	0.05	0.4	1.31e-02	3.1	3.1	3.1	3.1	-65.1	0.3	1.3	1524.9	88.5	47.7
1361	ok	0.05	0.4	1.41e-02	3.1	3.1	3.1	3.1	-68.2	0.1	1.3	1543.9	-9.0	10.7
1362	ok	0.05	0.4	1.23e-02	3.1	3.1	3.1	3.1	-61.2	1.9	3.1	1420.1	214.0	48.9
1363	ok	0.05	0.3	1.17e-02	3.1	3.1	3.1	3.1	-58.0	4.1	6.9	1303.6	293.9	52.4
1364	ok	0.05	0.3	1.12e-02	3.1	3.1	3.1	3.1	-55.1	6.9	7.8	1170.7	332.4	53.6
1365	ok	0.05	0.3	1.06e-02	3.1	3.1	3.1	3.1	-49.3	10.8	8.2	1021.5	328.5	51.3
1366	ok	0.05	0.2	9.73e-03	3.1	3.1	3.1	3.1	-45.2	14.5	8.0	856.5	279.4	44.6
1367	ok	0.05	0.2	8.53e-03	3.1	3.1	3.1	3.1	-39.4	18.3	7.3	677.8	180.4	33.2
1368	ok	0.05	0.1	6.81e-03	3.1	3.1	3.1	3.1	-30.9	21.6	6.4	489.1	23.9	17.1
1369	ok	0.05	8.85e-02	4.41e-03	3.1	3.1	3.1	3.1	-18.9	24.0	3.2	297.2	-201.7	-2.6
1370	ok	0.05	0.2	1.60e-03	3.1	3.1	3.1	3.1	-5.6	24.6	3.0	108.5	-508.7	-24.4
1371	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	13.7	24.2	6.9	-65.9	-915.3	-48.8
1372	ok	0.05	0.5	0.0	3.1	3.1	3.1	3.1	32.9	23.7	9.0	-204.9	-1451.3	-14.5
1373	ok	0.05	0.4	1.29e-02	3.1	3.1	3.1	3.1	-64.3	0.3	-5.04e-03	1544.0	90.7	-60.3
1374	ok	0.05	0.4	1.40e-02	3.1	3.1	3.1	3.1	-70.2	-0.3	1.2	1565.0	-9.0	-12.6
1375	ok	0.05	0.4	1.20e-02	3.1	3.1	3.1	3.1	-60.0	1.8	1.2	1433.2	216.9	-62.0
1376	ok	0.05	0.3	1.13e-02	3.1	3.1	3.1	3.1	-56.4	3.9	2.0	1309.7	293.7	-66.0
1377	ok	0.05	0.3	1.06e-02	3.1	3.1	3.1	3.1	-52.9	6.5	2.3	1169.2	327.3	-71.9
1378	ok	0.05	0.3	9.91e-03	3.1	3.1	3.1	3.1	-46.8	10.1	4.6	1012.7	318.1	-80.1
1379	ok	0.05	0.2	9.00e-03	3.1	3.1	3.1	3.1	-42.3	13.5	4.3	841.9	263.9	-90.6
1380	ok	0.05	0.2	7.78e-03	3.1	3.1	3.1	3.1	-36.2	17.0	3.8	659.8	161.0	-102.3
1381	ok	0.05	0.1	6.11e-03	3.1	3.1	3.1	3.1	-27.9	20.1	3.5	470.3	3.1	-113.1
1382	ok	0.05	9.05e-02	3.86e-03	3.1	3.1	3.1	3.1	-16.5	22.3	1.4	280.2	-219.9	-119.5
1383	ok	0.05	0.2	1.41e-03	3.1	3.1	3.1	3.1	-4.4	23.0	2.6	95.2	-519.3	-117.5
1384	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	13.1	22.9	7.6	-74.3	-910.7	-105.2
1385	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	32.8	23.4	8.8	-208.3	-1424.9	-16.9
1386	ok	0.05	0.4	1.25e-02	3.1	3.1	3.1	3.1	-62.7	0.2	-1.1	1628.2	94.1	-174.3
1387	ok	0.05	0.4	1.36e-02	3.1	3.1	3.1	3.1	-68.2	-0.3	1.1	1651.5	-9.2	-36.3
1388	ok	0.05	0.4	1.17e-02	3.1	3.1	3.1	3.1	-58.3	1.3	-0.5	1508.5	221.8	-179.2
1389	ok	0.05	0.4	1.08e-02	3.1	3.1	3.1	3.1	-54.2	2.8	-0.1	1375.2	296.2	-190.9
1390	ok	0.05	0.3	1.01e-02	3.1	3.1	3.1	3.1	-47.8	5.3	-0.4	1225.3	326.0	-203.4
1391	ok	0.05	0.3	9.25e-03	3.1	3.1	3.1	3.1	-43.8	7.9	-0.9	1059.8	313.0	-217.0
1392	ok	0.05	0.3	8.34e-03	3.1	3.1	3.1	3.1	-39.3	10.9	0.9	881.0	257.1	-230.4
1393	ok	0.05	0.2	7.18e-03	3.1	3.1	3.1	3.1	-33.5	14.1	0.5	692.3	155.3	-241.0
1394	ok	0.05	0.2	5.63e-03	3.1	3.1	3.1	3.1	-25.7	17.0	0.7	498.3	3.0	-245.4
1395	ok	0.05	0.1	3.57e-03	3.1	3.1	3.1	3.1	-15.3	19.6	-0.6	305.3	-207.7	-237.9
1396	ok	0.05	0.2	1.34e-03	3.1	3.1	3.1	3.1	-1.9	21.4	1.7	119.6	-486.0	-212.1
1397	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	12.1	21.6	7.6	-51.9	-846.3	-164.6
1398	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	32.3	22.9	8.2	-184.6	-1331.6	-19.8
1399	ok	0.05	0.5	1.21e-02	3.1	3.1	3.1	3.1	-60.7	-2.34e-02	-1.8	1787.0	98.9	-298.0
1400	ok	0.05	0.4	1.30e-02	3.1	3.1	3.1	3.1	-64.9	-0.3	1.1	1815.4	-9.3	-61.8
1401	ok	0.05	0.4	1.12e-02	3.1	3.1	3.1	3.1	-56.3	0.2	-1.3	1650.6	229.2	-306.9
1402	ok	0.05	0.4	1.03e-02	3.1	3.1	3.1	3.1	-49.0	1.1	-1.4	1501.4	301.7	-325.8
1403	ok	0.05	0.4	9.41e-03	3.1	3.1	3.1	3.1	-44.5	2.3	-2.3	1337.1	328.8	-344.4
1404	ok	0.05	0.3	8.62e-03	3.1	3.1	3.1	3.1	-40.4	4.2	-3.5	1159.3	313.9	-362.4
1405	ok	0.05	0.3	7.79e-03	3.1	3.1	3.1	3.1	-36.1	6.7	-2.1	969.1	259.0	-378.5
1406	ok	0.05	0.3	6.76e-03	3.1	3.1	3.1	3.1	-30.9	9.4	-2.5	769.4	163.0	-387.9
1407	ok	0.05	0.2	5.38e-03	3.1	3.1	3.1	3.1	-24.0	12.2	-2.2	564.9	22.9	-385.5
1408	ok	0.05	0.2	3.51e-03	3.1	3.1	3.1	3.1	-14.9	15.1	-3.1	363.6	-166.8	-363.9

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1409	ok	0.05	0.2	1.31e-03	3.1	3.1	3.1	3.1	-2.8	17.8	-0.3	172.2	-412.2	-315.3
1410	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	10.5	19.5	6.4	-3.8	-722.6	-232.9
1411	ok	0.05	0.4	0.0	3.1	3.1	3.1	3.1	33.0	21.9	7.1	-133.1	-1154.9	-23.9
1412	ok	0.05	0.5	1.18e-02	3.1	3.1	3.1	3.1	-59.0	-0.3	-1.8	2035.5	105.1	-440.6
1413	ok	0.05	0.5	1.21e-02	3.1	3.1	3.1	3.1	-60.6	-0.3	0.9	2082.7	-9.9	-90.2
1414	ok	0.05	0.5	1.08e-02	3.1	3.1	3.1	3.1	-52.0	-0.9	-0.4	1862.4	237.5	-459.9
1415	ok	0.05	0.5	9.56e-03	3.1	3.1	3.1	3.1	-45.3	-2.4	-1.5	1683.5	313.4	-481.0
1416	ok	0.05	0.4	8.64e-03	3.1	3.1	3.1	3.1	-40.4	-2.0	-3.6	1500.6	336.9	-501.4
1417	ok	0.05	0.4	7.95e-03	3.1	3.1	3.1	3.1	-36.6	-0.6	-3.1	1308.1	319.5	-523.8
1418	ok	0.05	0.4	7.27e-03	3.1	3.1	3.1	3.1	-32.7	1.0	-4.4	1102.8	267.8	-543.5
1419	ok	0.05	0.3	6.43e-03	3.1	3.1	3.1	3.1	-28.2	2.8	-5.1	885.8	182.2	-553.8
1420	ok	0.05	0.3	5.27e-03	3.1	3.1	3.1	3.1	-22.3	5.0	-5.0	661.8	61.2	-546.0
1421	ok	0.05	0.2	3.66e-03	3.1	3.1	3.1	3.1	-14.5	7.6	-6.1	440.9	-98.8	-509.8
1422	ok	0.05	0.2	1.41e-03	3.1	3.1	3.1	3.1	-4.2	11.2	-1.2	233.4	-299.3	-437.7
1423	ok	0.05	0.2	0.0	3.1	3.1	3.1	3.1	10.4	15.3	3.3	59.6	-538.2	-317.4
1424	ok	0.05	0.3	0.0	3.1	3.1	3.1	3.1	30.5	17.5	5.3	-68.0	-866.2	-29.9
1425	ok	0.05	0.6	1.24e-02	3.1	3.1	3.1	3.1	-58.8	-0.8	5.8	2374.2	118.3	-671.0
1426	ok	0.05	0.7	1.11e-02	3.1	3.1	3.1	3.1	-48.7	9.2	-4.9	2720.2	-46.8	-166.7
1427	ok	0.05	0.6	1.01e-02	3.1	3.1	3.1	3.1	-47.2	-7.6	3.3	2107.5	275.5	-707.8
1428	ok	0.05	0.6	8.53e-03	3.1	3.1	3.1	3.1	-40.0	-7.4	-6.34e-02	1909.3	337.7	-706.3
1429	ok	0.05	0.5	7.76e-03	3.1	3.1	3.1	3.1	-35.7	-6.6	-3.0	1712.2	348.6	-724.9
1430	ok	0.05	0.5	7.27e-03	3.1	3.1	3.1	3.1	-32.5	-6.0	-4.9	1506.0	325.2	-754.3
1431	ok	0.05	0.5	6.77e-03	3.1	3.1	3.1	3.1	-29.2	-5.8	-6.1	1283.4	276.9	-784.5
1432	ok	0.05	0.4	6.13e-03	3.1	3.1	3.1	3.1	-25.2	-5.7	-7.0	1042.1	206.5	-803.7
1433	ok	0.05	0.4	5.28e-03	3.1	3.1	3.1	3.1	-20.0	-5.3	-7.4	783.7	113.9	-798.0
1434	ok	0.05	0.3	4.11e-03	3.1	3.1	3.1	3.1	-13.3	-4.2	-7.2	515.7	-1.9	-751.3
1435	ok	0.05	0.2	2.46e-03	3.1	3.1	3.1	3.1	-4.5	-1.4	-6.1	255.0	-140.8	-644.2
1436	ok	0.05	0.2	3.11e-04	3.1	3.1	3.1	3.1	5.1	2.9	-1.6	72.1	-329.6	-381.8
1437	ok	0.05	0.1	0.0	3.1	3.1	3.1	3.1	27.2	7.9	2.4	-32.3	-461.7	-36.1
1438	ok	0.05	0.6	1.35e-02	3.1	3.1	3.1	3.1	-65.2	-26.6	10.2	2633.7	284.8	-299.3
1439	ok	0.05	0.6	8.66e-03	3.1	3.1	3.1	3.1	-43.1	-14.7	-1.5	2390.8	331.0	-215.1
1440	ok	0.05	0.6	7.56e-03	3.1	3.1	3.1	3.1	-36.9	-10.4	-5.1	2163.1	383.5	-208.0
1441	ok	0.05	0.5	7.10e-03	3.1	3.1	3.1	3.1	-33.8	-9.8	-6.8	1942.4	385.6	-211.6
1442	ok	0.05	0.5	6.76e-03	3.1	3.1	3.1	3.1	-31.2	-11.1	-7.7	1718.7	357.7	-220.4
1443	ok	0.05	0.4	6.41e-03	3.1	3.1	3.1	3.1	-28.3	-13.4	-8.5	1482.6	309.1	-230.6
1444	ok	0.05	0.3	6.08e-03	3.1	3.1	3.1	3.1	-24.5	-16.2	-9.2	1227.6	242.4	-238.5
1445	ok	0.05	0.3	5.84e-03	3.1	3.1	3.1	3.1	-19.5	-19.1	-10.0	951.6	157.1	-240.0
1446	ok	0.05	0.2	5.75e-03	3.1	3.1	3.1	3.1	-13.1	-21.3	-10.8	657.6	51.8	-229.9
1447	ok	0.05	0.1	5.61e-03	3.1	3.1	3.1	3.1	-4.9	-22.2	-11.7	358.0	-73.8	-201.4
1448	ok	0.05	9.11e-02	4.94e-03	3.1	3.1	3.1	3.1	5.3	-21.5	-7.3	61.6	-246.1	-147.5

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
								-77.61	-26.57	-14.42	-208.27	-1451.33	-803.70
	0.05	0.68	0.02	3.14	3.14	3.14	3.14	54.58	26.41	26.99	2814.97	425.81	679.20

Nodo	**Stato**	**Max tau** daN/cm2	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr** daN/cm	**V sec** daN/cm
1033	ok	0.57						
1034	ok	0.61						
1295	ok	0.69						
1296	ok	0.69						
1297	ok	0.65						
1298	ok	0.61						
1299	ok	0.61						
1300	ok	0.65						
1301	ok	0.67						
1302	ok	0.67						
1303	ok	0.67						
1304	ok	0.64						
1305	ok	0.61						
1306	ok	0.49						
1307	ok	0.43						
1308	ok	0.61						
1309	ok	0.56						
1310	ok	0.61						
1311	ok	0.60						
1312	ok	0.58						
1313	ok	0.61						
1314	ok	0.65						
1315	ok	0.67						
1316	ok	0.67						
1317	ok	0.71						
1318	ok	0.78						
1319	ok	0.88						
1320	ok	0.88						
1321	ok	0.26						
1322	ok	0.23						

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1323	ok	0.27
1324	ok	0.28
1325	ok	0.31
1326	ok	0.37
1327	ok	0.45
1328	ok	0.53
1329	ok	0.62
1330	ok	0.71
1331	ok	0.80
1332	ok	0.94
1333	ok	0.94
1334	ok	0.20
1335	ok	0.20
1336	ok	0.22
1337	ok	0.24
1338	ok	0.27
1339	ok	0.34
1340	ok	0.42
1341	ok	0.51
1342	ok	0.60
1343	ok	0.70
1344	ok	0.80
1345	ok	0.94
1346	ok	0.94
1347	ok	0.17
1348	ok	0.17
1349	ok	0.17
1350	ok	0.19
1351	ok	0.23
1352	ok	0.30
1353	ok	0.38
1354	ok	0.47
1355	ok	0.56
1356	ok	0.66
1357	ok	0.78
1358	ok	0.90
1359	ok	0.90
1360	ok	0.15
1361	ok	0.15
1362	ok	0.11
1363	ok	0.14
1364	ok	0.20
1365	ok	0.28
1366	ok	0.36
1367	ok	0.45
1368	ok	0.54
1369	ok	0.63
1370	ok	0.74
1371	ok	0.86
1372	ok	0.86
1373	ok	0.15
1374	ok	0.15
1375	ok	0.11
1376	ok	0.16
1377	ok	0.22
1378	ok	0.29
1379	ok	0.36
1380	ok	0.43
1381	ok	0.52
1382	ok	0.61
1383	ok	0.71
1384	ok	0.83
1385	ok	0.83
1386	ok	0.17
1387	ok	0.15
1388	ok	0.19
1389	ok	0.22
1390	ok	0.26
1391	ok	0.32
1392	ok	0.38
1393	ok	0.44
1394	ok	0.51
1395	ok	0.59
1396	ok	0.69
1397	ok	0.81
1398	ok	0.81
1399	ok	0.26
1400	ok	0.15

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1401	ok	0.27
1402	ok	0.28
1403	ok	0.31
1404	ok	0.35
1405	ok	0.40
1406	ok	0.45
1407	ok	0.50
1408	ok	0.57
1409	ok	0.66
1410	ok	0.80
1411	ok	0.80
1412	ok	0.34
1413	ok	0.14
1414	ok	0.34
1415	ok	0.33
1416	ok	0.33
1417	ok	0.35
1418	ok	0.40
1419	ok	0.45
1420	ok	0.50
1421	ok	0.55
1422	ok	0.61
1423	ok	0.77
1424	ok	0.77
1425	ok	0.79
1426	ok	0.49
1427	ok	0.79
1428	ok	0.74
1429	ok	0.66
1430	ok	0.62
1431	ok	0.60
1432	ok	0.58
1433	ok	0.55
1434	ok	0.50
1435	ok	0.51
1436	ok	0.62
1437	ok	0.62
1438	ok	0.79
1439	ok	0.79
1440	ok	0.74
1441	ok	0.66
1442	ok	0.62
1443	ok	0.60
1444	ok	0.58
1445	ok	0.55
1446	ok	0.50
1447	ok	0.43
1448	ok	0.43

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.94						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	30.00	6	2	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.09	0.4	0.0	5.7	5.7	5.7	5.7	10.4	82.2	21.0	23.4	-1739.3	19.7
2	ok	0.09	0.7	3.22e-04	5.7	5.7	5.7	5.7	1.2	32.6	-0.4	-6.2	-4254.9	-31.5
3	ok	0.09	5.72e-02	6.33e-03	5.7	5.7	5.7	5.7	-24.1	-22.0	-9.9	-258.1	-321.0	9.9
4	ok	0.09	7.48e-02	8.99e-03	5.7	5.7	5.7	5.7	-15.0	-46.8	7.21e-02	-170.2	-406.5	5.7
5	ok	0.09	0.3	7.33e-03	5.7	5.7	5.7	5.7	-4.0	-38.1	-1.3	-1997.8	-245.6	10.3
6	ok	0.09	0.3	6.86e-03	5.7	5.7	5.7	5.7	-5.5	-35.4	-3.1	-1991.6	-239.3	84.1
7	ok	0.09	0.2	6.05e-04	5.7	5.7	5.7	5.7	0.6	22.8	4.0	-2.8	-779.1	196.2
8	ok	0.09	0.2	7.01e-05	5.7	5.7	5.7	5.7	7.93e-03	38.5	-3.60e-02	-14.1	1259.8	-93.0
9	ok	0.09	0.3	7.55e-05	5.7	5.7	5.7	5.7	7.91e-03	33.3	-2.42e-02	-17.0	1908.1	18.5
10	ok	0.09	0.3	7.44e-05	5.7	5.7	5.7	5.7	-9.58e-04	35.6	-2.10e-02	-16.5	1815.8	-30.7
11	ok	0.09	0.2	7.22e-03	5.7	5.7	5.7	5.7	-15.7	-34.5	-8.2	-1218.9	-117.6	237.5
12	ok	0.09	0.2	9.45e-03	5.7	5.7	5.7	5.7	-6.2	-49.1	-0.9	-1252.6	-146.0	-175.9
13	ok	0.09	0.2	8.46e-05	5.7	5.7	5.7	5.7	-4.01e-02	27.2	-1.47e-02	-14.8	1053.3	127.9
14	ok	0.09	0.3	6.80e-03	5.7	5.7	5.7	5.7	-8.3	-34.4	-5.3	-1838.2	-203.9	156.6
15	ok	0.09	0.4	6.79e-05	5.7	5.7	5.7	5.7	-7.00e-02	37.2	7.83e-02	-0.5	-1940.2	-101.6
16	ok	0.09	0.3	7.60e-05	5.7	5.7	5.7	5.7	7.12e-03	30.9	-2.78e-02	-16.4	1798.7	66.7
17	ok	0.09	0.3	8.09e-03	5.7	5.7	5.7	5.7	-3.8	-42.1	-7.21e-02	-1877.8	-225.6	-63.5
18	ok	0.09	0.1	5.94e-05	5.7	5.7	5.7	5.7	-5.95e-02	25.8	-0.7	-16.3	-225.7	-183.6

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19	ok	0.09	0.3	7.20e-05	5.7	5.7	5.7	5.7	5.08e-03	37.6	-3.63e-02	-14.9	1515.4	-74.1
20	ok	0.09	9.86e-02	9.00e-03	5.7	5.7	5.7	5.7	-10.9	-46.7	-2.7	-509.7	-221.4	-169.1
21	ok	0.09	8.04e-02	8.66e-03	5.7	5.7	5.7	5.7	-14.9	-44.6	-2.1	-297.0	-369.7	-115.9
22	ok	0.09	0.2	9.50e-03	5.7	5.7	5.7	5.7	-7.3	-49.4	-1.6	-1017.1	-140.0	-189.0
23	ok	0.09	0.2	7.07e-03	5.7	5.7	5.7	5.7	-12.9	-34.6	-7.3	-1488.6	-144.1	217.9
24	ok	0.09	0.3	7.05e-03	5.7	5.7	5.7	5.7	-4.6	-36.6	-2.1	-2011.2	-246.0	47.1
25	ok	0.09	0.3	8.23e-05	5.7	5.7	5.7	5.7	-4.69e-03	28.3	-2.97e-02	-15.7	1404.2	110.5
26	ok	0.09	0.1	7.02e-03	5.7	5.7	5.7	5.7	-21.9	-31.9	-8.2	-435.1	-322.0	225.3
27	ok	0.09	0.1	9.34e-03	5.7	5.7	5.7	5.7	-8.8	-48.5	-2.3	-762.4	-159.0	-189.2
28	ok	0.09	9.74e-02	1.18e-04	5.7	5.7	5.7	5.7	0.2	17.6	0.1	-13.9	-225.9	92.4
29	ok	0.09	0.3	7.51e-05	5.7	5.7	5.7	5.7	2.25e-04	34.5	-2.22e-02	-16.5	1885.5	-6.9
30	ok	0.09	0.3	6.78e-03	5.7	5.7	5.7	5.7	-6.7	-34.7	-4.2	-1935.7	-225.3	120.9
31	ok	0.09	0.3	7.69e-03	5.7	5.7	5.7	5.7	-3.8	-40.0	-0.5	-1953.2	-238.6	-28.6
32	ok	0.09	0.3	7.58e-05	5.7	5.7	5.7	5.7	1.11e-02	32.1	-2.06e-02	-17.5	1881.6	42.3
33	ok	0.09	0.2	5.29e-05	5.7	5.7	5.7	5.7	7.93e-02	26.4	-0.8	-22.9	-889.0	-178.0
34	ok	0.09	0.3	7.33e-05	5.7	5.7	5.7	5.7	-8.33e-04	36.7	-1.95e-02	-16.3	1695.4	-52.9
35	ok	0.09	0.2	9.23e-03	5.7	5.7	5.7	5.7	-5.3	-48.0	-0.3	-1458.8	-164.1	-154.3
36	ok	0.09	0.3	8.90e-03	5.7	5.7	5.7	5.7	-4.6	-46.3	7.06e-02	-1631.8	-186.2	-127.3
37	ok	0.09	0.3	6.91e-03	5.7	5.7	5.7	5.7	-10.4	-34.4	-6.3	-1692.0	-175.9	189.7
38	ok	0.09	0.2	7.26e-03	5.7	5.7	5.7	5.7	-18.5	-33.6	-8.9	-878.3	-123.6	240.8
39	ok	0.09	0.6	2.28e-04	5.7	5.7	5.7	5.7	-0.8	35.1	0.2	17.2	-3140.3	-59.7
40	ok	0.09	0.2	8.51e-05	5.7	5.7	5.7	5.7	-0.1	26.8	5.09e-02	-12.9	570.7	140.4
41	ok	0.09	0.3	7.92e-05	5.7	5.7	5.7	5.7	5.83e-03	29.5	-3.04e-02	-16.2	1645.5	89.7
42	ok	0.09	0.2	6.76e-05	5.7	5.7	5.7	5.7	1.24e-02	39.1	-3.27e-02	-13.0	909.2	-108.3
43	ok	0.09	0.3	8.51e-03	5.7	5.7	5.7	5.7	-4.1	-44.2	0.1	-1771.1	-207.6	-96.6
44	ok	0.09	0.1	6.42e-05	5.7	5.7	5.7	5.7	1.82e-02	39.4	-2.45e-02	-11.4	439.6	-118.7
45	ok	0.09	0.3	4.41e-03	5.7	5.7	5.7	5.7	-3.0	-22.9	-0.7	-258.7	-1981.1	154.5
46	ok	0.09	0.2	5.45e-04	5.7	5.7	5.7	5.7	13.1	16.1	11.7	-132.8	-852.3	534.5
47	ok	0.09	0.3	2.96e-03	5.7	5.7	5.7	5.7	-2.3	-10.8	-7.8	-426.6	-2026.2	115.3
48	ok	0.09	0.2	1.17e-03	5.7	5.7	5.7	5.7	4.8	-2.1	-5.6	-189.7	-884.6	490.6
49	ok	0.09	0.3	3.48e-03	5.7	5.7	5.7	5.7	-1.0	-8.8	-12.6	-412.0	-2017.4	113.2
50	ok	0.09	0.2	2.61e-03	5.7	5.7	5.7	5.7	1.1	-4.6	-11.2	-170.2	-885.5	508.4
51	ok	0.09	0.3	4.06e-03	5.7	5.7	5.7	5.7	-1.4	-8.4	-15.9	-371.5	-1991.8	120.2
52	ok	0.09	0.2	3.48e-03	5.7	5.7	5.7	5.7	-1.4	-5.9	-14.1	-119.9	-857.0	555.4
53	ok	0.09	0.3	4.67e-03	5.7	5.7	5.7	5.7	-3.1	-8.9	-18.1	-326.0	-1950.2	134.7
54	ok	0.09	0.2	4.14e-03	5.7	5.7	5.7	5.7	-3.8	-7.5	-15.7	-61.3	-808.7	633.1
55	ok	0.09	0.3	5.30e-03	5.7	5.7	5.7	5.7	-5.8	-10.3	-19.4	-279.1	-1881.2	154.9
56	ok	0.09	0.2	4.73e-03	5.7	5.7	5.7	5.7	-6.4	-9.7	-16.5	-4.5	-744.2	737.5
57	ok	0.09	0.3	5.93e-03	5.7	5.7	5.7	5.7	-9.3	-12.4	-19.9	-230.8	-1769.1	178.4
58	ok	0.09	0.2	5.28e-03	5.7	5.7	5.7	5.7	-9.2	-12.4	-16.6	44.8	-663.7	859.5
59	ok	0.09	0.3	6.53e-03	5.7	5.7	5.7	5.7	-13.3	-15.0	-19.8	-182.5	-1596.1	201.9
60	ok	0.09	0.2	5.80e-03	5.7	5.7	5.7	5.7	-12.1	-15.5	-16.3	79.4	-567.8	983.7
61	ok	0.09	0.2	7.04e-03	5.7	5.7	5.7	5.7	-17.5	-17.9	-19.0	-140.8	-1345.3	220.5
62	ok	0.09	0.2	6.27e-03	5.7	5.7	5.7	5.7	-15.0	-18.9	-15.6	85.3	-460.6	1086.3
63	ok	0.09	0.2	7.39e-03	5.7	5.7	5.7	5.7	-21.3	-20.6	-17.4	-129.5	-1004.3	226.2
64	ok	0.09	0.2	6.66e-03	5.7	5.7	5.7	5.7	-17.7	-22.1	-14.5	29.5	-350.8	1132.2
65	ok	0.09	0.1	7.42e-03	5.7	5.7	5.7	5.7	-25.3	-24.1	-13.9	-306.0	-527.1	216.4
66	ok	0.09	0.2	6.89e-03	5.7	5.7	5.7	5.7	-19.3	-24.8	-13.1	-171.1	-212.6	1102.9
67	ok	0.09	0.1	1.36e-04	5.7	5.7	5.7	5.7	1.9	17.3	2.2	-19.1	-50.7	514.4
68	ok	0.09	0.1	3.18e-04	5.7	5.7	5.7	5.7	2.8	-1.8	0.3	-36.1	-152.4	453.8
69	ok	0.09	0.1	1.50e-03	5.7	5.7	5.7	5.7	1.7	-4.8	-3.5	6.9	-141.0	473.3
70	ok	0.09	0.1	2.68e-03	5.7	5.7	5.7	5.7	-0.2	-5.8	-5.4	60.2	-125.4	511.0
71	ok	0.09	0.1	3.50e-03	5.7	5.7	5.7	5.7	-3.4	-6.4	-13.2	217.8	4.4	619.9
72	ok	0.09	0.1	4.15e-03	5.7	5.7	5.7	5.7	-5.8	-9.3	-13.9	294.6	33.9	728.4
73	ok	0.09	0.2	4.71e-03	5.7	5.7	5.7	5.7	-8.2	-12.5	-14.0	345.9	61.4	852.6
74	ok	0.09	0.2	5.23e-03	5.7	5.7	5.7	5.7	-10.6	-16.0	-13.6	354.2	79.9	977.6
75	ok	0.09	0.2	5.72e-03	5.7	5.7	5.7	5.7	-12.9	-19.7	-13.0	291.7	81.2	1080.6
76	ok	0.09	0.2	6.18e-03	5.7	5.7	5.7	5.7	-15.2	-23.5	-12.1	110.5	59.5	1134.1
77	ok	0.09	0.2	6.62e-03	5.7	5.7	5.7	5.7	-17.1	-27.7	-10.7	-264.8	16.4	1163.3
78	ok	0.09	0.2	5.07e-05	5.7	5.7	5.7	5.7	0.7	18.8	-9.67e-02	35.2	581.6	512.0
79	ok	0.09	0.1	1.56e-04	5.7	5.7	5.7	5.7	1.7	9.8	-2.7	117.8	581.2	447.2
80	ok	0.09	0.1	9.83e-04	5.7	5.7	5.7	5.7	1.1	3.1	-6.3	220.9	586.7	467.6
81	ok	0.09	0.2	1.97e-03	5.7	5.7	5.7	5.7	-0.7	-1.6	-9.1	338.6	591.1	525.5
82	ok	0.09	0.2	2.87e-03	5.7	5.7	5.7	5.7	-2.8	-5.3	-10.8	452.9	592.1	611.0
83	ok	0.09	0.2	3.59e-03	5.7	5.7	5.7	5.7	-5.0	-8.9	-11.6	544.6	583.9	718.4
84	ok	0.09	0.2	4.21e-03	5.7	5.7	5.7	5.7	-7.0	-12.6	-11.7	594.5	558.3	837.8
85	ok	0.09	0.2	4.77e-03	5.7	5.7	5.7	5.7	-9.0	-16.5	-11.4	576.3	506.1	955.1
86	ok	0.09	0.2	5.30e-03	5.7	5.7	5.7	5.7	-11.0	-20.4	-10.8	453.0	418.3	1050.2
87	ok	0.09	0.2	5.83e-03	5.7	5.7	5.7	5.7	-12.8	-24.5	-10.0	171.1	286.7	1102.4
88	ok	0.09	0.2	6.42e-03	5.7	5.7	5.7	5.7	-14.5	-29.0	-8.9	-339.4	102.3	1135.8
89	ok	0.09	0.2	7.67e-05	5.7	5.7	5.7	5.7	0.2	20.0	-1.0	71.3	1061.3	482.1
90	ok	0.09	0.2	1.44e-04	5.7	5.7	5.7	5.7	0.6	12.5	-2.8	211.3	1044.1	426.7
91	ok	0.09	0.2	7.13e-04	5.7	5.7	5.7	5.7	0.3	5.9	-5.2	359.0	1036.3	444.5
92	ok	0.09	0.2	1.47e-03	5.7	5.7	5.7	5.7	-0.8	0.4	-7.4	509.2	1024.0	497.8
93	ok	0.09	0.2	2.34e-03	5.7	5.7	5.7	5.7	-2.4	-4.2	-8.9	646.4	999.9	577.1
94	ok	0.09	0.2	3.11e-03	5.7	5.7	5.7	5.7	-4.1	-8.4	-9.6	750.2	956.6	675.2
95	ok	0.09	0.3	3.78e-03	5.7	5.7	5.7	5.7	-5.8	-12.6	-9.8	796.2	884.8	782.0
96	ok	0.09	0.3	4.40e-03	5.7	5.7	5.7	5.7	-7.4	-16.9	-9.6	752.0	775.0	884.4

