ANAS S.p.A.

Direzione Progettazione e Realizzazione Lavori

NUOVA S.S. 341 "GALLARATESE" - TRATTO DA SAMARATE A CONFINE CON LA PROVINCIA DI NOVARA - TRATTO NORD

STRALCIO FUNZIONALE DAL KM 6+500 (SVINCOLO S.S. 336 NORD) AL KM 8+844 (SVINCOLO AUTOSTRADA A8) "BRETELLA DI GALLARATE"

PROGETTO ESECUTIVO

STUDIO CORONA
Ing. Renato Vaira
(Ordine degli Ingg. di Torino e Provincia n° 4663 W)

Ingegneria del Territorio s.r.l.
Ing. Valerio Bajetti
Ordine degli Ingg. di Roma e provincia n° A-26211

ING. RENATO DEL PRETE
Ing. Renato Del Prete
Ordine degli Ingg. di Bari e provincia n° 5073

ECOPLAN
Arch. Nicoletta Frattini
Ordine degli Arch. di Torino e provincia n° A-8433

E&G Engineering & Graphics S.r.l.
Ing. Gabriele Incecchi
Ordine degli Ingg. di Roma e provincia n° A-12102

CONSORZIO UNING Soc.Cons. a r.l.
Società designata: GA&M
Prof. Ing. Matteo Ranieri
Ordine degli Ingg. di Bari e provincia n° 1137

SETAC Srl
Servizi & Engineering
Trasporti Ambiente Costruzioni
Prof. Ing. Luigi Monterisi
Ordine degli Ingg. di Bari e provincia n° 1771

ARKE' INGEGNERIA s.r.l.
Ing. Gioacchino Angarano
Ordine degli Ingg. di Bari e provincia n° 5970

DOTT. GEOL. DANILO GALLO
Dott. Geol. Danilo Gallo
Ordine dei Geologi della Regione Puglia n° 588

VISTO: IL RESPONSABILE DEL PROCEDIMENTO	RESPONSABILE INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE	IL PROGETTISTA FIRMATARIO DELLA PRESTAZIONE	GEOLOGO	COORDINATORE DELLA SICUREZZA IN FASE DI PROGETTAZIONE
Dott. Ing. Giancarlo LUONGO	Ing. Renato DEL PRETE	Ing. Valerio BAJETTI	Prof. Ing. Geol. Luigi MONTERISI	Ing. Gaetano RANIERI

ID 022

I - PROGETTO STRUTTURALE: MURI DI SOSTEGNO

ID - OS62 MURI DI SOSTEGNO -

in sx da progr. 8+058,15 a progr. 8+222,65

Relazione di calcolo conci in interferenza con varchi faunistici

CODICE PROGETTO			NOME FILE	REVISIONE	SCALA:
PROGETTO	LIV. PROG.	N. PROG.	ID022-P01OS04STRRE02_A.dwg		
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REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
C					
B					
A	EMISSIONE	MARZO 2021	ING. LUIGI MONTERISI	ING. VALERIO BAJETTI	ING. RENATO DEL PRETE

INDICE

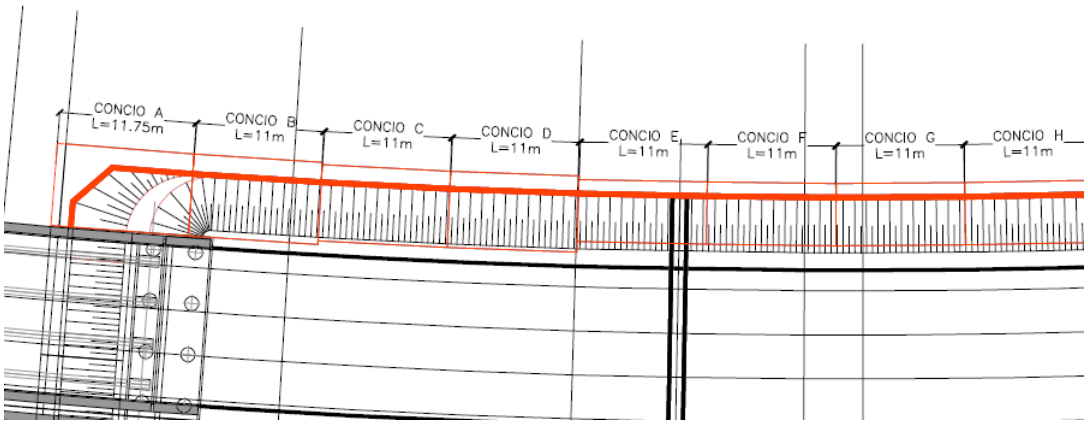
1 PREMESSA

La presente relazione di calcolo riporta la descrizione, il dimensionamento, le verifiche strutturali del Concio E e Concio M, relativi all'opera OS62 MURO DI SOSTEGNO dell'ASSE PRINCIPALE, del progetto esecutivo nell'ambito dei lavori inerenti la Nuova S.S. 341 "Gallaratese" nel tratto da Samarate a confine con la provincia di Novara.

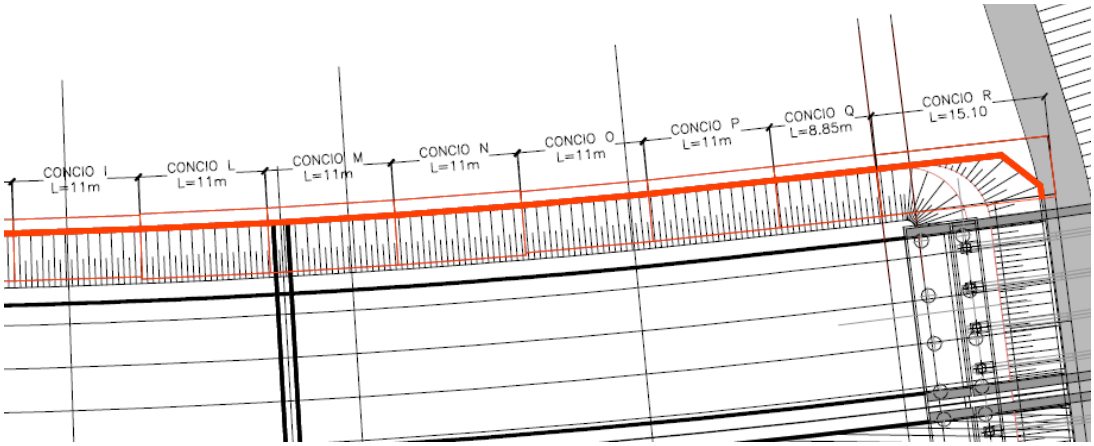
Il muro di sostegno OS62 consiste in una struttura a mensola in c.a gettato in opera, suddiviso in quindici conci con paramento verticale ad altezza variabile.