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97	ok	0.09	0.3	5.00e-03	5.7	5.7	5.7	5.7	-9.0	-21.1	-9.1	575.1	618.1	965.2
98	ok	0.09	0.2	5.61e-03	5.7	5.7	5.7	5.7	-10.5	-25.4	-8.4	208.0	406.0	1007.6
99	ok	0.09	0.2	6.28e-03	5.7	5.7	5.7	5.7	-11.8	-29.9	-7.6	-419.7	128.4	1036.6
100	ok	0.09	0.3	1.20e-04	5.7	5.7	5.7	5.7	6.51e-02	21.3	-1.3	97.0	1408.8	429.0
101	ok	0.09	0.3	1.71e-04	5.7	5.7	5.7	5.7	0.1	14.4	-2.8	279.8	1374.7	386.0
102	ok	0.09	0.2	5.60e-04	5.7	5.7	5.7	5.7	-0.1	7.9	-4.6	464.5	1350.4	402.5
103	ok	0.09	0.3	1.18e-03	5.7	5.7	5.7	5.7	-0.9	2.1	-6.2	643.6	1319.5	448.8
104	ok	0.09	0.3	1.92e-03	5.7	5.7	5.7	5.7	-2.0	-3.1	-7.4	800.3	1272.2	517.4
105	ok	0.09	0.3	2.71e-03	5.7	5.7	5.7	5.7	-3.3	-8.0	-8.1	913.4	1198.8	601.1
106	ok	0.09	0.3	3.44e-03	5.7	5.7	5.7	5.7	-4.6	-12.6	-8.3	954.1	1090.2	690.9
107	ok	0.09	0.3	4.13e-03	5.7	5.7	5.7	5.7	-6.0	-17.2	-8.2	886.3	937.0	775.0
108	ok	0.09	0.2	4.81e-03	5.7	5.7	5.7	5.7	-7.2	-21.7	-7.7	663.4	731.0	839.3
109	ok	0.09	0.2	5.50e-03	5.7	5.7	5.7	5.7	-8.4	-26.1	-7.1	226.1	465.4	871.0
110	ok	0.09	0.2	6.20e-03	5.7	5.7	5.7	5.7	-9.4	-30.4	-6.5	-494.2	130.1	895.9
111	ok	0.09	0.3	1.39e-04	5.7	5.7	5.7	5.7	-2.67e-03	22.6	-1.3	115.6	1647.1	357.6
112	ok	0.09	0.3	2.13e-04	5.7	5.7	5.7	5.7	-4.61e-02	15.9	-2.7	329.6	1598.9	326.8
113	ok	0.09	0.3	4.56e-04	5.7	5.7	5.7	5.7	-0.3	9.4	-4.1	542.9	1559.5	341.8
114	ok	0.09	0.3	9.69e-04	5.7	5.7	5.7	5.7	-0.9	3.3	-5.3	745.4	1511.7	379.8
115	ok	0.09	0.3	1.60e-03	5.7	5.7	5.7	5.7	-1.7	-2.3	-6.3	918.1	1444.6	435.5
116	ok	0.09	0.3	2.39e-03	5.7	5.7	5.7	5.7	-2.6	-7.5	-6.9	1037.8	1347.8	502.6
117	ok	0.09	0.3	3.18e-03	5.7	5.7	5.7	5.7	-3.7	-12.6	-7.1	1073.0	1212.0	573.6
118	ok	0.09	0.3	3.96e-03	5.7	5.7	5.7	5.7	-4.7	-17.5	-7.0	984.9	1028.7	638.9
119	ok	0.09	0.2	4.71e-03	5.7	5.7	5.7	5.7	-5.6	-22.2	-6.6	724.9	790.4	687.5
120	ok	0.09	0.2	5.46e-03	5.7	5.7	5.7	5.7	-6.5	-26.7	-6.1	233.1	491.7	710.7
121	ok	0.09	0.2	6.17e-03	5.7	5.7	5.7	5.7	-7.4	-30.9	-5.6	-555.3	122.5	732.8
122	ok	0.09	0.3	1.49e-04	5.7	5.7	5.7	5.7	-2.49e-02	23.9	-1.3	128.4	1798.1	272.6
123	ok	0.09	0.3	2.32e-04	5.7	5.7	5.7	5.7	-0.1	17.1	-2.5	364.4	1739.3	252.8
124	ok	0.09	0.3	3.90e-04	5.7	5.7	5.7	5.7	-0.3	10.6	-3.7	598.5	1688.1	265.5
125	ok	0.09	0.3	8.04e-04	5.7	5.7	5.7	5.7	-0.8	4.3	-4.7	818.3	1627.0	294.7
126	ok	0.09	0.3	1.40e-03	5.7	5.7	5.7	5.7	-1.4	-1.6	-5.5	1003.2	1545.1	336.4
127	ok	0.09	0.3	2.15e-03	5.7	5.7	5.7	5.7	-2.1	-7.2	-6.1	1127.4	1431.6	386.4
128	ok	0.09	0.3	3.00e-03	5.7	5.7	5.7	5.7	-2.8	-12.5	-6.3	1157.9	1277.7	438.6
129	ok	0.09	0.3	3.85e-03	5.7	5.7	5.7	5.7	-3.6	-17.7	-6.2	1054.2	1075.2	486.2
130	ok	0.09	0.2	4.67e-03	5.7	5.7	5.7	5.7	-4.3	-22.6	-5.8	766.4	817.7	521.3
131	ok	0.09	0.2	5.46e-03	5.7	5.7	5.7	5.7	-5.0	-27.2	-5.3	235.4	500.2	538.4
132	ok	0.09	0.1	6.19e-03	5.7	5.7	5.7	5.7	-5.8	-31.4	-4.7	-599.7	112.7	558.9
133	ok	0.09	0.3	1.51e-04	5.7	5.7	5.7	5.7	-3.00e-02	25.1	-1.2	136.5	1879.8	178.5
134	ok	0.09	0.3	2.50e-04	5.7	5.7	5.7	5.7	-0.1	18.2	-2.4	386.4	1814.2	168.3
135	ok	0.09	0.3	3.60e-04	5.7	5.7	5.7	5.7	-0.3	11.6	-3.4	634.2	1755.2	178.0
136	ok	0.09	0.3	6.72e-04	5.7	5.7	5.7	5.7	-0.7	5.2	-4.3	865.9	1685.4	197.9
137	ok	0.09	0.3	1.23e-03	5.7	5.7	5.7	5.7	-1.1	-1.0	-5.0	1059.1	1593.8	225.9
138	ok	0.09	0.3	1.97e-03	5.7	5.7	5.7	5.7	-1.7	-6.8	-5.4	1186.5	1470.2	259.0
139	ok	0.09	0.3	2.87e-03	5.7	5.7	5.7	5.7	-2.2	-12.5	-5.6	1213.8	1305.8	293.5
140	ok	0.09	0.2	3.78e-03	5.7	5.7	5.7	5.7	-2.8	-17.9	-5.5	1099.5	1093.0	324.9
141	ok	0.09	0.2	4.67e-03	5.7	5.7	5.7	5.7	-3.4	-23.0	-5.2	793.5	826.0	348.2
142	ok	0.09	0.1	5.51e-03	5.7	5.7	5.7	5.7	-3.9	-27.8	-4.7	237.4	499.9	361.4
143	ok	0.09	0.1	6.27e-03	5.7	5.7	5.7	5.7	-4.6	-32.1	-4.0	-626.2	104.2	380.9
144	ok	0.09	0.3	1.51e-04	5.7	5.7	5.7	5.7	-3.09e-02	26.2	-1.2	140.2	1905.5	79.3
145	ok	0.09	0.3	2.54e-04	5.7	5.7	5.7	5.7	-0.1	19.2	-2.2	397.2	1836.9	77.7
146	ok	0.09	0.3	4.08e-04	5.7	5.7	5.7	5.7	-0.3	12.5	-3.1	652.3	1774.2	83.9
147	ok	0.09	0.3	6.59e-04	5.7	5.7	5.7	5.7	-0.6	5.9	-3.9	890.5	1700.9	94.4
148	ok	0.09	0.3	1.09e-03	5.7	5.7	5.7	5.7	-1.0	-0.4	-4.5	1089.0	1605.0	108.6
149	ok	0.09	0.2	1.83e-03	5.7	5.7	5.7	5.7	-1.4	-6.5	-4.9	1218.7	1477.2	125.4
150	ok	0.09	0.2	2.78e-03	5.7	5.7	5.7	5.7	-1.9	-12.4	-5.1	1244.8	1309.0	143.1
151	ok	0.09	0.2	3.75e-03	5.7	5.7	5.7	5.7	-2.3	-18.0	-5.0	1125.3	1092.9	159.9
152	ok	0.09	0.2	4.70e-03	5.7	5.7	5.7	5.7	-2.8	-23.4	-4.7	810.1	823.3	173.6
153	ok	0.09	0.1	5.59e-03	5.7	5.7	5.7	5.7	-3.3	-28.4	-4.1	241.9	495.5	184.0
154	ok	0.09	0.1	6.40e-03	5.7	5.7	5.7	5.7	-3.8	-32.9	-3.3	-655.5	118.1	176.5
155	ok	0.09	0.3	1.49e-04	5.7	5.7	5.7	5.7	-3.35e-02	27.2	-1.1	140.0	1882.9	-21.0
156	ok	0.09	0.3	2.57e-04	5.7	5.7	5.7	5.7	-0.1	20.1	-2.1	397.5	1815.1	-14.7
157	ok	0.09	0.3	4.19e-04	5.7	5.7	5.7	5.7	-0.3	13.2	-2.9	653.8	1753.4	-12.4
158	ok	0.09	0.3	6.57e-04	5.7	5.7	5.7	5.7	-0.6	6.5	-3.6	894.3	1680.5	-11.4
159	ok	0.09	0.3	9.90e-04	5.7	5.7	5.7	5.7	-1.0	4.06e-02	-4.1	1094.9	1585.8	-10.6
160	ok	0.09	0.2	1.71e-03	5.7	5.7	5.7	5.7	-1.3	-6.3	-4.5	1226.3	1459.6	-9.7
161	ok	0.09	0.2	2.71e-03	5.7	5.7	5.7	5.7	-1.7	-12.3	-4.7	1253.5	1293.3	-8.0
162	ok	0.09	0.2	3.74e-03	5.7	5.7	5.7	5.7	-2.1	-18.2	-4.6	1134.2	1079.8	-4.9
163	ok	0.09	0.1	4.74e-03	5.7	5.7	5.7	5.7	-2.5	-23.8	-4.3	818.6	813.5	0.3
164	ok	0.09	8.50e-02	5.70e-03	5.7	5.7	5.7	5.7	-1.5	-26.4	-2.6	357.2	377.4	-49.2
165	ok	0.09	0.1	6.58e-03	5.7	5.7	5.7	5.7	-3.4	-34.0	-2.7	-646.5	115.8	15.7
166	ok	0.09	0.3	1.46e-04	5.7	5.7	5.7	5.7	-4.05e-02	28.2	-1.1	135.8	1814.2	-118.7
167	ok	0.09	0.3	2.59e-04	5.7	5.7	5.7	5.7	-0.2	21.0	-1.9	387.6	1750.9	-104.5
168	ok	0.09	0.3	4.22e-04	5.7	5.7	5.7	5.7	-0.4	13.9	-2.7	640.0	1694.0	-105.8
169	ok	0.09	0.3	6.78e-04	5.7	5.7	5.7	5.7	-0.7	7.1	-3.3	877.7	1626.9	-114.0
170	ok	0.09	0.3	9.94e-04	5.7	5.7	5.7	5.7	-1.0	0.5	-3.8	1077.6	1538.5	-126.5
171	ok	0.09	0.2	1.62e-03	5.7	5.7	5.7	5.7	-1.4	-6.0	-4.1	1210.3	1419.3	-140.9
172	ok	0.09	0.2	2.65e-03	5.7	5.7	5.7	5.7	-1.8	-12.3	-4.3	1240.8	1260.7	-154.8
173	ok	0.09	0.2	3.73e-03	5.7	5.7	5.7	5.7	-2.2	-18.4	-4.2	1127.1	1055.3	-165.2
174	ok	0.09	0.2	4.80e-03	5.7	5.7	5.7	5.7	-2.5	-24.3	-3.9	819.5	797.6	-168.7

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175	ok	0.09	9.59e-02	5.82e-03	5.7	5.7	5.7	5.7	-1.6	-27.2	-3.4	375.9	371.8	-166.4
176	ok	0.09	0.1	6.80e-03	5.7	5.7	5.7	5.7	-3.3	-35.2	-2.2	-620.7	116.7	-137.7
177	ok	0.09	0.3	1.43e-04	5.7	5.7	5.7	5.7	-4.20e-02	29.1	-1.0	128.1	1695.5	-209.9
178	ok	0.09	0.3	2.59e-04	5.7	5.7	5.7	5.7	-0.2	21.7	-1.8	367.2	1640.6	-187.6
179	ok	0.09	0.3	4.41e-04	5.7	5.7	5.7	5.7	-0.5	14.6	-2.4	609.7	1593.1	-191.9
180	ok	0.09	0.3	6.80e-04	5.7	5.7	5.7	5.7	-0.8	7.6	-3.0	840.4	1536.9	-208.8
181	ok	0.09	0.3	9.99e-04	5.7	5.7	5.7	5.7	-1.2	0.8	-3.4	1036.9	1460.4	-234.1
182	ok	0.09	0.3	1.53e-03	5.7	5.7	5.7	5.7	-1.6	-5.8	-3.7	1170.4	1353.9	-263.9
183	ok	0.09	0.2	2.60e-03	5.7	5.7	5.7	5.7	-2.1	-12.2	-3.9	1206.5	1208.8	-293.5
184	ok	0.09	0.2	3.73e-03	5.7	5.7	5.7	5.7	-2.5	-18.5	-3.9	1103.5	1017.4	-317.7
185	ok	0.09	0.2	4.86e-03	5.7	5.7	5.7	5.7	-2.8	-24.7	-3.6	812.2	773.5	-330.7
186	ok	0.09	0.1	5.96e-03	5.7	5.7	5.7	5.7	-3.2	-30.7	-3.0	276.4	472.1	-328.5
187	ok	0.09	0.1	7.04e-03	5.7	5.7	5.7	5.7	-3.5	-36.5	-1.9	-579.2	119.7	-286.1
188	ok	0.09	0.3	1.41e-04	5.7	5.7	5.7	5.7	-6.24e-02	29.9	-0.8	115.8	1517.4	-291.2
189	ok	0.09	0.3	2.66e-04	5.7	5.7	5.7	5.7	-0.3	22.4	-1.5	335.5	1475.0	-259.3
190	ok	0.09	0.3	4.40e-04	5.7	5.7	5.7	5.7	-0.6	15.1	-2.1	562.1	1441.6	-265.9
191	ok	0.09	0.3	6.80e-04	5.7	5.7	5.7	5.7	-1.1	8.1	-2.6	781.0	1401.4	-291.1
192	ok	0.09	0.3	1.00e-03	5.7	5.7	5.7	5.7	-1.5	1.2	-3.0	971.2	1342.3	-329.1
193	ok	0.09	0.3	1.44e-03	5.7	5.7	5.7	5.7	-2.0	-5.5	-3.3	1104.8	1254.9	-374.3
194	ok	0.09	0.3	2.55e-03	5.7	5.7	5.7	5.7	-2.5	-12.1	-3.5	1148.4	1129.9	-420.1
195	ok	0.09	0.2	3.72e-03	5.7	5.7	5.7	5.7	-2.9	-18.7	-3.5	1061.2	959.4	-458.9
196	ok	0.09	0.2	4.91e-03	5.7	5.7	5.7	5.7	-3.4	-25.1	-3.2	794.4	736.6	-482.5
197	ok	0.09	0.1	6.10e-03	5.7	5.7	5.7	5.7	-3.7	-31.5	-2.7	291.6	455.9	-484.5
198	ok	0.09	0.1	7.29e-03	5.7	5.7	5.7	5.7	-4.0	-37.8	-1.6	-504.3	106.8	-478.6
199	ok	0.09	0.2	1.33e-04	5.7	5.7	5.7	5.7	-9.01e-02	30.5	-0.7	98.7	1265.1	-357.8
200	ok	0.09	0.2	2.60e-04	5.7	5.7	5.7	5.7	-0.4	22.9	-1.2	291.3	1239.6	-315.0
201	ok	0.09	0.2	4.35e-04	5.7	5.7	5.7	5.7	-0.8	15.6	-1.7	495.3	1225.1	-322.6
202	ok	0.09	0.2	6.76e-04	5.7	5.7	5.7	5.7	-1.4	8.5	-2.2	697.2	1206.2	-355.3
203	ok	0.09	0.2	9.99e-04	5.7	5.7	5.7	5.7	-1.9	1.6	-2.5	877.8	1170.9	-405.6
204	ok	0.09	0.2	1.40e-03	5.7	5.7	5.7	5.7	-2.5	-5.3	-2.8	1010.6	1109.5	-466.2
205	ok	0.09	0.3	2.49e-03	5.7	5.7	5.7	5.7	-3.0	-12.0	-3.0	1063.3	1012.4	-528.6
206	ok	0.09	0.2	3.71e-03	5.7	5.7	5.7	5.7	-3.6	-18.7	-3.0	996.6	871.3	-583.0
207	ok	0.09	0.2	4.96e-03	5.7	5.7	5.7	5.7	-4.1	-25.4	-2.8	762.3	678.6	-618.9
208	ok	0.09	0.2	6.22e-03	5.7	5.7	5.7	5.7	-4.4	-32.2	-2.4	304.2	428.0	-627.2
209	ok	0.09	0.1	7.52e-03	5.7	5.7	5.7	5.7	-4.7	-39.1	-1.5	-436.9	109.1	-625.1
210	ok	0.09	0.2	1.25e-04	5.7	5.7	5.7	5.7	-0.1	31.0	-0.4	76.1	918.7	-404.7
211	ok	0.09	0.2	2.51e-04	5.7	5.7	5.7	5.7	-0.5	23.3	-0.8	232.8	914.8	-349.5
212	ok	0.09	0.2	4.27e-04	5.7	5.7	5.7	5.7	-1.1	16.0	-1.2	406.8	924.0	-356.8
213	ok	0.09	0.2	6.67e-04	5.7	5.7	5.7	5.7	-1.7	8.9	-1.6	586.1	931.8	-396.0
214	ok	0.09	0.2	9.89e-04	5.7	5.7	5.7	5.7	-2.4	1.9	-1.9	753.5	926.6	-457.6
215	ok	0.09	0.2	1.40e-03	5.7	5.7	5.7	5.7	-3.0	-5.0	-2.2	884.0	899.0	-532.9
216	ok	0.09	0.2	2.42e-03	5.7	5.7	5.7	5.7	-3.7	-11.9	-2.4	947.2	839.2	-611.9
217	ok	0.09	0.2	3.69e-03	5.7	5.7	5.7	5.7	-4.3	-18.8	-2.5	905.0	738.2	-682.9
218	ok	0.09	0.2	4.98e-03	5.7	5.7	5.7	5.7	-4.9	-25.7	-2.4	711.1	587.4	-732.7
219	ok	0.09	0.2	6.31e-03	5.7	5.7	5.7	5.7	-5.3	-32.7	-2.1	309.4	379.6	-749.8
220	ok	0.09	0.2	7.71e-03	5.7	5.7	5.7	5.7	-5.5	-40.0	-1.4	-361.0	104.1	-753.3
221	ok	0.09	0.1	1.21e-04	5.7	5.7	5.7	5.7	-0.2	31.2	-0.1	46.8	454.2	-426.4
222	ok	0.09	0.1	2.38e-04	5.7	5.7	5.7	5.7	-0.7	23.6	-0.3	157.2	476.5	-357.7
223	ok	0.09	0.1	4.13e-04	5.7	5.7	5.7	5.7	-1.4	16.4	-0.6	293.0	513.8	-363.4
224	ok	0.09	0.2	6.50e-04	5.7	5.7	5.7	5.7	-2.1	9.3	-0.9	444.2	552.9	-407.6
225	ok	0.09	0.2	9.70e-04	5.7	5.7	5.7	5.7	-2.9	2.2	-1.3	594.8	583.9	-478.7
226	ok	0.09	0.2	1.38e-03	5.7	5.7	5.7	5.7	-3.7	-4.8	-1.6	721.2	598.3	-567.0
227	ok	0.09	0.2	2.34e-03	5.7	5.7	5.7	5.7	-4.4	-11.8	-1.8	795.2	586.6	-661.4
228	ok	0.09	0.2	3.65e-03	5.7	5.7	5.7	5.7	-5.2	-18.7	-1.9	781.2	538.9	-748.9
229	ok	0.09	0.2	4.99e-03	5.7	5.7	5.7	5.7	-5.8	-25.8	-1.9	634.7	445.6	-813.8
230	ok	0.09	0.2	6.36e-03	5.7	5.7	5.7	5.7	-6.3	-33.0	-1.7	300.9	297.7	-842.1
231	ok	0.09	0.2	7.82e-03	5.7	5.7	5.7	5.7	-6.5	-40.6	-1.4	-282.4	84.4	-853.5
232	ok	0.09	0.1	1.10e-04	5.7	5.7	5.7	5.7	-0.3	20.5	-1.2	-8.9	-207.9	-367.7
233	ok	0.09	0.1	2.19e-04	5.7	5.7	5.7	5.7	-0.7	15.2	-1.1	31.9	-165.1	-352.9
234	ok	0.09	8.69e-02	3.91e-04	5.7	5.7	5.7	5.7	-1.4	10.0	-1.7	90.5	-112.1	-352.5
235	ok	0.09	9.84e-02	6.23e-04	5.7	5.7	5.7	5.7	-2.5	9.6	-0.1	267.9	38.6	-386.0
236	ok	0.09	0.1	9.38e-04	5.7	5.7	5.7	5.7	-3.4	2.5	-0.5	398.4	110.4	-463.1
237	ok	0.09	0.2	1.35e-03	5.7	5.7	5.7	5.7	-4.4	-4.5	-0.7	518.9	174.8	-560.2
238	ok	0.09	0.2	2.27e-03	5.7	5.7	5.7	5.7	-5.3	-11.6	-1.0	603.2	223.2	-666.5
239	ok	0.09	0.2	3.60e-03	5.7	5.7	5.7	5.7	-6.1	-18.6	-1.2	619.6	245.0	-768.3
240	ok	0.09	0.2	4.97e-03	5.7	5.7	5.7	5.7	-6.9	-25.8	-1.3	526.7	228.8	-848.1
241	ok	0.09	0.2	6.37e-03	5.7	5.7	5.7	5.7	-7.4	-33.0	-1.4	271.4	163.6	-889.0
242	ok	0.09	0.2	7.85e-03	5.7	5.7	5.7	5.7	-7.7	-40.7	-1.4	-209.6	38.3	-910.5
243	ok	0.09	0.2	9.13e-05	5.7	5.7	5.7	5.7	-0.3	30.9	0.8	-40.4	-935.2	-368.5
244	ok	0.09	0.2	2.41e-04	5.7	5.7	5.7	5.7	-1.0	23.8	1.1	-65.3	-849.6	-278.6
245	ok	0.09	0.2	4.11e-04	5.7	5.7	5.7	5.7	-1.7	10.1	-1.6	-61.7	-701.2	-304.8
246	ok	0.09	0.1	6.09e-04	5.7	5.7	5.7	5.7	-2.9	9.8	0.8	54.8	-650.5	-329.9
247	ok	0.09	0.1	8.91e-04	5.7	5.7	5.7	5.7	-3.9	2.8	0.6	164.0	-536.7	-406.3
248	ok	0.09	0.1	1.31e-03	5.7	5.7	5.7	5.7	-5.1	-4.3	0.3	276.3	-416.1	-504.0
249	ok	0.09	0.1	2.23e-03	5.7	5.7	5.7	5.7	-6.2	-11.3	7.73e-04	369.3	-295.6	-614.4
250	ok	0.09	0.1	3.54e-03	5.7	5.7	5.7	5.7	-7.3	-18.4	-0.3	416.3	-185.7	-724.2
251	ok	0.09	0.2	4.92e-03	5.7	5.7	5.7	5.7	-8.2	-25.6	-0.6	381.1	-99.7	-815.0
252	ok	0.09	0.2	6.32e-03	5.7	5.7	5.7	5.7	-8.8	-32.8	-0.9	213.0	-49.0	-869.8

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253	ok	0.09	0.2	7.77e-03	5.7	5.7	5.7	5.7	-9.1	-40.3	-1.4	-154.8	-51.7	-901.9
254	ok	0.09	0.4	2.02e-04	5.7	5.7	5.7	5.7	-0.3	30.2	1.4	-110.6	-1908.3	-273.0
255	ok	0.09	0.3	3.85e-04	5.7	5.7	5.7	5.7	-0.9	23.6	1.8	-232.8	-1792.4	-190.0
256	ok	0.09	0.3	5.69e-04	5.7	5.7	5.7	5.7	-1.8	16.9	1.9	-248.9	-1681.1	-199.2
257	ok	0.09	0.3	7.95e-04	5.7	5.7	5.7	5.7	-2.9	10.0	1.9	-196.7	-1552.2	-241.1
258	ok	0.09	0.2	1.06e-03	5.7	5.7	5.7	5.7	-4.3	3.0	1.8	-107.6	-1399.9	-306.0
259	ok	0.09	0.2	1.43e-03	5.7	5.7	5.7	5.7	-5.8	-4.0	1.6	-5.2	-1220.3	-391.7
260	ok	0.09	0.2	2.22e-03	5.7	5.7	5.7	5.7	-7.3	-11.0	1.2	93.3	-1017.9	-492.3
261	ok	0.09	0.2	3.48e-03	5.7	5.7	5.7	5.7	-8.7	-18.0	0.8	169.3	-798.7	-598.7
262	ok	0.09	0.2	4.83e-03	5.7	5.7	5.7	5.7	-9.8	-25.1	0.2	193.7	-579.3	-692.3
263	ok	0.09	0.2	6.21e-03	5.7	5.7	5.7	5.7	-10.5	-32.3	-0.5	119.4	-374.9	-756.4
264	ok	0.09	0.2	7.62e-03	5.7	5.7	5.7	5.7	-10.8	-39.6	-1.2	-131.3	-209.3	-794.8
265	ok	0.09	0.6	3.24e-04	5.7	5.7	5.7	5.7	-0.2	29.4	1.8	-229.6	-3084.1	-122.8
266	ok	0.09	0.5	4.15e-04	5.7	5.7	5.7	5.7	-0.3	23.3	2.3	-466.2	-2961.6	-86.9
267	ok	0.09	0.5	6.10e-04	5.7	5.7	5.7	5.7	-0.9	16.6	2.9	-516.3	-2855.6	-102.4
268	ok	0.09	0.5	9.25e-04	5.7	5.7	5.7	5.7	-2.2	9.9	3.3	-482.1	-2716.1	-128.2
269	ok	0.09	0.4	1.32e-03	5.7	5.7	5.7	5.7	-4.2	3.1	3.6	-408.9	-2533.8	-167.2
270	ok	0.09	0.4	1.74e-03	5.7	5.7	5.7	5.7	-6.5	-3.7	3.4	-316.6	-2301.8	-221.9
271	ok	0.09	0.3	2.44e-03	5.7	5.7	5.7	5.7	-8.8	-10.5	3.0	-215.8	-2014.4	-290.7
272	ok	0.09	0.3	3.45e-03	5.7	5.7	5.7	5.7	-10.7	-17.3	2.1	-116.9	-1670.6	-368.2
273	ok	0.09	0.2	4.70e-03	5.7	5.7	5.7	5.7	-12.1	-24.3	1.1	-38.5	-1279.8	-442.7
274	ok	0.09	0.2	6.03e-03	5.7	5.7	5.7	5.7	-12.8	-31.4	5.16e-02	-17.0	-868.4	-493.3
275	ok	0.09	0.1	7.45e-03	5.7	5.7	5.7	5.7	-13.0	-38.7	-1.0	-144.2	-453.2	-544.4
276	ok	0.09	0.8	3.75e-04	5.7	5.7	5.7	5.7	-0.7	29.1	1.3	-508.9	-4467.6	18.5
277	ok	0.09	0.8	8.64e-05	5.7	5.7	5.7	5.7	2.0	22.2	2.0	-775.6	-4435.6	1.0
278	ok	0.09	0.7	4.14e-04	5.7	5.7	5.7	5.7	1.8	15.5	-3.9	-824.0	-4327.6	-0.6
279	ok	0.09	0.7	9.14e-04	5.7	5.7	5.7	5.7	-0.4	9.1	-5.5	-793.0	-4182.0	2.3
280	ok	0.09	0.7	1.58e-03	5.7	5.7	5.7	5.7	-3.7	2.9	-6.3	-730.2	-3991.7	2.8
281	ok	0.09	0.6	2.31e-03	5.7	5.7	5.7	5.7	-7.4	-3.3	-6.3	-644.7	-3733.1	4.8
282	ok	0.09	0.5	3.04e-03	5.7	5.7	5.7	5.7	-10.9	-9.6	-5.5	-540.3	-3379.2	8.4
283	ok	0.09	0.5	3.68e-03	5.7	5.7	5.7	5.7	-13.7	-16.0	-4.1	-419.7	-2905.6	13.7
284	ok	0.09	0.4	4.51e-03	5.7	5.7	5.7	5.7	-15.6	-22.9	-2.2	-294.9	-2302.7	15.1
285	ok	0.09	0.3	5.77e-03	5.7	5.7	5.7	5.7	-16.0	-30.0	-0.3	-188.5	-1582.3	22.4
286	ok	0.09	0.1	7.22e-03	5.7	5.7	5.7	5.7	-15.5	-37.5	0.8	-156.1	-823.9	27.4
1033	ok	0.09	0.4	0.0	5.7	5.7	5.7	5.7	10.4	82.2	-21.0	23.4	-1739.3	-19.7
1034	ok	0.09	5.72e-02	6.33e-03	5.7	5.7	5.7	5.7	-24.1	-22.0	9.9	-258.1	-321.0	-9.9
1035	ok	0.09	0.3	7.69e-03	5.7	5.7	5.7	5.7	-3.8	-40.0	0.5	-1953.2	-238.6	28.6
1036	ok	0.09	0.3	8.51e-03	5.7	5.7	5.7	5.7	-4.1	-44.2	-0.1	-1771.1	-207.6	96.6
1037	ok	0.09	0.6	2.28e-04	5.7	5.7	5.7	5.7	-0.8	35.1	-0.2	17.2	-3140.3	59.7
1038	ok	0.09	0.3	7.60e-05	5.7	5.7	5.7	5.7	7.12e-03	30.9	2.78e-02	-16.4	1798.7	-66.7
1039	ok	0.09	0.3	7.33e-05	5.7	5.7	5.7	5.7	-8.33e-04	36.7	1.95e-02	-16.3	1695.4	52.9
1040	ok	0.09	0.3	7.51e-05	5.7	5.7	5.7	5.7	2.25e-04	34.5	2.22e-02	-16.5	1885.5	6.9
1041	ok	0.09	0.1	9.34e-03	5.7	5.7	5.7	5.7	-8.8	-48.5	2.3	-762.4	-159.0	189.2
1042	ok	0.09	0.3	6.91e-03	5.7	5.7	5.7	5.7	-10.4	-34.4	6.3	-1692.0	-175.9	-189.7
1043	ok	0.09	0.1	5.94e-05	5.7	5.7	5.7	5.7	4.71e-02	26.1	0.2	-5.8	-169.4	133.2
1044	ok	0.09	0.2	9.23e-03	5.7	5.7	5.7	5.7	-5.3	-48.0	0.3	-1458.8	-164.1	154.3
1045	ok	0.09	9.74e-02	1.18e-04	5.7	5.7	5.7	5.7	7.68e-02	14.9	-1.9	-26.7	-270.3	-215.9
1046	ok	0.09	0.2	7.01e-05	5.7	5.7	5.7	5.7	7.93e-03	38.5	3.60e-02	-14.1	1259.8	93.0
1047	ok	0.09	0.3	7.05e-03	5.7	5.7	5.7	5.7	-4.6	-36.6	2.1	-2011.2	-246.0	-47.1
1048	ok	0.09	0.2	8.46e-05	5.7	5.7	5.7	5.7	-4.01e-02	27.2	1.47e-02	-14.8	1053.3	-127.9
1049	ok	0.09	0.3	7.58e-05	5.7	5.7	5.7	5.7	1.11e-02	32.1	2.06e-02	-17.5	1881.6	-42.3
1050	ok	0.09	0.2	7.26e-03	5.7	5.7	5.7	5.7	-18.5	-33.6	8.9	-878.3	-123.6	-240.8
1051	ok	0.09	0.1	7.02e-03	5.7	5.7	5.7	5.7	-21.9	-31.9	8.2	-435.1	-322.0	-225.3
1052	ok	0.09	0.2	7.07e-03	5.7	5.7	5.7	5.7	-12.9	-34.6	7.3	-1488.6	-144.1	-217.9
1053	ok	0.09	0.2	9.50e-03	5.7	5.7	5.7	5.7	-7.3	-49.4	1.6	-1017.1	-140.0	189.0
1054	ok	0.09	0.3	8.09e-03	5.7	5.7	5.7	5.7	-3.8	-42.1	7.21e-02	-1877.8	-225.6	63.5
1055	ok	0.09	0.1	6.42e-05	5.7	5.7	5.7	5.7	1.82e-02	39.4	2.45e-02	-11.4	439.6	118.7
1056	ok	0.09	8.04e-02	8.66e-03	5.7	5.7	5.7	5.7	-14.9	-44.6	2.1	-297.0	-369.7	115.9
1057	ok	0.09	0.2	7.22e-03	5.7	5.7	5.7	5.7	-15.7	-34.5	8.2	-1218.9	-117.6	-237.5
1058	ok	0.09	0.4	6.79e-05	5.7	5.7	5.7	5.7	-7.00e-02	37.2	-7.83e-02	-0.5	-1940.2	101.6
1059	ok	0.09	0.3	7.44e-05	5.7	5.7	5.7	5.7	-9.58e-04	35.6	2.10e-02	-16.5	1815.8	30.7
1060	ok	0.09	0.3	8.90e-03	5.7	5.7	5.7	5.7	-4.6	-46.3	-7.06e-02	-1631.8	-186.2	127.3
1061	ok	0.09	0.3	7.33e-03	5.7	5.7	5.7	5.7	-4.0	-38.1	1.3	-1997.8	-245.6	-10.3
1062	ok	0.09	0.3	7.20e-05	5.7	5.7	5.7	5.7	5.08e-03	37.6	3.63e-02	-14.9	1515.4	74.1
1063	ok	0.09	0.2	8.51e-05	5.7	5.7	5.7	5.7	-0.1	26.8	-5.09e-02	-12.9	570.7	-140.4
1064	ok	0.09	0.3	7.55e-05	5.7	5.7	5.7	5.7	7.91e-03	33.3	2.42e-02	-17.0	1908.1	-18.5
1065	ok	0.09	0.3	6.80e-03	5.7	5.7	5.7	5.7	-8.3	-34.4	5.3	-1838.2	-203.9	-156.6
1066	ok	0.09	0.3	6.78e-03	5.7	5.7	5.7	5.7	-6.7	-34.7	4.2	-1935.7	-225.3	-120.9
1067	ok	0.09	0.2	9.45e-03	5.7	5.7	5.7	5.7	-6.2	-49.1	0.9	-1252.6	-146.0	175.9
1068	ok	0.09	9.86e-02	9.00e-03	5.7	5.7	5.7	5.7	-10.9	-46.7	2.7	-509.7	-221.4	169.1
1069	ok	0.09	0.2	6.05e-04	5.7	5.7	5.7	5.7	-0.2	29.4	-2.0	-56.1	-941.3	-183.0
1070	ok	0.09	0.2	5.29e-05	5.7	5.7	5.7	5.7	1.82e-02	38.6	-2.19e-02	-5.7	-961.4	118.4
1071	ok	0.09	0.2	6.76e-05	5.7	5.7	5.7	5.7	1.24e-02	39.1	3.27e-02	-13.0	909.2	108.3
1072	ok	0.09	0.3	7.92e-05	5.7	5.7	5.7	5.7	5.83e-03	29.5	3.04e-02	-16.2	1645.5	-89.7
1073	ok	0.09	0.3	6.86e-03	5.7	5.7	5.7	5.7	-5.5	-35.4	3.1	-1991.6	-239.3	-84.1
1074	ok	0.09	0.3	8.23e-05	5.7	5.7	5.7	5.7	-4.69e-03	28.3	2.97e-02	-15.7	1404.2	-110.5
1075	ok	0.09	0.6	3.24e-04	5.7	5.7	5.7	5.7	-0.2	29.4	-1.8	-229.6	-3084.1	122.8
1076	ok	0.09	0.5	4.15e-04	5.7	5.7	5.7	5.7	-0.3	23.3	-2.3	-466.2	-2961.6	86.9

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1077	ok	0.09	0.5	6.10e-04	5.7	5.7	5.7	5.7	-0.9	16.6	-2.9	-516.3	-2855.6	102.4
1078	ok	0.09	0.5	9.25e-04	5.7	5.7	5.7	5.7	-2.2	9.9	-3.3	-482.1	-2716.1	128.2
1079	ok	0.09	0.4	1.32e-03	5.7	5.7	5.7	5.7	-4.2	3.1	-3.6	-408.9	-2533.8	167.2
1080	ok	0.09	0.4	1.74e-03	5.7	5.7	5.7	5.7	-6.5	-3.7	-3.4	-316.6	-2301.8	221.9
1081	ok	0.09	0.3	2.44e-03	5.7	5.7	5.7	5.7	-8.8	-10.5	-3.0	-215.8	-2014.4	290.7
1082	ok	0.09	0.3	3.45e-03	5.7	5.7	5.7	5.7	-10.7	-17.3	-2.1	-116.9	-1670.6	368.2
1083	ok	0.09	0.2	4.70e-03	5.7	5.7	5.7	5.7	-12.1	-24.3	-1.1	-38.5	-1279.8	442.7
1084	ok	0.09	0.2	6.03e-03	5.7	5.7	5.7	5.7	-12.8	-31.4	-5.16e-02	-17.0	-868.4	493.3
1085	ok	0.09	0.1	7.45e-03	5.7	5.7	5.7	5.7	-13.0	-38.7	1.0	-144.2	-453.2	544.4
1086	ok	0.09	0.4	2.02e-04	5.7	5.7	5.7	5.7	-0.3	30.2	-1.4	-110.6	-1908.3	273.0
1087	ok	0.09	0.3	3.85e-04	5.7	5.7	5.7	5.7	-0.9	23.6	-1.8	-232.8	-1792.4	190.0
1088	ok	0.09	0.3	5.69e-04	5.7	5.7	5.7	5.7	-1.8	16.9	-1.9	-248.9	-1681.1	199.2
1089	ok	0.09	0.3	7.95e-04	5.7	5.7	5.7	5.7	-2.9	10.0	-1.9	-196.7	-1552.2	241.1
1090	ok	0.09	0.2	1.06e-03	5.7	5.7	5.7	5.7	-4.3	3.0	-1.8	-107.6	-1399.9	306.0
1091	ok	0.09	0.2	1.43e-03	5.7	5.7	5.7	5.7	-5.8	-4.0	-1.6	-5.2	-1220.3	391.7
1092	ok	0.09	0.2	2.22e-03	5.7	5.7	5.7	5.7	-7.3	-11.0	-1.2	93.3	-1017.9	492.3
1093	ok	0.09	0.2	3.48e-03	5.7	5.7	5.7	5.7	-8.7	-18.0	-0.8	169.3	-798.7	598.7
1094	ok	0.09	0.2	4.83e-03	5.7	5.7	5.7	5.7	-9.8	-25.1	-0.2	193.7	-579.3	692.3
1095	ok	0.09	0.2	6.21e-03	5.7	5.7	5.7	5.7	-10.5	-32.3	0.5	119.4	-374.9	756.4
1096	ok	0.09	0.2	7.62e-03	5.7	5.7	5.7	5.7	-10.8	-39.6	1.2	-131.3	-209.3	794.8
1097	ok	0.09	0.2	9.13e-05	5.7	5.7	5.7	5.7	-0.3	30.9	-0.8	-40.4	-935.2	368.5
1098	ok	0.09	0.2	2.41e-04	5.7	5.7	5.7	5.7	-1.0	23.8	-1.1	-65.3	-849.6	278.6
1099	ok	0.09	0.2	4.11e-04	5.7	5.7	5.7	5.7	-1.9	16.8	-1.0	-29.4	-754.6	282.7
1100	ok	0.09	0.1	6.09e-04	5.7	5.7	5.7	5.7	-2.9	9.8	-0.8	54.8	-650.5	329.9
1101	ok	0.09	0.1	8.91e-04	5.7	5.7	5.7	5.7	-3.9	2.8	-0.6	164.0	-536.7	406.3
1102	ok	0.09	0.1	1.31e-03	5.7	5.7	5.7	5.7	-5.1	-4.3	-0.3	276.3	-416.1	504.0
1103	ok	0.09	0.1	2.23e-03	5.7	5.7	5.7	5.7	-6.2	-11.3	-7.73e-04	369.3	-295.6	614.4
1104	ok	0.09	0.1	3.54e-03	5.7	5.7	5.7	5.7	-7.3	-18.4	0.3	416.3	-185.7	724.2
1105	ok	0.09	0.2	4.92e-03	5.7	5.7	5.7	5.7	-8.2	-25.6	0.6	381.1	-99.7	815.0
1106	ok	0.09	0.2	6.32e-03	5.7	5.7	5.7	5.7	-8.8	-32.8	0.9	213.0	-49.0	869.8
1107	ok	0.09	0.2	7.77e-03	5.7	5.7	5.7	5.7	-9.1	-40.3	1.4	-154.8	-51.7	901.9
1108	ok	0.09	0.1	1.10e-04	5.7	5.7	5.7	5.7	-0.2	31.2	-0.3	9.2	-155.0	416.8
1109	ok	0.09	0.1	2.19e-04	5.7	5.7	5.7	5.7	-0.8	23.8	-0.3	60.0	-102.7	335.2
1110	ok	0.09	8.69e-02	3.91e-04	5.7	5.7	5.7	5.7	-1.6	16.6	-0.2	149.5	-35.6	339.0
1111	ok	0.09	9.84e-02	6.23e-04	5.7	5.7	5.7	5.7	-2.5	9.6	0.1	267.9	38.6	386.0
1112	ok	0.09	0.1	9.38e-04	5.7	5.7	5.7	5.7	-3.4	2.5	0.5	398.4	110.4	463.1
1113	ok	0.09	0.2	1.35e-03	5.7	5.7	5.7	5.7	-4.4	-4.5	0.7	518.9	174.8	560.2
1114	ok	0.09	0.2	2.27e-03	5.7	5.7	5.7	5.7	-5.3	-11.6	1.0	603.2	223.2	666.5
1115	ok	0.09	0.2	3.60e-03	5.7	5.7	5.7	5.7	-6.1	-18.6	1.2	619.6	245.0	768.3
1116	ok	0.09	0.2	4.97e-03	5.7	5.7	5.7	5.7	-6.9	-25.8	1.3	526.7	228.8	848.1
1117	ok	0.09	0.2	6.37e-03	5.7	5.7	5.7	5.7	-7.4	-33.0	1.4	271.4	163.6	889.0
1118	ok	0.09	0.2	7.85e-03	5.7	5.7	5.7	5.7	-7.7	-40.7	1.4	-209.6	38.3	910.5
1119	ok	0.09	0.1	1.21e-04	5.7	5.7	5.7	5.7	-0.2	31.2	0.1	46.8	454.2	426.4
1120	ok	0.09	0.1	2.38e-04	5.7	5.7	5.7	5.7	-0.7	23.6	0.3	157.2	476.5	357.7
1121	ok	0.09	0.1	4.13e-04	5.7	5.7	5.7	5.7	-1.4	16.4	0.6	293.0	513.8	363.4
1122	ok	0.09	0.2	6.50e-04	5.7	5.7	5.7	5.7	-2.1	9.3	0.9	444.2	552.9	407.6
1123	ok	0.09	0.2	9.70e-04	5.7	5.7	5.7	5.7	-2.9	2.2	1.3	594.8	583.9	478.7
1124	ok	0.09	0.2	1.38e-03	5.7	5.7	5.7	5.7	-3.7	-4.8	1.6	721.2	598.3	567.0
1125	ok	0.09	0.2	2.34e-03	5.7	5.7	5.7	5.7	-4.4	-11.8	1.8	795.2	586.6	661.4
1126	ok	0.09	0.2	3.65e-03	5.7	5.7	5.7	5.7	-5.2	-18.7	1.9	781.2	538.9	748.9
1127	ok	0.09	0.2	4.99e-03	5.7	5.7	5.7	5.7	-5.8	-25.8	1.9	634.7	445.6	813.8
1128	ok	0.09	0.2	6.36e-03	5.7	5.7	5.7	5.7	-6.3	-33.0	1.7	300.9	297.7	842.1
1129	ok	0.09	0.2	7.82e-03	5.7	5.7	5.7	5.7	-6.5	-40.6	1.4	-282.4	84.4	853.5
1130	ok	0.09	0.2	1.25e-04	5.7	5.7	5.7	5.7	-0.1	31.0	0.4	76.1	918.7	404.7
1131	ok	0.09	0.2	2.51e-04	5.7	5.7	5.7	5.7	-0.5	23.3	0.8	232.8	914.8	349.5
1132	ok	0.09	0.2	4.27e-04	5.7	5.7	5.7	5.7	-1.1	16.0	1.2	406.8	924.0	356.8
1133	ok	0.09	0.2	6.67e-04	5.7	5.7	5.7	5.7	-1.7	8.9	1.6	586.1	931.8	396.0
1134	ok	0.09	0.2	9.89e-04	5.7	5.7	5.7	5.7	-2.4	1.9	1.9	753.5	926.6	457.6
1135	ok	0.09	0.2	1.40e-03	5.7	5.7	5.7	5.7	-3.0	-5.0	2.2	884.0	899.0	532.9
1136	ok	0.09	0.2	2.42e-03	5.7	5.7	5.7	5.7	-3.7	-11.9	2.4	947.2	839.2	611.9
1137	ok	0.09	0.2	3.69e-03	5.7	5.7	5.7	5.7	-4.3	-18.8	2.5	905.0	738.2	682.9
1138	ok	0.09	0.2	4.98e-03	5.7	5.7	5.7	5.7	-4.9	-25.7	2.4	711.1	587.4	732.7
1139	ok	0.09	0.2	6.31e-03	5.7	5.7	5.7	5.7	-5.3	-32.7	2.1	309.4	379.6	749.8
1140	ok	0.09	0.2	7.71e-03	5.7	5.7	5.7	5.7	-5.5	-40.0	1.4	-361.0	104.1	753.3
1141	ok	0.09	0.2	1.33e-04	5.7	5.7	5.7	5.7	-9.01e-02	30.5	0.7	98.7	1265.1	357.8
1142	ok	0.09	0.2	2.60e-04	5.7	5.7	5.7	5.7	-0.4	22.9	1.2	291.3	1239.6	315.0
1143	ok	0.09	0.2	4.35e-04	5.7	5.7	5.7	5.7	-0.8	15.6	1.7	495.3	1225.1	322.6
1144	ok	0.09	0.2	6.76e-04	5.7	5.7	5.7	5.7	-1.4	8.5	2.2	697.2	1206.2	355.3
1145	ok	0.09	0.2	9.99e-04	5.7	5.7	5.7	5.7	-1.9	1.6	2.5	877.8	1170.9	405.6
1146	ok	0.09	0.2	1.40e-03	5.7	5.7	5.7	5.7	-2.5	-5.3	2.8	1010.6	1109.5	466.2
1147	ok	0.09	0.3	2.49e-03	5.7	5.7	5.7	5.7	-3.0	-12.0	3.0	1063.3	1012.4	528.6
1148	ok	0.09	0.2	3.71e-03	5.7	5.7	5.7	5.7	-3.6	-18.7	3.0	996.6	871.3	583.0
1149	ok	0.09	0.2	4.96e-03	5.7	5.7	5.7	5.7	-4.1	-25.4	2.8	762.3	678.6	618.9
1150	ok	0.09	0.2	6.22e-03	5.7	5.7	5.7	5.7	-4.4	-32.2	2.4	304.2	428.0	627.2
1151	ok	0.09	0.1	7.52e-03	5.7	5.7	5.7	5.7	-4.7	-39.1	1.5	-436.9	109.1	625.1
1152	ok	0.09	0.3	1.41e-04	5.7	5.7	5.7	5.7	-6.24e-02	29.9	0.8	115.8	1517.4	291.2
1153	ok	0.09	0.3	2.66e-04	5.7	5.7	5.7	5.7	-0.3	22.4	1.5	335.5	1475.0	259.3
1154	ok	0.09	0.3	4.40e-04	5.7	5.7	5.7	5.7	-0.6	15.1	2.1	562.1	1441.6	265.9