I due conci in esame hanno le caratteristiche di seguito riportate e presentano, nel paramento, un'apertura di dimensioni 1,10 x 1,60 m (Concio E) e 1,10 x 1,93-1,94 m (Concio M), necessaria per la presenza dei sottopassi faunistici:

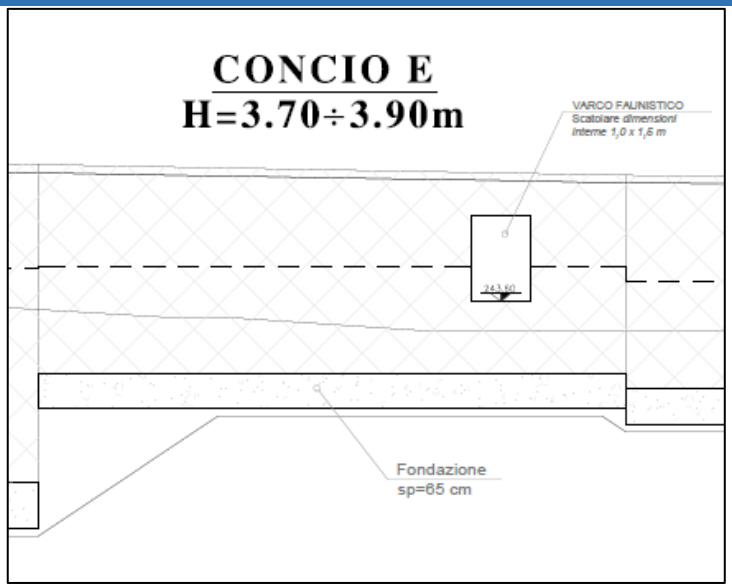
- Concio E – lunghezza pari a 11 m e altezza del paramento variabile da 3,70 m a 3,90 m;
- Concio M – lunghezza pari a 11 m e altezza del paramento variabile da 4,45 m a 4,55 m;



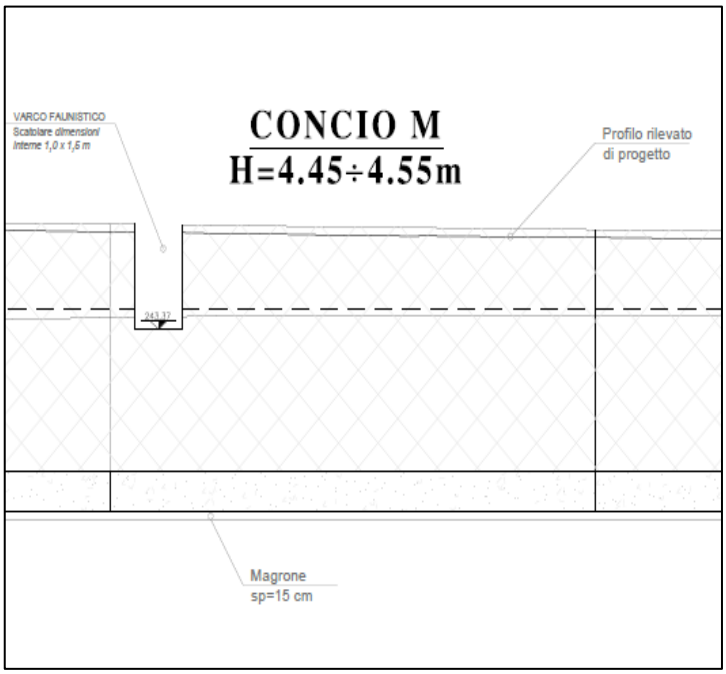
I.1 Planimetria Concio E – Muro di sostegno OS62



I.2 Planimetria Concio M - Muro di sostegno OS62



I.3 Sezione longitudinale Concio E – Muro di sostegno OS62



I.4 Sezione longitudinale Concio M - Muro di sostegno OS62

2 NORMATIVA DI RIFERIMENTO

I calcoli e le disposizioni esecutive sono conformi alle norme attualmente in vigore di seguito elencate:

- Legge nr. 1086 del 05/11/1971: Norme per la disciplina delle opere in conglomerato cementizio, normale e precompresso ed a struttura metallica;
- Legge nr. 64 del 02/02/1974: Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche;
- Norme Tecniche per le Costruzioni 2018 (D.M. 17 Gennaio 2018);

- Circolare C.S.LL.PP. 21/01/2019 n.7 - Istruzioni per l'applicazione dell'Aggiornamento delle Norme tecniche per le costruzioni di cui al D.M. 17 gennaio 2018;
- UNI EN 1992-1 (Eurocodice 2 – Parte 1) - Progettazione delle strutture in calcestruzzo – Regole generali;
- UNI EN 1992-2 (Eurocodice 2 – Parte 2) - Progettazione delle strutture in calcestruzzo – Ponti;
- UNI EN 1998-5 (Eurocodice 8) – Gennaio 2015 - Progettazione delle strutture per la resistenza sismica – Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici;
- UNI EN 206-1:2016 - Calcestruzzo – Specificazione, prestazione, produzione e conformità;
- UNI 11104:2016 - Calcestruzzo – Specificazione, prestazione, produzione e conformità – Specificazioni complementari per l'applicazione della EN 206;
- Servizio Tecnico Centrale della Presidenza del Consiglio Superiore dei LL.PP. Linee guida sul calcestruzzo strutturale.

3 DICHIARAZIONI SECONDO N.T.C. 2018 (§ 10.2)

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

Origine e Caratteristiche dei Codici di Calcolo	
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2020-12-191)
Produttore- Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE (Italy) Tel. +39 0532 200091 www.2si.it
Codice Licenza:	Licenza dsi5916

Affidabilità

In merito al punto 10.2 delle Norme Tecniche per le Costruzioni (Affidabilità dei codici utilizzati), si fa riferimento al Documento di Affidabilità "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST" - versione Agosto 2020, disponibile per il download sul sito: https://www.2si.it/it/prodotti/affidabilita/.

Informazioni generali sull'elaborazione

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L'analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici.

L'analisi strutturale sotto le azioni sismiche è condotta con il metodo dell'analisi statica equivalente secondo le disposizioni del capitolo 7 del D.M. 17/01/2018.

L'analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi.