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1155	ok	0.09	0.3	6.80e-04	5.7	5.7	5.7	5.7	-1.1	8.1	2.6	781.0	1401.4	291.1
1156	ok	0.09	0.3	1.00e-03	5.7	5.7	5.7	5.7	-1.5	1.2	3.0	971.2	1342.3	329.1
1157	ok	0.09	0.3	1.44e-03	5.7	5.7	5.7	5.7	-2.0	-5.5	3.3	1104.8	1254.9	374.3
1158	ok	0.09	0.3	2.55e-03	5.7	5.7	5.7	5.7	-2.5	-12.1	3.5	1148.4	1129.9	420.1
1159	ok	0.09	0.2	3.72e-03	5.7	5.7	5.7	5.7	-2.9	-18.7	3.5	1061.2	959.4	458.9
1160	ok	0.09	0.2	4.91e-03	5.7	5.7	5.7	5.7	-3.4	-25.1	3.2	794.4	736.6	482.5
1161	ok	0.09	0.1	6.10e-03	5.7	5.7	5.7	5.7	-3.7	-31.5	2.7	291.6	455.9	484.5
1162	ok	0.09	0.1	7.29e-03	5.7	5.7	5.7	5.7	-4.0	-37.8	1.6	-504.3	106.8	478.6
1163	ok	0.09	0.3	1.43e-04	5.7	5.7	5.7	5.7	-4.20e-02	29.1	1.0	128.1	1695.5	209.9
1164	ok	0.09	0.3	2.59e-04	5.7	5.7	5.7	5.7	-0.2	21.7	1.8	367.2	1640.6	187.6
1165	ok	0.09	0.3	4.41e-04	5.7	5.7	5.7	5.7	-0.5	14.6	2.4	609.7	1593.1	191.9
1166	ok	0.09	0.3	6.80e-04	5.7	5.7	5.7	5.7	-0.8	7.6	3.0	840.4	1536.9	208.8
1167	ok	0.09	0.3	9.99e-04	5.7	5.7	5.7	5.7	-1.2	0.8	3.4	1036.9	1460.4	234.1
1168	ok	0.09	0.3	1.53e-03	5.7	5.7	5.7	5.7	-1.6	-5.8	3.7	1170.4	1353.9	263.9
1169	ok	0.09	0.2	2.60e-03	5.7	5.7	5.7	5.7	-2.1	-12.2	3.9	1206.5	1208.8	293.5
1170	ok	0.09	0.2	3.73e-03	5.7	5.7	5.7	5.7	-2.5	-18.5	3.9	1103.5	1017.4	317.7
1171	ok	0.09	0.2	4.86e-03	5.7	5.7	5.7	5.7	-2.8	-24.7	3.6	812.2	773.5	330.7
1172	ok	0.09	0.1	5.96e-03	5.7	5.7	5.7	5.7	-3.2	-30.7	3.0	276.4	472.1	328.5
1173	ok	0.09	0.1	7.04e-03	5.7	5.7	5.7	5.7	-3.5	-36.5	1.9	-579.2	119.7	286.1
1174	ok	0.09	0.3	1.46e-04	5.7	5.7	5.7	5.7	-4.05e-02	28.2	1.1	135.8	1814.2	118.7
1175	ok	0.09	0.3	2.59e-04	5.7	5.7	5.7	5.7	-0.2	21.0	1.9	387.6	1750.9	104.5
1176	ok	0.09	0.3	4.22e-04	5.7	5.7	5.7	5.7	-0.4	13.9	2.7	640.0	1694.0	105.8
1177	ok	0.09	0.3	6.78e-04	5.7	5.7	5.7	5.7	-0.7	7.1	3.3	877.7	1626.9	114.0
1178	ok	0.09	0.3	9.94e-04	5.7	5.7	5.7	5.7	-1.0	0.5	3.8	1077.6	1538.5	126.5
1179	ok	0.09	0.2	1.62e-03	5.7	5.7	5.7	5.7	-1.4	-6.0	4.1	1210.3	1419.3	140.9
1180	ok	0.09	0.2	2.65e-03	5.7	5.7	5.7	5.7	-1.8	-12.3	4.3	1240.8	1260.7	154.8
1181	ok	0.09	0.2	3.73e-03	5.7	5.7	5.7	5.7	-2.2	-18.4	4.2	1127.1	1055.3	165.2
1182	ok	0.09	0.2	4.80e-03	5.7	5.7	5.7	5.7	-2.5	-24.3	3.9	819.5	797.6	168.7
1183	ok	0.09	9.59e-02	5.82e-03	5.7	5.7	5.7	5.7	-1.6	-27.2	3.4	375.9	371.8	166.4
1184	ok	0.09	0.1	6.80e-03	5.7	5.7	5.7	5.7	-3.3	-35.2	2.2	-620.6	116.8	133.9
1185	ok	0.09	0.3	1.49e-04	5.7	5.7	5.7	5.7	-3.35e-02	27.2	1.1	140.0	1882.9	21.0
1186	ok	0.09	0.3	2.57e-04	5.7	5.7	5.7	5.7	-0.1	20.1	2.1	397.5	1815.1	14.7
1187	ok	0.09	0.3	4.19e-04	5.7	5.7	5.7	5.7	-0.3	13.2	2.9	653.8	1753.4	12.4
1188	ok	0.09	0.3	6.57e-04	5.7	5.7	5.7	5.7	-0.6	6.5	3.6	894.3	1680.5	11.4
1189	ok	0.09	0.3	9.90e-04	5.7	5.7	5.7	5.7	-1.0	4.06e-02	4.1	1094.9	1585.8	10.6
1190	ok	0.09	0.2	1.71e-03	5.7	5.7	5.7	5.7	-1.3	-6.3	4.5	1226.3	1459.6	9.7
1191	ok	0.09	0.2	2.71e-03	5.7	5.7	5.7	5.7	-1.7	-12.3	4.7	1253.5	1293.3	8.0
1192	ok	0.09	0.2	3.74e-03	5.7	5.7	5.7	5.7	-2.1	-18.2	4.6	1134.2	1079.8	4.9
1193	ok	0.09	0.1	4.74e-03	5.7	5.7	5.7	5.7	-2.5	-23.8	4.3	818.6	813.5	-0.3
1194	ok	0.09	8.50e-02	5.70e-03	5.7	5.7	5.7	5.7	-1.5	-26.5	3.7	357.5	379.1	50.1
1195	ok	0.09	0.1	6.58e-03	5.7	5.7	5.7	5.7	-3.4	-34.0	2.7	-626.1	96.7	-26.7
1196	ok	0.09	0.3	1.51e-04	5.7	5.7	5.7	5.7	-3.09e-02	26.2	1.2	140.2	1905.5	-79.3
1197	ok	0.09	0.3	2.54e-04	5.7	5.7	5.7	5.7	-0.1	19.2	2.2	397.2	1836.9	-77.7
1198	ok	0.09	0.3	4.08e-04	5.7	5.7	5.7	5.7	-0.3	12.5	3.1	652.3	1774.2	-83.9
1199	ok	0.09	0.3	6.59e-04	5.7	5.7	5.7	5.7	-0.6	5.9	3.9	890.5	1700.9	-94.4
1200	ok	0.09	0.3	1.09e-03	5.7	5.7	5.7	5.7	-1.0	-0.4	4.5	1089.0	1605.0	-108.6
1201	ok	0.09	0.2	1.83e-03	5.7	5.7	5.7	5.7	-1.4	-6.5	4.9	1218.7	1477.2	-125.4
1202	ok	0.09	0.2	2.78e-03	5.7	5.7	5.7	5.7	-1.9	-12.4	5.1	1244.8	1309.0	-143.1
1203	ok	0.09	0.2	3.75e-03	5.7	5.7	5.7	5.7	-2.3	-18.0	5.0	1125.3	1092.9	-159.9
1204	ok	0.09	0.2	4.70e-03	5.7	5.7	5.7	5.7	-2.8	-23.4	4.7	810.1	823.3	-173.6
1205	ok	0.09	0.1	5.59e-03	5.7	5.7	5.7	5.7	-3.3	-28.4	4.1	241.9	495.5	-184.0
1206	ok	0.09	0.1	6.40e-03	5.7	5.7	5.7	5.7	-3.8	-32.9	3.3	-655.5	118.1	-176.5
1207	ok	0.09	0.3	1.51e-04	5.7	5.7	5.7	5.7	-3.00e-02	25.1	1.2	136.5	1879.8	-178.5
1208	ok	0.09	0.3	2.50e-04	5.7	5.7	5.7	5.7	-0.1	18.2	2.4	386.4	1814.2	-168.3
1209	ok	0.09	0.3	3.60e-04	5.7	5.7	5.7	5.7	-0.3	11.6	3.4	634.2	1755.2	-178.0
1210	ok	0.09	0.3	6.72e-04	5.7	5.7	5.7	5.7	-0.7	5.2	4.3	865.9	1685.4	-197.9
1211	ok	0.09	0.3	1.23e-03	5.7	5.7	5.7	5.7	-1.1	-1.0	5.0	1059.1	1593.8	-225.9
1212	ok	0.09	0.3	1.97e-03	5.7	5.7	5.7	5.7	-1.7	-6.8	5.4	1186.5	1470.2	-259.0
1213	ok	0.09	0.3	2.87e-03	5.7	5.7	5.7	5.7	-2.2	-12.5	5.6	1213.8	1305.8	-293.5
1214	ok	0.09	0.2	3.78e-03	5.7	5.7	5.7	5.7	-2.8	-17.9	5.5	1099.5	1093.0	-324.9
1215	ok	0.09	0.2	4.67e-03	5.7	5.7	5.7	5.7	-3.4	-23.0	5.2	793.5	826.0	-348.2
1216	ok	0.09	0.1	5.51e-03	5.7	5.7	5.7	5.7	-3.9	-27.8	4.7	237.4	499.9	-361.4
1217	ok	0.09	0.1	6.27e-03	5.7	5.7	5.7	5.7	-4.6	-32.1	4.0	-626.2	104.2	-380.9
1218	ok	0.09	0.3	1.49e-04	5.7	5.7	5.7	5.7	-2.49e-02	23.9	1.3	128.4	1798.1	-272.6
1219	ok	0.09	0.3	2.32e-04	5.7	5.7	5.7	5.7	-0.1	17.1	2.5	364.4	1739.3	-252.8
1220	ok	0.09	0.3	3.90e-04	5.7	5.7	5.7	5.7	-0.3	10.6	3.7	598.5	1688.1	-265.5
1221	ok	0.09	0.3	8.04e-04	5.7	5.7	5.7	5.7	-0.8	4.3	4.7	818.3	1627.0	-294.7
1222	ok	0.09	0.3	1.40e-03	5.7	5.7	5.7	5.7	-1.4	-1.6	5.5	1003.2	1545.1	-336.4
1223	ok	0.09	0.3	2.15e-03	5.7	5.7	5.7	5.7	-2.1	-7.2	6.1	1127.4	1431.6	-386.4
1224	ok	0.09	0.3	3.00e-03	5.7	5.7	5.7	5.7	-2.8	-12.5	6.3	1157.9	1277.7	-438.6
1225	ok	0.09	0.3	3.85e-03	5.7	5.7	5.7	5.7	-3.6	-17.7	6.2	1054.2	1075.2	-486.2
1226	ok	0.09	0.2	4.67e-03	5.7	5.7	5.7	5.7	-4.3	-22.6	5.8	766.4	817.7	-521.3
1227	ok	0.09	0.2	5.46e-03	5.7	5.7	5.7	5.7	-5.0	-27.2	5.3	235.4	500.2	-538.4
1228	ok	0.09	0.1	6.19e-03	5.7	5.7	5.7	5.7	-5.8	-31.4	4.7	-599.7	112.7	-558.9
1229	ok	0.09	0.3	1.39e-04	5.7	5.7	5.7	5.7	-2.67e-03	22.6	1.3	115.6	1647.1	-357.6
1230	ok	0.09	0.3	2.13e-04	5.7	5.7	5.7	5.7	-4.61e-02	15.9	2.7	329.6	1598.9	-326.8
1231	ok	0.09	0.3	4.56e-04	5.7	5.7	5.7	5.7	-0.3	9.4	4.1	542.9	1559.5	-341.8
1232	ok	0.09	0.3	9.69e-04	5.7	5.7	5.7	5.7	-0.9	3.3	5.3	745.4	1511.7	-379.8

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1233	ok	0.09	0.3	1.60e-03	5.7	5.7	5.7	5.7	-1.7	-2.3	6.3	918.1	1444.6	-435.5
1234	ok	0.09	0.3	2.39e-03	5.7	5.7	5.7	5.7	-2.6	-7.5	6.9	1037.8	1347.8	-502.6
1235	ok	0.09	0.3	3.18e-03	5.7	5.7	5.7	5.7	-3.7	-12.6	7.1	1073.0	1212.0	-573.6
1236	ok	0.09	0.3	3.96e-03	5.7	5.7	5.7	5.7	-4.7	-17.5	7.0	984.9	1028.7	-638.9
1237	ok	0.09	0.2	4.71e-03	5.7	5.7	5.7	5.7	-5.6	-22.2	6.6	724.9	790.4	-687.5
1238	ok	0.09	0.2	5.46e-03	5.7	5.7	5.7	5.7	-6.5	-26.7	6.1	233.1	491.7	-710.7
1239	ok	0.09	0.2	6.17e-03	5.7	5.7	5.7	5.7	-7.4	-30.9	5.6	-555.3	122.5	-732.8
1240	ok	0.09	0.3	1.20e-04	5.7	5.7	5.7	5.7	6.51e-02	21.3	1.3	97.0	1408.8	-429.0
1241	ok	0.09	0.3	1.71e-04	5.7	5.7	5.7	5.7	0.1	14.4	2.8	279.8	1374.7	-386.0
1242	ok	0.09	0.2	5.60e-04	5.7	5.7	5.7	5.7	-0.1	7.9	4.6	464.5	1350.4	-402.5
1243	ok	0.09	0.3	1.18e-03	5.7	5.7	5.7	5.7	-0.9	2.1	6.2	643.6	1319.5	-448.8
1244	ok	0.09	0.3	1.92e-03	5.7	5.7	5.7	5.7	-2.0	-3.1	7.4	800.3	1272.2	-517.4
1245	ok	0.09	0.3	2.71e-03	5.7	5.7	5.7	5.7	-3.3	-8.0	8.1	913.4	1198.8	-601.1
1246	ok	0.09	0.3	3.44e-03	5.7	5.7	5.7	5.7	-4.6	-12.6	8.3	954.1	1090.2	-690.9
1247	ok	0.09	0.3	4.13e-03	5.7	5.7	5.7	5.7	-6.0	-17.2	8.2	886.3	937.0	-775.0
1248	ok	0.09	0.2	4.81e-03	5.7	5.7	5.7	5.7	-7.2	-21.7	7.7	663.4	731.0	-839.3
1249	ok	0.09	0.2	5.50e-03	5.7	5.7	5.7	5.7	-8.4	-26.1	7.1	226.1	465.4	-871.0
1250	ok	0.09	0.2	6.20e-03	5.7	5.7	5.7	5.7	-9.4	-30.4	6.5	-494.2	130.1	-895.9
1251	ok	0.09	0.2	7.67e-05	5.7	5.7	5.7	5.7	0.2	20.0	1.0	71.3	1061.3	-482.1
1252	ok	0.09	0.2	1.44e-04	5.7	5.7	5.7	5.7	0.6	12.5	2.8	211.3	1044.1	-426.7
1253	ok	0.09	0.2	7.13e-04	5.7	5.7	5.7	5.7	0.3	5.9	5.2	359.0	1036.3	-444.5
1254	ok	0.09	0.2	1.47e-03	5.7	5.7	5.7	5.7	-0.8	0.4	7.4	509.2	1024.0	-497.8
1255	ok	0.09	0.2	2.34e-03	5.7	5.7	5.7	5.7	-2.4	-4.2	8.9	646.4	999.9	-577.1
1256	ok	0.09	0.2	3.11e-03	5.7	5.7	5.7	5.7	-4.1	-8.4	9.6	750.2	956.6	-675.2
1257	ok	0.09	0.3	3.78e-03	5.7	5.7	5.7	5.7	-5.8	-12.6	9.8	796.2	884.8	-782.0
1258	ok	0.09	0.3	4.40e-03	5.7	5.7	5.7	5.7	-7.4	-16.9	9.6	752.0	775.0	-884.4
1259	ok	0.09	0.3	5.00e-03	5.7	5.7	5.7	5.7	-9.0	-21.1	9.1	575.1	618.1	-965.2
1260	ok	0.09	0.2	5.61e-03	5.7	5.7	5.7	5.7	-10.5	-25.4	8.4	208.0	406.0	-1007.6
1261	ok	0.09	0.2	6.28e-03	5.7	5.7	5.7	5.7	-11.8	-29.9	7.6	-419.7	128.4	-1036.6
1262	ok	0.09	0.2	5.07e-05	5.7	5.7	5.7	5.7	0.7	18.8	9.67e-02	35.2	581.6	-512.0
1263	ok	0.09	0.1	1.56e-04	5.7	5.7	5.7	5.7	1.7	9.8	2.7	117.8	581.2	-447.2
1264	ok	0.09	0.1	9.83e-04	5.7	5.7	5.7	5.7	1.1	3.1	6.3	220.9	586.7	-467.6
1265	ok	0.09	0.2	1.97e-03	5.7	5.7	5.7	5.7	-0.7	-1.6	9.1	338.6	591.1	-525.5
1266	ok	0.09	0.2	2.87e-03	5.7	5.7	5.7	5.7	-2.8	-5.3	10.8	452.9	592.1	-611.0
1267	ok	0.09	0.2	3.59e-03	5.7	5.7	5.7	5.7	-5.0	-8.9	11.6	544.6	583.9	-718.4
1268	ok	0.09	0.2	4.21e-03	5.7	5.7	5.7	5.7	-7.0	-12.6	11.7	594.5	558.3	-837.8
1269	ok	0.09	0.2	4.77e-03	5.7	5.7	5.7	5.7	-9.0	-16.5	11.4	576.3	506.1	-955.1
1270	ok	0.09	0.2	5.30e-03	5.7	5.7	5.7	5.7	-11.0	-20.4	10.8	453.0	418.3	-1050.2
1271	ok	0.09	0.2	5.83e-03	5.7	5.7	5.7	5.7	-12.8	-24.5	10.0	171.1	286.7	-1102.4
1272	ok	0.09	0.2	6.42e-03	5.7	5.7	5.7	5.7	-14.5	-29.0	8.9	-339.4	102.3	-1135.8
1273	ok	0.09	0.1	1.36e-04	5.7	5.7	5.7	5.7	1.9	6.1	-4.4	-53.3	-270.1	-451.7
1274	ok	0.09	0.1	3.18e-04	5.7	5.7	5.7	5.7	2.9	-1.9	-1.1	-57.6	-250.0	-454.3
1275	ok	0.09	0.1	1.50e-03	5.7	5.7	5.7	5.7	1.5	-4.5	2.2	-20.5	-225.4	-472.1
1276	ok	0.09	0.1	2.68e-03	5.7	5.7	5.7	5.7	-0.2	-5.5	4.5	45.8	-188.8	-510.0
1277	ok	0.09	0.1	3.50e-03	5.7	5.7	5.7	5.7	-3.4	-6.4	13.2	217.8	4.4	-619.9
1278	ok	0.09	0.1	4.15e-03	5.7	5.7	5.7	5.7	-5.8	-9.3	13.9	294.6	33.9	-728.4
1279	ok	0.09	0.2	4.71e-03	5.7	5.7	5.7	5.7	-8.2	-12.5	14.0	345.9	61.5	-852.6
1280	ok	0.09	0.2	5.23e-03	5.7	5.7	5.7	5.7	-10.6	-16.0	13.6	354.2	79.9	-977.6
1281	ok	0.09	0.2	5.72e-03	5.7	5.7	5.7	5.7	-12.9	-19.7	13.0	291.7	81.2	-1080.6
1282	ok	0.09	0.2	6.18e-03	5.7	5.7	5.7	5.7	-15.2	-23.5	12.1	110.5	59.5	-1134.1
1283	ok	0.09	0.2	6.62e-03	5.7	5.7	5.7	5.7	-17.1	-27.7	10.7	-264.8	16.4	-1163.3
1284	ok	0.09	0.2	5.45e-04	5.7	5.7	5.7	5.7	7.3	-0.8	-5.6	-168.8	-1018.3	-423.0
1285	ok	0.09	0.2	1.17e-03	5.7	5.7	5.7	5.7	3.6	-6.5	0.5	-210.7	-994.9	-425.6
1286	ok	0.09	0.2	2.61e-03	5.7	5.7	5.7	5.7	1.1	-6.9	3.6	-190.1	-938.4	-436.4
1287	ok	0.09	0.2	3.48e-03	5.7	5.7	5.7	5.7	-1.4	-5.9	14.1	-119.9	-857.0	-555.4
1288	ok	0.09	0.2	4.14e-03	5.7	5.7	5.7	5.7	-3.8	-7.5	15.7	-61.3	-808.7	-633.1
1289	ok	0.09	0.2	4.73e-03	5.7	5.7	5.7	5.7	-6.4	-9.7	16.5	-4.5	-744.1	-737.5
1290	ok	0.09	0.2	5.28e-03	5.7	5.7	5.7	5.7	-9.2	-12.4	16.6	44.8	-663.7	-859.5
1291	ok	0.09	0.2	5.80e-03	5.7	5.7	5.7	5.7	-12.1	-15.5	16.3	79.4	-567.8	-983.7
1292	ok	0.09	0.2	6.27e-03	5.7	5.7	5.7	5.7	-15.0	-18.9	15.6	85.3	-460.6	-1086.3
1293	ok	0.09	0.2	6.66e-03	5.7	5.7	5.7	5.7	-17.7	-22.1	14.5	29.5	-350.8	-1132.2
1294	ok	0.09	0.2	6.89e-03	5.7	5.7	5.7	5.7	-19.3	-24.8	13.1	-171.1	-212.6	-1102.9
1295	ok	0.09	0.3	4.41e-03	5.7	5.7	5.7	5.7	-3.0	-22.9	0.7	-258.7	-1981.1	-154.5
1296	ok	0.09	0.3	2.96e-03	5.7	5.7	5.7	5.7	-2.3	-10.8	7.8	-426.6	-2026.2	-115.3
1297	ok	0.09	0.3	3.48e-03	5.7	5.7	5.7	5.7	-1.0	-8.8	12.6	-412.0	-2017.4	-113.2
1298	ok	0.09	0.3	4.06e-03	5.7	5.7	5.7	5.7	-1.4	-8.4	15.9	-371.5	-1991.8	-120.2
1299	ok	0.09	0.3	4.67e-03	5.7	5.7	5.7	5.7	-3.1	-8.9	18.1	-326.0	-1950.2	-134.7
1300	ok	0.09	0.3	5.30e-03	5.7	5.7	5.7	5.7	-5.8	-10.3	19.4	-279.1	-1881.2	-154.9
1301	ok	0.09	0.3	5.93e-03	5.7	5.7	5.7	5.7	-9.3	-12.4	19.9	-230.8	-1769.1	-178.4
1302	ok	0.09	0.3	6.53e-03	5.7	5.7	5.7	5.7	-13.3	-15.0	19.8	-182.5	-1596.1	-201.9
1303	ok	0.09	0.2	7.04e-03	5.7	5.7	5.7	5.7	-17.5	-17.9	19.0	-140.8	-1345.3	-220.5
1304	ok	0.09	0.2	7.39e-03	5.7	5.7	5.7	5.7	-21.3	-20.6	17.4	-129.5	-1004.3	-226.2
1305	ok	0.09	0.1	7.42e-03	5.7	5.7	5.7	5.7	-25.3	-24.1	13.9	-306.0	-527.1	-216.4

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**
								-25.28	-49.35	-21.05	-2011.19	-4467.60	-1163.28
	0.09	0.77	9.50e-03	5.65	5.65	5.65	5.65	13.14	82.18	21.05	1253.52	1908.12	1163.28

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
1	ok	1.99						
2	ok	2.03						
3	ok	0.85						
4	ok	0.43						
5	ok	2.26						
6	ok	2.27						
7	ok	1.99						
8	ok	0.91						
9	ok	0.27						
10	ok	0.39						
11	ok	1.92						
12	ok	1.86						
13	ok	1.21						
14	ok	2.26						
15	ok	1.94						
16	ok	0.60						
17	ok	2.20						
18	ok	1.55						
19	ok	0.71						
20	ok	0.94						
21	ok	0.44						
22	ok	1.65						
23	ok	2.11						
24	ok	2.27						
25	ok	0.99						
26	ok	1.03						
27	ok	1.35						
28	ok	1.66						
29	ok	0.26						
30	ok	2.27						
31	ok	2.23						
32	ok	0.43						
33	ok	1.77						
34	ok	0.53						
35	ok	2.00						
36	ok	2.09						
37	ok	2.21						
38	ok	1.59						
39	ok	2.03						
40	ok	1.44						
41	ok	0.79						
42	ok	1.11						
43	ok	2.16						
44	ok	1.33						
45	ok	1.99						
46	ok	1.99						
47	ok	1.83						
48	ok	1.83						
49	ok	1.88						
50	ok	1.88						
51	ok	1.95						
52	ok	1.95						
53	ok	2.01						
54	ok	2.01						
55	ok	2.05						
56	ok	2.05						
57	ok	2.05						
58	ok	2.05						
59	ok	2.03						
60	ok	2.03						
61	ok	1.92						
62	ok	1.92						
63	ok	1.65						
64	ok	1.65						
65	ok	1.13						
66	ok	1.13						
67	ok	1.66						
68	ok	1.37						
69	ok	1.41						
70	ok	1.44						
71	ok	1.44						
72	ok	1.44						
73	ok	1.39						
74	ok	1.29						

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75	ok	1.11
76	ok	0.82
77	ok	1.59
78	ok	1.44
79	ok	1.03
80	ok	1.07
81	ok	1.09
82	ok	1.09
83	ok	1.07
84	ok	1.02
85	ok	0.92
86	ok	0.78
87	ok	1.05
88	ok	1.92
89	ok	1.21
90	ok	0.77
91	ok	0.80
92	ok	0.81
93	ok	0.81
94	ok	0.78
95	ok	0.73
96	ok	0.66
97	ok	0.86
98	ok	1.28
99	ok	2.11
100	ok	0.99
101	ok	0.58
102	ok	0.59
103	ok	0.59
104	ok	0.58
105	ok	0.55
106	ok	0.51
107	ok	0.65
108	ok	0.98
109	ok	1.45
110	ok	2.21
111	ok	0.79
112	ok	0.43
113	ok	0.43
114	ok	0.43
115	ok	0.41
116	ok	0.37
117	ok	0.44
118	ok	0.70
119	ok	1.07
120	ok	1.55
121	ok	2.26
122	ok	0.60
123	ok	0.33
124	ok	0.33
125	ok	0.32
126	ok	0.28
127	ok	0.26
128	ok	0.43
129	ok	0.74
130	ok	1.13
131	ok	1.62
132	ok	2.27
133	ok	0.43
134	ok	0.27
135	ok	0.27
136	ok	0.25
137	ok	0.21
138	ok	0.22
139	ok	0.44
140	ok	0.76
141	ok	1.16
142	ok	1.65
143	ok	2.27
144	ok	0.27
145	ok	0.25
146	ok	0.25
147	ok	0.24
148	ok	0.20
149	ok	0.21
150	ok	0.44
151	ok	0.76
152	ok	1.17

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153	ok	1.66
154	ok	2.27
155	ok	0.26
156	ok	0.26
157	ok	0.26
158	ok	0.25
159	ok	0.21
160	ok	0.21
161	ok	0.44
162	ok	0.76
163	ok	1.17
164	ok	1.66
165	ok	2.26
166	ok	0.39
167	ok	0.30
168	ok	0.30
169	ok	0.28
170	ok	0.23
171	ok	0.21
172	ok	0.43
173	ok	0.75
174	ok	1.15
175	ok	1.64
176	ok	2.23
177	ok	0.53
178	ok	0.36
179	ok	0.36
180	ok	0.34
181	ok	0.29
182	ok	0.24
183	ok	0.42
184	ok	0.72
185	ok	1.12
186	ok	1.60
187	ok	2.20
188	ok	0.71
189	ok	0.45
190	ok	0.44
191	ok	0.44
192	ok	0.40
193	ok	0.34
194	ok	0.40
195	ok	0.68
196	ok	1.06
197	ok	1.53
198	ok	2.16
199	ok	0.91
200	ok	0.57
201	ok	0.56
202	ok	0.56
203	ok	0.53
204	ok	0.48
205	ok	0.42
206	ok	0.62
207	ok	0.98
208	ok	1.44
209	ok	2.09
210	ok	1.11
211	ok	0.72
212	ok	0.73
213	ok	0.73
214	ok	0.71
215	ok	0.65
216	ok	0.57
217	ok	0.56
218	ok	0.87
219	ok	1.31
220	ok	2.00
221	ok	1.33
222	ok	0.93
223	ok	0.94
224	ok	0.94
225	ok	0.93
226	ok	0.88
227	ok	0.79
228	ok	0.67
229	ok	0.75
230	ok	1.14

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231	ok	1.86
232	ok	1.55
233	ok	1.18
234	ok	1.20
235	ok	1.20
236	ok	1.20
237	ok	1.15
238	ok	1.06
239	ok	0.92
240	ok	0.73
241	ok	0.92
242	ok	1.65
243	ok	1.77
244	ok	1.49
245	ok	1.53
246	ok	1.53
247	ok	1.53
248	ok	1.49
249	ok	1.41
250	ok	1.25
251	ok	1.02
252	ok	0.71
253	ok	1.35
254	ok	1.94
255	ok	1.87
256	ok	1.90
257	ok	1.91
258	ok	1.91
259	ok	1.89
260	ok	1.82
261	ok	1.68
262	ok	1.44
263	ok	1.07
264	ok	0.94
265	ok	2.28
266	ok	2.30
267	ok	2.31
268	ok	2.32
269	ok	2.33
270	ok	2.33
271	ok	2.30
272	ok	2.20
273	ok	1.98
274	ok	1.61
275	ok	1.03
276	ok	2.28
277	ok	2.30
278	ok	2.31
279	ok	2.32
280	ok	2.33
281	ok	2.33
282	ok	2.30
283	ok	2.20
284	ok	1.98
285	ok	1.61
286	ok	1.03
1033	ok	1.99
1034	ok	0.85
1035	ok	2.23
1036	ok	2.16
1037	ok	2.03
1038	ok	0.60
1039	ok	0.53
1040	ok	0.26
1041	ok	1.35
1042	ok	2.21
1043	ok	1.55
1044	ok	2.00
1045	ok	1.66
1046	ok	0.91
1047	ok	2.27
1048	ok	1.21
1049	ok	0.43
1050	ok	1.59
1051	ok	1.03
1052	ok	2.11
1053	ok	1.65
1054	ok	2.20

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1055	ok	1.33
1056	ok	0.44
1057	ok	1.92
1058	ok	1.94
1059	ok	0.39
1060	ok	2.09
1061	ok	2.26
1062	ok	0.71
1063	ok	1.44
1064	ok	0.27
1065	ok	2.26
1066	ok	2.27
1067	ok	1.86
1068	ok	0.94
1069	ok	1.99
1070	ok	1.77
1071	ok	1.11
1072	ok	0.79
1073	ok	2.27
1074	ok	0.99
1075	ok	2.28
1076	ok	2.30
1077	ok	2.31
1078	ok	2.32
1079	ok	2.33
1080	ok	2.33
1081	ok	2.30
1082	ok	2.20
1083	ok	1.98
1084	ok	1.61
1085	ok	1.03
1086	ok	1.94
1087	ok	1.87
1088	ok	1.90
1089	ok	1.91
1090	ok	1.91
1091	ok	1.89
1092	ok	1.82
1093	ok	1.68
1094	ok	1.44
1095	ok	1.07
1096	ok	0.94
1097	ok	1.77
1098	ok	1.49
1099	ok	1.53
1100	ok	1.53
1101	ok	1.53
1102	ok	1.49
1103	ok	1.41
1104	ok	1.25
1105	ok	1.02
1106	ok	0.71
1107	ok	1.35
1108	ok	1.55
1109	ok	1.18
1110	ok	1.20
1111	ok	1.20
1112	ok	1.20
1113	ok	1.15
1114	ok	1.06
1115	ok	0.92
1116	ok	0.73
1117	ok	0.92
1118	ok	1.65
1119	ok	1.33
1120	ok	0.93
1121	ok	0.94
1122	ok	0.94
1123	ok	0.93
1124	ok	0.88
1125	ok	0.79
1126	ok	0.67
1127	ok	0.75
1128	ok	1.14
1129	ok	1.86
1130	ok	1.11
1131	ok	0.72
1132	ok	0.73