Controlli

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

Verifiche agli stati limite ultimi

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

Verifiche agli stati limite di esercizio

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

MATERIALI

3.1 CALCESTRUZZO

Per la realizzazione delle **fondazioni dei muri** si prevede l'utilizzo di calcestruzzo di classe C28/35 (Rck ≥**35** N/mm^2) che presenta le seguenti caratteristiche:

R_{ck} = 35 MPa	valore caratteristico della resistenza cubica a compressione
$f_{ck} = 0.83 \cdot R_{ck}$ = 29.05 MPa	valore caratteristico della resistenza cilindrica a compressione
$f_{cm} = f_{ck} + 8$ = 37.05 MPa	valore medio della resistenza cilindrica a compressione
$f_{ctm} = 0.30 \cdot f_{ck}^{2/3}$ = 2.835 MPa	valore medio della resistenza a trazione semplice
$f_{ctk}(5\%) = 0.7 \cdot f_{ctm}$ = 1.984 MPa	valore caratteristico (frattile 5%) della resistenza a trazione semplice
$f_{ctk}(95\%) = 1.3 \cdot f_{ctm}$ = 3.685 MPa	valore caratteristico (frattile 95%) della resistenza a trazione semplice
$f_{cfm} = 1.2 \cdot f_{ctm}$ = 3.40 MPa	valore medio della resistenza a trazione per flessione
$E_{cm} = 22000 \cdot [f_{cm}/10]^{0.3}$ = 32588 MPa	valore medio del modulo di elasticità longitudinale
ν = 0.15	coefficiente di Poisson
$\alpha = 1.0 \cdot 10^{-5} °C^{-1}$	coefficiente di dilatazione termica
α_{cc} = 0.85	fattore di riduzione per carichi di lunga durata
γ_c = 1.5	coefficiente parziale di sicurezza relativo al calcestruzzo
$f_{cd} = \alpha_{cc} f_{ck}/\gamma_c$ = 16.45 MPa	valore di calcolo della resistenza a compressione
$f_{ctd} = f_{ctk}/\gamma_c$ = 1.32 MPa	valore di calcolo della resistenza a trazione
$\sigma_c = 0.60 \cdot f_{ck}$ = 17.43 MPa	resistenza a compressione per le combinazioni di carico Rare;
$\sigma_c = 0.45 \cdot f_{ck}$ = 13.07 MPa	resistenza a compressione per le combinazioni di carico Quasi Permanenti
$\alpha^{cls}_{th} = 10^{-5}$ °C	coefficiente di espansione termica

Per la realizzazione delle **elevazioni dei muri** si prevede l'utilizzo di calcestruzzo di classe C32/40 (Rck ≥**40** N/mm^2) che presenta le seguenti caratteristiche:

R_{ck} = 40 MPa	valore caratteristico della resistenza cubica a compressione
$f_{ck} = 0.83 \cdot R_{ck}$ = 33.20 MPa	valore caratteristico della resistenza cilindrica a compressione
$f_{cm} = f_{ck} + 8$ = 41.20 MPa	valore medio della resistenza cilindrica a compressione
$f_{ctm} = 0.30 \cdot f_{ck}^{2/3}$ = 3.10 MPa	valore medio della resistenza a trazione semplice
$f_{ctk}(5\%) = 0.7 \cdot f_{ctm}$ = 2.17 MPa	valore caratteristico (frattile 5%) della resistenza a trazione semplice
$f_{ctk}(95\%) = 1.3 \cdot f_{ctm}$ = 4.03 MPa	valore caratteristico (frattile 95%) della resistenza a trazione semplice
$f_{cfm} = 1.2 \cdot f_{ctm}$ = 3.72 MPa	valore medio della resistenza a trazione per flessione
$E_{cm} = 22000 \cdot [f_{cm}/10]^{0.3}$ = 33643 MPa	valore medio del modulo di elasticità longitudinale
ν = 0.15	coefficiente di Poisson
$\alpha = 1.0 \cdot 10^{-5} °C^{-1}$	coefficiente di dilatazione termica
α_{cc} = 0.85	fattore di riduzione per carichi di lunga durata
γ_c = 1.5	coefficiente parziale di sicurezza relativo al

calcestruzzo

$f_{cd} = \alpha_{cc} f_{ck}/\gamma_c = 18.81$MPa	valore di calcolo della resistenza a compressione
$f_{ctd} = f_{ctk}/\gamma_c = 1.45$ MPa	valore di calcolo della resistenza a trazione
$\sigma_c = 0.60 \cdot f_{ck} = 19.92$ MPa	resistenza a compressione per le combinazioni di carico Rare;
$\sigma_c = 0.45 \cdot f_{ck} = 14.94$ MPa	resistenza a compressione per le combinazioni di carico Quasi Permanenti
$\alpha^{cls}_{th} = 10^{-5}$ °C	coefficiente di espansione termica

3.2 ACCIAIO PER CEMENTO ARMATO

Per le armature metalliche si adottano tondini in acciaio saldabile del tipo B450C controllato in stabilimento caratterizzato dai seguenti valori nominali delle tensioni caratteristiche di snervamento e rottura da utilizzare nei calcoli:

$f_{y\,nom} = 450$ N/mm^2

$f_{t\,nom} = 540$ N/mm^2

L'acciaio B450C deve rispettare le caratteristiche riportate nella seguente tabella.

Proprietà	Requisito	Frattile (%)
Tensione caratteristica di snervamento f_{yk}	≥ 450 MPa	5.0
Tensione caratteristica di rottura f_{tk}	≥ 540 MPa	5.0
$(f_t/f_y)_k$	≥ 1.15 ≤ 1.35	10.0
$(f_t/f_{ynom})_k$	≤ 1.25	10.0
Allungamento totale al carico massimo (A_{gt})	≥ 7.5%	10.0
Diametro del mandrino per prove di piegamento a 90° e successivo raddrizzamento senza cricche: $\phi < 12$ $12 \le \phi \le 16$ $16 < \phi \le 25$ $25 < \phi \le 40$	 4ϕ 5ϕ 8ϕ 10ϕ	

T.1 Caratteristiche dell'acciaio

La resistenza di calcolo dell'acciaio f_{yd} è riferita alla tensione di snervamento ed il suo valore è pari a:

$$f_{yd} = f_{yk}/\gamma_s = 450/1.15 = 391.3\text{MPa}$$

essendo:

$$\gamma_s = 1.15$$

il coefficiente parziale di sicurezza per l'acciaio. L'acciaio B450C è idoneo per la realizzazione di strutture in zone sismiche, come indicato in **Errore. L'origine riferimento non è stata trovata.**

Il modulo di elasticità è pari a:

- $E_a = 210\,000$ N/mm^2

Il coefficiente di espansione termica è pari a:

- $\alpha^a_{th} = 10^{-5}$ °C

3.3 DURABILITÀ, PRESCRIZIONI SUI MATERIALI, SCELTA DEGLI STATI LIMITE DI FESSURAZIONE E DEI COPRIFERRI

Il calcestruzzo deve essere in grado di resistere in maniera soddisfacente alle condizioni ambientali e di lavoro cui è sottoposto durante la vita dell'opera. Nella presente sezione si valutano pertanto le caratteristiche dei calcestruzzi (resistenza caratteristica, copriferri, ecc..) da impiegare per la realizzazione delle diverse parti dell'opera in oggetto tali da conseguire il requisito di

durabilità richiesto.
In relazione alle classi di esposizione ambientale definite nella UNI EN 206-1 e nella UNI 11104, sono state attribuite ai diversi elementi strutturali le seguenti classi di esposizione alle quali sono state associate le condizioni ambientali (vedi Tabella 4.1.III delle NTC 2018):

fondazioni muri	XC2	c.a. ordinarie
elevazioni muri	XC4	c.a. aggressive

Nella seguente tabella si riportano i valori limiti per la composizione e le proprietà del calcestruzzo in funzione delle classi di esposizione (vedi Prospetto 4 delle NTC 2018) per i diversi elementi strutturali.

Classe di esposizione	Fond. muri XC2	Elev. muri XC4
Massimo rapporto a/c	0.60	0.50
Minima classe di resistenza	C25/30	C32/40
Minimo contenuto in cemento	300	340

T.1 Valori limite per la composizione e le proprietà del calcestruzzo

L'armatura deve essere protetta da un adeguato ricoprimento di calcestruzzo (copriferro) dimensionato in funzione dell'aggressività dell'ambiente e della sensibilità delle armature alla corrosione, tenendo anche conto della tolleranza di posa delle armature.
La distanza tra la parete interna del cassero e la generatrice dell'armatura metallica più vicina, individua il cosiddetto "copriferro nominale".
Il copriferro nominale c_{nom} è somma di due contributi, il copriferro minimo c_{min} e la tolleranza di posizionamento h, ovvero:

$$c_{nom} = c_{min} + h.$$

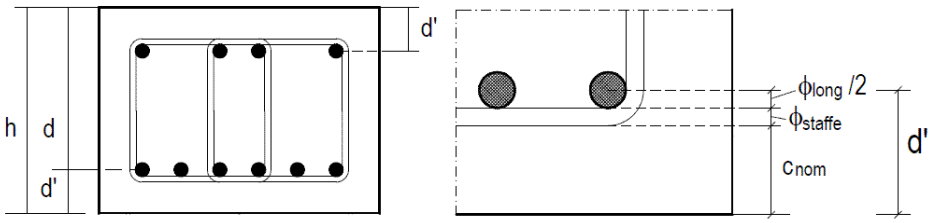
La tolleranza di posizionamento delle armature h è assunta pari a 5 mm se vengono seguite in sistema di controllo della qualità oppure pari a **10** mm.
Considerata la classe di esposizione ambientale dell'opera, la tipologia dell'opera e la classe del calcestruzzo impiegato, i valori del copri ferro minimo (vedi Tabella C4.1.IV della Circolare C.S.LL.PP. 21/01/2019 n.7) sono riportati nella seguente tabella:

Elemento	Cls classe	Condizioni ambientali	Tipo elemento	Confronto classe	Copriferro minimo (mm)
Fond. muri	C28/35	ordinarie	piastra	$C_{min} \leq C < C_0$	20
Elev. muri	C32/40	aggressive	piastra	$C_{min} \leq C < C_0$	30

I.5 Copriferri minimi

I valori riportati in tabella si riferiscono ad opere, come quella in esame, con vita nominale di 50 anni, Tipo 2 secondo la Tabella 2.4.I delle NTC 2018, (nel caso in cui Vn=100, i valori della Tabella C4.1.IV sono incrementati di 10 mm).

Pertanto, si assume come copriferro per i muri di sostegno un valore pari a **$C_{nom}=C_{min}+h=$ 40 mm**.



4 GEOLOGIA E GEOTECNICA

4.1 PARAMETRI GEOTECNICI DI CALCOLO

I **parametri geotecnici di calcolo** utilizzati nelle verifiche geotecniche sono i seguenti valori indicati tra parentesi, corrispondenti ai valori medi del range di variabilità indicati per ogni unità geotecnica d'interesse:

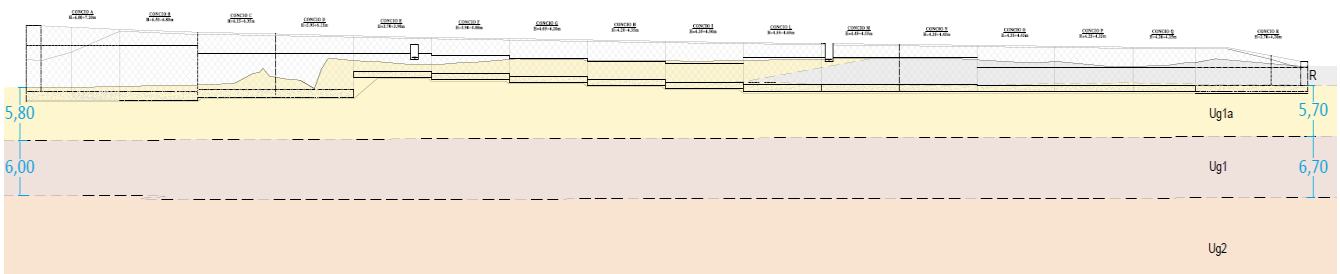
Unità geotecnica	Descrizione	γ_n (kN/m^3)	c' (kPa)	ϕ (°)	E (MPa)
Ug1a	Ghiaia in matrice sabbiosa e sabbia con ghiaia	18-20 ***(19)***	0-5 ***(3)***	27-34 ***(30)***	10-40 ***(25)***
Ug1	Ghiaia in matrice sabbiosa	19-21 ***(20)***	0	35-40 ***(37)***	70-130 <25m 150-200 >25m ***(100)***
Ug2	Sabbia e sabbia limosa con ghiaia	18-20 ***(19)***	0-10 ***(5)***	30-35 ***(32)***	80-130 <25m 150-200 >25m ***(100)***

T.2 Parametri geotecnici

Le unità geotecniche Ug3 ed Ug4 sono presenti oltre i 45m, dunque non sono interessate direttamente dalle opere in progetto.

Per il corpo del rilevato sono assunti i seguenti parametri geotecnici:
corpo rilevato: $\gamma t=19$ kN/m^3 c'=0 kPa Φ'=37°

Il livello della falda risulta essere sempre profondo lungo l'intero intervento, tra i 20÷35 m di profondità rispetto al piano campagna. Pertanto, le verifiche sono state condotte trascurando la presenza della falda, in quanto non interessata direttamente o indirettamente dalla costruzione dell'opera.