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1133	ok	0.73
1134	ok	0.71
1135	ok	0.65
1136	ok	0.57
1137	ok	0.56
1138	ok	0.87
1139	ok	1.31
1140	ok	2.00
1141	ok	0.91
1142	ok	0.57
1143	ok	0.56
1144	ok	0.56
1145	ok	0.53
1146	ok	0.48
1147	ok	0.42
1148	ok	0.62
1149	ok	0.98
1150	ok	1.44
1151	ok	2.09
1152	ok	0.71
1153	ok	0.45
1154	ok	0.44
1155	ok	0.44
1156	ok	0.40
1157	ok	0.34
1158	ok	0.40
1159	ok	0.68
1160	ok	1.06
1161	ok	1.53
1162	ok	2.16
1163	ok	0.53
1164	ok	0.36
1165	ok	0.36
1166	ok	0.34
1167	ok	0.29
1168	ok	0.24
1169	ok	0.42
1170	ok	0.72
1171	ok	1.12
1172	ok	1.60
1173	ok	2.20
1174	ok	0.39
1175	ok	0.30
1176	ok	0.30
1177	ok	0.28
1178	ok	0.23
1179	ok	0.21
1180	ok	0.43
1181	ok	0.75
1182	ok	1.15
1183	ok	1.64
1184	ok	2.23
1185	ok	0.26
1186	ok	0.26
1187	ok	0.26
1188	ok	0.25
1189	ok	0.21
1190	ok	0.21
1191	ok	0.44
1192	ok	0.76
1193	ok	1.17
1194	ok	1.66
1195	ok	2.26
1196	ok	0.27
1197	ok	0.25
1198	ok	0.25
1199	ok	0.24
1200	ok	0.20
1201	ok	0.21
1202	ok	0.44
1203	ok	0.76
1204	ok	1.17
1205	ok	1.66
1206	ok	2.27
1207	ok	0.43
1208	ok	0.27
1209	ok	0.27
1210	ok	0.25

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1211	ok	0.21
1212	ok	0.22
1213	ok	0.44
1214	ok	0.76
1215	ok	1.16
1216	ok	1.65
1217	ok	2.27
1218	ok	0.60
1219	ok	0.33
1220	ok	0.33
1221	ok	0.32
1222	ok	0.28
1223	ok	0.26
1224	ok	0.43
1225	ok	0.74
1226	ok	1.13
1227	ok	1.62
1228	ok	2.27
1229	ok	0.79
1230	ok	0.43
1231	ok	0.43
1232	ok	0.43
1233	ok	0.41
1234	ok	0.37
1235	ok	0.44
1236	ok	0.70
1237	ok	1.07
1238	ok	1.55
1239	ok	2.26
1240	ok	0.99
1241	ok	0.58
1242	ok	0.59
1243	ok	0.59
1244	ok	0.58
1245	ok	0.55
1246	ok	0.51
1247	ok	0.65
1248	ok	0.98
1249	ok	1.45
1250	ok	2.21
1251	ok	1.21
1252	ok	0.77
1253	ok	0.80
1254	ok	0.81
1255	ok	0.81
1256	ok	0.78
1257	ok	0.73
1258	ok	0.66
1259	ok	0.86
1260	ok	1.28
1261	ok	2.11
1262	ok	1.44
1263	ok	1.03
1264	ok	1.07
1265	ok	1.09
1266	ok	1.09
1267	ok	1.07
1268	ok	1.02
1269	ok	0.92
1270	ok	0.78
1271	ok	1.05
1272	ok	1.92
1273	ok	1.66
1274	ok	1.37
1275	ok	1.41
1276	ok	1.44
1277	ok	1.44
1278	ok	1.44
1279	ok	1.39
1280	ok	1.29
1281	ok	1.11
1282	ok	0.82
1283	ok	1.59
1284	ok	1.99
1285	ok	1.83
1286	ok	1.88
1287	ok	1.95
1288	ok	2.01

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1289	ok	2.05
1290	ok	2.05
1291	ok	2.03
1292	ok	1.92
1293	ok	1.65
1294	ok	1.13
1295	ok	1.99
1296	ok	1.83
1297	ok	1.88
1298	ok	1.95
1299	ok	2.01
1300	ok	2.05
1301	ok	2.05
1302	ok	2.03
1303	ok	1.92
1304	ok	1.65
1305	ok	1.13

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	2.33						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
5	20.00	6	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
287	ok	0.12	0.7	0.0	6.2	6.2	6.2	6.2	9.2	95.5	23.9	28.4	2588.0	-11.1
288	ok	0.12	0.9	1.56e-02	6.2	6.2	6.2	6.2	-5.2	-56.5	-5.8	48.5	3911.1	51.3
289	ok	0.12	1.35e-02	6.51e-03	6.2	6.2	6.2	6.2	-11.2	-16.5	-9.6	31.3	-16.4	-4.7
290	ok	0.12	3.81e-02	1.62e-03	6.2	6.2	6.2	6.2	-5.0	82.1	9.2	-83.5	136.4	0.7
421	ok	0.12	0.9	1.01e-02	6.2	6.2	6.2	6.2	-6.6	-34.3	1.4	641.9	3991.4	-1.3
422	ok	0.12	0.8	7.73e-03	6.2	6.2	6.2	6.2	2.6	-28.0	-0.9	734.6	3656.4	-13.2
423	ok	0.12	0.8	5.77e-03	6.2	6.2	6.2	6.2	6.3	-20.7	-3.4	674.6	3287.7	-8.9
424	ok	0.12	0.7	4.10e-03	6.2	6.2	6.2	6.2	7.5	-13.5	-5.8	598.0	2936.9	-7.6
425	ok	0.12	0.6	2.72e-03	6.2	6.2	6.2	6.2	7.9	-6.6	-7.8	522.8	2591.4	-6.8
426	ok	0.12	0.5	1.86e-03	6.2	6.2	6.2	6.2	7.6	0.4	-9.4	446.6	2236.2	-7.1
427	ok	0.12	0.4	1.37e-03	6.2	6.2	6.2	6.2	6.9	7.5	-10.7	368.4	1862.4	-8.0
428	ok	0.12	0.4	1.07e-03	6.2	6.2	6.2	6.2	5.8	15.2	-11.8	288.3	1470.1	-7.6
429	ok	0.12	0.3	8.70e-04	6.2	6.2	6.2	6.2	4.3	23.7	-12.5	208.1	1067.4	-8.3
430	ok	0.12	0.2	8.69e-04	6.2	6.2	6.2	6.2	2.2	33.9	-12.9	131.6	677.3	-7.8
431	ok	0.12	8.84e-02	1.07e-03	6.2	6.2	6.2	6.2	-0.3	43.6	-13.0	80.9	322.2	-5.0
562	ok	0.12	0.6	9.23e-03	6.2	6.2	6.2	6.2	-8.3	-33.3	3.4	440.5	2618.6	-121.5
563	ok	0.12	0.6	4.24e-03	6.2	6.2	6.2	6.2	-5.8	-15.5	-0.3	489.2	2394.7	-108.0
564	ok	0.12	0.5	3.19e-03	6.2	6.2	6.2	6.2	-3.8	-10.9	-2.4	439.8	2164.9	-102.1
565	ok	0.12	0.5	2.82e-03	6.2	6.2	6.2	6.2	-3.7	-8.4	-3.5	386.6	1940.9	-102.1
566	ok	0.12	0.4	2.85e-03	6.2	6.2	6.2	6.2	-4.7	-7.1	-4.3	335.4	1715.1	-105.6
567	ok	0.12	0.4	3.20e-03	6.2	6.2	6.2	6.2	-6.7	-6.7	-5.0	284.4	1478.9	-110.5
568	ok	0.12	0.3	3.80e-03	6.2	6.2	6.2	6.2	-9.2	-7.1	-5.7	232.5	1226.7	-115.0
569	ok	0.12	0.2	4.56e-03	6.2	6.2	6.2	6.2	-11.9	-8.1	-6.4	179.9	957.0	-116.7
570	ok	0.12	0.2	5.42e-03	6.2	6.2	6.2	6.2	-14.7	-9.7	-7.3	127.8	673.2	-113.5
571	ok	0.12	0.1	6.27e-03	6.2	6.2	6.2	6.2	-16.8	-11.8	-8.1	81.1	388.2	-101.4
572	ok	0.12	4.44e-02	6.96e-03	6.2	6.2	6.2	6.2	-18.4	-15.5	-8.4	66.6	115.9	-76.3
773	ok	0.12	5.92e-02	7.85e-03	6.2	6.2	6.2	6.2	-15.4	-18.1	-11.9	195.0	71.6	-64.4
774	ok	0.12	0.1	6.92e-03	6.2	6.2	6.2	6.2	-12.5	-12.5	-12.6	503.9	98.6	-85.3
775	ok	0.12	0.2	5.81e-03	6.2	6.2	6.2	6.2	-10.4	-7.0	-12.4	802.6	150.7	-94.2
776	ok	0.12	0.3	4.75e-03	6.2	6.2	6.2	6.2	-8.6	-1.6	-11.8	1088.3	202.4	-93.5
777	ok	0.12	0.3	3.81e-03	6.2	6.2	6.2	6.2	-7.3	3.5	-10.8	1346.4	250.3	-85.8
778	ok	0.12	0.4	3.04e-03	6.2	6.2	6.2	6.2	-6.3	8.2	-9.7	1567.4	292.1	-73.1
779	ok	0.12	0.4	2.44e-03	6.2	6.2	6.2	6.2	-5.6	12.3	-8.4	1744.6	326.0	-57.0
780	ok	0.12	0.4	2.00e-03	6.2	6.2	6.2	6.2	-5.1	15.9	-7.1	1873.2	351.0	-38.6
781	ok	0.12	0.5	1.69e-03	6.2	6.2	6.2	6.2	-4.8	19.1	-5.8	1950.2	366.2	-19.0
782	ok	0.12	0.5	1.49e-03	6.2	6.2	6.2	6.2	-4.7	21.9	-4.6	1974.2	371.3	1.6
783	ok	0.12	0.5	1.37e-03	6.2	6.2	6.2	6.2	-4.6	24.3	-3.6	1943.9	366.1	21.9
784	ok	0.12	0.4	1.30e-03	6.2	6.2	6.2	6.2	-4.5	26.6	-2.7	1860.1	350.8	41.3
785	ok	0.12	0.4	1.26e-03	6.2	6.2	6.2	6.2	-4.5	28.7	-2.0	1723.8	325.8	59.5
786	ok	0.12	0.4	1.25e-03	6.2	6.2	6.2	6.2	-4.5	30.7	-1.5	1538.1	291.8	75.5
787	ok	0.12	0.3	1.26e-03	6.2	6.2	6.2	6.2	-4.6	33.0	-1.2	1307.9	250.4	88.5
788	ok	0.12	0.2	1.28e-03	6.2	6.2	6.2	6.2	-4.7	35.6	-1.0	1040.9	203.6	97.4
789	ok	0.12	0.2	1.33e-03	6.2	6.2	6.2	6.2	-4.9	38.8	-1.0	749.2	154.7	100.8
790	ok	0.12	0.1	1.41e-03	6.2	6.2	6.2	6.2	-5.1	43.3	-0.8	451.3	109.1	96.7
791	ok	0.12	5.37e-02	1.51e-03	6.2	6.2	6.2	6.2	-5.4	49.8	-0.3	176.8	76.2	82.4
792	ok	0.12	2.53e-02	1.85e-03	6.2	6.2	6.2	6.2	-6.8	59.1	-8.39e-02	-29.7	71.5	52.7
793	ok	0.12	0.4	2.24e-03	6.2	6.2	6.2	6.2	16.3	9.2	19.0	198.6	1535.5	-466.3
794	ok	0.12	0.4	5.33e-04	6.2	6.2	6.2	6.2	0.2	40.1	4.0	1.3	1600.3	-160.2
795	ok	0.12	0.4	2.88e-03	6.2	6.2	6.2	6.2	4.8	-9.0	2.1	297.1	1448.5	-426.5

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796	ok	0.12	0.4	2.60e-03	6.2	6.2	6.2	6.2	0.3	-9.2	-1.3	273.1	1336.9	-426.8
797	ok	0.12	0.3	2.32e-03	6.2	6.2	6.2	6.2	-2.2	-7.6	-2.2	230.5	1197.9	-436.4
798	ok	0.12	0.3	2.26e-03	6.2	6.2	6.2	6.2	-4.2	-6.6	-2.6	189.7	1047.2	-453.9
799	ok	0.12	0.3	2.49e-03	6.2	6.2	6.2	6.2	-6.2	-6.2	-2.9	152.7	888.4	-476.1
800	ok	0.12	0.2	2.96e-03	6.2	6.2	6.2	6.2	-8.3	-6.5	-3.3	121.2	724.2	-496.7
801	ok	0.12	0.2	3.59e-03	6.2	6.2	6.2	6.2	-10.3	-7.3	-4.1	97.5	557.9	-507.2
802	ok	0.12	0.2	4.33e-03	6.2	6.2	6.2	6.2	-12.1	-8.6	-5.2	85.7	396.4	-496.3
803	ok	0.12	0.1	5.19e-03	6.2	6.2	6.2	6.2	-13.5	-10.2	-6.8	93.9	250.7	-449.2
804	ok	0.12	0.1	6.22e-03	6.2	6.2	6.2	6.2	-13.4	-11.7	-9.9	147.6	125.2	-359.9
805	ok	0.12	0.3	1.26e-03	6.2	6.2	6.2	6.2	2.4	7.9	8.1	80.7	773.5	-542.2
806	ok	0.12	0.2	1.79e-04	6.2	6.2	6.2	6.2	-0.5	18.9	0.6	4.0	799.7	-219.9
807	ok	0.12	0.2	1.97e-03	6.2	6.2	6.2	6.2	4.3	-3.8	5.6	133.7	710.0	-448.5
808	ok	0.12	0.2	2.03e-03	6.2	6.2	6.2	6.2	2.5	-7.0	2.1	121.3	649.5	-462.3
809	ok	0.12	0.2	1.90e-03	6.2	6.2	6.2	6.2	-0.4	-6.9	0.3	86.6	581.2	-482.6
810	ok	0.12	0.2	1.73e-03	6.2	6.2	6.2	6.2	-2.9	-6.3	-0.4	53.0	502.5	-507.0
811	ok	0.12	0.2	1.75e-03	6.2	6.2	6.2	6.2	-5.0	-5.8	-0.9	29.5	418.2	-533.9
812	ok	0.12	0.2	2.15e-03	6.2	6.2	6.2	6.2	-6.8	-5.9	-1.4	22.1	333.9	-556.1
813	ok	0.12	0.2	2.73e-03	6.2	6.2	6.2	6.2	-8.5	-6.3	-2.3	36.6	254.7	-564.3
814	ok	0.12	0.2	3.42e-03	6.2	6.2	6.2	6.2	-10.0	-7.0	-3.7	79.6	185.0	-549.6
815	ok	0.12	0.2	4.27e-03	6.2	6.2	6.2	6.2	-11.2	-8.1	-5.8	162.7	130.0	-499.3
816	ok	0.12	0.2	5.36e-03	6.2	6.2	6.2	6.2	-12.1	-9.6	-8.5	307.7	90.1	-421.1
817	ok	0.12	0.2	1.15e-03	6.2	6.2	6.2	6.2	1.0	5.4	5.1	13.0	139.8	-584.7
818	ok	0.12	7.63e-02	1.15e-04	6.2	6.2	6.2	6.2	-0.2	10.5	0.2	8.5	147.2	-230.2
819	ok	0.12	0.1	1.84e-03	6.2	6.2	6.2	6.2	2.4	-1.3	5.7	10.4	121.8	-479.0
820	ok	0.12	0.1	2.03e-03	6.2	6.2	6.2	6.2	1.8	-4.7	4.0	-14.0	104.1	-488.5
821	ok	0.12	0.1	1.93e-03	6.2	6.2	6.2	6.2	0.1	-5.6	2.7	-45.1	84.9	-513.4
822	ok	0.12	0.1	1.79e-03	6.2	6.2	6.2	6.2	-1.8	-5.6	1.7	-69.4	64.1	-542.9
823	ok	0.12	0.1	1.70e-03	6.2	6.2	6.2	6.2	-3.7	-5.3	1.0	-76.8	44.3	-571.9
824	ok	0.12	0.1	1.61e-03	6.2	6.2	6.2	6.2	-5.3	-5.1	0.2	-59.2	29.3	-594.1
825	ok	0.12	0.1	1.96e-03	6.2	6.2	6.2	6.2	-6.8	-5.1	-0.9	-8.4	21.9	-602.1
826	ok	0.12	0.2	2.59e-03	6.2	6.2	6.2	6.2	-8.0	-5.3	-2.5	88.9	29.4	-581.7
827	ok	0.12	0.2	3.39e-03	6.2	6.2	6.2	6.2	-9.1	-5.6	-4.7	242.4	50.6	-526.8
828	ok	0.12	0.2	4.41e-03	6.2	6.2	6.2	6.2	-9.9	-6.3	-7.8	474.0	87.7	-449.4
829	ok	0.12	0.2	1.30e-03	6.2	6.2	6.2	6.2	0.4	2.6	3.7	-33.6	-367.1	-576.7
830	ok	0.12	0.1	5.02e-04	6.2	6.2	6.2	6.2	-8.39e-02	5.4	0.1	11.7	-374.9	-222.9
831	ok	0.12	0.2	1.87e-03	6.2	6.2	6.2	6.2	1.2	-1.0	5.2	-83.6	-348.3	-474.6
832	ok	0.12	0.2	2.08e-03	6.2	6.2	6.2	6.2	1.1	-3.6	5.0	-124.6	-330.8	-482.3
833	ok	0.12	0.2	2.06e-03	6.2	6.2	6.2	6.2	0.2	-4.7	4.2	-157.7	-309.3	-507.2
834	ok	0.12	0.2	1.87e-03	6.2	6.2	6.2	6.2	-1.2	-4.8	3.4	-174.8	-283.0	-537.4
835	ok	0.12	0.2	1.73e-03	6.2	6.2	6.2	6.2	-2.7	-4.5	2.6	-166.9	-250.1	-566.1
836	ok	0.12	0.2	1.55e-03	6.2	6.2	6.2	6.2	-4.0	-4.1	1.6	-124.7	-207.9	-586.8
837	ok	0.12	0.2	1.45e-03	6.2	6.2	6.2	6.2	-5.2	-3.7	0.3	-37.6	-153.9	-591.6
838	ok	0.12	0.1	1.88e-03	6.2	6.2	6.2	6.2	-6.3	-3.3	-1.4	109.3	-85.8	-569.9
839	ok	0.12	0.2	2.58e-03	6.2	6.2	6.2	6.2	-7.2	-3.0	-3.8	327.9	-2.6	-514.7
840	ok	0.12	0.2	3.51e-03	6.2	6.2	6.2	6.2	-7.9	-2.5	-7.1	642.7	96.3	-438.7
841	ok	0.12	0.3	1.61e-03	6.2	6.2	6.2	6.2	0.2	0.1	3.1	-68.3	-766.0	-530.5
842	ok	0.12	0.2	1.32e-03	6.2	6.2	6.2	6.2	-3.50e-02	1.6	7.59e-02	14.1	-785.6	-202.8
843	ok	0.12	0.2	1.98e-03	6.2	6.2	6.2	6.2	0.5	-1.8	4.9	-155.4	-716.4	-439.4
844	ok	0.12	0.2	2.14e-03	6.2	6.2	6.2	6.2	0.5	-3.4	5.4	-214.2	-668.9	-445.7
845	ok	0.12	0.2	2.09e-03	6.2	6.2	6.2	6.2	1.67e-02	-4.1	5.2	-251.7	-614.2	-468.3
846	ok	0.12	0.2	2.01e-03	6.2	6.2	6.2	6.2	-0.9	-4.0	4.6	-263.2	-550.0	-496.0
847	ok	0.12	0.2	1.83e-03	6.2	6.2	6.2	6.2	-1.9	-3.6	3.8	-241.1	-474.8	-522.0
848	ok	0.12	0.2	1.56e-03	6.2	6.2	6.2	6.2	-3.0	-2.9	2.8	-175.8	-386.8	-539.9
849	ok	0.12	0.2	1.28e-03	6.2	6.2	6.2	6.2	-4.0	-2.1	1.4	-55.3	-284.6	-542.5
850	ok	0.12	0.1	1.35e-03	6.2	6.2	6.2	6.2	-4.8	-1.2	-0.6	136.9	-167.6	-520.7
851	ok	0.12	0.2	1.91e-03	6.2	6.2	6.2	6.2	-5.6	-0.1	-3.1	414.1	-35.8	-468.5
852	ok	0.12	0.2	2.73e-03	6.2	6.2	6.2	6.2	-6.3	1.3	-6.4	802.0	110.2	-399.2
853	ok	0.12	0.3	2.00e-03	6.2	6.2	6.2	6.2	7.84e-02	-2.3	2.8	-94.4	-1072.2	-454.9
854	ok	0.12	0.3	2.01e-03	6.2	6.2	6.2	6.2	-1.44e-02	-1.7	6.19e-02	16.0	-1100.7	-173.0
855	ok	0.12	0.3	2.15e-03	6.2	6.2	6.2	6.2	0.2	-3.1	4.7	-210.6	-998.3	-378.9
856	ok	0.12	0.3	2.20e-03	6.2	6.2	6.2	6.2	0.2	-3.7	5.6	-284.7	-926.7	-384.2
857	ok	0.12	0.3	2.20e-03	6.2	6.2	6.2	6.2	-0.1	-3.8	5.8	-326.8	-845.1	-403.1
858	ok	0.12	0.2	2.11e-03	6.2	6.2	6.2	6.2	-0.7	-3.4	5.5	-334.1	-751.1	-426.5
859	ok	0.12	0.2	1.87e-03	6.2	6.2	6.2	6.2	-1.5	-2.7	4.7	-299.9	-642.8	-448.3
860	ok	0.12	0.2	1.54e-03	6.2	6.2	6.2	6.2	-2.3	-1.7	3.7	-214.4	-519.1	-462.8
861	ok	0.12	0.2	1.16e-03	6.2	6.2	6.2	6.2	-3.0	-0.4	2.2	-64.9	-379.5	-463.8
862	ok	0.12	0.1	1.03e-03	6.2	6.2	6.2	6.2	-3.8	1.0	0.2	166.3	-224.8	-443.8
863	ok	0.12	0.2	1.41e-03	6.2	6.2	6.2	6.2	-4.5	2.8	-2.4	495.8	-56.5	-395.7
864	ok	0.12	0.3	2.11e-03	6.2	6.2	6.2	6.2	-5.2	5.0	-5.6	942.9	125.9	-338.9
865	ok	0.12	0.3	2.40e-03	6.2	6.2	6.2	6.2	3.14e-02	-4.6	2.7	-113.6	-1297.6	-357.2
866	ok	0.12	0.3	2.63e-03	6.2	6.2	6.2	6.2	-5.29e-03	-4.7	5.59e-02	17.4	-1332.7	-136.1
867	ok	0.12	0.3	2.35e-03	6.2	6.2	6.2	6.2	8.34e-02	-4.5	4.6	-251.5	-1205.5	-298.4
868	ok	0.12	0.3	2.29e-03	6.2	6.2	6.2	6.2	4.10e-02	-4.3	5.7	-337.7	-1115.3	-302.7
869	ok	0.12	0.3	2.31e-03	6.2	6.2	6.2	6.2	-0.2	-3.8	6.2	-383.9	-1013.3	-317.3
870	ok	0.12	0.3	2.17e-03	6.2	6.2	6.2	6.2	-0.6	-3.0	6.0	-388.1	-896.6	-335.4
871	ok	0.12	0.2	1.89e-03	6.2	6.2	6.2	6.2	-1.1	-1.8	5.4	-344.1	-763.5	-352.2
872	ok	0.12	0.2	1.50e-03	6.2	6.2	6.2	6.2	-1.7	-0.4	4.4	-242.2	-613.2	-363.0
873	ok	0.12	0.2	1.07e-03	6.2	6.2	6.2	6.2	-2.4	1.3	2.9	-69.1	-446.0	-363.1

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874	ok	0.12	0.1	8.54e-04	6.2	6.2	6.2	6.2	-3.0	3.2	0.9	193.4	-263.5	-346.6
875	ok	0.12	0.2	1.09e-03	6.2	6.2	6.2	6.2	-3.7	5.6	-1.7	562.8	-68.1	-308.3
876	ok	0.12	0.3	1.65e-03	6.2	6.2	6.2	6.2	-4.5	8.5	-4.8	1058.3	140.5	-263.8
877	ok	0.12	0.4	2.81e-03	6.2	6.2	6.2	6.2	8.40e-03	-6.9	2.7	-126.9	-1451.3	-243.4
878	ok	0.12	0.4	3.22e-03	6.2	6.2	6.2	6.2	-8.65e-04	-7.7	5.28e-02	18.4	-1491.0	-94.1
879	ok	0.12	0.3	2.58e-03	6.2	6.2	6.2	6.2	6.78e-03	-6.1	4.6	-279.9	-1346.5	-203.4
880	ok	0.12	0.3	2.46e-03	6.2	6.2	6.2	6.2	-6.12e-02	-5.2	5.9	-374.6	-1243.3	-206.5
881	ok	0.12	0.3	2.42e-03	6.2	6.2	6.2	6.2	-0.3	-4.0	6.5	-423.8	-1126.9	-216.4
882	ok	0.12	0.3	2.23e-03	6.2	6.2	6.2	6.2	-0.6	-2.7	6.5	-425.8	-994.4	-228.7
883	ok	0.12	0.2	1.89e-03	6.2	6.2	6.2	6.2	-1.0	-1.0	5.9	-374.7	-844.1	-240.0
884	ok	0.12	0.2	1.46e-03	6.2	6.2	6.2	6.2	-1.5	0.8	4.9	-260.7	-675.6	-247.1
885	ok	0.12	0.1	1.08e-03	6.2	6.2	6.2	6.2	-2.0	3.0	3.4	-70.5	-489.4	-246.9
886	ok	0.12	9.12e-02	8.23e-04	6.2	6.2	6.2	6.2	-2.6	5.4	1.5	214.9	-287.9	-235.4
887	ok	0.12	0.2	8.98e-04	6.2	6.2	6.2	6.2	-3.2	8.3	-0.9	613.1	-74.1	-209.1
888	ok	0.12	0.3	1.34e-03	6.2	6.2	6.2	6.2	-4.0	11.7	-3.8	1143.4	152.2	-178.9
889	ok	0.12	0.4	3.21e-03	6.2	6.2	6.2	6.2	-5.18e-03	-9.1	2.7	-134.6	-1539.8	-119.2
890	ok	0.12	0.4	3.77e-03	6.2	6.2	6.2	6.2	1.69e-03	-10.6	5.09e-02	18.9	-1582.0	-48.8
891	ok	0.12	0.3	2.82e-03	6.2	6.2	6.2	6.2	-4.10e-02	-7.7	4.7	-296.4	-1427.4	-98.8
892	ok	0.12	0.3	2.68e-03	6.2	6.2	6.2	6.2	-0.1	-6.1	6.0	-396.1	-1316.6	-100.5
893	ok	0.12	0.3	2.55e-03	6.2	6.2	6.2	6.2	-0.3	-4.4	6.7	-447.2	-1191.8	-105.6
894	ok	0.12	0.3	2.28e-03	6.2	6.2	6.2	6.2	-0.6	-2.4	6.8	-448.0	-1050.1	-111.8
895	ok	0.12	0.2	1.90e-03	6.2	6.2	6.2	6.2	-0.9	-0.3	6.3	-392.6	-889.8	-117.4
896	ok	0.12	0.2	1.44e-03	6.2	6.2	6.2	6.2	-1.3	2.1	5.4	-271.4	-710.6	-121.1
897	ok	0.12	0.1	1.10e-03	6.2	6.2	6.2	6.2	-1.8	4.7	3.9	-70.8	-513.5	-121.0
898	ok	0.12	7.82e-02	8.33e-04	6.2	6.2	6.2	6.2	-2.3	7.6	2.1	228.3	-301.1	-115.4
899	ok	0.12	0.2	8.14e-04	6.2	6.2	6.2	6.2	-3.0	10.8	-0.2	643.8	-76.6	-102.4
900	ok	0.12	0.3	1.15e-03	6.2	6.2	6.2	6.2	-3.8	14.6	-2.9	1194.8	159.8	-88.0
901	ok	0.12	0.4	3.59e-03	6.2	6.2	6.2	6.2	-1.63e-02	-11.5	2.7	-137.0	-1566.7	14.8
902	ok	0.12	0.4	4.28e-03	6.2	6.2	6.2	6.2	3.06e-03	-13.5	4.95e-02	19.1	-1609.7	10.7
903	ok	0.12	0.3	3.10e-03	6.2	6.2	6.2	6.2	-7.85e-02	-9.4	4.7	-302.0	-1451.7	10.5
904	ok	0.12	0.3	2.93e-03	6.2	6.2	6.2	6.2	-0.2	-7.1	6.1	-403.0	-1338.7	10.4
905	ok	0.12	0.3	2.69e-03	6.2	6.2	6.2	6.2	-0.4	-4.8	6.9	-454.6	-1211.4	10.4
906	ok	0.12	0.3	2.35e-03	6.2	6.2	6.2	6.2	-0.6	-2.3	7.1	-455.0	-1066.8	10.4
907	ok	0.12	0.2	1.92e-03	6.2	6.2	6.2	6.2	-1.0	0.4	6.7	-398.3	-903.5	10.3
908	ok	0.12	0.2	1.45e-03	6.2	6.2	6.2	6.2	-1.3	3.2	5.8	-274.8	-721.0	10.2
909	ok	0.12	0.1	1.13e-03	6.2	6.2	6.2	6.2	-1.8	6.3	4.4	-71.0	-520.5	9.9
910	ok	0.12	7.35e-02	8.72e-04	6.2	6.2	6.2	6.2	-2.3	9.6	2.6	232.3	-304.7	9.1
911	ok	0.12	0.2	8.01e-04	6.2	6.2	6.2	6.2	-2.9	13.2	0.4	653.1	-77.0	7.9
912	ok	0.12	0.3	1.06e-03	6.2	6.2	6.2	6.2	-3.7	17.3	-2.0	1219.0	155.9	6.2
913	ok	0.12	0.4	3.96e-03	6.2	6.2	6.2	6.2	-2.64e-02	-13.8	2.8	-134.2	-1533.0	143.8
914	ok	0.12	0.4	4.77e-03	6.2	6.2	6.2	6.2	4.87e-03	-16.4	4.92e-02	18.9	-1575.1	57.6
915	ok	0.12	0.3	3.53e-03	6.2	6.2	6.2	6.2	-0.1	-11.1	4.8	-295.7	-1421.1	119.5
916	ok	0.12	0.3	3.20e-03	6.2	6.2	6.2	6.2	-0.3	-8.2	6.3	-395.2	-1310.9	120.8
917	ok	0.12	0.3	2.84e-03	6.2	6.2	6.2	6.2	-0.5	-5.3	7.1	-446.2	-1186.7	125.7
918	ok	0.12	0.3	2.42e-03	6.2	6.2	6.2	6.2	-0.7	-2.2	7.4	-447.1	-1045.7	131.8
919	ok	0.12	0.2	1.95e-03	6.2	6.2	6.2	6.2	-1.1	1.0	7.0	-392.0	-886.2	137.5
920	ok	0.12	0.2	1.51e-03	6.2	6.2	6.2	6.2	-1.4	4.3	6.2	-271.3	-707.8	140.9
921	ok	0.12	0.1	1.19e-03	6.2	6.2	6.2	6.2	-1.9	7.8	4.9	-71.5	-511.4	140.2
922	ok	0.12	7.99e-02	9.30e-04	6.2	6.2	6.2	6.2	-2.4	11.5	3.2	226.4	-299.6	133.2
923	ok	0.12	0.2	8.34e-04	6.2	6.2	6.2	6.2	-3.0	15.5	1.1	640.5	-75.8	117.9
924	ok	0.12	0.3	1.03e-03	6.2	6.2	6.2	6.2	-3.7	19.7	-1.2	1189.9	160.1	101.0
925	ok	0.12	0.4	4.56e-03	6.2	6.2	6.2	6.2	-3.67e-02	-16.2	2.8	-126.1	-1437.4	267.3
926	ok	0.12	0.3	5.31e-03	6.2	6.2	6.2	6.2	6.65e-03	-19.4	5.02e-02	18.3	-1476.8	102.7
927	ok	0.12	0.3	3.98e-03	6.2	6.2	6.2	6.2	-0.2	-12.9	5.0	-278.4	-1333.6	223.4
928	ok	0.12	0.3	3.49e-03	6.2	6.2	6.2	6.2	-0.3	-9.4	6.5	-372.7	-1231.5	225.9
929	ok	0.12	0.3	3.01e-03	6.2	6.2	6.2	6.2	-0.6	-5.8	7.4	-421.8	-1116.4	235.7
930	ok	0.12	0.3	2.51e-03	6.2	6.2	6.2	6.2	-0.8	-2.2	7.7	-424.0	-985.4	247.8
931	ok	0.12	0.2	2.00e-03	6.2	6.2	6.2	6.2	-1.2	1.5	7.4	-373.5	-836.7	259.1
932	ok	0.12	0.2	1.59e-03	6.2	6.2	6.2	6.2	-1.6	5.4	6.6	-260.5	-669.7	266.1
933	ok	0.12	0.1	1.26e-03	6.2	6.2	6.2	6.2	-2.0	9.3	5.4	-71.9	-485.1	265.4
934	ok	0.12	9.42e-02	9.99e-04	6.2	6.2	6.2	6.2	-2.5	13.4	3.7	211.3	-285.0	252.8
935	ok	0.12	0.2	8.94e-04	6.2	6.2	6.2	6.2	-3.1	17.6	1.7	606.6	-72.4	224.3
936	ok	0.12	0.3	1.04e-03	6.2	6.2	6.2	6.2	-3.8	22.0	-0.5	1133.5	152.9	191.7
937	ok	0.12	0.3	5.23e-03	6.2	6.2	6.2	6.2	-4.65e-02	-18.7	2.9	-112.6	-1276.0	380.1
938	ok	0.12	0.3	6.16e-03	6.2	6.2	6.2	6.2	8.26e-03	-22.5	5.27e-02	17.3	-1310.7	144.4
939	ok	0.12	0.3	4.46e-03	6.2	6.2	6.2	6.2	-0.2	-14.7	5.1	-249.5	-1185.3	317.3
940	ok	0.12	0.3	3.80e-03	6.2	6.2	6.2	6.2	-0.4	-10.6	6.7	-335.0	-1096.9	320.8
941	ok	0.12	0.3	3.19e-03	6.2	6.2	6.2	6.2	-0.6	-6.4	7.6	-381.0	-996.9	335.1
942	ok	0.12	0.3	2.61e-03	6.2	6.2	6.2	6.2	-0.9	-2.2	8.0	-385.3	-882.6	353.0
943	ok	0.12	0.2	2.06e-03	6.2	6.2	6.2	6.2	-1.3	2.0	7.8	-342.1	-751.9	369.8
944	ok	0.12	0.2	1.66e-03	6.2	6.2	6.2	6.2	-1.7	6.4	7.0	-241.5	-604.2	380.5
945	ok	0.12	0.2	1.33e-03	6.2	6.2	6.2	6.2	-2.2	10.7	5.9	-70.7	-439.4	380.4
946	ok	0.12	0.1	1.07e-03	6.2	6.2	6.2	6.2	-2.7	15.2	4.3	188.5	-259.1	363.1
947	ok	0.12	0.2	9.66e-04	6.2	6.2	6.2	6.2	-3.3	19.7	2.3	553.4	-65.6	323.2
948	ok	0.12	0.3	1.07e-03	6.2	6.2	6.2	6.2	-3.9	24.1	0.2	1043.3	141.5	276.2
949	ok	0.12	0.3	5.93e-03	6.2	6.2	6.2	6.2	-5.48e-02	-21.3	3.0	-93.2	-1041.9	476.5
950	ok	0.12	0.3	7.04e-03	6.2	6.2	6.2	6.2	9.45e-03	-25.8	5.70e-02	15.9	-1069.8	180.9
951	ok	0.12	0.3	4.96e-03	6.2	6.2	6.2	6.2	-0.2	-16.6	5.3	-208.0	-970.0	396.1