I.6 Profilo geotecnico con ubicazione del muro di sostegno OS62

4.2 COSTANTE DI SOTTOFONDO

La determinazione della Costante di Sottofondo è stata effettuata con la nota formula di Vesic, come di seguito riportato:

$$k_{w,v} = 0.65 \ \frac{E_s}{B\ (1-v^2)} \ \sqrt[12]{\frac{E_s\ B^4}{E_f\ I_f}}$$

In cui:
E_s = 25 MPa Modulo elastico medio terreno di fondazione Ug1a
v = 0.35 Coefficiente di Poisson terreno di fondazione Ug1a
E_f = 30000 MPa Modulo elastico del calcestruzzo,
B Larghezza della fondazione nella direzione considerata,
I_f = B x H^3 / 12 con H = spessore fondazione

E' stato assunto come valore di calcolo, il valore medio di K_v ottenuto per le dimensioni della fondazione, nelle due direzioni.

Concio E
$K_{w,v}$ = 3175 kN/m^3
$K_{w,h}$ = 1587 kN/m^3

Concio M
$K_{w,v}$ = 2985 kN/m^3
$K_{w,h}$ = 1492 kN/m^3

5 CARATTERIZZAZIONE SISMICA

5.1 PERICOLOSITÀ SISMICA DI BASE

Il progetto in esame ricade nel Comune di Gallarate. La pericolosità sismica, in accordo alle NTC 2018, è definita in termini di accelerazione orizzontale massima attesa a_g in condizioni di campo libero su sito di riferimento rigido con superficie topografica orizzontale, con riferimento a prefissate probabilità di eccedenza P_{VR}, come definite al § 3.2.1 NTC 2018, nel periodo di riferimento V_R come definito al § 2.4 NTC 2018.
Considerando un livello elevato di prestazione dell'opera in esame (Tab. 2.4.I delle NTC 2018) al quale corrisponde una vita nominale V_N = 50 anni e una classe d'uso IV con C_u = 2 (Tab. 2.4II delle NTC 2018), si ha un periodo di riferimento V_R = 100 anni, corrispondente a uno stato limite di salvaguardia della vita (SLV) relativo a una probabilità di superamento P_{VR} nel periodo di riferimento V_R pari al 10%
Sulla base di quanto riportato nella relazione geotecnica, i terreni presenti nell'area in esame appartengono alla categoria di sottosuolo C.
Per quanto riguarda il coefficiente topografico, per configurazioni topografiche semplici, si può adottare la classificazione come da Tabella 3.2.V delle NTC 2018; nel caso in esame si considera la categoria T1.
Il coefficiente S che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente:

$$S = S_S \cdot S_T$$

con
S_S : coefficiente di amplificazione stratigrafica
S_T : coefficiente di amplificazione topografica
Definito in accordo alle espressioni e ai valori forniti nelle Tab. 3.2.IV e 3.2.V delle NTC 2018:
Nel caso specifico, riassumendo, si ha:

Parametro	*Simbolo*	*U.M.*		*SLU*	*SLE*
Accelerazione al suolo	a_g	[m/s^2]		0.443	0.234
Accelerazione al suolo	a_g/g	[%]		0.045	0.024
Massimo fattore amplificazione spettro orizzontale	F0			2.634	2.589
Periodo inizio tratto spettro a velocità costante	Tc*			0.302	0.207
Tipo di sottosuolo - Coefficiente stratigrafico	Ss		C	1.500	1.500
Categoria topografica - Coefficiente topografico	St		T1	1.000	

T.3 Parametri per la valutazione dell'azione sismica

5.2 DEFINIZIONE COEFFICIENTI SISMICI DI CALCOLO

Il coefficiente sismico orizzontale è determinato mediante la seguente relazione:

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

Il muro di sostegno può essere considerato come libero di ruotare intorno al piede. Il coefficiente β_m viene pertanto determinato secondo quanto previsto dal D.M. 17.01.2018 "Nuove Norme Tecniche per le Costruzioni" – § 7.11.6.2.1. I coefficienti sismici in direzione orizzontale e verticale risultano dunque pari a:

$k_h = 0.026$
$k_v = 0.013$

Lo stato limite di ribaltamento è trattato impiegando coefficienti parziali unitari sulle azioni e sui parametri geotecnici (§ 7.11.1) e utilizzando valori di β_m incrementati del 50% rispetto a quelli innanzi indicati e comunque non superiori all'unità.

6 ANALISI DEI CARICHI

6.1 PESO PROPRIO DELLE STRUTTURE IN CEMENTO ARMATO

Il peso per unità di volume delle strutture in cemento armato è assunto pari a γ_{ca} = 25,0 kN/m^3.
Il peso proprio degli elementi strutturali è assegnato automaticamente dal software di calcolo sulla base delle caratteristiche geometriche e delle caratteristiche dei materiali.

6.2 PESO PROPRIO DEL TERRENO SULLE MENSOLE DI FONDAZIONE DI MONTE/VALLE

Il peso del terreno sulle mensole di fondazione è stato calcolato considerando un peso per unità di volume pari a γ_t = 19 kN/m^3.

6.3 SPINTA DEL TERRENO IN CONDIZIONI STATICHE

Per la determinazione del coefficiente di spinta attiva, del rilevato a tergo del paramento,è stata applicata la formula di Muller – Breslau:

$$K_a = \frac{cos^2(\Phi - \theta)}{cos^2(\theta)\cos(\theta + \delta)\left[1 + \sqrt{\frac{\sin(\delta + \Phi)\sin(\Phi - \beta)}{\cos(\theta + \delta)\cos(\theta - \beta)}}\right]}$$

In cui:

Φ = 37°	Angolo di attrito interno del terreno di rilevato
β = 33,69°	Angolo formato dall'estradosso del terrapieno con l'orizzontale
θ_1 = 0°	Angolo formato dal tratto di paramento verticale con la verticale
θ_2 = 5,70°	Angolo formato dal tratto di paramento inclinato con la verticale
δ = 2/3 Φ = 24,67°	Angolo di attrito terreno – struttura

I coefficienti di spinta attiva risultano pari a:
$K_a(\theta_1)$ = 0,443
$K_a(\theta_2)$ = 0,540
La distribuzione delle tensioni orizzontali, lungo la verticale, a tergo del paramento sono state determinate attraverso l'espressione:

$$s_a = \gamma_t \times z \times K_a(\theta_i)$$

In cui γ_t = 19 kN/m^3

6.4 CARICHI ACCIDENTALI DA TRAFFICO

Si considera a tergo del muro un sovraccarico distribuito da **20 kN/m^2**, a simulare il carico variabile da traffico.

6.5 SPINTA LATERALE DOVUTA AI SOVRACCARICHI ACCIDENTALI

Le tensioni orizzontali dovute ai sovraccarichi accidentali sul terrapieno sono state determinate attraverso l'espressione:

$$s_q = q \times K_a(\theta_i)$$

dove:
- q è l'entità del sovraccarico accidentale;
- $K_a(\theta_i)$ è il coefficiente di spinta attiva del terreno, di cui al paragrafo precedente.

6.6 AZIONE SISMICA

Le sollecitazioni agenti sulla struttura in fase sismica vengono determinate attraverso un'analisi pseudo-statica, secondo quanto riportato nel DM 17.01.2018 "Nuove norme tecniche per le costruzioni", paragrafo 7.11.6.

6.6.1 Spinta del terreno in condizioni sismiche

Per la determinazioni della spinta del terreno in condizioni sismiche, è stato applicato il metodo di Mononobe-Okabe.
Ponendo l'angolo sismico pari a:

$$\Psi = \arctan\left(\frac{k_h}{1 \pm k_v}\right)$$

Segue:
Ψ_1 (+k_v) = 0.0257 rad
Ψ_2 (-k_v) = 0.0263 rad

Il coefficiente di spinta attiva, secondo Mononobe-Okabe, è pari a:

$$K_a = \frac{cos^2(\Phi - \theta - \Psi)}{\cos(\Psi)\, cos^2(\theta)\cos(\theta + \delta + \Psi)\left[1 + \sqrt{\frac{\sin(\delta + \Phi)\sin(\Phi - \beta - \Psi)}{\cos(\theta + \delta + \Psi)\cos(\theta - \beta)}}\right]}$$

In cui:
Φ = 37° Angolo di attrito interno del terreno di rilevato
β = 33,69° Angolo formato dall'estradosso del terrapieno con l'orizzontale
θ = 5,70° Angolo formato dal tratto di paramento inclinato con la verticale (assunto costante lungo la verticale, a vantaggio di sicurezza)
δ = 2/3 Φ = 24,67° Angolo di attrito terreno – struttura

Segue quindi:
K_a (Ψ_1) = 0.628
K_a (Ψ_2) = 0.631
La spinta attiva totale (statica + sismica) è stata calcolata come:

$$S_{a,tot,i} = \frac{1}{2} \times \gamma_t \times (1 - k_v) \times H^2 \times K_a(\Psi_i)$$

In cui H è l'altezza del paramento del muro.
Tale spinta si considera applicata nel baricentro di una distribuzione triangolare equivalente di tensioni orizzontali, avendo trascurato la doppia pendenza del paramento nel calcolo del coefficiente di spinta attiva M-O.

6.6.2 Forze d'inerzia

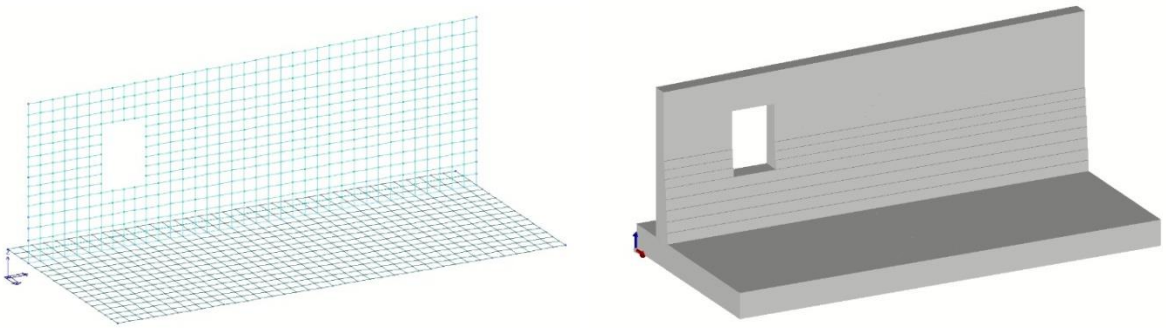
Oltre alla spinta in condizioni sismiche, si è tenuto conto delle forze d'inerzia orizzontali e verticali che si destano per effetto del sisma. Tali forze sono state valutate come:

$$F_{iH} = k_h W \qquad F_{iV} = \pm k_v W$$

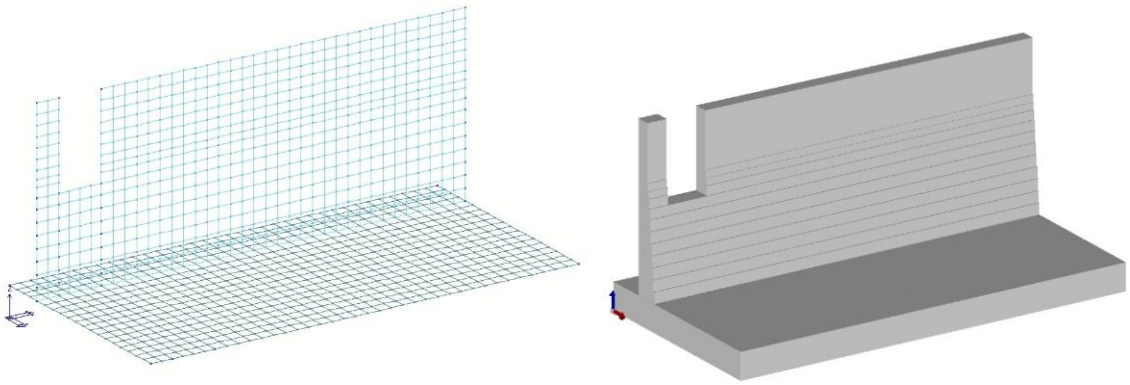
dove *W* è il peso del muro, del terreno soprastante la soletta di fondazione ed i relativi sovraccarichi e viene applicata nel baricentro dei pesi.

7 DEFINIZIONE DEL MODELLO FEM

L'analisi è stata eseguita con l'ausilio del software PRO_SAP – 2S.I.Software e Servizi per l'Ingegneria S.R.L.
Sia il paramento che la fondazione sono stati modellati con elementi SHELL a quattro nodi (quadrangolari), aventi lato di circa 0,20÷0,30 m ed angoli ai vertici dei singoli elementi pari a 90°.
Per la mesh relativa alla fondazione è stato assegnato il vincolo di terreno alla Winkler, ossia di elementi adagiati su un letto di molle indipendenti, di rigidezza pari alla constante di sottofondo calcolata in precedenza.
Il tratto di paramento inclinato è stato modellato effettuando una discretizzazione dello stesso, con elementi SHELL di spessore variabile lungo la verticale.



I.7 Modello FEM – Concio E



I.8 Modello FEM – Concio M

I carichi di cui al Capitolo 7 della presente relazione, sono stati applicati come carichi distribuiti sugli elementi SHELL, così come riportato nei tabulati di calcolo allegati.