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952	ok	0.12	0.3	4.13e-03	6.2	6.2	6.2	6.2	-0.4	-11.9	6.9	-281.2	-900.8	400.2
953	ok	0.12	0.3	3.38e-03	6.2	6.2	6.2	6.2	-0.7	-7.1	7.9	-322.9	-822.2	418.6
954	ok	0.12	0.2	2.71e-03	6.2	6.2	6.2	6.2	-0.9	-2.3	8.3	-330.3	-731.4	441.8
955	ok	0.12	0.2	2.12e-03	6.2	6.2	6.2	6.2	-1.3	2.5	8.1	-296.9	-626.5	463.6
956	ok	0.12	0.2	1.72e-03	6.2	6.2	6.2	6.2	-1.7	7.3	7.5	-213.0	-506.3	478.2
957	ok	0.12	0.2	1.40e-03	6.2	6.2	6.2	6.2	-2.2	12.1	6.4	-66.2	-370.3	479.2
958	ok	0.12	0.1	1.14e-03	6.2	6.2	6.2	6.2	-2.8	16.9	4.9	160.8	-218.8	459.0
959	ok	0.12	0.2	1.04e-03	6.2	6.2	6.2	6.2	-3.5	21.7	2.9	484.1	-53.2	410.0
960	ok	0.12	0.3	1.11e-03	6.2	6.2	6.2	6.2	-4.1	26.3	0.7	922.8	127.3	351.2
961	ok	0.12	0.2	6.65e-03	6.2	6.2	6.2	6.2	-5.97e-02	-23.9	3.2	-67.1	-725.7	550.4
962	ok	0.12	0.2	7.96e-03	6.2	6.2	6.2	6.2	9.82e-03	-29.1	6.36e-02	14.1	-744.5	210.2
963	ok	0.12	0.2	5.48e-03	6.2	6.2	6.2	6.2	-0.2	-18.5	5.5	-152.9	-678.5	454.4
964	ok	0.12	0.2	4.46e-03	6.2	6.2	6.2	6.2	-0.4	-13.1	7.1	-210.2	-634.6	458.9
965	ok	0.12	0.2	3.57e-03	6.2	6.2	6.2	6.2	-0.6	-7.8	8.1	-246.7	-583.9	480.7
966	ok	0.12	0.2	2.80e-03	6.2	6.2	6.2	6.2	-0.8	-2.5	8.6	-258.1	-524.0	508.2
967	ok	0.12	0.2	2.16e-03	6.2	6.2	6.2	6.2	-1.1	2.8	8.5	-237.0	-453.2	534.3
968	ok	0.12	0.2	1.77e-03	6.2	6.2	6.2	6.2	-1.6	8.1	8.0	-173.5	-369.6	552.3
969	ok	0.12	0.2	1.44e-03	6.2	6.2	6.2	6.2	-2.1	13.4	7.0	-55.7	-272.1	555.2
970	ok	0.12	0.1	1.18e-03	6.2	6.2	6.2	6.2	-2.8	18.7	5.5	131.8	-159.4	533.8
971	ok	0.12	0.2	1.10e-03	6.2	6.2	6.2	6.2	-3.6	23.8	3.6	401.4	-31.4	482.1
972	ok	0.12	0.2	1.16e-03	6.2	6.2	6.2	6.2	-4.2	28.7	1.2	777.5	112.5	412.1
973	ok	0.12	0.2	7.39e-03	6.2	6.2	6.2	6.2	-5.78e-02	-26.6	3.3	-33.3	-314.6	594.8
974	ok	0.12	0.1	8.92e-03	6.2	6.2	6.2	6.2	8.86e-03	-32.7	7.30e-02	11.7	-321.7	230.1
975	ok	0.12	0.2	6.00e-03	6.2	6.2	6.2	6.2	-0.2	-20.5	5.7	-81.9	-299.1	486.3
976	ok	0.12	0.2	4.78e-03	6.2	6.2	6.2	6.2	-0.3	-14.4	7.3	-120.4	-286.7	491.3
977	ok	0.12	0.2	3.73e-03	6.2	6.2	6.2	6.2	-0.4	-8.5	8.3	-151.4	-270.9	515.5
978	ok	0.12	0.2	2.86e-03	6.2	6.2	6.2	6.2	-0.6	-2.7	8.8	-168.2	-249.9	545.9
979	ok	0.12	0.2	2.20e-03	6.2	6.2	6.2	6.2	-0.8	3.0	8.8	-161.5	-222.2	574.7
980	ok	0.12	0.2	1.78e-03	6.2	6.2	6.2	6.2	-1.2	8.7	8.5	-121.2	-185.4	595.3
981	ok	0.12	0.2	1.45e-03	6.2	6.2	6.2	6.2	-1.8	14.5	7.7	-36.5	-137.2	600.4
982	ok	0.12	0.1	1.20e-03	6.2	6.2	6.2	6.2	-2.6	20.3	6.3	106.1	-74.8	580.1
983	ok	0.12	0.2	1.13e-03	6.2	6.2	6.2	6.2	-3.5	26.0	4.4	317.3	4.2	526.1
984	ok	0.12	0.2	1.20e-03	6.2	6.2	6.2	6.2	-4.3	31.3	1.8	615.6	100.0	453.4
985	ok	0.12	0.2	8.14e-03	6.2	6.2	6.2	6.2	-4.25e-02	-29.4	3.4	10.6	207.4	601.3
986	ok	0.12	9.57e-02	9.94e-03	6.2	6.2	6.2	6.2	6.64e-03	-36.4	8.53e-02	8.6	215.5	237.6
987	ok	0.12	0.1	6.51e-03	6.2	6.2	6.2	6.2	-0.1	-22.4	5.8	9.0	184.8	485.5
988	ok	0.12	0.1	5.08e-03	6.2	6.2	6.2	6.2	-0.1	-15.7	7.3	-9.2	158.8	491.2
989	ok	0.12	0.1	3.86e-03	6.2	6.2	6.2	6.2	-6.79e-02	-9.2	8.3	-36.4	132.1	516.3
990	ok	0.12	0.1	2.87e-03	6.2	6.2	6.2	6.2	-3.08e-02	-3.0	8.9	-60.6	105.0	547.0
991	ok	0.12	0.1	2.19e-03	6.2	6.2	6.2	6.2	-0.1	3.1	9.1	-70.1	79.2	576.2
992	ok	0.12	0.1	1.75e-03	6.2	6.2	6.2	6.2	-0.4	9.2	8.9	-54.7	57.9	597.9
993	ok	0.12	0.2	1.42e-03	6.2	6.2	6.2	6.2	-1.0	15.4	8.4	-5.0	44.9	605.1
994	ok	0.12	0.2	1.19e-03	6.2	6.2	6.2	6.2	-1.9	21.8	7.3	89.5	44.3	587.6
995	ok	0.12	0.2	1.12e-03	6.2	6.2	6.2	6.2	-3.2	28.3	5.5	236.4	59.5	537.6
996	ok	0.12	0.2	1.23e-03	6.2	6.2	6.2	6.2	-4.3	34.3	2.6	450.1	95.5	465.3
997	ok	0.12	0.3	8.89e-03	6.2	6.2	6.2	6.2	-1.76e-04	-32.2	3.4	69.5	860.9	558.7
998	ok	0.12	0.2	1.10e-02	6.2	6.2	6.2	6.2	1.24e-02	-40.2	9.53e-02	4.8	888.6	228.5
999	ok	0.12	0.2	6.99e-03	6.2	6.2	6.2	6.2	4.85e-02	-24.3	5.7	125.2	788.5	445.4
1000	ok	0.12	0.2	5.32e-03	6.2	6.2	6.2	6.2	0.3	-16.9	7.2	127.2	716.6	452.9
1001	ok	0.12	0.2	3.93e-03	6.2	6.2	6.2	6.2	0.6	-9.9	8.1	99.7	638.7	476.7
1002	ok	0.12	0.2	2.82e-03	6.2	6.2	6.2	6.2	0.9	-3.4	8.8	65.0	553.1	503.9
1003	ok	0.12	0.2	2.10e-03	6.2	6.2	6.2	6.2	0.9	2.9	9.2	37.9	462.3	530.3
1004	ok	0.12	0.2	1.65e-03	6.2	6.2	6.2	6.2	0.7	9.3	9.3	27.5	370.8	551.1
1005	ok	0.12	0.2	1.31e-03	6.2	6.2	6.2	6.2	0.2	16.0	9.2	41.4	283.7	559.8
1006	ok	0.12	0.2	1.07e-03	6.2	6.2	6.2	6.2	-0.9	23.1	8.5	86.5	206.5	547.2
1007	ok	0.12	0.2	1.04e-03	6.2	6.2	6.2	6.2	-2.4	30.6	6.9	168.8	144.2	504.6
1008	ok	0.12	0.2	1.24e-03	6.2	6.2	6.2	6.2	-4.2	38.0	3.9	294.0	104.1	442.2
1009	ok	0.12	0.4	9.64e-03	6.2	6.2	6.2	6.2	8.21e-02	-34.9	3.4	155.0	1672.2	450.4
1010	ok	0.12	0.4	1.20e-02	6.2	6.2	6.2	6.2	0.1	-44.0	2.77e-02	5.33e-02	1727.9	195.3
1011	ok	0.12	0.4	7.43e-03	6.2	6.2	6.2	6.2	0.3	-26.0	5.5	278.6	1537.1	359.9
1012	ok	0.12	0.4	5.48e-03	6.2	6.2	6.2	6.2	1.0	-17.9	6.7	288.8	1410.2	371.5
1013	ok	0.12	0.3	3.93e-03	6.2	6.2	6.2	6.2	1.7	-10.7	7.6	252.7	1267.7	389.4
1014	ok	0.12	0.3	2.71e-03	6.2	6.2	6.2	6.2	2.3	-4.1	8.4	204.8	1109.5	407.6
1015	ok	0.12	0.3	1.99e-03	6.2	6.2	6.2	6.2	2.5	2.5	9.2	160.1	940.9	426.9
1016	ok	0.12	0.2	1.51e-03	6.2	6.2	6.2	6.2	2.4	9.1	9.7	125.1	766.1	444.7
1017	ok	0.12	0.2	1.16e-03	6.2	6.2	6.2	6.2	1.8	16.2	9.9	104.4	591.6	454.1
1018	ok	0.12	0.2	9.14e-04	6.2	6.2	6.2	6.2	0.8	23.9	9.8	102.6	424.1	446.6
1019	ok	0.12	0.2	8.69e-04	6.2	6.2	6.2	6.2	-0.9	32.6	9.0	123.6	269.3	415.5
1020	ok	0.12	0.1	1.20e-03	6.2	6.2	6.2	6.2	-3.6	42.3	6.0	168.6	136.9	368.0
1021	ok	0.12	0.6	1.10e-02	6.2	6.2	6.2	6.2	-4.91e-02	-37.5	3.2	302.3	2680.7	252.0
1022	ok	0.12	0.6	1.31e-02	6.2	6.2	6.2	6.2	2.3	-46.3	-1.8	-21.5	2802.0	115.2
1023	ok	0.12	0.6	7.61e-03	6.2	6.2	6.2	6.2	0.2	-27.0	4.6	487.1	2463.7	233.4
1024	ok	0.12	0.5	5.55e-03	6.2	6.2	6.2	6.2	2.3	-18.8	5.4	473.1	2268.6	237.2
1025	ok	0.12	0.5	3.92e-03	6.2	6.2	6.2	6.2	3.8	-11.8	6.7	418.4	2037.4	237.9
1026	ok	0.12	0.4	2.63e-03	6.2	6.2	6.2	6.2	4.6	-5.0	8.0	357.3	1788.0	244.0
1027	ok	0.12	0.4	1.89e-03	6.2	6.2	6.2	6.2	4.7	1.7	9.2	296.7	1527.9	254.9
1028	ok	0.12	0.3	1.39e-03	6.2	6.2	6.2	6.2	4.4	8.5	10.1	239.2	1257.7	267.1
1029	ok	0.12	0.3	1.05e-03	6.2	6.2	6.2	6.2	3.8	15.9	10.7	186.6	981.8	275.4

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1030	ok	0.12	0.2	7.95e-04	6.2	6.2	6.2	6.2	2.7	24.0	11.0	141.8	707.7	274.3
1031	ok	0.12	0.1	6.93e-04	6.2	6.2	6.2	6.2	1.2	33.6	11.0	108.6	449.3	255.7
1032	ok	0.12	9.89e-02	1.15e-03	6.2	6.2	6.2	6.2	-1.0	48.2	10.9	94.8	211.0	226.3
1306	ok	0.12	0.7	0.0	6.2	6.2	6.2	6.2	9.2	95.5	-23.9	28.4	2588.0	11.1
1307	ok	0.12	1.35e-02	6.51e-03	6.2	6.2	6.2	6.2	-11.2	-16.5	9.6	31.3	-16.4	4.7
1438	ok	0.12	0.6	9.23e-03	6.2	6.2	6.2	6.2	-8.3	-33.3	-3.4	440.5	2618.6	121.5
1439	ok	0.12	0.6	4.24e-03	6.2	6.2	6.2	6.2	-5.8	-15.5	0.3	489.2	2394.7	108.0
1440	ok	0.12	0.5	3.19e-03	6.2	6.2	6.2	6.2	-3.8	-10.9	2.4	439.8	2164.9	102.1
1441	ok	0.12	0.5	2.82e-03	6.2	6.2	6.2	6.2	-3.7	-8.4	3.5	386.6	1940.9	102.1
1442	ok	0.12	0.4	2.85e-03	6.2	6.2	6.2	6.2	-4.7	-7.1	4.3	335.4	1715.1	105.6
1443	ok	0.12	0.4	3.20e-03	6.2	6.2	6.2	6.2	-6.7	-6.7	5.0	284.4	1478.9	110.5
1444	ok	0.12	0.3	3.80e-03	6.2	6.2	6.2	6.2	-9.2	-7.1	5.7	232.5	1226.7	115.0
1445	ok	0.12	0.2	4.56e-03	6.2	6.2	6.2	6.2	-11.9	-8.1	6.4	179.9	957.0	116.7
1446	ok	0.12	0.2	5.42e-03	6.2	6.2	6.2	6.2	-14.7	-9.7	7.3	127.8	673.2	113.5
1447	ok	0.12	0.1	6.27e-03	6.2	6.2	6.2	6.2	-16.8	-11.8	8.1	81.1	388.2	101.4
1448	ok	0.12	4.44e-02	6.96e-03	6.2	6.2	6.2	6.2	-18.4	-15.5	8.4	66.6	115.9	76.3
1649	ok	0.12	2.53e-02	1.85e-03	6.2	6.2	6.2	6.2	-6.8	59.1	8.39e-02	-29.7	71.5	-52.7
1650	ok	0.12	5.37e-02	1.51e-03	6.2	6.2	6.2	6.2	-5.4	49.8	0.3	176.8	76.2	-82.4
1651	ok	0.12	0.1	1.41e-03	6.2	6.2	6.2	6.2	-5.1	43.3	0.8	451.3	109.1	-96.7
1652	ok	0.12	0.2	1.33e-03	6.2	6.2	6.2	6.2	-4.9	38.8	1.0	749.2	154.7	-100.8
1653	ok	0.12	0.2	1.28e-03	6.2	6.2	6.2	6.2	-4.7	35.6	1.0	1040.9	203.6	-97.4
1654	ok	0.12	0.3	1.26e-03	6.2	6.2	6.2	6.2	-4.6	33.0	1.2	1307.9	250.4	-88.5
1655	ok	0.12	0.4	1.25e-03	6.2	6.2	6.2	6.2	-4.5	30.7	1.5	1538.1	291.8	-75.5
1656	ok	0.12	0.4	1.26e-03	6.2	6.2	6.2	6.2	-4.5	28.7	2.0	1723.8	325.8	-59.5
1657	ok	0.12	0.4	1.30e-03	6.2	6.2	6.2	6.2	-4.5	26.6	2.7	1860.1	350.8	-41.3
1658	ok	0.12	0.5	1.37e-03	6.2	6.2	6.2	6.2	-4.6	24.3	3.6	1943.9	366.1	-21.9
1659	ok	0.12	0.5	1.49e-03	6.2	6.2	6.2	6.2	-4.7	21.9	4.6	1974.2	371.3	-1.6
1660	ok	0.12	0.5	1.69e-03	6.2	6.2	6.2	6.2	-4.8	19.1	5.8	1950.2	366.2	19.0
1661	ok	0.12	0.4	2.00e-03	6.2	6.2	6.2	6.2	-5.1	15.9	7.1	1873.2	351.0	38.6
1662	ok	0.12	0.4	2.44e-03	6.2	6.2	6.2	6.2	-5.6	12.3	8.4	1744.6	326.0	57.0
1663	ok	0.12	0.4	3.04e-03	6.2	6.2	6.2	6.2	-6.3	8.2	9.7	1567.4	292.1	73.1
1664	ok	0.12	0.3	3.81e-03	6.2	6.2	6.2	6.2	-7.3	3.5	10.8	1346.4	250.3	85.8
1665	ok	0.12	0.3	4.75e-03	6.2	6.2	6.2	6.2	-8.6	-1.6	11.8	1088.3	202.4	93.5
1666	ok	0.12	0.2	5.81e-03	6.2	6.2	6.2	6.2	-10.4	-7.0	12.4	802.6	150.7	94.2
1667	ok	0.12	0.1	6.92e-03	6.2	6.2	6.2	6.2	-12.5	-12.5	12.6	503.9	98.6	85.3
1668	ok	0.12	5.92e-02	7.85e-03	6.2	6.2	6.2	6.2	-15.4	-18.1	11.9	195.0	71.6	64.4
1669	ok	0.12	0.6	1.10e-02	6.2	6.2	6.2	6.2	-4.91e-02	-37.5	-3.2	302.3	2680.7	-252.0
1670	ok	0.12	0.6	1.31e-02	6.2	6.2	6.2	6.2	2.3	-46.3	1.8	-21.5	2802.0	-115.2
1671	ok	0.12	0.6	7.61e-03	6.2	6.2	6.2	6.2	0.2	-27.0	-4.6	487.1	2463.7	-233.4
1672	ok	0.12	0.5	5.55e-03	6.2	6.2	6.2	6.2	2.3	-18.8	-5.4	473.1	2268.6	-237.2
1673	ok	0.12	0.5	3.92e-03	6.2	6.2	6.2	6.2	3.8	-11.8	-6.7	418.4	2037.4	-237.9
1674	ok	0.12	0.4	2.63e-03	6.2	6.2	6.2	6.2	4.6	-5.0	-8.0	357.3	1788.0	-244.0
1675	ok	0.12	0.4	1.89e-03	6.2	6.2	6.2	6.2	4.7	1.7	-9.2	296.7	1527.9	-254.9
1676	ok	0.12	0.3	1.39e-03	6.2	6.2	6.2	6.2	4.4	8.5	-10.1	239.2	1257.7	-267.1
1677	ok	0.12	0.3	1.05e-03	6.2	6.2	6.2	6.2	3.8	15.9	-10.7	186.6	981.8	-275.4
1678	ok	0.12	0.2	7.95e-04	6.2	6.2	6.2	6.2	2.7	24.0	-11.0	141.8	707.7	-274.3
1679	ok	0.12	0.1	6.93e-04	6.2	6.2	6.2	6.2	1.2	33.6	-11.0	108.6	449.3	-255.7
1680	ok	0.12	9.89e-02	1.15e-03	6.2	6.2	6.2	6.2	-1.0	48.2	-10.9	94.8	211.0	-226.3
1681	ok	0.12	0.4	9.64e-03	6.2	6.2	6.2	6.2	8.21e-02	-34.9	-3.4	155.0	1672.2	-450.4
1682	ok	0.12	0.4	1.20e-02	6.2	6.2	6.2	6.2	0.1	-44.0	-2.77e-02	5.33e-02	1727.9	-195.3
1683	ok	0.12	0.4	7.43e-03	6.2	6.2	6.2	6.2	0.3	-26.0	-5.5	278.6	1537.1	-359.9
1684	ok	0.12	0.4	5.48e-03	6.2	6.2	6.2	6.2	1.0	-17.9	-6.7	288.8	1410.2	-371.5
1685	ok	0.12	0.3	3.93e-03	6.2	6.2	6.2	6.2	1.7	-10.7	-7.6	252.7	1267.7	-389.4
1686	ok	0.12	0.3	2.71e-03	6.2	6.2	6.2	6.2	2.3	-4.1	-8.4	204.8	1109.5	-407.6
1687	ok	0.12	0.3	1.99e-03	6.2	6.2	6.2	6.2	2.5	2.5	-9.2	160.1	940.9	-426.9
1688	ok	0.12	0.2	1.51e-03	6.2	6.2	6.2	6.2	2.4	9.1	-9.7	125.1	766.1	-444.7
1689	ok	0.12	0.2	1.16e-03	6.2	6.2	6.2	6.2	1.8	16.2	-9.9	104.4	591.6	-454.1
1690	ok	0.12	0.2	9.14e-04	6.2	6.2	6.2	6.2	0.8	23.9	-9.8	102.6	424.1	-446.6
1691	ok	0.12	0.2	8.69e-04	6.2	6.2	6.2	6.2	-0.9	32.6	-9.0	123.6	269.3	-415.5
1692	ok	0.12	0.1	1.20e-03	6.2	6.2	6.2	6.2	-3.6	42.3	-6.0	168.6	136.9	-368.0
1693	ok	0.12	0.3	8.89e-03	6.2	6.2	6.2	6.2	-1.76e-04	-32.2	-3.4	69.5	860.9	-558.7
1694	ok	0.12	0.2	1.10e-02	6.2	6.2	6.2	6.2	1.24e-02	-40.2	-9.53e-02	4.8	888.6	-228.5
1695	ok	0.12	0.2	6.99e-03	6.2	6.2	6.2	6.2	4.85e-02	-24.3	-5.7	125.2	788.5	-445.4
1696	ok	0.12	0.2	5.32e-03	6.2	6.2	6.2	6.2	0.3	-16.9	-7.2	127.2	716.6	-452.9
1697	ok	0.12	0.2	3.93e-03	6.2	6.2	6.2	6.2	0.6	-9.9	-8.1	99.7	638.7	-476.7
1698	ok	0.12	0.2	2.82e-03	6.2	6.2	6.2	6.2	0.9	-3.4	-8.8	65.0	553.1	-503.9
1699	ok	0.12	0.2	2.10e-03	6.2	6.2	6.2	6.2	0.9	2.9	-9.2	37.9	462.3	-530.3
1700	ok	0.12	0.2	1.65e-03	6.2	6.2	6.2	6.2	0.7	9.3	-9.3	27.5	370.8	-551.1
1701	ok	0.12	0.2	1.31e-03	6.2	6.2	6.2	6.2	0.2	16.0	-9.2	41.4	283.7	-559.8
1702	ok	0.12	0.2	1.07e-03	6.2	6.2	6.2	6.2	-0.9	23.1	-8.5	86.5	206.5	-547.2
1703	ok	0.12	0.2	1.04e-03	6.2	6.2	6.2	6.2	-2.4	30.6	-6.9	168.8	144.2	-504.6
1704	ok	0.12	0.2	1.24e-03	6.2	6.2	6.2	6.2	-4.2	38.0	-3.9	294.0	104.1	-442.2
1705	ok	0.12	0.2	8.14e-03	6.2	6.2	6.2	6.2	-4.25e-02	-29.4	-3.4	10.6	207.4	-601.3
1706	ok	0.12	9.57e-02	9.94e-03	6.2	6.2	6.2	6.2	6.64e-03	-36.4	-8.53e-02	8.6	215.5	-237.6
1707	ok	0.12	0.1	6.51e-03	6.2	6.2	6.2	6.2	-0.1	-22.4	-5.8	9.0	184.8	-485.5
1708	ok	0.12	0.1	5.08e-03	6.2	6.2	6.2	6.2	-0.1	-15.7	-7.3	-9.2	158.8	-491.2
1709	ok	0.12	0.1	3.86e-03	6.2	6.2	6.2	6.2	-6.79e-02	-9.2	-8.3	-36.4	132.1	-516.3
1710	ok	0.12	0.1	2.87e-03	6.2	6.2	6.2	6.2	-3.08e-02	-3.0	-8.9	-60.6	105.0	-547.0

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1711	ok	0.12	0.1	2.19e-03	6.2	6.2	6.2	6.2	-0.1	3.1	-9.1	-70.1	79.2	-576.2
1712	ok	0.12	0.1	1.75e-03	6.2	6.2	6.2	6.2	-0.4	9.2	-8.9	-54.7	57.9	-597.9
1713	ok	0.12	0.2	1.42e-03	6.2	6.2	6.2	6.2	-1.0	15.4	-8.4	-5.0	44.9	-605.1
1714	ok	0.12	0.2	1.19e-03	6.2	6.2	6.2	6.2	-1.9	21.8	-7.3	89.5	44.3	-587.6
1715	ok	0.12	0.2	1.12e-03	6.2	6.2	6.2	6.2	-3.2	28.3	-5.5	236.4	59.5	-537.6
1716	ok	0.12	0.2	1.23e-03	6.2	6.2	6.2	6.2	-4.3	34.3	-2.6	450.1	95.5	-465.3
1717	ok	0.12	0.2	7.39e-03	6.2	6.2	6.2	6.2	-5.78e-02	-26.6	-3.3	-33.3	-314.6	-594.8
1718	ok	0.12	0.1	8.92e-03	6.2	6.2	6.2	6.2	8.86e-03	-32.7	-7.30e-02	11.7	-321.7	-230.1
1719	ok	0.12	0.2	6.00e-03	6.2	6.2	6.2	6.2	-0.2	-20.5	-5.7	-81.9	-299.1	-486.3
1720	ok	0.12	0.2	4.78e-03	6.2	6.2	6.2	6.2	-0.3	-14.4	-7.3	-120.4	-286.7	-491.3
1721	ok	0.12	0.2	3.73e-03	6.2	6.2	6.2	6.2	-0.4	-8.5	-8.3	-151.4	-270.9	-515.5
1722	ok	0.12	0.2	2.86e-03	6.2	6.2	6.2	6.2	-0.6	-2.7	-8.8	-168.2	-249.9	-545.9
1723	ok	0.12	0.2	2.20e-03	6.2	6.2	6.2	6.2	-0.8	3.0	-8.8	-161.5	-222.2	-574.7
1724	ok	0.12	0.2	1.78e-03	6.2	6.2	6.2	6.2	-1.2	8.7	-8.5	-121.2	-185.4	-595.3
1725	ok	0.12	0.2	1.45e-03	6.2	6.2	6.2	6.2	-1.8	14.5	-7.7	-36.5	-137.2	-600.4
1726	ok	0.12	0.1	1.20e-03	6.2	6.2	6.2	6.2	-2.6	20.3	-6.3	106.1	-74.8	-580.1
1727	ok	0.12	0.2	1.13e-03	6.2	6.2	6.2	6.2	-3.5	26.0	-4.4	317.3	4.2	-526.1
1728	ok	0.12	0.2	1.20e-03	6.2	6.2	6.2	6.2	-4.3	31.3	-1.8	615.6	100.0	-453.4
1729	ok	0.12	0.2	6.65e-03	6.2	6.2	6.2	6.2	-5.97e-02	-23.9	-3.2	-67.1	-725.7	-550.4
1730	ok	0.12	0.2	7.96e-03	6.2	6.2	6.2	6.2	9.82e-03	-29.1	-6.36e-02	14.1	-744.5	-210.2
1731	ok	0.12	0.2	5.48e-03	6.2	6.2	6.2	6.2	-0.2	-18.5	-5.5	-152.9	-678.5	-454.4
1732	ok	0.12	0.2	4.46e-03	6.2	6.2	6.2	6.2	-0.4	-13.1	-7.1	-210.2	-634.6	-458.9
1733	ok	0.12	0.2	3.57e-03	6.2	6.2	6.2	6.2	-0.6	-7.8	-8.1	-246.7	-583.9	-480.7
1734	ok	0.12	0.2	2.80e-03	6.2	6.2	6.2	6.2	-0.8	-2.5	-8.6	-258.1	-524.0	-508.2
1735	ok	0.12	0.2	2.16e-03	6.2	6.2	6.2	6.2	-1.1	2.8	-8.5	-237.0	-453.2	-534.3
1736	ok	0.12	0.2	1.77e-03	6.2	6.2	6.2	6.2	-1.6	8.1	-8.0	-173.5	-369.6	-552.3
1737	ok	0.12	0.2	1.44e-03	6.2	6.2	6.2	6.2	-2.1	13.4	-7.0	-55.7	-272.1	-555.2
1738	ok	0.12	0.1	1.18e-03	6.2	6.2	6.2	6.2	-2.8	18.7	-5.5	131.8	-159.4	-533.8
1739	ok	0.12	0.2	1.10e-03	6.2	6.2	6.2	6.2	-3.6	23.8	-3.6	401.4	-31.4	-482.1
1740	ok	0.12	0.2	1.16e-03	6.2	6.2	6.2	6.2	-4.2	28.7	-1.2	777.5	112.5	-412.1
1741	ok	0.12	0.3	5.93e-03	6.2	6.2	6.2	6.2	-5.48e-02	-21.3	-3.0	-93.2	-1041.9	-476.5
1742	ok	0.12	0.3	7.04e-03	6.2	6.2	6.2	6.2	9.45e-03	-25.8	-5.70e-02	15.9	-1069.8	-180.9
1743	ok	0.12	0.3	4.96e-03	6.2	6.2	6.2	6.2	-0.2	-16.6	-5.3	-208.0	-970.0	-396.1
1744	ok	0.12	0.3	4.13e-03	6.2	6.2	6.2	6.2	-0.4	-11.9	-6.9	-281.2	-900.8	-400.2
1745	ok	0.12	0.3	3.38e-03	6.2	6.2	6.2	6.2	-0.7	-7.1	-7.9	-322.9	-822.2	-418.6
1746	ok	0.12	0.2	2.71e-03	6.2	6.2	6.2	6.2	-0.9	-2.3	-8.3	-330.3	-731.4	-441.8
1747	ok	0.12	0.2	2.12e-03	6.2	6.2	6.2	6.2	-1.3	2.5	-8.1	-296.9	-626.5	-463.6
1748	ok	0.12	0.2	1.72e-03	6.2	6.2	6.2	6.2	-1.7	7.3	-7.5	-213.0	-506.3	-478.2
1749	ok	0.12	0.2	1.40e-03	6.2	6.2	6.2	6.2	-2.2	12.1	-6.4	-66.2	-370.3	-479.2
1750	ok	0.12	0.1	1.14e-03	6.2	6.2	6.2	6.2	-2.8	16.9	-4.9	160.8	-218.8	-459.0
1751	ok	0.12	0.2	1.04e-03	6.2	6.2	6.2	6.2	-3.5	21.7	-2.9	484.1	-53.2	-410.0
1752	ok	0.12	0.3	1.11e-03	6.2	6.2	6.2	6.2	-4.1	26.3	-0.7	922.8	127.3	-351.2
1753	ok	0.12	0.3	5.23e-03	6.2	6.2	6.2	6.2	-4.65e-02	-18.7	-2.9	-112.6	-1276.0	-380.1
1754	ok	0.12	0.3	6.16e-03	6.2	6.2	6.2	6.2	8.26e-03	-22.5	-5.27e-02	17.3	-1310.7	-144.4
1755	ok	0.12	0.3	4.46e-03	6.2	6.2	6.2	6.2	-0.2	-14.7	-5.1	-249.5	-1185.3	-317.3
1756	ok	0.12	0.3	3.80e-03	6.2	6.2	6.2	6.2	-0.4	-10.6	-6.7	-335.0	-1096.9	-320.8
1757	ok	0.12	0.3	3.19e-03	6.2	6.2	6.2	6.2	-0.6	-6.4	-7.6	-381.0	-996.9	-335.1
1758	ok	0.12	0.3	2.61e-03	6.2	6.2	6.2	6.2	-0.9	-2.2	-8.0	-385.3	-882.6	-353.0
1759	ok	0.12	0.2	2.06e-03	6.2	6.2	6.2	6.2	-1.3	2.0	-7.8	-342.1	-751.9	-369.8
1760	ok	0.12	0.2	1.66e-03	6.2	6.2	6.2	6.2	-1.7	6.4	-7.0	-241.5	-604.2	-380.5
1761	ok	0.12	0.2	1.33e-03	6.2	6.2	6.2	6.2	-2.2	10.7	-5.9	-70.7	-439.4	-380.4
1762	ok	0.12	0.1	1.07e-03	6.2	6.2	6.2	6.2	-2.7	15.2	-4.3	188.5	-259.1	-363.1
1763	ok	0.12	0.2	9.66e-04	6.2	6.2	6.2	6.2	-3.3	19.7	-2.3	553.4	-65.6	-323.2
1764	ok	0.12	0.3	1.07e-03	6.2	6.2	6.2	6.2	-3.9	24.1	-0.2	1043.3	141.5	-276.2
1765	ok	0.12	0.4	4.56e-03	6.2	6.2	6.2	6.2	-3.67e-02	-16.2	-2.8	-126.1	-1437.4	-267.3
1766	ok	0.12	0.3	5.31e-03	6.2	6.2	6.2	6.2	6.65e-03	-19.4	-5.02e-02	18.3	-1476.8	-102.7
1767	ok	0.12	0.3	3.98e-03	6.2	6.2	6.2	6.2	-0.2	-12.9	-5.0	-278.4	-1333.6	-223.4
1768	ok	0.12	0.3	3.49e-03	6.2	6.2	6.2	6.2	-0.3	-9.4	-6.5	-372.7	-1231.5	-225.9
1769	ok	0.12	0.3	3.01e-03	6.2	6.2	6.2	6.2	-0.6	-5.8	-7.4	-421.8	-1116.4	-235.7
1770	ok	0.12	0.3	2.51e-03	6.2	6.2	6.2	6.2	-0.8	-2.2	-7.7	-424.0	-985.4	-247.8
1771	ok	0.12	0.2	2.00e-03	6.2	6.2	6.2	6.2	-1.2	1.5	-7.4	-373.5	-836.7	-259.1
1772	ok	0.12	0.2	1.59e-03	6.2	6.2	6.2	6.2	-1.6	5.4	-6.6	-260.5	-669.7	-266.1
1773	ok	0.12	0.1	1.26e-03	6.2	6.2	6.2	6.2	-2.0	9.3	-5.4	-71.9	-485.1	-265.4
1774	ok	0.12	9.42e-02	9.99e-04	6.2	6.2	6.2	6.2	-2.5	13.4	-3.7	211.3	-285.0	-252.8
1775	ok	0.12	0.2	8.94e-04	6.2	6.2	6.2	6.2	-3.1	17.6	-1.7	606.6	-72.4	-224.3
1776	ok	0.12	0.3	1.04e-03	6.2	6.2	6.2	6.2	-3.8	22.0	0.5	1133.5	152.9	-191.7
1777	ok	0.12	0.4	3.96e-03	6.2	6.2	6.2	6.2	-2.64e-02	-13.8	-2.8	-134.2	-1533.0	-143.8
1778	ok	0.12	0.4	4.77e-03	6.2	6.2	6.2	6.2	4.87e-03	-16.4	-4.92e-02	18.9	-1575.1	-57.6
1779	ok	0.12	0.3	3.53e-03	6.2	6.2	6.2	6.2	-0.1	-11.1	-4.8	-295.7	-1421.1	-119.5
1780	ok	0.12	0.3	3.20e-03	6.2	6.2	6.2	6.2	-0.3	-8.2	-6.3	-395.2	-1310.9	-120.8
1781	ok	0.12	0.3	2.84e-03	6.2	6.2	6.2	6.2	-0.5	-5.3	-7.1	-446.2	-1186.7	-125.7
1782	ok	0.12	0.3	2.42e-03	6.2	6.2	6.2	6.2	-0.7	-2.2	-7.4	-447.1	-1045.7	-131.8
1783	ok	0.12	0.2	1.95e-03	6.2	6.2	6.2	6.2	-1.1	1.0	-7.0	-392.0	-886.2	-137.5
1784	ok	0.12	0.2	1.51e-03	6.2	6.2	6.2	6.2	-1.4	4.3	-6.2	-271.3	-707.8	-140.9
1785	ok	0.12	0.1	1.19e-03	6.2	6.2	6.2	6.2	-1.9	7.8	-4.9	-71.5	-511.4	-140.2
1786	ok	0.12	7.99e-02	9.30e-04	6.2	6.2	6.2	6.2	-2.4	11.5	-3.2	226.4	-299.6	-133.2
1787	ok	0.12	0.2	8.34e-04	6.2	6.2	6.2	6.2	-3.0	15.5	-1.1	640.5	-75.8	-117.9
1788	ok	0.12	0.3	1.03e-03	6.2	6.2	6.2	6.2	-3.7	19.7	1.2	1189.9	160.1	-101.0

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1789	ok	0.12	0.4	3.59e-03	6.2	6.2	6.2	6.2	-1.63e-02	-11.5	-2.7	-137.0	-1566.7	-14.8
1790	ok	0.12	0.4	4.28e-03	6.2	6.2	6.2	6.2	3.06e-03	-13.5	-4.95e-02	19.1	-1609.7	-10.7
1791	ok	0.12	0.3	3.10e-03	6.2	6.2	6.2	6.2	-7.85e-02	-9.4	-4.7	-302.0	-1451.7	-10.5
1792	ok	0.12	0.3	2.93e-03	6.2	6.2	6.2	6.2	-0.2	-7.1	-6.1	-403.0	-1338.7	-10.4
1793	ok	0.12	0.3	2.69e-03	6.2	6.2	6.2	6.2	-0.4	-4.8	-6.9	-454.6	-1211.4	-10.4
1794	ok	0.12	0.3	2.35e-03	6.2	6.2	6.2	6.2	-0.6	-2.3	-7.1	-455.0	-1066.8	-10.4
1795	ok	0.12	0.2	1.92e-03	6.2	6.2	6.2	6.2	-1.0	0.4	-6.7	-398.3	-903.5	-10.3
1796	ok	0.12	0.2	1.45e-03	6.2	6.2	6.2	6.2	-1.3	3.2	-5.8	-274.8	-721.0	-10.2
1797	ok	0.12	0.1	1.13e-03	6.2	6.2	6.2	6.2	-1.8	6.3	-4.4	-71.0	-520.5	-9.9
1798	ok	0.12	7.35e-02	8.72e-04	6.2	6.2	6.2	6.2	-2.3	9.6	-2.6	232.3	-304.7	-9.1
1799	ok	0.12	0.2	8.01e-04	6.2	6.2	6.2	6.2	-2.9	13.2	-0.4	653.1	-77.0	-7.9
1800	ok	0.12	0.3	1.06e-03	6.2	6.2	6.2	6.2	-3.7	17.3	2.0	1219.0	155.9	-6.2
1801	ok	0.12	0.4	3.21e-03	6.2	6.2	6.2	6.2	-5.18e-03	-9.1	-2.7	-134.6	-1539.8	119.2
1802	ok	0.12	0.4	3.77e-03	6.2	6.2	6.2	6.2	1.69e-03	-10.6	-5.09e-02	18.9	-1582.0	48.8
1803	ok	0.12	0.3	2.82e-03	6.2	6.2	6.2	6.2	-4.10e-02	-7.7	-4.7	-296.4	-1427.4	98.8
1804	ok	0.12	0.3	2.68e-03	6.2	6.2	6.2	6.2	-0.1	-6.1	-6.0	-396.1	-1316.6	100.5
1805	ok	0.12	0.3	2.55e-03	6.2	6.2	6.2	6.2	-0.3	-4.4	-6.7	-447.2	-1191.8	105.6
1806	ok	0.12	0.3	2.28e-03	6.2	6.2	6.2	6.2	-0.6	-2.4	-6.8	-448.0	-1050.1	111.8
1807	ok	0.12	0.2	1.90e-03	6.2	6.2	6.2	6.2	-0.9	-0.3	-6.3	-392.6	-889.8	117.4
1808	ok	0.12	0.2	1.44e-03	6.2	6.2	6.2	6.2	-1.3	2.1	-5.4	-271.4	-710.6	121.1
1809	ok	0.12	0.1	1.10e-03	6.2	6.2	6.2	6.2	-1.8	4.7	-3.9	-70.8	-513.5	121.0
1810	ok	0.12	7.82e-02	8.33e-04	6.2	6.2	6.2	6.2	-2.3	7.6	-2.1	228.3	-301.1	115.4
1811	ok	0.12	0.2	8.14e-04	6.2	6.2	6.2	6.2	-3.0	10.8	0.2	643.8	-76.6	102.4
1812	ok	0.12	0.3	1.15e-03	6.2	6.2	6.2	6.2	-3.8	14.6	2.9	1194.8	159.8	88.0
1813	ok	0.12	0.4	2.81e-03	6.2	6.2	6.2	6.2	8.40e-03	-6.9	-2.7	-126.9	-1451.3	243.4
1814	ok	0.12	0.4	3.22e-03	6.2	6.2	6.2	6.2	-8.65e-04	-7.7	-5.28e-02	18.4	-1491.0	94.1
1815	ok	0.12	0.3	2.58e-03	6.2	6.2	6.2	6.2	6.78e-03	-6.1	-4.6	-279.9	-1346.5	203.4
1816	ok	0.12	0.3	2.46e-03	6.2	6.2	6.2	6.2	-6.12e-02	-5.2	-5.9	-374.6	-1243.3	206.5
1817	ok	0.12	0.3	2.42e-03	6.2	6.2	6.2	6.2	-0.3	-4.0	-6.5	-423.8	-1126.9	216.4
1818	ok	0.12	0.3	2.23e-03	6.2	6.2	6.2	6.2	-0.6	-2.7	-6.5	-425.8	-994.4	228.7
1819	ok	0.12	0.2	1.89e-03	6.2	6.2	6.2	6.2	-1.0	-1.0	-5.9	-374.7	-844.1	240.0
1820	ok	0.12	0.2	1.46e-03	6.2	6.2	6.2	6.2	-1.5	0.8	-4.9	-260.7	-675.6	247.1
1821	ok	0.12	0.1	1.08e-03	6.2	6.2	6.2	6.2	-2.0	3.0	-3.4	-70.5	-489.4	246.9
1822	ok	0.12	9.12e-02	8.23e-04	6.2	6.2	6.2	6.2	-2.6	5.4	-1.5	214.9	-287.9	235.4
1823	ok	0.12	0.2	8.98e-04	6.2	6.2	6.2	6.2	-3.2	8.3	0.9	613.1	-74.1	209.1
1824	ok	0.12	0.3	1.34e-03	6.2	6.2	6.2	6.2	-4.0	11.7	3.8	1143.4	152.2	178.9
1825	ok	0.12	0.3	2.40e-03	6.2	6.2	6.2	6.2	3.14e-02	-4.6	-2.7	-113.6	-1297.6	357.2
1826	ok	0.12	0.3	2.63e-03	6.2	6.2	6.2	6.2	-5.29e-03	-4.7	-5.59e-02	17.4	-1332.7	136.1
1827	ok	0.12	0.3	2.35e-03	6.2	6.2	6.2	6.2	8.34e-02	-4.5	-4.6	-251.5	-1205.5	298.4
1828	ok	0.12	0.3	2.29e-03	6.2	6.2	6.2	6.2	4.10e-02	-4.3	-5.7	-337.7	-1115.3	302.7
1829	ok	0.12	0.3	2.31e-03	6.2	6.2	6.2	6.2	-0.2	-3.8	-6.2	-383.9	-1013.3	317.3
1830	ok	0.12	0.3	2.17e-03	6.2	6.2	6.2	6.2	-0.6	-3.0	-6.0	-388.1	-896.6	335.4
1831	ok	0.12	0.2	1.89e-03	6.2	6.2	6.2	6.2	-1.1	-1.8	-5.4	-344.1	-763.5	352.2
1832	ok	0.12	0.2	1.50e-03	6.2	6.2	6.2	6.2	-1.7	-0.4	-4.4	-242.2	-613.2	363.0
1833	ok	0.12	0.2	1.07e-03	6.2	6.2	6.2	6.2	-2.4	1.3	-2.9	-69.1	-446.0	363.1
1834	ok	0.12	0.1	8.54e-04	6.2	6.2	6.2	6.2	-3.0	3.2	-0.9	193.4	-263.5	346.6
1835	ok	0.12	0.2	1.09e-03	6.2	6.2	6.2	6.2	-3.7	5.6	1.7	562.8	-68.1	308.3
1836	ok	0.12	0.3	1.65e-03	6.2	6.2	6.2	6.2	-4.5	8.5	4.8	1058.3	140.5	263.8
1837	ok	0.12	0.3	2.00e-03	6.2	6.2	6.2	6.2	7.84e-02	-2.3	-2.8	-94.4	-1072.2	454.9
1838	ok	0.12	0.3	2.01e-03	6.2	6.2	6.2	6.2	-1.44e-02	-1.7	-6.19e-02	16.0	-1100.7	173.0
1839	ok	0.12	0.3	2.15e-03	6.2	6.2	6.2	6.2	0.2	-3.1	-4.7	-210.6	-998.3	378.9
1840	ok	0.12	0.3	2.20e-03	6.2	6.2	6.2	6.2	0.2	-3.7	-5.6	-284.7	-926.7	384.2
1841	ok	0.12	0.3	2.20e-03	6.2	6.2	6.2	6.2	-0.1	-3.8	-5.8	-326.8	-845.1	403.1
1842	ok	0.12	0.2	2.11e-03	6.2	6.2	6.2	6.2	-0.7	-3.4	-5.5	-334.1	-751.1	426.5
1843	ok	0.12	0.2	1.87e-03	6.2	6.2	6.2	6.2	-1.5	-2.7	-4.7	-299.9	-642.8	448.3
1844	ok	0.12	0.2	1.54e-03	6.2	6.2	6.2	6.2	-2.3	-1.7	-3.7	-214.4	-519.1	462.8
1845	ok	0.12	0.2	1.16e-03	6.2	6.2	6.2	6.2	-3.0	-0.4	-2.2	-64.9	-379.5	463.8
1846	ok	0.12	0.1	1.03e-03	6.2	6.2	6.2	6.2	-3.8	1.0	-0.2	166.3	-224.8	443.8
1847	ok	0.12	0.2	1.41e-03	6.2	6.2	6.2	6.2	-4.5	2.8	2.4	495.8	-56.5	395.7
1848	ok	0.12	0.3	2.11e-03	6.2	6.2	6.2	6.2	-5.2	5.0	5.6	942.9	125.9	338.9
1849	ok	0.12	0.3	1.61e-03	6.2	6.2	6.2	6.2	0.2	0.1	-3.1	-68.3	-766.0	530.5
1850	ok	0.12	0.2	1.32e-03	6.2	6.2	6.2	6.2	-3.50e-02	1.6	-7.59e-02	14.1	-785.6	202.8
1851	ok	0.12	0.2	1.98e-03	6.2	6.2	6.2	6.2	0.5	-1.8	-4.9	-155.4	-716.4	439.4
1852	ok	0.12	0.2	2.14e-03	6.2	6.2	6.2	6.2	0.5	-3.4	-5.4	-214.2	-668.9	445.7
1853	ok	0.12	0.2	2.09e-03	6.2	6.2	6.2	6.2	1.67e-02	-4.1	-5.2	-251.7	-614.2	468.3
1854	ok	0.12	0.2	2.01e-03	6.2	6.2	6.2	6.2	-0.9	-4.0	-4.6	-263.2	-550.0	496.0
1855	ok	0.12	0.2	1.83e-03	6.2	6.2	6.2	6.2	-1.9	-3.6	-3.8	-241.1	-474.8	522.0
1856	ok	0.12	0.2	1.56e-03	6.2	6.2	6.2	6.2	-3.0	-2.9	-2.8	-175.8	-386.8	539.9
1857	ok	0.12	0.2	1.28e-03	6.2	6.2	6.2	6.2	-4.0	-2.1	-1.4	-55.3	-284.6	542.5
1858	ok	0.12	0.1	1.35e-03	6.2	6.2	6.2	6.2	-4.8	-1.2	0.6	136.9	-167.6	520.7
1859	ok	0.12	0.2	1.91e-03	6.2	6.2	6.2	6.2	-5.6	-0.1	3.1	414.1	-35.8	468.5
1860	ok	0.12	0.2	2.73e-03	6.2	6.2	6.2	6.2	-6.3	1.3	6.4	802.0	110.2	399.2
1861	ok	0.12	0.2	1.30e-03	6.2	6.2	6.2	6.2	0.4	2.6	-3.7	-33.6	-367.1	576.7
1862	ok	0.12	0.1	5.02e-04	6.2	6.2	6.2	6.2	-8.39e-02	5.4	-0.1	11.7	-374.9	222.9
1863	ok	0.12	0.2	1.87e-03	6.2	6.2	6.2	6.2	1.2	-1.0	-5.2	-83.6	-348.3	474.6
1864	ok	0.12	0.2	2.08e-03	6.2	6.2	6.2	6.2	1.1	-3.6	-5.0	-124.6	-330.8	482.3
1865	ok	0.12	0.2	2.06e-03	6.2	6.2	6.2	6.2	0.2	-4.7	-4.2	-157.7	-309.3	507.2
1866	ok	0.12	0.2	1.87e-03	6.2	6.2	6.2	6.2	-1.2	-4.8	-3.4	-174.8	-283.0	537.4

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1867	ok	0.12	0.2	1.73e-03	6.2	6.2	6.2	6.2	-2.7	-4.5	-2.6	-166.9	-250.1	566.1
1868	ok	0.12	0.2	1.55e-03	6.2	6.2	6.2	6.2	-4.0	-4.1	-1.6	-124.7	-207.9	586.8
1869	ok	0.12	0.2	1.45e-03	6.2	6.2	6.2	6.2	-5.2	-3.7	-0.3	-37.6	-153.9	591.6
1870	ok	0.12	0.1	1.88e-03	6.2	6.2	6.2	6.2	-6.3	-3.3	1.4	109.3	-85.8	569.9
1871	ok	0.12	0.2	2.58e-03	6.2	6.2	6.2	6.2	-7.2	-3.0	3.8	327.9	-2.6	514.7
1872	ok	0.12	0.2	3.51e-03	6.2	6.2	6.2	6.2	-7.9	-2.5	7.1	642.7	96.3	438.7
1873	ok	0.12	0.2	1.15e-03	6.2	6.2	6.2	6.2	1.0	5.4	-5.1	13.0	139.8	584.7
1874	ok	0.12	7.63e-02	1.15e-04	6.2	6.2	6.2	6.2	-0.2	10.5	-0.2	8.5	147.2	230.2
1875	ok	0.12	0.1	1.84e-03	6.2	6.2	6.2	6.2	2.4	-1.3	-5.7	10.4	121.8	479.0
1876	ok	0.12	0.1	2.03e-03	6.2	6.2	6.2	6.2	1.8	-4.7	-4.0	-14.0	104.1	488.5
1877	ok	0.12	0.1	1.93e-03	6.2	6.2	6.2	6.2	0.1	-5.6	-2.7	-45.1	84.9	513.4
1878	ok	0.12	0.1	1.79e-03	6.2	6.2	6.2	6.2	-1.8	-5.6	-1.7	-69.4	64.1	542.9
1879	ok	0.12	0.1	1.70e-03	6.2	6.2	6.2	6.2	-3.7	-5.3	-1.0	-76.8	44.3	571.9
1880	ok	0.12	0.1	1.61e-03	6.2	6.2	6.2	6.2	-5.3	-5.1	-0.2	-59.2	29.3	594.1
1881	ok	0.12	0.1	1.96e-03	6.2	6.2	6.2	6.2	-6.8	-5.1	0.9	-8.4	21.9	602.1
1882	ok	0.12	0.2	2.59e-03	6.2	6.2	6.2	6.2	-8.0	-5.3	2.5	88.9	29.4	581.7
1883	ok	0.12	0.2	3.39e-03	6.2	6.2	6.2	6.2	-9.1	-5.6	4.7	242.4	50.6	526.8
1884	ok	0.12	0.2	4.41e-03	6.2	6.2	6.2	6.2	-9.9	-6.3	7.8	474.0	87.7	449.4
1885	ok	0.12	0.3	1.26e-03	6.2	6.2	6.2	6.2	2.4	7.9	-8.1	80.7	773.5	542.2
1886	ok	0.12	0.2	1.79e-04	6.2	6.2	6.2	6.2	-0.5	18.9	-0.6	4.0	799.7	219.9
1887	ok	0.12	0.2	1.97e-03	6.2	6.2	6.2	6.2	4.3	-3.8	-5.6	133.7	710.0	448.5
1888	ok	0.12	0.2	2.03e-03	6.2	6.2	6.2	6.2	2.5	-7.0	-2.1	121.3	649.5	462.3
1889	ok	0.12	0.2	1.90e-03	6.2	6.2	6.2	6.2	-0.4	-6.9	-0.3	86.6	581.2	482.6
1890	ok	0.12	0.2	1.73e-03	6.2	6.2	6.2	6.2	-2.9	-6.3	0.4	53.0	502.5	507.0
1891	ok	0.12	0.2	1.75e-03	6.2	6.2	6.2	6.2	-5.0	-5.8	0.9	29.5	418.2	533.9
1892	ok	0.12	0.2	2.15e-03	6.2	6.2	6.2	6.2	-6.8	-5.9	1.4	22.1	333.9	556.1
1893	ok	0.12	0.2	2.73e-03	6.2	6.2	6.2	6.2	-8.5	-6.3	2.3	36.6	254.7	564.3
1894	ok	0.12	0.2	3.42e-03	6.2	6.2	6.2	6.2	-10.0	-7.0	3.7	79.6	185.0	549.6
1895	ok	0.12	0.2	4.27e-03	6.2	6.2	6.2	6.2	-11.2	-8.1	5.8	162.7	130.0	499.3
1896	ok	0.12	0.2	5.36e-03	6.2	6.2	6.2	6.2	-12.1	-9.6	8.5	307.7	90.1	421.1
1897	ok	0.12	0.4	2.24e-03	6.2	6.2	6.2	6.2	16.3	9.2	-19.0	198.6	1535.5	466.3
1898	ok	0.12	0.4	5.33e-04	6.2	6.2	6.2	6.2	0.2	40.1	-4.0	1.3	1600.3	160.2
1899	ok	0.12	0.4	2.88e-03	6.2	6.2	6.2	6.2	4.8	-9.0	-2.1	297.1	1448.5	426.5
1900	ok	0.12	0.4	2.60e-03	6.2	6.2	6.2	6.2	0.3	-9.2	1.3	273.1	1336.9	426.8
1901	ok	0.12	0.3	2.32e-03	6.2	6.2	6.2	6.2	-2.2	-7.6	2.2	230.5	1197.9	436.4
1902	ok	0.12	0.3	2.26e-03	6.2	6.2	6.2	6.2	-4.2	-6.6	2.6	189.7	1047.2	453.9
1903	ok	0.12	0.3	2.49e-03	6.2	6.2	6.2	6.2	-6.2	-6.2	2.9	152.7	888.4	476.1
1904	ok	0.12	0.2	2.96e-03	6.2	6.2	6.2	6.2	-8.3	-6.5	3.3	121.2	724.2	496.7
1905	ok	0.12	0.2	3.59e-03	6.2	6.2	6.2	6.2	-10.3	-7.3	4.1	97.5	557.9	507.2
1906	ok	0.12	0.2	4.33e-03	6.2	6.2	6.2	6.2	-12.1	-8.6	5.2	85.7	396.4	496.3
1907	ok	0.12	0.1	5.19e-03	6.2	6.2	6.2	6.2	-13.5	-10.2	6.8	93.9	250.7	449.2
1908	ok	0.12	0.1	6.22e-03	6.2	6.2	6.2	6.2	-13.4	-11.7	9.9	147.6	125.2	359.9

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
								-18.39	-56.47	-23.89	-454.99	-1609.66	-605.11
	0.12	0.90	0.02	6.22	6.22	6.22	6.22	16.34	95.52	23.89	1974.17	3991.37	605.11

Nodo	**Stato**	**Max tau** daN/cm2	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr** daN/cm	**V sec** daN/cm
287	ok	2.84						
288	ok	3.18						
289	ok	0.64						
290	ok	0.70						
421	ok	3.18						
422	ok	3.08						
423	ok	2.69						
424	ok	2.39						
425	ok	2.16						
426	ok	1.97						
427	ok	1.77						
428	ok	1.54						
429	ok	1.28						
430	ok	1.00						
431	ok	0.74						
562	ok	2.84						
563	ok	2.45						
564	ok	2.20						
565	ok	2.01						
566	ok	1.86						
567	ok	1.71						
568	ok	1.55						
569	ok	1.36						
570	ok	1.12						
571	ok	0.85						
572	ok	0.64						
773	ok	0.65						
774	ok	0.92						

775	ok	1.19
776	ok	1.41
777	ok	1.59
778	ok	1.73
779	ok	1.83
780	ok	1.90
781	ok	1.93
782	ok	1.93
783	ok	1.93
784	ok	1.90
785	ok	1.83
786	ok	1.72
787	ok	1.57
788	ok	1.39
789	ok	1.15
790	ok	0.88
791	ok	0.62
792	ok	0.70
793	ok	2.84
794	ok	2.84
795	ok	2.45
796	ok	2.20
797	ok	2.01
798	ok	1.86
799	ok	1.71
800	ok	1.55
801	ok	1.36
802	ok	1.12
803	ok	0.85
804	ok	0.65
805	ok	2.27
806	ok	2.27
807	ok	1.85
808	ok	1.75
809	ok	1.62
810	ok	1.48
811	ok	1.32
812	ok	1.13
813	ok	0.90
814	ok	0.63
815	ok	0.41
816	ok	0.92
817	ok	1.98
818	ok	1.98
819	ok	1.45
820	ok	1.41
821	ok	1.32
822	ok	1.20
823	ok	1.05
824	ok	0.88
825	ok	0.67
826	ok	0.48
827	ok	0.72
828	ok	1.19
829	ok	1.70
830	ok	1.70
831	ok	1.15
832	ok	1.12
833	ok	1.06
834	ok	0.96
835	ok	0.84
836	ok	0.70
837	ok	0.56
838	ok	0.71
839	ok	0.97
840	ok	1.41
841	ok	1.43
842	ok	1.43
843	ok	0.91
844	ok	0.88
845	ok	0.83
846	ok	0.76
847	ok	0.67
848	ok	0.58
849	ok	0.70
850	ok	0.91
851	ok	1.18
852	ok	1.59

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853	ok	1.16
854	ok	1.16
855	ok	0.70
856	ok	0.67
857	ok	0.64
858	ok	0.60
859	ok	0.56
860	ok	0.66
861	ok	0.83
862	ok	1.06
863	ok	1.35
864	ok	1.73
865	ok	0.90
866	ok	0.90
867	ok	0.52
868	ok	0.49
869	ok	0.48
870	ok	0.49
871	ok	0.57
872	ok	0.73
873	ok	0.93
874	ok	1.17
875	ok	1.46
876	ok	1.83
877	ok	0.65
878	ok	0.65
879	ok	0.36
880	ok	0.34
881	ok	0.38
882	ok	0.45
883	ok	0.59
884	ok	0.78
885	ok	0.99
886	ok	1.25
887	ok	1.54
888	ok	1.90
889	ok	0.40
890	ok	0.40
891	ok	0.22
892	ok	0.23
893	ok	0.32
894	ok	0.44
895	ok	0.61
896	ok	0.80
897	ok	1.02
898	ok	1.28
899	ok	1.58
900	ok	1.93
901	ok	0.21
902	ok	0.21
903	ok	0.12
904	ok	0.16
905	ok	0.29
906	ok	0.44
907	ok	0.61
908	ok	0.80
909	ok	1.02
910	ok	1.28
911	ok	1.58
912	ok	1.93
913	ok	0.44
914	ok	0.44
915	ok	0.24
916	ok	0.24
917	ok	0.32
918	ok	0.44
919	ok	0.60
920	ok	0.80
921	ok	1.02
922	ok	1.28
923	ok	1.58
924	ok	1.93
925	ok	0.69
926	ok	0.69
927	ok	0.38
928	ok	0.36
929	ok	0.39
930	ok	0.45

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931	ok	0.59
932	ok	0.77
933	ok	0.99
934	ok	1.24
935	ok	1.54
936	ok	1.90
937	ok	0.94
938	ok	0.94
939	ok	0.54
940	ok	0.51
941	ok	0.49
942	ok	0.49
943	ok	0.56
944	ok	0.72
945	ok	0.92
946	ok	1.16
947	ok	1.45
948	ok	1.83
949	ok	1.21
950	ok	1.21
951	ok	0.72
952	ok	0.69
953	ok	0.66
954	ok	0.61
955	ok	0.57
956	ok	0.65
957	ok	0.82
958	ok	1.04
959	ok	1.33
960	ok	1.72
961	ok	1.47
962	ok	1.47
963	ok	0.93
964	ok	0.90
965	ok	0.85
966	ok	0.78
967	ok	0.69
968	ok	0.59
969	ok	0.69
970	ok	0.89
971	ok	1.16
972	ok	1.57
973	ok	1.75
974	ok	1.75
975	ok	1.18
976	ok	1.14
977	ok	1.08
978	ok	0.98
979	ok	0.86
980	ok	0.71
981	ok	0.55
982	ok	0.69
983	ok	0.94
984	ok	1.39
985	ok	2.03
986	ok	2.03
987	ok	1.47
988	ok	1.43
989	ok	1.35
990	ok	1.23
991	ok	1.08
992	ok	0.89
993	ok	0.68
994	ok	0.46
995	ok	0.68
996	ok	1.15
997	ok	2.33
998	ok	2.33
999	ok	1.84
1000	ok	1.78
1001	ok	1.67
1002	ok	1.52
1003	ok	1.34
1004	ok	1.14
1005	ok	0.91
1006	ok	0.64
1007	ok	0.36
1008	ok	0.88

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1009	ok	2.66
1010	ok	2.66
1011	ok	2.33
1012	ok	2.20
1013	ok	2.02
1014	ok	1.84
1015	ok	1.65
1016	ok	1.44
1017	ok	1.20
1018	ok	0.93
1019	ok	0.64
1020	ok	0.62
1021	ok	3.18
1022	ok	3.18
1023	ok	3.08
1024	ok	2.69
1025	ok	2.39
1026	ok	2.16
1027	ok	1.97
1028	ok	1.77
1029	ok	1.54
1030	ok	1.28
1031	ok	1.00
1032	ok	0.74
1306	ok	2.84
1307	ok	0.64
1438	ok	2.84
1439	ok	2.45
1440	ok	2.20
1441	ok	2.01
1442	ok	1.86
1443	ok	1.71
1444	ok	1.55
1445	ok	1.36
1446	ok	1.12
1447	ok	0.85
1448	ok	0.64
1649	ok	0.70
1650	ok	0.62
1651	ok	0.88
1652	ok	1.15
1653	ok	1.39
1654	ok	1.57
1655	ok	1.72
1656	ok	1.83
1657	ok	1.90
1658	ok	1.93
1659	ok	1.93
1660	ok	1.93
1661	ok	1.90
1662	ok	1.83
1663	ok	1.73
1664	ok	1.59
1665	ok	1.41
1666	ok	1.19
1667	ok	0.92
1668	ok	0.65
1669	ok	3.18
1670	ok	3.18
1671	ok	3.08
1672	ok	2.69
1673	ok	2.39
1674	ok	2.16
1675	ok	1.97
1676	ok	1.77
1677	ok	1.54
1678	ok	1.28
1679	ok	1.00
1680	ok	0.74
1681	ok	2.66
1682	ok	2.66
1683	ok	2.33
1684	ok	2.20
1685	ok	2.02
1686	ok	1.84
1687	ok	1.65
1688	ok	1.44
1689	ok	1.20

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1690	ok	0.93
1691	ok	0.64
1692	ok	0.62
1693	ok	2.33
1694	ok	2.33
1695	ok	1.84
1696	ok	1.78
1697	ok	1.67
1698	ok	1.52
1699	ok	1.34
1700	ok	1.14
1701	ok	0.91
1702	ok	0.64
1703	ok	0.36
1704	ok	0.88
1705	ok	2.03
1706	ok	2.03
1707	ok	1.47
1708	ok	1.43
1709	ok	1.35
1710	ok	1.23
1711	ok	1.08
1712	ok	0.89
1713	ok	0.68
1714	ok	0.46
1715	ok	0.68
1716	ok	1.15
1717	ok	1.75
1718	ok	1.75
1719	ok	1.18
1720	ok	1.14
1721	ok	1.08
1722	ok	0.98
1723	ok	0.86
1724	ok	0.71
1725	ok	0.55
1726	ok	0.69
1727	ok	0.94
1728	ok	1.39
1729	ok	1.47
1730	ok	1.47
1731	ok	0.93
1732	ok	0.90
1733	ok	0.85
1734	ok	0.78
1735	ok	0.69
1736	ok	0.59
1737	ok	0.69
1738	ok	0.89
1739	ok	1.16
1740	ok	1.57
1741	ok	1.21
1742	ok	1.21
1743	ok	0.72
1744	ok	0.69
1745	ok	0.66
1746	ok	0.61
1747	ok	0.57
1748	ok	0.65
1749	ok	0.82
1750	ok	1.04
1751	ok	1.33
1752	ok	1.72
1753	ok	0.94
1754	ok	0.94
1755	ok	0.54
1756	ok	0.51
1757	ok	0.49
1758	ok	0.49
1759	ok	0.56
1760	ok	0.72
1761	ok	0.92
1762	ok	1.16
1763	ok	1.45
1764	ok	1.83
1765	ok	0.69
1766	ok	0.69
1767	ok	0.38

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1768	ok	0.36
1769	ok	0.39
1770	ok	0.45
1771	ok	0.59
1772	ok	0.77
1773	ok	0.99
1774	ok	1.24
1775	ok	1.54
1776	ok	1.90
1777	ok	0.44
1778	ok	0.44
1779	ok	0.24
1780	ok	0.24
1781	ok	0.32
1782	ok	0.44
1783	ok	0.60
1784	ok	0.80
1785	ok	1.02
1786	ok	1.28
1787	ok	1.58
1788	ok	1.93
1789	ok	0.21
1790	ok	0.21
1791	ok	0.12
1792	ok	0.16
1793	ok	0.29
1794	ok	0.44
1795	ok	0.61
1796	ok	0.80
1797	ok	1.02
1798	ok	1.28
1799	ok	1.58
1800	ok	1.93
1801	ok	0.40
1802	ok	0.40
1803	ok	0.22
1804	ok	0.23
1805	ok	0.32
1806	ok	0.44
1807	ok	0.61
1808	ok	0.80
1809	ok	1.02
1810	ok	1.28
1811	ok	1.58
1812	ok	1.93
1813	ok	0.65
1814	ok	0.65
1815	ok	0.36
1816	ok	0.34
1817	ok	0.38
1818	ok	0.45
1819	ok	0.59
1820	ok	0.78
1821	ok	0.99
1822	ok	1.25
1823	ok	1.54
1824	ok	1.90
1825	ok	0.90
1826	ok	0.90
1827	ok	0.52
1828	ok	0.49
1829	ok	0.48
1830	ok	0.49
1831	ok	0.57
1832	ok	0.73
1833	ok	0.93
1834	ok	1.17
1835	ok	1.46
1836	ok	1.83
1837	ok	1.16
1838	ok	1.16
1839	ok	0.70
1840	ok	0.67
1841	ok	0.64
1842	ok	0.60
1843	ok	0.56
1844	ok	0.66
1845	ok	0.83

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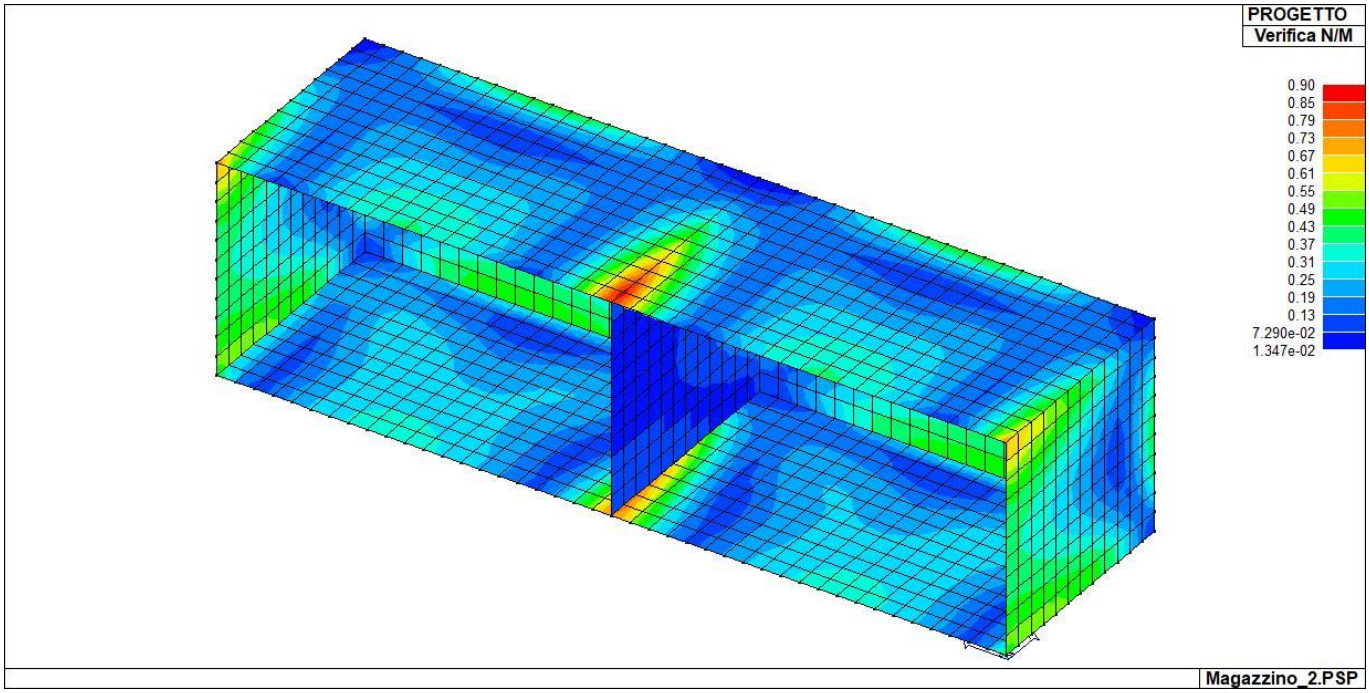
1846	ok	1.06						
1847	ok	1.35						
1848	ok	1.73						
1849	ok	1.43						
1850	ok	1.43						
1851	ok	0.91						
1852	ok	0.88						
1853	ok	0.83						
1854	ok	0.76						
1855	ok	0.67						
1856	ok	0.58						
1857	ok	0.70						
1858	ok	0.91						
1859	ok	1.18						
1860	ok	1.59						
1861	ok	1.70						
1862	ok	1.70						
1863	ok	1.15						
1864	ok	1.12						
1865	ok	1.06						
1866	ok	0.96						
1867	ok	0.84						
1868	ok	0.70						
1869	ok	0.56						
1870	ok	0.71						
1871	ok	0.97						
1872	ok	1.41						
1873	ok	1.98						
1874	ok	1.98						
1875	ok	1.45						
1876	ok	1.41						
1877	ok	1.32						
1878	ok	1.20						
1879	ok	1.05						
1880	ok	0.88						
1881	ok	0.67						
1882	ok	0.48						
1883	ok	0.72						
1884	ok	1.19						
1885	ok	2.27						
1886	ok	2.27						
1887	ok	1.85						
1888	ok	1.75						
1889	ok	1.62						
1890	ok	1.48						
1891	ok	1.32						
1892	ok	1.13						
1893	ok	0.90						
1894	ok	0.63						
1895	ok	0.41						
1896	ok	0.92						
1897	ok	2.84						
1898	ok	2.84						
1899	ok	2.45						
1900	ok	2.20						
1901	ok	2.01						
1902	ok	1.86						
1903	ok	1.71						
1904	ok	1.55						
1905	ok	1.36						
1906	ok	1.12						
1907	ok	0.85						
1908	ok	0.65						

Nodo		Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		3.18						



PRO_CA_D3_VER_NM

09.16 Stati limite d'esercizio

09.16.1 Legenda tabella stati limite d'esercizio

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

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

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

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

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

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

pilastri	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
travi	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata

setti e gusci	**rRfck** **wR**	**rRfyk** **wF**	**rPfck** **wP**	massimi nei nodi dell'elemento massimi nei nodi dell'elemento

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

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
253	0.02	0.05	0.02	70,70,74	0.0	0.0	0.0	0,0,0
254	0.01	0.03	0.02	70,70,74	0.0	0.0	0.0	0,0,0
255	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
256	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
257	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
258	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
259	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
260	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
261	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
262	0.01	0.03	0.01	70,70,74	0.0	0.0	0.0	0,0,0
263	7.89e-03	0.05	0.01	70,70,74	0.0	0.0	0.0	0,0,0
264	3.75e-03	0.09	4.92e-03	70,70,74	0.0	0.0	0.0	0,0,0
265	0.01	0.02	0.02	70,70,74	0.0	0.0	0.0	0,0,0
266	0.01	0.02	0.02	70,69,74	0.0	0.0	0.0	0,0,0
267	0.01	0.02	0.02	70,69,74	0.0	0.0	0.0	0,0,0
268	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
269	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
270	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
271	0.01	0.03	0.02	70,70,74	0.0	0.0	0.0	0,0,0
272	0.01	0.04	0.02	70,70,74	0.0	0.0	0.0	0,0,0
273	0.01	0.06	0.02	70,70,74	0.0	0.0	0.0	0,0,0
274	9.98e-03	0.08	0.01	70,70,74	0.0	0.0	0.0	0,0,0
275	6.92e-03	0.10	8.96e-03	70,70,74	0.0	0.0	0.0	0,0,0
276	2.91e-03	0.13	3.82e-03	70,70,74	0.0	0.0	0.0	0,0,0
277	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
278	0.01	0.02	0.02	70,70,74	0.0	0.0	0.0	0,0,0
279	0.01	0.02	0.02	70,70,74	0.0	0.0	0.0	0,0,0
280	0.01	0.03	0.02	70,70,74	0.0	0.0	0.0	0,0,0
281	0.01	0.04	0.02	70,70,74	0.0	0.0	0.0	0,0,0
282	0.01	0.05	0.02	70,70,74	0.0	0.0	0.0	0,0,0
283	0.01	0.06	0.02	70,70,74	0.0	0.0	0.0	0,0,0
284	0.01	0.08	0.02	70,70,74	0.0	0.0	0.0	0,0,0
285	0.01	0.09	0.01	70,70,74	0.0	0.0	0.0	0,0,0
286	9.04e-03	0.11	0.01	70,70,74	0.0	0.0	0.0	0,0,0
287	6.24e-03	0.13	8.05e-03	70,70,74	0.0	0.0	0.0	0,0,0
288	2.74e-03	0.15	3.60e-03	70,70,74	0.0	0.0	0.0	0,0,0
289	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
290	0.01	0.02	0.02	70,70,74	0.0	0.0	0.0	0,0,0
291	0.01	0.03	0.02	70,70,74	0.0	0.0	0.0	0,0,0
292	0.01	0.04	0.02	70,70,74	0.0	0.0	0.0	0,0,0
293	0.01	0.05	0.02	70,70,74	0.0	0.0	0.0	0,0,0
294	0.01	0.06	0.02	70,70,74	0.0	0.0	0.0	0,0,0
295	0.01	0.08	0.02	70,70,74	0.0	0.0	0.0	0,0,0
296	0.01	0.10	0.01	70,70,74	0.0	0.0	0.0	0,0,0
297	0.01	0.11	0.01	70,70,74	0.0	0.0	0.0	0,0,0
298	8.18e-03	0.13	0.01	70,70,74	0.0	0.0	0.0	0,0,0
299	5.63e-03	0.14	7.26e-03	70,70,74	0.0	0.0	0.0	0,0,0
300	2.57e-03	0.16	3.37e-03	70,70,74	0.0	0.0	0.0	0,0,0
301	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
302	0.01	0.02	0.02	70,70,74	0.0	0.0	0.0	0,0,0
303	0.01	0.03	0.02	70,70,74	0.0	0.0	0.0	0,0,0
304	0.01	0.04	0.02	70,70,74	0.0	0.0	0.0	0,0,0
305	0.01	0.06	0.02	70,70,74	0.0	0.0	0.0	0,0,0
306	0.01	0.07	0.02	70,70,74	0.0	0.0	0.0	0,0,0
307	0.01	0.09	0.01	70,70,74	0.0	0.0	0.0	0,0,0
308	0.01	0.10	0.01	70,70,74	0.0	0.0	0.0	0,0,0
309	9.25e-03	0.12	0.01	70,70,74	0.0	0.0	0.0	0,0,0
310	7.43e-03	0.13	9.48e-03	70,70,74	0.0	0.0	0.0	0,0,0
311	5.11e-03	0.15	6.56e-03	70,70,74	0.0	0.0	0.0	0,0,0
312	2.44e-03	0.16	3.19e-03	70,70,74	0.0	0.0	0.0	0,0,0
313	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
314	0.01	0.02	0.02	70,70,74	0.0	0.0	0.0	0,0,0
315	0.01	0.03	0.02	70,70,74	0.0	0.0	0.0	0,0,0
316	0.01	0.04	0.02	70,70,74	0.0	0.0	0.0	0,0,0
317	0.01	0.06	0.02	70,70,74	0.0	0.0	0.0	0,0,0
318	0.01	0.07	0.01	70,70,74	0.0	0.0	0.0	0,0,0
319	0.01	0.09	0.01	70,70,74	0.0	0.0	0.0	0,0,0
320	9.80e-03	0.11	0.01	70,70,74	0.0	0.0	0.0	0,0,0
321	8.49e-03	0.12	0.01	70,70,74	0.0	0.0	0.0	0,0,0
322	6.80e-03	0.14	8.65e-03	70,70,74	0.0	0.0	0.0	0,0,0
323	4.69e-03	0.15	6.01e-03	70,70,74	0.0	0.0	0.0	0,0,0
324	2.39e-03	0.16	3.12e-03	70,70,74	0.0	0.0	0.0	0,0,0
325	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
326	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0