8 CRITERI DI VERIFICA

8.1 VERIFICA AGLI STATI LIMITE ULTIMI

La verifica di resistenza delle sezioni nei vari elementi strutturali, viene condotta tenendo conto delle sollecitazioni più gravose che si individuano nelle diverse combinazioni di carico.
Le verifiche si basano sul concetto dei coefficienti di sicurezza parziali e considerano due famiglie di combinazioni (indicate come A1-M1 e A2-M2) generate con le seguenti modalità:

- caso A1-M1: in questo tipo di combinazioni vengono incrementati le azioni permanenti e variabili con i coefficienti (γ_G, γ_Q) e vengono lasciate inalterate le caratteristiche di resistenza del terreno. Le combinazioni ottenute sono rilevanti per stabilire la capacità strutturale delle opere che interagiscono con il terreno.
- caso A2-M2: in questo tipo di combinazioni vengono incrementati i carichi variabili e vengono ridotte le caratteristiche di resistenza del terreno (tg(Φ), c' o c_u) secondo i coefficienti parziali ($\gamma_{tan\Phi}$, $\gamma_{c'}$,γ_{cu},q_u) definiti da normativa. Le combinazioni ottenute sono rilevanti per il dimensionamento geotecnico.

Le combinazioni e i coefficienti moltiplicativi delle singole azioni vengono definiti in base a quanto indicato al paragrafo 5.1.3.14. del D.M.17/01/2018.
Le verifiche riportate nella presente relazione sono state eseguite secondo l'APPROCCIO 2.

8.2 VERIFICA AGLI STATI LIMITE DI ESERCIZIO

La verifica in esercizio delle sezioni nei vari elementi strutturali si articola in tre principali categorie di seguito elencate.

8.2.1 Verifiche di fessurazione

La verifica di resistenza delle sezioni nei vari elementi strutturali, viene condotta tenendo conto
Ai fini delle verifiche degli stati limite di esercizio si definiscono le seguenti combinazioni (D.M. del 17.01.2018 §2.5.3):

Rara → $G_1+G_2+Q_{k1}+\Sigma i\psi_{0i}\cdot Q_{ki}$
Frequente → $G_1+G_2+\psi_{11}\cdot Q_{k1}+\Sigma i\psi_{2i}\cdot Q_{ki}$
Quasi permanente → $G_1+G_2+\psi_{21}\cdot Q_{k1}+\Sigma i\psi_{2i}\cdot Q_{ki}$

In relazione all'aggressività ambientale e alla sensibilità dell'acciaio, l'apertura limite delle fessure è riportato nel prospetto seguente:

Gruppi di Esigenze	Condizioni ambientali	Combinazione di azioni	Armatura			
			Sensibile		Poco sensibile	
			Stato limite	w_k	Stato limite	w_k
A	Ordinarie	frequente	apertura fessure	$\leq w_2$	apertura fessure	$\leq w_3$
		quasi permanente	apertura fessure	$\leq w_1$	apertura fessure	$\leq w_2$
B	Aggressive	frequente	apertura fessure	$\leq w_1$	apertura fessure	$\leq w_2$
		quasi permanente	decompressione	-	apertura fessure	$\leq w_1$
C	Molto aggressive	frequente	formazione fessure	-	apertura fessure	$\leq w_1$
		quasi permanente	decompressione	-	apertura fessure	$\leq w_1$

T.4 Criteri di scelta dello stato limite di fessurazione

I valori limite di apertura delle fessure, così come definiti al §4.1.2.2.4 delle NTC2018, sono pari a:

w_1= 0,2 mm w_2= 0,3 mm w_3= 0,4 mm

8.2.2 Verifiche delle tensioni di esercizio

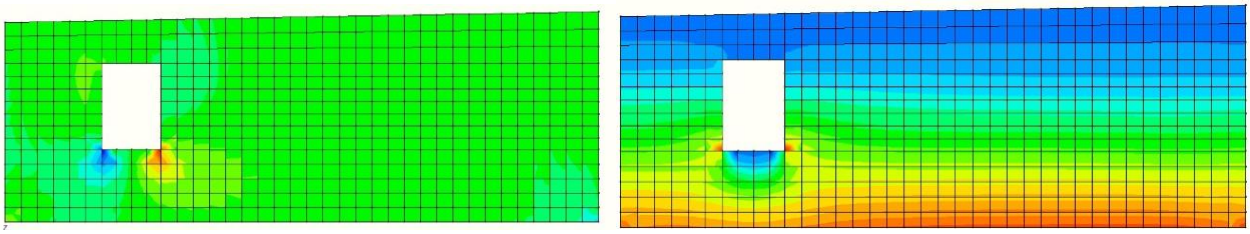
Valutate le azioni interne nelle varie parti della struttura, dovute alle combinazioni caratteristica e quasi permanente delle azioni, si calcolano le massime tensioni sia nel calcestruzzo sia nelle armature; si deve verificare che tali tensioni siano inferiori ai massimi valori consentiti di seguito riportati.

- Tensione massima di compressione del calcestruzzo nelle condizioni di esercizio
  - combinazione rara $\sigma_{c,ad} < 0{,}60 f_{ck}$
  - combinazione quasi permanente $\sigma_{c,ad} < 0{,}45 f_{ck}$
  - combinazione frequente $\sigma_{c,ad} < 1{,}00 f_{ck}$

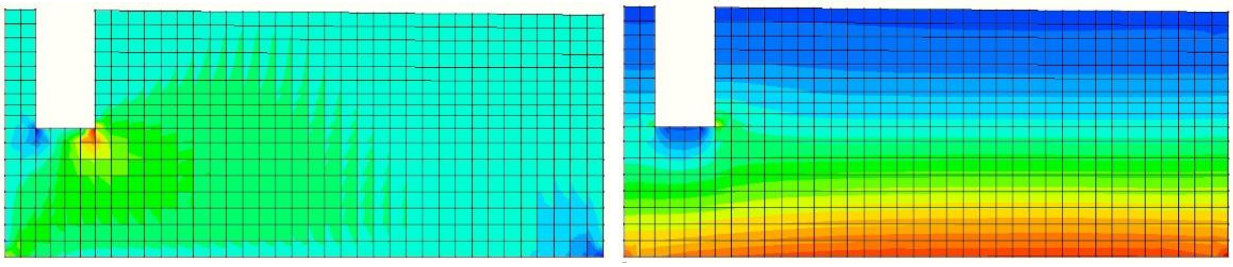
- Tensione massima dell'acciaio in condizioni di esercizio
  - combinazione rara $\sigma_{c,ad} < 0{,}80 f_{yk}$
  - combinazione quasi permanente $\sigma_{c,ad} < 1{,}00 f_{yk}$
  - combinazione frequente $\sigma_{c,ad} < 1{,}00 f_{yk}$

9 RISULTATI DELLE ANALISI

Sia per il Concio E che per il Concio M, l'analisi ha evidenziato una concentrazione di sollecitazioni nell'intorno del foro nel paramento, rispetto alla condizione in assenza di foro.
Tale concentrazione risulta essere maggiore in corrispondenza dei vertici inferiori dei fori; si è reso pertanto necessario, nelle aree in prossimità di tali punti, l'infittimento dell'armatura orizzontale, rispetto a quella già prevista nelle altre sezioni di paramento.
L'infittimento di armatura è stato previsto sia sul lembo teso che su quello compresso del paramento, a vantaggio di sicurezza.
Per maggiori dettagli sulla disposizione di tali armature, si rimanda agi elaborati grafici di progetto.