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327	0.01	0.03	0.02	70,70,74	0.0	0.0	0.0	0,0,0
328	0.01	0.04	0.02	70,70,74	0.0	0.0	0.0	0,0,0
329	0.01	0.06	0.01	70,70,74	0.0	0.0	0.0	0,0,0
330	0.01	0.07	0.01	70,70,74	0.0	0.0	0.0	0,0,0
331	0.01	0.09	0.01	70,70,74	0.0	0.0	0.0	0,0,0
332	9.07e-03	0.10	0.01	70,70,74	0.0	0.0	0.0	0,0,0
333	7.84e-03	0.12	9.89e-03	70,70,74	0.0	0.0	0.0	0,0,0
334	6.31e-03	0.14	7.99e-03	70,70,74	0.0	0.0	0.0	0,0,0
335	4.53e-03	0.15	5.77e-03	70,70,74	0.0	0.0	0.0	0,0,0
336	2.48e-03	0.16	3.21e-03	70,70,74	0.0	0.0	0.0	0,0,0
337	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
338	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
339	0.01	0.02	0.02	70,70,74	0.0	0.0	0.0	0,0,0
340	0.01	0.04	0.01	70,70,74	0.0	0.0	0.0	0,0,0
341	0.01	0.05	0.01	70,70,74	0.0	0.0	0.0	0,0,0
342	0.01	0.06	0.01	70,70,74	0.0	0.0	0.0	0,0,0
343	9.35e-03	0.08	0.01	70,70,74	0.0	0.0	0.0	0,0,0
344	8.42e-03	0.10	0.01	70,70,74	0.0	0.0	0.0	0,0,0
345	7.30e-03	0.12	9.17e-03	70,70,74	0.0	0.0	0.0	0,0,0
346	5.95e-03	0.13	7.50e-03	70,70,74	0.0	0.0	0.0	0,0,0
347	4.53e-03	0.15	5.74e-03	70,70,74	0.0	0.0	0.0	0,0,0
348	2.76e-03	0.16	3.54e-03	70,70,74	0.0	0.0	0.0	0,0,0
349	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
350	0.01	0.01	0.02	70,70,74	0.0	0.0	0.0	0,0,0
351	0.01	0.02	0.01	70,70,74	0.0	0.0	0.0	0,0,0
352	0.01	0.03	0.01	70,70,74	0.0	0.0	0.0	0,0,0
353	0.01	0.04	0.01	70,70,74	0.0	0.0	0.0	0,0,0
354	9.49e-03	0.06	0.01	70,70,74	0.0	0.0	0.0	0,0,0
355	8.69e-03	0.07	0.01	70,70,74	0.0	0.0	0.0	0,0,0
356	7.83e-03	0.09	9.76e-03	70,70,74	0.0	0.0	0.0	0,0,0
357	6.84e-03	0.10	8.55e-03	70,70,74	0.0	0.0	0.0	0,0,0
358	5.68e-03	0.12	7.13e-03	70,70,74	0.0	0.0	0.0	0,0,0
359	4.61e-03	0.14	5.81e-03	70,70,74	0.0	0.0	0.0	0,0,0
360	3.30e-03	0.16	4.20e-03	70,70,74	0.0	0.0	0.0	0,0,0
361	0.01	0.02	0.02	70,70,74	0.0	0.0	0.0	0,0,0
362	0.01	0.03	0.02	70,70,74	0.0	0.0	0.0	0,0,0
363	0.01	0.02	0.01	70,70,74	0.0	0.0	0.0	0,0,0
364	0.01	0.02	0.01	70,70,74	0.0	0.0	0.0	0,0,0
365	9.63e-03	0.03	0.01	70,70,74	0.0	0.0	0.0	0,0,0
366	8.81e-03	0.04	0.01	70,70,74	0.0	0.0	0.0	0,0,0
367	8.08e-03	0.06	0.01	70,70,74	0.0	0.0	0.0	0,0,0
368	7.30e-03	0.07	9.06e-03	70,70,74	0.0	0.0	0.0	0,0,0
369	6.42e-03	0.09	7.99e-03	70,70,74	0.0	0.0	0.0	0,0,0
370	5.45e-03	0.10	6.81e-03	70,70,74	0.0	0.0	0.0	0,0,0
371	4.59e-03	0.12	5.75e-03	70,70,74	0.0	0.0	0.0	0,0,0
372	4.00e-03	0.14	5.04e-03	70,70,74	0.0	0.0	0.0	0,0,0
373	0.02	0.09	0.02	70,70,74	0.0	0.0	0.0	0,0,0
374	0.01	0.04	0.02	70,70,74	0.0	0.0	0.0	0,0,0
375	0.01	0.01	0.01	70,70,74	0.0	0.0	0.0	0,0,0
376	9.94e-03	9.76e-03	0.01	70,69,74	0.0	0.0	0.0	0,0,0
377	8.88e-03	0.02	0.01	70,70,74	0.0	0.0	0.0	0,0,0
378	8.18e-03	0.03	0.01	70,70,74	0.0	0.0	0.0	0,0,0
379	7.56e-03	0.04	9.31e-03	70,70,74	0.0	0.0	0.0	0,0,0
380	6.87e-03	0.05	8.48e-03	70,70,74	0.0	0.0	0.0	0,0,0
381	6.09e-03	0.06	7.53e-03	70,70,74	0.0	0.0	0.0	0,0,0
382	5.25e-03	0.07	6.52e-03	70,70,74	0.0	0.0	0.0	0,0,0
383	4.72e-03	0.09	5.93e-03	70,70,74	0.0	0.0	0.0	0,0,0
384	5.03e-03	0.10	6.37e-03	70,70,74	0.0	0.0	0.0	0,0,0
385	0.11	0.36	0.14	70,70,74	0.0	0.0	0.0	0,0,0
386	0.11	0.36	0.13	70,70,74	0.0	0.0	0.0	0,0,0
387	0.11	0.37	0.14	70,70,74	0.0	0.0	0.0	0,0,0
388	0.11	0.37	0.14	70,70,74	0.0	0.0	0.0	0,0,0
389	0.11	0.38	0.13	70,70,74	0.0	0.0	0.0	0,0,0
390	0.10	0.38	0.13	70,70,74	0.0	0.0	0.0	0,0,0
391	0.10	0.38	0.13	70,70,74	0.0	0.0	0.0	0,0,0
392	0.09	0.37	0.12	70,70,74	0.0	0.0	0.0	0,0,0
393	0.09	0.35	0.11	70,70,74	0.0	0.0	0.0	0,0,0
394	0.07	0.32	0.09	70,70,74	0.0	0.0	0.0	0,0,0
395	0.05	0.26	0.07	70,70,74	0.0	0.0	0.0	0,0,0
396	0.03	0.20	0.03	70,70,74	0.0	0.0	0.0	0,0,0
397	0.11	0.34	0.13	70,70,74	0.0	0.0	0.0	0,0,0
398	0.10	0.34	0.13	70,70,74	0.0	0.0	0.0	0,0,0
399	0.10	0.35	0.13	70,70,74	0.0	0.0	0.0	0,0,0
400	0.10	0.36	0.13	70,70,74	0.0	0.0	0.0	0,0,0
401	0.10	0.36	0.12	70,70,74	0.0	0.0	0.0	0,0,0
402	0.10	0.36	0.12	70,70,74	0.0	0.0	0.0	0,0,0
403	0.09	0.36	0.12	70,70,74	0.0	0.0	0.0	0,0,0
404	0.09	0.34	0.11	70,70,74	0.0	0.0	0.0	0,0,0

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405	0.08	0.32	0.10	70,70,74	0.0	0.0	0.0	0,0,0
406	0.07	0.28	0.08	70,70,74	0.0	0.0	0.0	0,0,0
407	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
408	0.05	0.33	0.06	70,70,74	0.0	0.0	0.0	0,0,0
409	0.10	0.30	0.12	70,70,74	0.0	0.0	0.0	0,0,0
410	0.09	0.29	0.12	70,70,74	0.0	0.0	0.0	0,0,0
411	0.09	0.30	0.12	70,70,74	0.0	0.0	0.0	0,0,0
412	0.09	0.30	0.11	70,70,74	0.0	0.0	0.0	0,0,0
413	0.09	0.31	0.11	70,70,74	0.0	0.0	0.0	0,0,0
414	0.08	0.30	0.10	70,70,74	0.0	0.0	0.0	0,0,0
415	0.08	0.30	0.10	70,70,74	0.0	0.0	0.0	0,0,0
416	0.07	0.28	0.09	70,70,74	0.0	0.0	0.0	0,0,0
417	0.06	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
418	0.05	0.21	0.06	70,70,74	0.0	0.0	0.0	0,0,0
419	0.03	0.27	0.04	70,70,74	0.0	0.0	0.0	0,0,0
420	0.06	0.41	0.08	70,70,74	0.0	0.0	0.0	0,0,0
421	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
422	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
423	0.08	0.25	0.10	70,70,74	0.0	0.0	0.0	0,0,0
424	0.08	0.25	0.10	70,70,74	0.0	0.0	0.0	0,0,0
425	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
426	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
427	0.06	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
428	0.05	0.22	0.07	70,70,74	0.0	0.0	0.0	0,0,0
429	0.04	0.19	0.05	70,70,74	0.0	0.0	0.0	0,0,0
430	0.03	0.20	0.04	70,70,74	0.0	0.0	0.0	0,0,0
431	0.04	0.30	0.05	70,70,74	0.0	0.0	0.0	0,0,0
432	0.07	0.44	0.09	70,70,74	0.0	0.0	0.0	0,0,0
433	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
434	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
435	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
436	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
437	0.06	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
438	0.06	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
439	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
440	0.04	0.16	0.05	70,70,74	0.0	0.0	0.0	0,0,0
441	0.03	0.13	0.04	70,70,74	0.0	0.0	0.0	0,0,0
442	0.02	0.21	0.03	70,70,74	0.0	0.0	0.0	0,0,0
443	0.04	0.31	0.06	70,70,74	0.0	0.0	0.0	0,0,0
444	0.07	0.44	0.09	70,70,74	0.0	0.0	0.0	0,0,0
445	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
446	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
447	0.07	0.18	0.09	70,70,74	0.0	0.0	0.0	0,0,0
448	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
449	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
450	0.05	0.15	0.06	70,70,74	0.0	0.0	0.0	0,0,0
451	0.04	0.14	0.05	70,70,74	0.0	0.0	0.0	0,0,0
452	0.03	0.12	0.04	70,70,74	0.0	0.0	0.0	0,0,0
453	0.02	0.13	0.03	70,70,74	0.0	0.0	0.0	0,0,0
454	0.02	0.21	0.03	70,70,74	0.0	0.0	0.0	0,0,0
455	0.04	0.31	0.06	70,70,74	0.0	0.0	0.0	0,0,0
456	0.07	0.44	0.09	70,70,74	0.0	0.0	0.0	0,0,0
457	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
458	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
459	0.08	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
460	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
461	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
462	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
463	0.05	0.15	0.06	70,70,74	0.0	0.0	0.0	0,0,0
464	0.04	0.13	0.05	70,70,74	0.0	0.0	0.0	0,0,0
465	0.03	0.13	0.04	70,70,74	0.0	0.0	0.0	0,0,0
466	0.03	0.21	0.03	70,70,74	0.0	0.0	0.0	0,0,0
467	0.04	0.31	0.06	70,70,74	0.0	0.0	0.0	0,0,0
468	0.07	0.43	0.09	70,70,74	0.0	0.0	0.0	0,0,0
469	0.09	0.28	0.11	70,70,74	0.0	0.0	0.0	0,0,0
470	0.09	0.27	0.11	70,70,74	0.0	0.0	0.0	0,0,0
471	0.09	0.26	0.11	70,70,74	0.0	0.0	0.0	0,0,0
472	0.08	0.25	0.10	70,70,74	0.0	0.0	0.0	0,0,0
473	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
474	0.07	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
475	0.06	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
476	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
477	0.04	0.15	0.05	70,70,74	0.0	0.0	0.0	0,0,0
478	0.03	0.21	0.04	70,70,74	0.0	0.0	0.0	0,0,0
479	0.04	0.30	0.05	70,70,74	0.0	0.0	0.0	0,0,0
480	0.07	0.41	0.08	70,70,74	0.0	0.0	0.0	0,0,0
481	0.11	0.36	0.13	70,70,74	0.0	0.0	0.0	0,0,0
482	0.11	0.35	0.13	70,70,74	0.0	0.0	0.0	0,0,0

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483	0.10	0.33	0.12	70,70,74	0.0	0.0	0.0	0,0,0
484	0.09	0.32	0.12	70,70,74	0.0	0.0	0.0	0,0,0
485	0.09	0.31	0.11	70,70,74	0.0	0.0	0.0	0,0,0
486	0.08	0.29	0.10	70,70,74	0.0	0.0	0.0	0,0,0
487	0.07	0.27	0.09	70,70,74	0.0	0.0	0.0	0,0,0
488	0.06	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
489	0.05	0.21	0.06	70,70,74	0.0	0.0	0.0	0,0,0
490	0.04	0.19	0.05	70,70,74	0.0	0.0	0.0	0,0,0
491	0.04	0.27	0.05	70,70,74	0.0	0.0	0.0	0,0,0
492	0.06	0.36	0.07	70,70,74	0.0	0.0	0.0	0,0,0
493	0.13	0.45	0.16	70,70,74	0.0	0.0	0.0	0,0,0
494	0.13	0.43	0.15	70,70,74	0.0	0.0	0.0	0,0,0
495	0.12	0.41	0.14	70,70,74	0.0	0.0	0.0	0,0,0
496	0.11	0.40	0.13	70,70,74	0.0	0.0	0.0	0,0,0
497	0.10	0.38	0.12	70,70,74	0.0	0.0	0.0	0,0,0
498	0.09	0.36	0.11	70,70,74	0.0	0.0	0.0	0,0,0
499	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
500	0.07	0.30	0.09	70,70,74	0.0	0.0	0.0	0,0,0
501	0.06	0.26	0.08	70,70,74	0.0	0.0	0.0	0,0,0
502	0.05	0.21	0.06	70,70,74	0.0	0.0	0.0	0,0,0
503	0.03	0.22	0.04	70,70,74	0.0	0.0	0.0	0,0,0
504	0.04	0.28	0.05	70,70,74	0.0	0.0	0.0	0,0,0
505	0.14	0.53	0.18	70,70,74	0.0	0.0	0.0	0,0,0
506	0.14	0.48	0.17	70,70,74	0.0	0.0	0.0	0,0,0
507	0.12	0.46	0.15	70,70,74	0.0	0.0	0.0	0,0,0
508	0.11	0.43	0.14	70,70,74	0.0	0.0	0.0	0,0,0
509	0.10	0.41	0.13	70,70,74	0.0	0.0	0.0	0,0,0
510	0.10	0.39	0.12	70,70,74	0.0	0.0	0.0	0,0,0
511	0.09	0.37	0.11	70,70,74	0.0	0.0	0.0	0,0,0
512	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
513	0.07	0.30	0.08	70,70,74	0.0	0.0	0.0	0,0,0
514	0.05	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
515	0.04	0.19	0.05	70,70,74	0.0	0.0	0.0	0,0,0
516	0.03	0.16	0.04	70,70,74	0.0	0.0	0.0	0,0,0
517	0.03	0.22	0.03	70,70,74	0.0	0.0	0.0	0,0,0
518	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
519	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
520	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
521	0.09	0.28	0.11	70,70,74	0.0	0.0	0.0	0,0,0
522	0.10	0.28	0.12	70,70,74	0.0	0.0	0.0	0,0,0
523	0.10	0.29	0.13	70,70,74	0.0	0.0	0.0	0,0,0
524	0.10	0.30	0.13	70,70,74	0.0	0.0	0.0	0,0,0
525	0.11	0.30	0.14	70,70,74	0.0	0.0	0.0	0,0,0
526	0.11	0.30	0.14	70,70,74	0.0	0.0	0.0	0,0,0
527	0.10	0.30	0.13	70,70,74	0.0	0.0	0.0	0,0,0
528	0.10	0.29	0.13	70,70,74	0.0	0.0	0.0	0,0,0
529	0.10	0.28	0.13	70,70,74	0.0	0.0	0.0	0,0,0
530	0.09	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
531	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
532	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
533	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
534	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
535	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
536	0.03	0.10	0.04	70,70,74	0.0	0.0	0.0	0,0,0
537	0.02	0.08	0.02	70,70,74	0.0	0.0	0.0	0,0,0
538	0.05	0.35	0.06	70,70,74	0.0	0.0	0.0	0,0,0
539	0.04	0.25	0.06	70,70,74	0.0	0.0	0.0	0,0,0
540	0.06	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
541	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
542	0.08	0.25	0.10	70,70,74	0.0	0.0	0.0	0,0,0
543	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
544	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
545	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
546	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
547	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
548	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
549	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
550	0.08	0.22	0.11	70,70,74	0.0	0.0	0.0	0,0,0
551	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
552	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
553	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
554	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
555	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
556	0.04	0.11	0.05	70,70,74	0.0	0.0	0.0	0,0,0
557	0.03	0.09	0.04	70,70,74	0.0	0.0	0.0	0,0,0
558	0.03	0.07	0.04	70,70,74	0.0	0.0	0.0	0,0,0
559	0.06	0.42	0.08	70,70,74	0.0	0.0	0.0	0,0,0
560	0.03	0.30	0.04	70,70,74	0.0	0.0	0.0	0,0,0

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561	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
562	0.05	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
563	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
564	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
565	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
566	0.07	0.18	0.09	70,70,74	0.0	0.0	0.0	0,0,0
567	0.07	0.18	0.09	70,70,74	0.0	0.0	0.0	0,0,0
568	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
569	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
570	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
571	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
572	0.07	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
573	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
574	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
575	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
576	0.04	0.11	0.05	70,70,74	0.0	0.0	0.0	0,0,0
577	0.03	0.09	0.04	70,70,74	0.0	0.0	0.0	0,0,0
578	0.03	0.07	0.04	70,70,74	0.0	0.0	0.0	0,0,0
579	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
580	0.07	0.44	0.09	70,70,74	0.0	0.0	0.0	0,0,0
581	0.04	0.33	0.05	70,70,74	0.0	0.0	0.0	0,0,0
582	0.03	0.23	0.03	70,70,74	0.0	0.0	0.0	0,0,0
583	0.04	0.14	0.05	70,70,74	0.0	0.0	0.0	0,0,0
584	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
585	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
586	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
587	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
588	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
589	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
590	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
591	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
592	0.06	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
593	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
594	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
595	0.05	0.12	0.06	70,70,74	0.0	0.0	0.0	0,0,0
596	0.04	0.10	0.05	70,70,74	0.0	0.0	0.0	0,0,0
597	0.03	0.08	0.04	70,70,74	0.0	0.0	0.0	0,0,0
598	0.02	0.06	0.03	70,70,74	0.0	0.0	0.0	0,0,0
599	0.03	0.10	0.04	70,70,74	0.0	0.0	0.0	0,0,0
600	0.06	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
601	0.07	0.45	0.09	70,70,74	0.0	0.0	0.0	0,0,0
602	0.04	0.33	0.06	70,70,74	0.0	0.0	0.0	0,0,0
603	0.02	0.23	0.02	70,70,74	0.0	0.0	0.0	0,0,0
604	0.03	0.15	0.03	70,70,74	0.0	0.0	0.0	0,0,0
605	0.03	0.15	0.04	70,70,74	0.0	0.0	0.0	0,0,0
606	0.04	0.17	0.05	70,70,74	0.0	0.0	0.0	0,0,0
607	0.05	0.19	0.06	70,70,74	0.0	0.0	0.0	0,0,0
608	0.05	0.19	0.06	70,70,74	0.0	0.0	0.0	0,0,0
609	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
610	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
611	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
612	0.05	0.19	0.06	70,70,74	0.0	0.0	0.0	0,0,0
613	0.05	0.17	0.06	70,70,74	0.0	0.0	0.0	0,0,0
614	0.05	0.16	0.06	70,70,74	0.0	0.0	0.0	0,0,0
615	0.04	0.13	0.05	70,70,74	0.0	0.0	0.0	0,0,0
616	0.04	0.10	0.05	70,70,74	0.0	0.0	0.0	0,0,0
617	0.03	0.08	0.04	70,70,74	0.0	0.0	0.0	0,0,0
618	0.02	0.06	0.03	70,70,74	0.0	0.0	0.0	0,0,0
619	0.02	0.07	0.03	70,70,74	0.0	0.0	0.0	0,0,0
620	0.04	0.14	0.05	70,70,74	0.0	0.0	0.0	0,0,0
621	0.06	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
622	0.07	0.45	0.09	70,70,74	0.0	0.0	0.0	0,0,0
623	0.04	0.33	0.06	70,70,74	0.0	0.0	0.0	0,0,0
624	0.02	0.23	0.03	70,70,74	0.0	0.0	0.0	0,0,0
625	0.02	0.15	0.02	70,70,74	0.0	0.0	0.0	0,0,0
626	0.03	0.17	0.03	70,70,74	0.0	0.0	0.0	0,0,0
627	0.03	0.19	0.04	70,70,74	0.0	0.0	0.0	0,0,0
628	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
629	0.04	0.22	0.05	70,70,74	0.0	0.0	0.0	0,0,0
630	0.04	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
631	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
632	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
633	0.05	0.21	0.06	70,70,74	0.0	0.0	0.0	0,0,0
634	0.04	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
635	0.04	0.18	0.05	70,70,74	0.0	0.0	0.0	0,0,0
636	0.04	0.16	0.05	70,70,74	0.0	0.0	0.0	0,0,0
637	0.03	0.12	0.04	70,70,74	0.0	0.0	0.0	0,0,0
638	0.03	0.09	0.03	70,70,74	0.0	0.0	0.0	0,0,0

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639	0.02	0.06	0.03	70,70,74	0.0	0.0	0.0	0,0,0
640	0.02	0.11	0.03	70,70,74	0.0	0.0	0.0	0,0,0
641	0.04	0.18	0.05	70,70,74	0.0	0.0	0.0	0,0,0
642	0.06	0.27	0.08	70,70,74	0.0	0.0	0.0	0,0,0
643	0.07	0.44	0.09	70,70,74	0.0	0.0	0.0	0,0,0
644	0.04	0.32	0.05	70,70,74	0.0	0.0	0.0	0,0,0
645	0.02	0.22	0.03	70,70,74	0.0	0.0	0.0	0,0,0
646	0.02	0.16	0.03	70,70,74	0.0	0.0	0.0	0,0,0
647	0.03	0.19	0.04	70,70,74	0.0	0.0	0.0	0,0,0
648	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
649	0.04	0.23	0.05	70,70,74	0.0	0.0	0.0	0,0,0
650	0.05	0.24	0.06	70,70,74	0.0	0.0	0.0	0,0,0
651	0.05	0.24	0.06	70,70,74	0.0	0.0	0.0	0,0,0
652	0.05	0.24	0.06	70,70,74	0.0	0.0	0.0	0,0,0
653	0.05	0.24	0.06	70,70,74	0.0	0.0	0.0	0,0,0
654	0.05	0.23	0.06	70,70,74	0.0	0.0	0.0	0,0,0
655	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
656	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
657	0.04	0.18	0.05	70,70,74	0.0	0.0	0.0	0,0,0
658	0.04	0.15	0.05	70,70,74	0.0	0.0	0.0	0,0,0
659	0.03	0.12	0.04	70,70,74	0.0	0.0	0.0	0,0,0
660	0.02	0.11	0.03	70,70,74	0.0	0.0	0.0	0,0,0
661	0.02	0.16	0.03	70,70,74	0.0	0.0	0.0	0,0,0
662	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
663	0.06	0.29	0.07	70,70,74	0.0	0.0	0.0	0,0,0
664	0.07	0.41	0.08	70,70,74	0.0	0.0	0.0	0,0,0
665	0.04	0.29	0.05	70,70,74	0.0	0.0	0.0	0,0,0
666	0.02	0.20	0.03	70,70,74	0.0	0.0	0.0	0,0,0
667	0.03	0.18	0.04	70,70,74	0.0	0.0	0.0	0,0,0
668	0.04	0.22	0.05	70,70,74	0.0	0.0	0.0	0,0,0
669	0.05	0.24	0.06	70,70,74	0.0	0.0	0.0	0,0,0
670	0.05	0.25	0.06	70,70,74	0.0	0.0	0.0	0,0,0
671	0.05	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
672	0.06	0.26	0.07	70,70,74	0.0	0.0	0.0	0,0,0
673	0.06	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
674	0.06	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
675	0.06	0.24	0.07	70,70,74	0.0	0.0	0.0	0,0,0
676	0.06	0.23	0.07	70,70,74	0.0	0.0	0.0	0,0,0
677	0.05	0.22	0.07	70,70,74	0.0	0.0	0.0	0,0,0
678	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
679	0.05	0.19	0.06	70,70,74	0.0	0.0	0.0	0,0,0
680	0.04	0.16	0.05	70,70,74	0.0	0.0	0.0	0,0,0
681	0.03	0.15	0.04	70,70,74	0.0	0.0	0.0	0,0,0
682	0.02	0.20	0.03	70,70,74	0.0	0.0	0.0	0,0,0
683	0.03	0.24	0.04	70,70,74	0.0	0.0	0.0	0,0,0
684	0.05	0.29	0.07	70,70,74	0.0	0.0	0.0	0,0,0
685	0.06	0.36	0.07	70,70,74	0.0	0.0	0.0	0,0,0
686	0.03	0.25	0.04	70,70,74	0.0	0.0	0.0	0,0,0
687	0.03	0.19	0.04	70,70,74	0.0	0.0	0.0	0,0,0
688	0.04	0.23	0.05	70,70,74	0.0	0.0	0.0	0,0,0
689	0.05	0.26	0.07	70,70,74	0.0	0.0	0.0	0,0,0
690	0.06	0.27	0.07	70,70,74	0.0	0.0	0.0	0,0,0
691	0.06	0.28	0.08	70,70,74	0.0	0.0	0.0	0,0,0
692	0.07	0.28	0.08	70,70,74	0.0	0.0	0.0	0,0,0
693	0.07	0.28	0.08	70,70,74	0.0	0.0	0.0	0,0,0
694	0.07	0.27	0.09	70,70,74	0.0	0.0	0.0	0,0,0
695	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
696	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
697	0.07	0.25	0.08	70,70,74	0.0	0.0	0.0	0,0,0
698	0.07	0.25	0.08	70,70,74	0.0	0.0	0.0	0,0,0
699	0.06	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
700	0.06	0.23	0.07	70,70,74	0.0	0.0	0.0	0,0,0
701	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
702	0.04	0.20	0.05	70,70,74	0.0	0.0	0.0	0,0,0
703	0.03	0.24	0.04	70,70,74	0.0	0.0	0.0	0,0,0
704	0.02	0.27	0.03	70,70,74	0.0	0.0	0.0	0,0,0
705	0.04	0.29	0.05	70,70,74	0.0	0.0	0.0	0,0,0
706	0.04	0.27	0.05	70,70,74	0.0	0.0	0.0	0,0,0
707	0.03	0.18	0.04	70,70,74	0.0	0.0	0.0	0,0,0
708	0.04	0.22	0.05	70,70,74	0.0	0.0	0.0	0,0,0
709	0.06	0.27	0.07	70,70,74	0.0	0.0	0.0	0,0,0
710	0.07	0.30	0.08	70,70,74	0.0	0.0	0.0	0,0,0
711	0.07	0.32	0.09	70,70,74	0.0	0.0	0.0	0,0,0
712	0.08	0.32	0.10	70,70,74	0.0	0.0	0.0	0,0,0
713	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
714	0.09	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
715	0.09	0.31	0.11	70,70,74	0.0	0.0	0.0	0,0,0
716	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0

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717	0.09	0.30	0.11	70,70,74	0.0	0.0	0.0	0,0,0
718	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
719	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
720	0.08	0.30	0.09	70,70,74	0.0	0.0	0.0	0,0,0
721	0.07	0.29	0.08	70,70,74	0.0	0.0	0.0	0,0,0
722	0.06	0.28	0.07	70,70,74	0.0	0.0	0.0	0,0,0
723	0.05	0.26	0.06	70,70,74	0.0	0.0	0.0	0,0,0
724	0.04	0.28	0.05	70,70,74	0.0	0.0	0.0	0,0,0
725	0.02	0.30	0.03	70,70,74	0.0	0.0	0.0	0,0,0
726	0.02	0.31	0.02	70,70,74	0.0	0.0	0.0	0,0,0
727	0.02	0.12	0.03	70,70,74	0.0	0.0	0.0	0,0,0
728	0.03	0.19	0.04	70,70,74	0.0	0.0	0.0	0,0,0
729	0.05	0.26	0.06	70,70,74	0.0	0.0	0.0	0,0,0
730	0.06	0.30	0.08	70,70,74	0.0	0.0	0.0	0,0,0
731	0.07	0.33	0.09	70,70,74	0.0	0.0	0.0	0,0,0
732	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
733	0.09	0.35	0.11	70,70,74	0.0	0.0	0.0	0,0,0
734	0.10	0.36	0.12	70,70,74	0.0	0.0	0.0	0,0,0
735	0.10	0.37	0.12	70,70,74	0.0	0.0	0.0	0,0,0
736	0.10	0.38	0.13	70,70,74	0.0	0.0	0.0	0,0,0
737	0.10	0.38	0.13	70,70,74	0.0	0.0	0.0	0,0,0
738	0.10	0.37	0.12	70,70,74	0.0	0.0	0.0	0,0,0
739	0.10	0.35	0.12	70,70,74	0.0	0.0	0.0	0,0,0
740	0.09	0.33	0.11	70,70,74	0.0	0.0	0.0	0,0,0
741	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
742	0.07	0.33	0.09	70,70,74	0.0	0.0	0.0	0,0,0
743	0.07	0.31	0.08	70,70,74	0.0	0.0	0.0	0,0,0
744	0.05	0.29	0.07	70,70,74	0.0	0.0	0.0	0,0,0
745	0.04	0.30	0.05	70,70,74	0.0	0.0	0.0	0,0,0
746	0.03	0.34	0.03	70,70,74	0.0	0.0	0.0	0,0,0
747	8.66e-03	0.43	0.01	70,70,74	0.0	0.0	0.0	0,0,0
1252	0.11	0.36	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1253	0.11	0.36	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1254	0.11	0.37	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1255	0.11	0.37	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1256	0.11	0.38	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1257	0.10	0.38	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1258	0.10	0.38	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1259	0.09	0.37	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1260	0.09	0.35	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1261	0.07	0.32	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1262	0.05	0.26	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1263	0.03	0.20	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1264	0.11	0.34	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1265	0.10	0.34	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1266	0.10	0.35	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1267	0.10	0.36	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1268	0.10	0.36	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1269	0.10	0.36	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1270	0.09	0.36	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1271	0.09	0.34	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1272	0.08	0.32	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1273	0.07	0.28	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1274	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1275	0.05	0.33	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1276	0.10	0.30	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1277	0.09	0.29	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1278	0.09	0.30	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1279	0.09	0.30	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1280	0.09	0.31	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1281	0.08	0.30	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1282	0.08	0.30	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1283	0.07	0.28	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1284	0.06	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1285	0.05	0.21	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1286	0.03	0.27	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1287	0.06	0.41	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1288	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1289	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1290	0.08	0.25	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1291	0.08	0.25	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1292	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1293	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1294	0.06	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1295	0.05	0.22	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1296	0.04	0.19	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1297	0.03	0.20	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1298	0.04	0.30	0.05	70,70,74	0.0	0.0	0.0	0,0,0

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1299	0.07	0.44	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1300	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1301	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1302	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1303	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1304	0.06	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1305	0.06	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1306	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1307	0.04	0.16	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1308	0.03	0.13	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1309	0.02	0.21	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1310	0.04	0.31	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1311	0.07	0.44	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1312	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1313	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1314	0.07	0.18	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1315	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1316	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1317	0.05	0.15	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1318	0.04	0.14	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1319	0.03	0.12	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1320	0.02	0.13	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1321	0.02	0.21	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1322	0.04	0.31	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1323	0.07	0.44	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1324	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1325	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1326	0.08	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1327	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1328	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1329	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1330	0.05	0.15	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1331	0.04	0.13	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1332	0.03	0.13	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1333	0.03	0.21	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1334	0.04	0.31	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1335	0.07	0.43	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1336	0.09	0.28	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1337	0.09	0.27	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1338	0.09	0.26	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1339	0.08	0.25	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1340	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1341	0.07	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1342	0.06	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1343	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1344	0.04	0.15	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1345	0.03	0.21	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1346	0.04	0.30	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1347	0.07	0.41	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1348	0.11	0.36	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1349	0.11	0.35	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1350	0.10	0.33	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1351	0.09	0.32	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1352	0.09	0.31	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1353	0.08	0.29	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1354	0.07	0.27	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1355	0.06	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1356	0.05	0.21	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1357	0.04	0.19	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1358	0.04	0.27	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1359	0.06	0.36	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1360	0.13	0.45	0.16	70,70,74	0.0	0.0	0.0	0,0,0
1361	0.13	0.43	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1362	0.12	0.41	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1363	0.11	0.40	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1364	0.10	0.38	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1365	0.09	0.36	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1366	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1367	0.07	0.30	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1368	0.06	0.26	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1369	0.05	0.21	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1370	0.03	0.22	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1371	0.04	0.28	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1372	0.14	0.53	0.18	70,70,74	0.0	0.0	0.0	0,0,0
1373	0.14	0.48	0.17	70,70,74	0.0	0.0	0.0	0,0,0
1374	0.12	0.46	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1375	0.11	0.43	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1376	0.10	0.41	0.13	70,70,74	0.0	0.0	0.0	0,0,0

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1377	0.10	0.39	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1378	0.09	0.37	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1379	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1380	0.07	0.30	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1381	0.05	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1382	0.04	0.19	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1383	0.03	0.16	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1384	0.02	0.08	0.02	70,70,74	0.0	0.0	0.0	0,0,0
1385	0.03	0.10	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1386	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1387	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1388	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1389	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1390	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1391	0.09	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1392	0.10	0.28	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1393	0.10	0.29	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1394	0.10	0.30	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1395	0.11	0.30	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1396	0.11	0.30	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1397	0.10	0.30	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1398	0.10	0.29	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1399	0.10	0.28	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1400	0.09	0.28	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1401	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1402	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1403	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1404	0.03	0.22	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1405	0.03	0.07	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1406	0.03	0.09	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1407	0.04	0.11	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1408	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1409	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1410	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1411	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1412	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1413	0.08	0.22	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1414	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1415	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1416	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1417	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1418	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1419	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1420	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1421	0.08	0.25	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1422	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1423	0.06	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1424	0.04	0.25	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1425	0.05	0.35	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1426	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1427	0.03	0.07	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1428	0.03	0.09	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1429	0.04	0.11	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1430	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1431	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1432	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1433	0.07	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1434	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1435	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1436	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1437	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1438	0.07	0.18	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1439	0.07	0.18	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1440	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1441	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1442	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1443	0.05	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1444	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1445	0.03	0.30	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1446	0.06	0.42	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1447	0.06	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1448	0.03	0.10	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1449	0.02	0.06	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1450	0.03	0.08	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1451	0.04	0.10	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1452	0.05	0.12	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1453	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1454	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0

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1455	0.06	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1456	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1457	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1458	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1459	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1460	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1461	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1462	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1463	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1464	0.04	0.14	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1465	0.03	0.23	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1466	0.04	0.33	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1467	0.07	0.44	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1468	0.06	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1469	0.04	0.14	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1470	0.02	0.07	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1471	0.02	0.06	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1472	0.03	0.08	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1473	0.04	0.10	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1474	0.04	0.13	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1475	0.05	0.16	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1476	0.05	0.17	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1477	0.05	0.19	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1478	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1479	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1480	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1481	0.05	0.19	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1482	0.05	0.19	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1483	0.04	0.17	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1484	0.03	0.15	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1485	0.03	0.15	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1486	0.02	0.23	0.02	70,70,74	0.0	0.0	0.0	0,0,0
1487	0.04	0.33	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1488	0.07	0.45	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1489	0.06	0.27	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1490	0.04	0.18	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1491	0.02	0.11	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1492	0.02	0.06	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1493	0.03	0.09	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1494	0.03	0.12	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1495	0.04	0.16	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1496	0.04	0.18	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1497	0.04	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1498	0.05	0.21	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1499	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1500	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1501	0.04	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1502	0.04	0.22	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1503	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1504	0.03	0.19	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1505	0.03	0.17	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1506	0.02	0.15	0.02	70,70,74	0.0	0.0	0.0	0,0,0
1507	0.02	0.23	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1508	0.04	0.33	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1509	0.07	0.45	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1510	0.06	0.29	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1511	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1512	0.02	0.16	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1513	0.02	0.11	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1514	0.03	0.12	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1515	0.04	0.15	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1516	0.04	0.18	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1517	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1518	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1519	0.05	0.23	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1520	0.05	0.24	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1521	0.05	0.24	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1522	0.05	0.24	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1523	0.05	0.24	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1524	0.04	0.23	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1525	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1526	0.03	0.19	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1527	0.02	0.16	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1528	0.02	0.22	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1529	0.04	0.32	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1530	0.07	0.44	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1531	0.05	0.29	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1532	0.03	0.24	0.04	70,70,74	0.0	0.0	0.0	0,0,0

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1533	0.02	0.20	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1534	0.03	0.15	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1535	0.04	0.16	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1536	0.05	0.19	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1537	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1538	0.05	0.22	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1539	0.06	0.23	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1540	0.06	0.24	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1541	0.06	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1542	0.06	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1543	0.06	0.26	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1544	0.05	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1545	0.05	0.25	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1546	0.05	0.24	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1547	0.04	0.22	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1548	0.03	0.18	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1549	0.02	0.20	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1550	0.04	0.29	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1551	0.07	0.41	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1552	0.04	0.29	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1553	0.02	0.27	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1554	0.03	0.24	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1555	0.04	0.20	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1556	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1557	0.06	0.23	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1558	0.06	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1559	0.07	0.25	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1560	0.07	0.25	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1561	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1562	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1563	0.07	0.27	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1564	0.07	0.28	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1565	0.07	0.28	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1566	0.06	0.28	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1567	0.06	0.27	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1568	0.05	0.26	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1569	0.04	0.23	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1570	0.03	0.19	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1571	0.03	0.25	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1572	0.06	0.36	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1573	0.02	0.31	0.02	70,70,74	0.0	0.0	0.0	0,0,0
1574	0.02	0.30	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1575	0.04	0.28	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1576	0.05	0.26	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1577	0.06	0.28	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1578	0.07	0.29	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1579	0.08	0.30	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1580	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1581	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1582	0.09	0.30	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1583	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1584	0.09	0.31	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1585	0.09	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1586	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1587	0.08	0.32	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1588	0.07	0.32	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1589	0.07	0.30	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1590	0.06	0.27	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1591	0.04	0.22	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1592	0.03	0.18	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1593	0.04	0.27	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1594	8.66e-03	0.43	0.01	70,70,74	0.0	0.0	0.0	0,0,0
1595	0.03	0.34	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1596	0.04	0.30	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1597	0.05	0.29	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1598	0.07	0.31	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1599	0.07	0.33	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1600	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1601	0.09	0.33	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1602	0.10	0.35	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1603	0.10	0.37	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1604	0.10	0.38	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1605	0.10	0.38	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1606	0.10	0.37	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1607	0.10	0.36	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1608	0.09	0.35	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1609	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1610	0.07	0.33	0.09	70,70,74	0.0	0.0	0.0	0,0,0

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1611	0.06	0.30	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1612	0.05	0.26	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1613	0.03	0.19	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1614	0.02	0.12	0.03	70,70,74	0.0	0.0	0.0	0,0,0

Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.14	0.53	0.18		0.0	0.0	0.0	

Guscio	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**	**wR**	**wF**	**wP**	**Rif. cmb**
					mm	mm	mm	
1	0.09	0.41	0.11	70,70,74	0.0	0.0	0.0	0,0,0
2	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
3	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
4	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
5	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
6	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
7	0.08	0.28	0.11	70,70,74	0.0	0.0	0.0	0,0,0
8	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
9	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
10	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
11	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
12	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
13	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
14	0.05	0.17	0.06	70,70,74	0.0	0.0	0.0	0,0,0
15	0.05	0.17	0.06	70,70,74	0.0	0.0	0.0	0,0,0
16	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
17	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
18	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
19	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
20	0.05	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
21	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
22	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
23	0.05	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
24	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
25	0.04	0.15	0.04	70,70,74	0.0	0.0	0.0	0,0,0
26	0.04	0.15	0.04	70,70,74	0.0	0.0	0.0	0,0,0
27	0.04	0.13	0.05	70,70,74	0.0	0.0	0.0	0,0,0
28	0.04	0.13	0.05	70,70,74	0.0	0.0	0.0	0,0,0
29	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
30	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
31	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
32	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
33	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
34	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
35	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
36	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
37	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
38	0.05	0.21	0.06	70,70,74	0.0	0.0	0.0	0,0,0
39	0.05	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
40	0.06	0.19	0.07	70,70,74	0.0	0.0	0.0	0,0,0
41	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
42	0.07	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
43	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
44	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
45	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
46	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
47	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
48	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
49	0.06	0.26	0.08	70,70,74	0.0	0.0	0.0	0,0,0
50	0.06	0.26	0.08	70,70,74	0.0	0.0	0.0	0,0,0
51	0.06	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
52	0.07	0.23	0.08	70,70,74	0.0	0.0	0.0	0,0,0
53	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
54	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
55	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
56	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
57	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
58	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
59	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
60	0.08	0.24	0.10	70,70,74	0.0	0.0	0.0	0,0,0
61	0.07	0.30	0.09	70,70,74	0.0	0.0	0.0	0,0,0
62	0.07	0.29	0.09	70,70,74	0.0	0.0	0.0	0,0,0
63	0.07	0.27	0.09	70,70,74	0.0	0.0	0.0	0,0,0
64	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
65	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
66	0.08	0.24	0.10	70,70,74	0.0	0.0	0.0	0,0,0
67	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0

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68	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
69	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
70	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
71	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
72	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
73	0.08	0.32	0.10	70,70,74	0.0	0.0	0.0	0,0,0
74	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
75	0.08	0.29	0.10	70,70,74	0.0	0.0	0.0	0,0,0
76	0.08	0.28	0.09	70,70,74	0.0	0.0	0.0	0,0,0
77	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
78	0.08	0.24	0.10	70,70,74	0.0	0.0	0.0	0,0,0
79	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
80	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
81	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
82	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
83	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
84	0.09	0.28	0.11	70,70,74	0.0	0.0	0.0	0,0,0
85	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
86	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
87	0.08	0.30	0.10	70,70,74	0.0	0.0	0.0	0,0,0
88	0.08	0.28	0.10	70,70,74	0.0	0.0	0.0	0,0,0
89	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
90	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
91	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
92	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
93	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
94	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
95	0.04	0.12	0.05	70,70,74	0.0	0.0	0.0	0,0,0
96	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
97	0.08	0.35	0.10	70,70,74	0.0	0.0	0.0	0,0,0
98	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
99	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
100	0.08	0.29	0.10	70,70,74	0.0	0.0	0.0	0,0,0
101	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
102	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
103	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
104	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
105	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
106	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
107	0.03	0.11	0.04	70,70,74	0.0	0.0	0.0	0,0,0
108	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
109	0.08	0.35	0.10	70,70,74	0.0	0.0	0.0	0,0,0
110	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
111	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
112	0.08	0.29	0.10	70,70,74	0.0	0.0	0.0	0,0,0
113	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
114	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
115	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
116	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
117	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
118	0.04	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
119	0.03	0.10	0.04	70,70,74	0.0	0.0	0.0	0,0,0
120	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
121	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
122	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
123	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
124	0.08	0.29	0.09	70,70,74	0.0	0.0	0.0	0,0,0
125	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
126	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
127	0.06	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
128	0.06	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
129	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
130	0.04	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
131	0.03	0.09	0.04	70,70,74	0.0	0.0	0.0	0,0,0
132	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
133	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
134	0.08	0.32	0.10	70,70,74	0.0	0.0	0.0	0,0,0
135	0.07	0.30	0.09	70,70,74	0.0	0.0	0.0	0,0,0
136	0.07	0.28	0.09	70,70,74	0.0	0.0	0.0	0,0,0
137	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
138	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
139	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
140	0.07	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
141	0.06	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
142	0.05	0.16	0.06	70,70,74	0.0	0.0	0.0	0,0,0
143	0.03	0.09	0.04	70,70,74	0.0	0.0	0.0	0,0,0
144	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
145	0.07	0.32	0.09	70,70,74	0.0	0.0	0.0	0,0,0

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146	0.07	0.31	0.09	70,70,74	0.0	0.0	0.0	0,0,0
147	0.07	0.29	0.09	70,70,74	0.0	0.0	0.0	0,0,0
148	0.07	0.27	0.09	70,70,74	0.0	0.0	0.0	0,0,0
149	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
150	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
151	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
152	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
153	0.06	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
154	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
155	0.04	0.10	0.05	70,70,74	0.0	0.0	0.0	0,0,0
156	0.08	0.28	0.11	70,70,74	0.0	0.0	0.0	0,0,0
157	0.07	0.30	0.08	70,70,74	0.0	0.0	0.0	0,0,0
158	0.06	0.29	0.08	70,70,74	0.0	0.0	0.0	0,0,0
159	0.06	0.27	0.08	70,70,74	0.0	0.0	0.0	0,0,0
160	0.07	0.25	0.08	70,70,74	0.0	0.0	0.0	0,0,0
161	0.07	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
162	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
163	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
164	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
165	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
166	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
167	0.04	0.12	0.06	70,70,74	0.0	0.0	0.0	0,0,0
168	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
169	0.06	0.26	0.07	70,70,74	0.0	0.0	0.0	0,0,0
170	0.06	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
171	0.06	0.24	0.07	70,70,74	0.0	0.0	0.0	0,0,0
172	0.06	0.23	0.08	70,70,74	0.0	0.0	0.0	0,0,0
173	0.06	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
174	0.07	0.23	0.08	70,70,74	0.0	0.0	0.0	0,0,0
175	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
176	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
177	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
178	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
179	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
180	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
181	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
182	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
183	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
184	0.05	0.19	0.06	70,70,74	0.0	0.0	0.0	0,0,0
185	0.06	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
186	0.06	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
187	0.07	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
188	0.07	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
189	0.07	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
190	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
191	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
192	0.06	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
193	0.03	0.15	0.03	70,70,74	0.0	0.0	0.0	0,0,0
194	0.03	0.14	0.04	70,70,74	0.0	0.0	0.0	0,0,0
195	0.03	0.14	0.04	70,70,74	0.0	0.0	0.0	0,0,0
196	0.04	0.14	0.05	70,70,74	0.0	0.0	0.0	0,0,0
197	0.05	0.16	0.06	70,70,74	0.0	0.0	0.0	0,0,0
198	0.05	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
199	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
200	0.06	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
201	0.06	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
202	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
203	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
204	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
205	0.04	0.22	0.05	70,70,74	0.0	0.0	0.0	0,0,0
206	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
207	0.04	0.18	0.05	70,70,74	0.0	0.0	0.0	0,0,0
208	0.04	0.15	0.04	70,70,74	0.0	0.0	0.0	0,0,0
209	0.03	0.13	0.04	70,70,74	0.0	0.0	0.0	0,0,0
210	0.04	0.13	0.05	70,70,74	0.0	0.0	0.0	0,0,0
211	0.05	0.15	0.06	70,70,74	0.0	0.0	0.0	0,0,0
212	0.05	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
213	0.05	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
214	0.05	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
215	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
216	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
217	0.08	0.36	0.10	70,70,74	0.0	0.0	0.0	0,0,0
218	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
219	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
220	0.07	0.28	0.09	70,70,74	0.0	0.0	0.0	0,0,0
221	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
222	0.06	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
223	0.06	0.19	0.07	70,70,74	0.0	0.0	0.0	0,0,0

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224	0.05	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
225	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
226	0.04	0.12	0.06	70,70,74	0.0	0.0	0.0	0,0,0
227	0.04	0.11	0.05	70,70,74	0.0	0.0	0.0	0,0,0
228	0.04	0.10	0.06	70,70,74	0.0	0.0	0.0	0,0,0
229	0.13	0.52	0.16	70,70,74	0.0	0.0	0.0	0,0,0
230	0.13	0.51	0.16	70,70,74	0.0	0.0	0.0	0,0,0
231	0.13	0.48	0.16	70,70,74	0.0	0.0	0.0	0,0,0
232	0.12	0.46	0.15	70,70,74	0.0	0.0	0.0	0,0,0
233	0.12	0.42	0.15	70,70,74	0.0	0.0	0.0	0,0,0
234	0.11	0.39	0.14	70,70,74	0.0	0.0	0.0	0,0,0
235	0.10	0.34	0.13	70,70,74	0.0	0.0	0.0	0,0,0
236	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
237	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
238	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
239	0.05	0.11	0.06	70,70,74	0.0	0.0	0.0	0,0,0
240	0.04	0.10	0.05	70,70,74	0.0	0.0	0.0	0,0,0
241	0.19	0.71	0.24	70,70,74	0.0	0.0	0.0	0,0,0
242	0.19	0.71	0.24	70,70,74	0.0	0.0	0.0	0,0,0
243	0.19	0.70	0.24	70,70,74	0.0	0.0	0.0	0,0,0
244	0.19	0.67	0.23	70,70,74	0.0	0.0	0.0	0,0,0
245	0.18	0.64	0.23	70,70,74	0.0	0.0	0.0	0,0,0
246	0.17	0.60	0.22	70,70,74	0.0	0.0	0.0	0,0,0
247	0.16	0.55	0.21	70,70,74	0.0	0.0	0.0	0,0,0
248	0.15	0.49	0.19	70,70,74	0.0	0.0	0.0	0,0,0
249	0.13	0.41	0.16	70,70,74	0.0	0.0	0.0	0,0,0
250	0.10	0.30	0.13	70,70,74	0.0	0.0	0.0	0,0,0
251	0.07	0.18	0.09	70,70,74	0.0	0.0	0.0	0,0,0
252	0.04	0.08	0.05	70,70,74	0.0	0.0	0.0	0,0,0
748	0.20	0.69	0.25	70,70,74	0.18	0.18	0.0	70,72,0
749	0.20	0.52	0.24	70,70,74	0.0	0.0	0.0	0,0,0
750	0.19	0.47	0.23	70,70,74	0.0	0.0	0.0	0,0,0
751	0.17	0.43	0.21	70,70,74	0.0	0.0	0.0	0,0,0
752	0.15	0.39	0.18	70,70,74	0.0	0.0	0.0	0,0,0
753	0.13	0.34	0.16	70,70,74	0.0	0.0	0.0	0,0,0
754	0.12	0.30	0.14	70,70,74	0.0	0.0	0.0	0,0,0
755	0.10	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
756	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
757	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
758	0.05	0.12	0.06	70,70,74	0.0	0.0	0.0	0,0,0
759	0.04	0.10	0.05	70,70,74	0.0	0.0	0.0	0,0,0
760	0.13	0.39	0.16	70,70,74	0.0	0.0	0.0	0,0,0
761	0.13	0.33	0.15	70,70,74	0.0	0.0	0.0	0,0,0
762	0.12	0.31	0.15	70,70,74	0.0	0.0	0.0	0,0,0
763	0.11	0.29	0.14	70,70,74	0.0	0.0	0.0	0,0,0
764	0.10	0.26	0.13	70,70,74	0.0	0.0	0.0	0,0,0
765	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
766	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
767	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
768	0.07	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
769	0.06	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
770	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
771	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
772	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
773	0.08	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
774	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
775	0.07	0.18	0.09	70,70,74	0.0	0.0	0.0	0,0,0
776	0.07	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
777	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
778	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
779	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
780	0.06	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
781	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
782	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
783	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
784	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
785	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
786	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
787	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
788	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
789	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
790	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
791	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
792	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
793	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
794	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
795	0.09	0.22	0.11	70,70,74	0.0	0.0	0.0	0,0,0
796	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0

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797	0.08	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
798	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
799	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
800	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
801	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
802	0.07	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
803	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
804	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
805	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
806	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
807	0.11	0.27	0.13	70,70,74	0.0	0.0	0.0	0,0,0
808	0.10	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
809	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
810	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
811	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
812	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
813	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
814	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
815	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
816	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
817	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
818	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
819	0.12	0.32	0.15	70,70,74	0.0	0.0	0.0	0,0,0
820	0.11	0.28	0.13	70,70,74	0.0	0.0	0.0	0,0,0
821	0.11	0.27	0.13	70,70,74	0.0	0.0	0.0	0,0,0
822	0.10	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
823	0.09	0.25	0.12	70,70,74	0.0	0.0	0.0	0,0,0
824	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
825	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
826	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
827	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
828	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
829	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
830	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
831	0.14	0.35	0.17	70,70,74	0.0	0.0	0.0	0,0,0
832	0.12	0.30	0.14	70,70,74	0.0	0.0	0.0	0,0,0
833	0.11	0.29	0.14	70,70,74	0.0	0.0	0.0	0,0,0
834	0.11	0.28	0.13	70,70,74	0.0	0.0	0.0	0,0,0
835	0.10	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
836	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
837	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
838	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
839	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
840	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
841	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
842	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
843	0.15	0.38	0.18	70,70,74	0.0	0.0	0.0	0,0,0
844	0.12	0.31	0.15	70,70,74	0.0	0.0	0.0	0,0,0
845	0.12	0.30	0.15	70,70,74	0.0	0.0	0.0	0,0,0
846	0.11	0.28	0.14	70,70,74	0.0	0.0	0.0	0,0,0
847	0.10	0.27	0.13	70,70,74	0.0	0.0	0.0	0,0,0
848	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
849	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
850	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
851	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
852	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
853	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
854	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
855	0.15	0.39	0.19	70,70,74	0.0	0.0	0.0	0,0,0
856	0.13	0.31	0.15	70,70,74	0.0	0.0	0.0	0,0,0
857	0.12	0.30	0.15	70,70,74	0.0	0.0	0.0	0,0,0
858	0.11	0.28	0.14	70,70,74	0.0	0.0	0.0	0,0,0
859	0.10	0.27	0.13	70,70,74	0.0	0.0	0.0	0,0,0
860	0.09	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
861	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
862	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
863	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
864	0.04	0.12	0.05	70,70,74	0.0	0.0	0.0	0,0,0
865	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
866	0.09	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
867	0.15	0.40	0.19	70,70,74	0.0	0.0	0.0	0,0,0
868	0.13	0.31	0.15	70,70,74	0.0	0.0	0.0	0,0,0
869	0.12	0.30	0.15	70,70,74	0.0	0.0	0.0	0,0,0
870	0.11	0.28	0.14	70,70,74	0.0	0.0	0.0	0,0,0
871	0.10	0.26	0.13	70,70,74	0.0	0.0	0.0	0,0,0
872	0.09	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
873	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
874	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0

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875	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
876	0.04	0.12	0.05	70,70,74	0.0	0.0	0.0	0,0,0
877	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
878	0.09	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
879	0.15	0.40	0.19	70,70,74	0.0	0.0	0.0	0,0,0
880	0.12	0.30	0.15	70,70,74	0.0	0.0	0.0	0,0,0
881	0.12	0.29	0.15	70,70,74	0.0	0.0	0.0	0,0,0
882	0.11	0.27	0.14	70,70,74	0.0	0.0	0.0	0,0,0
883	0.10	0.26	0.13	70,70,74	0.0	0.0	0.0	0,0,0
884	0.09	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
885	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
886	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
887	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
888	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
889	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
890	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
891	0.15	0.39	0.18	70,70,74	0.0	0.0	0.0	0,0,0
892	0.12	0.28	0.14	70,70,74	0.0	0.0	0.0	0,0,0
893	0.11	0.27	0.14	70,70,74	0.0	0.0	0.0	0,0,0
894	0.11	0.26	0.13	70,70,74	0.0	0.0	0.0	0,0,0
895	0.10	0.25	0.12	70,70,74	0.0	0.0	0.0	0,0,0
896	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
897	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
898	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
899	0.07	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
900	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
901	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
902	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
903	0.14	0.38	0.18	70,70,74	0.0	0.0	0.0	0,0,0
904	0.11	0.25	0.13	70,70,74	0.0	0.0	0.0	0,0,0
905	0.11	0.25	0.13	70,70,74	0.0	0.0	0.0	0,0,0
906	0.10	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
907	0.09	0.23	0.12	70,70,74	0.0	0.0	0.0	0,0,0
908	0.09	0.22	0.11	70,70,74	0.0	0.0	0.0	0,0,0
909	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
910	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
911	0.07	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
912	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
913	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
914	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
915	0.13	0.35	0.16	70,70,74	0.0	0.0	0.0	0,0,0
916	0.10	0.22	0.12	70,70,74	0.0	0.0	0.0	0,0,0
917	0.09	0.21	0.11	70,70,74	0.0	0.0	0.0	0,0,0
918	0.09	0.20	0.11	70,70,74	0.0	0.0	0.0	0,0,0
919	0.09	0.20	0.11	70,70,74	0.0	0.0	0.0	0,0,0
920	0.08	0.20	0.10	70,70,74	0.0	0.0	0.0	0,0,0
921	0.08	0.19	0.10	70,70,74	0.0	0.0	0.0	0,0,0
922	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
923	0.07	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
924	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
925	0.05	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
926	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
927	0.12	0.31	0.15	70,70,74	0.0	0.0	0.0	0,0,0
928	0.08	0.18	0.10	70,70,74	0.0	0.0	0.0	0,0,0
929	0.08	0.16	0.09	70,70,74	0.0	0.0	0.0	0,0,0
930	0.07	0.16	0.09	70,70,74	0.0	0.0	0.0	0,0,0
931	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
932	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
933	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
934	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
935	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
936	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
937	0.05	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
938	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
939	0.10	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
940	0.06	0.13	0.08	70,70,74	0.0	0.0	0.0	0,0,0
941	0.05	0.11	0.07	70,70,74	0.0	0.0	0.0	0,0,0
942	0.06	0.12	0.07	70,70,74	0.0	0.0	0.0	0,0,0
943	0.06	0.13	0.07	70,70,74	0.0	0.0	0.0	0,0,0
944	0.06	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
945	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
946	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
947	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
948	0.05	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
949	0.05	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
950	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
951	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
952	0.09	0.20	0.11	70,70,74	0.0	0.0	0.0	0,0,0

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953	0.08	0.19	0.10	70,70,74	0.0	0.0	0.0	0,0,0
954	0.08	0.19	0.10	70,70,74	0.0	0.0	0.0	0,0,0
955	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
956	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
957	0.07	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
958	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
959	0.06	0.19	0.07	70,70,74	0.0	0.0	0.0	0,0,0
960	0.05	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
961	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
962	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
963	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
964	0.14	0.32	0.17	70,70,74	0.0	0.0	0.0	0,0,0
965	0.14	0.31	0.17	70,70,74	0.0	0.0	0.0	0,0,0
966	0.13	0.30	0.16	70,70,74	0.0	0.0	0.0	0,0,0
967	0.12	0.29	0.15	70,70,74	0.0	0.0	0.0	0,0,0
968	0.11	0.28	0.13	70,70,74	0.0	0.0	0.0	0,0,0
969	0.10	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
970	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
971	0.08	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
972	0.06	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
973	0.05	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
974	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
975	0.05	0.17	0.06	70,70,74	0.0	0.0	0.0	0,0,0
976	0.22	0.50	0.27	70,70,74	0.0	0.0	0.0	0,0,0
977	0.21	0.49	0.26	70,70,74	0.0	0.0	0.0	0,0,0
978	0.20	0.47	0.24	70,70,74	0.0	0.0	0.0	0,0,0
979	0.18	0.44	0.22	70,70,74	0.0	0.0	0.0	0,0,0
980	0.16	0.41	0.20	70,70,74	0.0	0.0	0.0	0,0,0
981	0.14	0.37	0.17	70,70,74	0.0	0.0	0.0	0,0,0
982	0.12	0.33	0.15	70,70,74	0.0	0.0	0.0	0,0,0
983	0.10	0.29	0.12	70,70,74	0.0	0.0	0.0	0,0,0
984	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
985	0.06	0.22	0.07	70,70,74	0.0	0.0	0.0	0,0,0
986	0.04	0.18	0.05	70,70,74	0.0	0.0	0.0	0,0,0
987	0.04	0.16	0.05	70,70,74	0.0	0.0	0.0	0,0,0
988	0.31	0.77	0.38	70,70,74	0.19	0.20	0.18	70,72,74
989	0.31	0.75	0.38	70,70,74	0.19	0.19	0.18	70,72,74
990	0.28	0.70	0.35	70,70,74	0.18	0.17	0.16	70,72,74
991	0.26	0.64	0.32	70,70,74	0.16	0.16	0.15	70,72,74
992	0.23	0.58	0.28	70,70,74	0.15	0.14	0.0	70,72,0
993	0.20	0.52	0.25	70,70,74	0.0	0.0	0.0	0,0,0
994	0.17	0.46	0.21	70,70,74	0.0	0.0	0.0	0,0,0
995	0.14	0.40	0.18	70,70,74	0.0	0.0	0.0	0,0,0
996	0.11	0.33	0.14	70,70,74	0.0	0.0	0.0	0,0,0
997	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
998	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
999	0.02	0.17	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1000	0.19	0.71	0.24	70,70,74	0.0	0.0	0.0	0,0,0
1001	0.19	0.71	0.24	70,70,74	0.0	0.0	0.0	0,0,0
1002	0.19	0.70	0.24	70,70,74	0.0	0.0	0.0	0,0,0
1003	0.19	0.67	0.23	70,70,74	0.0	0.0	0.0	0,0,0
1004	0.18	0.64	0.23	70,70,74	0.0	0.0	0.0	0,0,0
1005	0.17	0.60	0.22	70,70,74	0.0	0.0	0.0	0,0,0
1006	0.16	0.55	0.21	70,70,74	0.0	0.0	0.0	0,0,0
1007	0.15	0.49	0.19	70,70,74	0.0	0.0	0.0	0,0,0
1008	0.13	0.41	0.16	70,70,74	0.0	0.0	0.0	0,0,0
1009	0.10	0.30	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1010	0.07	0.18	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1011	0.04	0.08	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1012	0.13	0.52	0.16	70,70,74	0.0	0.0	0.0	0,0,0
1013	0.13	0.51	0.16	70,70,74	0.0	0.0	0.0	0,0,0
1014	0.13	0.48	0.16	70,70,74	0.0	0.0	0.0	0,0,0
1015	0.12	0.46	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1016	0.12	0.42	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1017	0.11	0.39	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1018	0.10	0.34	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1019	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1020	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1021	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1022	0.05	0.11	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1023	0.04	0.10	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1024	0.08	0.36	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1025	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1026	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1027	0.07	0.28	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1028	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1029	0.06	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1030	0.06	0.19	0.07	70,70,74	0.0	0.0	0.0	0,0,0

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1031	0.05	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1032	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1033	0.04	0.12	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1034	0.04	0.11	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1035	0.04	0.10	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1036	0.04	0.22	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1037	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1038	0.04	0.18	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1039	0.04	0.15	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1040	0.03	0.13	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1041	0.04	0.13	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1042	0.05	0.15	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1043	0.05	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1044	0.05	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1045	0.05	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1046	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1047	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1048	0.03	0.15	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1049	0.03	0.14	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1050	0.03	0.14	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1051	0.04	0.14	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1052	0.05	0.16	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1053	0.05	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1054	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1055	0.06	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1056	0.06	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1057	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1058	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1059	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1060	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1061	0.04	0.21	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1062	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1063	0.05	0.19	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1064	0.06	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1065	0.06	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1066	0.07	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1067	0.07	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1068	0.07	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1069	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1070	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1071	0.06	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1072	0.06	0.26	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1073	0.06	0.25	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1074	0.06	0.24	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1075	0.06	0.23	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1076	0.06	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1077	0.07	0.23	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1078	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1079	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1080	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1081	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1082	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1083	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1084	0.07	0.30	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1085	0.06	0.29	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1086	0.06	0.27	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1087	0.07	0.25	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1088	0.07	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1089	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1090	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1091	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1092	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1093	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1094	0.04	0.12	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1095	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1096	0.07	0.32	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1097	0.07	0.31	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1098	0.07	0.29	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1099	0.07	0.27	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1100	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1101	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1102	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1103	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1104	0.06	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1105	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1106	0.04	0.10	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1107	0.08	0.28	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1108	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0

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1109	0.08	0.32	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1110	0.07	0.30	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1111	0.07	0.28	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1112	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1113	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1114	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1115	0.07	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1116	0.06	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1117	0.05	0.16	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1118	0.03	0.09	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1119	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1120	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1121	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1122	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1123	0.08	0.29	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1124	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1125	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1126	0.06	0.22	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1127	0.06	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1128	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1129	0.04	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1130	0.03	0.09	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1131	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1132	0.08	0.35	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1133	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1134	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1135	0.08	0.29	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1136	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1137	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1138	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1139	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1140	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1141	0.04	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1142	0.03	0.10	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1143	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1144	0.08	0.35	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1145	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1146	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1147	0.08	0.29	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1148	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1149	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1150	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1151	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1152	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1153	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1154	0.03	0.11	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1155	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1156	0.08	0.34	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1157	0.08	0.33	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1158	0.08	0.30	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1159	0.08	0.28	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1160	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1161	0.07	0.24	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1162	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1163	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1164	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1165	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1166	0.04	0.12	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1167	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1168	0.08	0.32	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1169	0.08	0.31	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1170	0.08	0.29	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1171	0.08	0.28	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1172	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1173	0.08	0.24	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1174	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1175	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1176	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1177	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1178	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1179	0.09	0.28	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1180	0.07	0.30	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1181	0.07	0.29	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1182	0.07	0.27	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1183	0.07	0.26	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1184	0.07	0.25	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1185	0.08	0.24	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1186	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0

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1187	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1188	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1189	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1190	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1191	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1192	0.06	0.26	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1193	0.06	0.26	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1194	0.06	0.24	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1195	0.07	0.23	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1196	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1197	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1198	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1199	0.08	0.23	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1200	0.07	0.22	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1201	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1202	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1203	0.08	0.24	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1204	0.05	0.22	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1205	0.05	0.21	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1206	0.05	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1207	0.06	0.19	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1208	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1209	0.07	0.20	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1210	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1211	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1212	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1213	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1214	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1215	0.07	0.21	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1216	0.04	0.15	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1217	0.04	0.15	0.04	70,70,74	0.0	0.0	0.0	0,0,0
1218	0.04	0.13	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1219	0.04	0.13	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1220	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1221	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1222	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1223	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1224	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1225	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1226	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1227	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1228	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1229	0.05	0.17	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1230	0.05	0.17	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1231	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1232	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1233	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1234	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1235	0.05	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1236	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1237	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1238	0.05	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1239	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1240	0.09	0.41	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1241	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1242	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1243	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1244	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1245	0.09	0.29	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1246	0.08	0.28	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1247	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1248	0.07	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1249	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1250	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1251	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1615	0.31	0.77	0.38	70,70,74	0.19	0.20	0.18	70,72,74
1616	0.31	0.75	0.38	70,70,74	0.19	0.19	0.18	70,72,74
1617	0.28	0.70	0.35	70,70,74	0.18	0.17	0.16	70,72,74
1618	0.26	0.64	0.32	70,70,74	0.16	0.16	0.15	70,72,74
1619	0.23	0.58	0.28	70,70,74	0.15	0.14	0.0	70,72,0
1620	0.20	0.52	0.25	70,70,74	0.0	0.0	0.0	0,0,0
1621	0.17	0.46	0.21	70,70,74	0.0	0.0	0.0	0,0,0
1622	0.14	0.40	0.18	70,70,74	0.0	0.0	0.0	0,0,0
1623	0.11	0.33	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1624	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1625	0.05	0.20	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1626	0.02	0.17	0.03	70,70,74	0.0	0.0	0.0	0,0,0
1627	0.22	0.50	0.27	70,70,74	0.0	0.0	0.0	0,0,0

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1628	0.21	0.49	0.26	70,70,74	0.0	0.0	0.0	0,0,0
1629	0.20	0.47	0.24	70,70,74	0.0	0.0	0.0	0,0,0
1630	0.18	0.44	0.22	70,70,74	0.0	0.0	0.0	0,0,0
1631	0.16	0.41	0.20	70,70,74	0.0	0.0	0.0	0,0,0
1632	0.14	0.37	0.17	70,70,74	0.0	0.0	0.0	0,0,0
1633	0.12	0.33	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1634	0.10	0.29	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1635	0.08	0.26	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1636	0.06	0.22	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1637	0.04	0.18	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1638	0.04	0.16	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1639	0.14	0.32	0.17	70,70,74	0.0	0.0	0.0	0,0,0
1640	0.14	0.31	0.17	70,70,74	0.0	0.0	0.0	0,0,0
1641	0.13	0.30	0.16	70,70,74	0.0	0.0	0.0	0,0,0
1642	0.12	0.29	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1643	0.11	0.28	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1644	0.10	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1645	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1646	0.08	0.23	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1647	0.06	0.21	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1648	0.05	0.20	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1649	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1650	0.05	0.17	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1651	0.09	0.20	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1652	0.08	0.19	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1653	0.08	0.19	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1654	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1655	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1656	0.07	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1657	0.06	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1658	0.06	0.19	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1659	0.05	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1660	0.05	0.18	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1661	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1662	0.06	0.18	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1663	0.06	0.13	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1664	0.05	0.11	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1665	0.06	0.12	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1666	0.06	0.13	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1667	0.06	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1668	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1669	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1670	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1671	0.05	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1672	0.05	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1673	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1674	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1675	0.08	0.18	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1676	0.08	0.16	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1677	0.07	0.16	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1678	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1679	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1680	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1681	0.07	0.17	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1682	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1683	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1684	0.05	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1685	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1686	0.10	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1687	0.10	0.22	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1688	0.09	0.21	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1689	0.09	0.20	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1690	0.09	0.20	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1691	0.08	0.20	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1692	0.08	0.19	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1693	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1694	0.07	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1695	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1696	0.05	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1697	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1698	0.12	0.31	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1699	0.11	0.25	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1700	0.11	0.25	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1701	0.10	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1702	0.09	0.23	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1703	0.09	0.22	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1704	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1705	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0

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1706	0.07	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1707	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1708	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1709	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1710	0.13	0.35	0.16	70,70,74	0.0	0.0	0.0	0,0,0
1711	0.12	0.28	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1712	0.11	0.27	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1713	0.11	0.26	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1714	0.10	0.25	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1715	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1716	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1717	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1718	0.07	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1719	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1720	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1721	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1722	0.14	0.38	0.18	70,70,74	0.0	0.0	0.0	0,0,0
1723	0.12	0.30	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1724	0.12	0.29	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1725	0.11	0.27	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1726	0.10	0.26	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1727	0.09	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1728	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1729	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1730	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1731	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1732	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1733	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1734	0.15	0.39	0.18	70,70,74	0.0	0.0	0.0	0,0,0
1735	0.13	0.31	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1736	0.12	0.30	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1737	0.11	0.28	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1738	0.10	0.26	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1739	0.09	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1740	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1741	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1742	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1743	0.04	0.12	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1744	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1745	0.09	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1746	0.15	0.40	0.19	70,70,74	0.0	0.0	0.0	0,0,0
1747	0.13	0.31	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1748	0.12	0.30	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1749	0.11	0.28	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1750	0.10	0.27	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1751	0.09	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1752	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1753	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1754	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1755	0.04	0.12	0.05	70,70,74	0.0	0.0	0.0	0,0,0
1756	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1757	0.09	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1758	0.15	0.40	0.19	70,70,74	0.0	0.0	0.0	0,0,0
1759	0.12	0.31	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1760	0.12	0.30	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1761	0.11	0.28	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1762	0.10	0.27	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1763	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1764	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1765	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1766	0.06	0.17	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1767	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1768	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1769	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1770	0.15	0.39	0.19	70,70,74	0.0	0.0	0.0	0,0,0
1771	0.12	0.30	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1772	0.11	0.29	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1773	0.11	0.28	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1774	0.10	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1775	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1776	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1777	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1778	0.06	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1779	0.05	0.14	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1780	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1781	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1782	0.15	0.38	0.18	70,70,74	0.0	0.0	0.0	0,0,0
1783	0.11	0.28	0.13	70,70,74	0.0	0.0	0.0	0,0,0

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1784	0.11	0.27	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1785	0.10	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1786	0.09	0.25	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1787	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1788	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1789	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1790	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1791	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1792	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1793	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1794	0.14	0.35	0.17	70,70,74	0.0	0.0	0.0	0,0,0
1795	0.10	0.26	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1796	0.09	0.25	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1797	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1798	0.09	0.23	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1799	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1800	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1801	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1802	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1803	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1804	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1805	0.08	0.21	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1806	0.12	0.32	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1807	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1808	0.08	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1809	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1810	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1811	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1812	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1813	0.07	0.19	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1814	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1815	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1816	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1817	0.07	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1818	0.11	0.27	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1819	0.06	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1820	0.05	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1821	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1822	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1823	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1824	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1825	0.06	0.16	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1826	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1827	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1828	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1829	0.07	0.18	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1830	0.09	0.22	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1831	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1832	0.08	0.20	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1833	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1834	0.07	0.18	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1835	0.07	0.17	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1836	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1837	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1838	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1839	0.06	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1840	0.05	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1841	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1842	0.06	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1843	0.13	0.39	0.16	70,70,74	0.0	0.0	0.0	0,0,0
1844	0.13	0.33	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1845	0.12	0.31	0.15	70,70,74	0.0	0.0	0.0	0,0,0
1846	0.11	0.29	0.14	70,70,74	0.0	0.0	0.0	0,0,0
1847	0.10	0.26	0.13	70,70,74	0.0	0.0	0.0	0,0,0
1848	0.09	0.24	0.11	70,70,74	0.0	0.0	0.0	0,0,0
1849	0.08	0.22	0.10	70,70,74	0.0	0.0	0.0	0,0,0
1850	0.07	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1851	0.07	0.16	0.08	70,70,74	0.0	0.0	0.0	0,0,0
1852	0.06	0.14	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1853	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1854	0.05	0.13	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1855	0.20	0.69	0.25	70,70,74	0.18	0.18	0.0	70,72,0
1856	0.20	0.52	0.24	70,70,74	0.0	0.0	0.0	0,0,0
1857	0.19	0.47	0.23	70,70,74	0.0	0.0	0.0	0,0,0
1858	0.17	0.43	0.21	70,70,74	0.0	0.0	0.0	0,0,0
1859	0.15	0.39	0.18	70,70,74	0.0	0.0	0.0	0,0,0
1860	0.13	0.34	0.16	70,70,74	0.0	0.0	0.0	0,0,0
1861	0.12	0.30	0.14	70,70,74	0.0	0.0	0.0	0,0,0

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1862	0.10	0.24	0.12	70,70,74	0.0	0.0	0.0	0,0,0
1863	0.08	0.19	0.09	70,70,74	0.0	0.0	0.0	0,0,0
1864	0.06	0.15	0.07	70,70,74	0.0	0.0	0.0	0,0,0
1865	0.05	0.12	0.06	70,70,74	0.0	0.0	0.0	0,0,0
1866	0.04	0.10	0.05	70,70,74	0.0	0.0	0.0	0,0,0

Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.31	0.77	0.38		0.19	0.20	0.18