I.9 Mappe a colori delle sollecitazioni – Paramento concio E



I.10 Mappe a colori delle sollecitazioni – Paramento concio M

9.1 CONCIO E – TABULATI DI CALCOLO

9.1.1 Caratteristiche materiali utilizzati

LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

1	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
		kN/ m2	kN/ m2	kN/ m2		kN/ m2	kN/ m3		
3	Calcestruzzo Classe C28/35			3.260e+07	0.20	1.358e+07	25.0	1.00e-05	
	Resistenza Rc	3.500e+04							
	Resistenza fctm		2835.0						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
5	Calcestruzzo Classe C32/40			3.360e+07	0.20	1.400e+07	25.0	1.00e-05	
	Resistenza Rc	4.000e+04							
	Resistenza fctm		3099.0						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Singolo elemento NON DISSIPATIVO					
Armatura						
Inclinazione Av [gradi]	90.00					
Angolo Av-Ao [gradi]	90.00					
Minima tesa	0.20					
Massima tesa	4.00					
Maglia unica centrale	NO					
Unico strato verticale	NO					
Unico strato orizzontale	NO					
Copriferro [cm]	4.00					
Maglia V						
diametro	16					
passo	20					
diametro aggiuntivi	20					
Maglia O						
diametro	14					
passo	20					
diametro aggiuntivi	14					
Stati limite ultimi						
Tensione fy [kN/ m2]	450000.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Tensioni ammissibili						
Tensione amm. cls [kN/ m2]	9750.00					
Tensione amm. acciaio [kN/ m2]	260000.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Parete estesa debolmente armata						
Fattore amplificazione taglio V	0.0					
Hcrit. par. 7.4.4.5.1 [cm]	0.0					
Hcrit. par. 7.4.6.1.4 [cm]	0.0					
Diagramma inviluppo taglio	NO					
Vincolo lati	nessun lato					
Verifica come fascia	NO					
Diametro di estremità	0					
Zona confinata						
Minima tesa	1.00					
Massima tesa	4.00					
Distanza barre [cm]	2.00					
Interferro	2					
Armatura inclinata						
Area barre [cm2]	0.0					
Angolo orizzontale [gradi]	0.0					
Distanza di base [cm]	0.0					
Resistenza al fuoco						
3- intradosso	NO					
3+ estradosso	NO					
Tempo di esposizione R	15					

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..

Gusci c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Armatura						
Inclinazione Ax [gradi]	0.0					
Angolo Ax-Ay [gradi]	90.00					
Minima tesa	0.10					
Massima tesa	0.78					
Maglia unica centrale	NO					
Copriferro [cm]	4.00					
Maglia x						
diametro	20					
passo	15					
diametro aggiuntivi	20					
Maglia y						
diametro	14					
passo	20					
diametro aggiuntivi	14					
Stati limite ultimi						
Tensione fy [kN/ m2]	450000.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Applica SLU da DIN	NO					
Tensioni ammissibili						
Tensione amm. cls [kN/ m2]	9750.00					
Tensione amm. acciaio [kN/ m2]	260000.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Resistenza al fuoco						
3- intradosso	NO					
3+ estradosso	NO					
Tempo di esposizione R	15					

9.1.2 Modellazione delle sezioni

LEGENDA TABELLA DATI SEZIONI

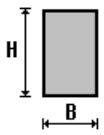
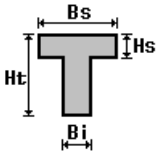
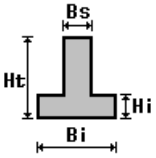
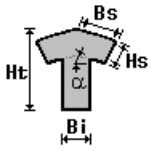
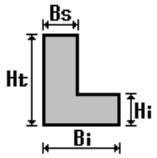
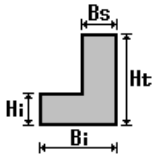
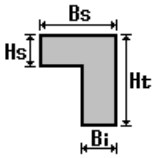
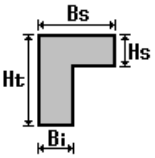
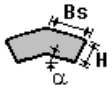
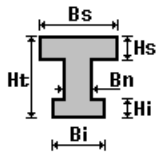
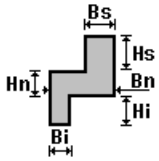
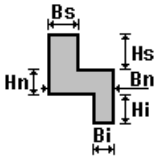
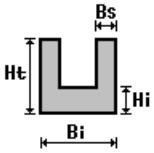
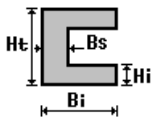
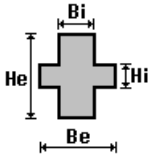
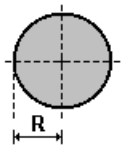
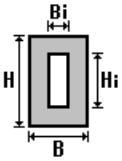
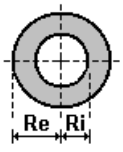
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

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

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

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

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

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

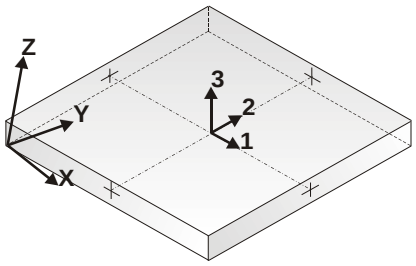
Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

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

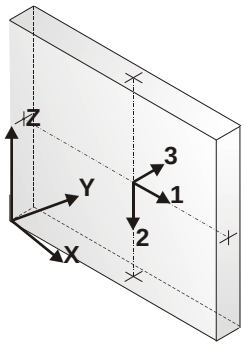
9.1.3 Modellazione struttura: elementi Shell

LEGENDA TABELLA DATI SHELL

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



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

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

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
								cm		daN/cm3	daN/cm3
1	Guscio fond.	23	5	21	22	3	1	65.0		0.32	0.16
2	Guscio fond.	22	21	24	25	3	1	65.0		0.32	0.16
3	Guscio fond.	25	24	26	27	3	1	65.0		0.32	0.16
4	Guscio fond.	27	26	28	29	3	1	65.0		0.32	0.16
5	Guscio fond.	29	28	30	31	3	1	65.0		0.32	0.16
6	Guscio fond.	31	30	32	33	3	1	65.0		0.32	0.16
7	Guscio fond.	35	23	22	34	3	1	65.0		0.32	0.16
8	Guscio fond.	34	22	25	36	3	1	65.0		0.32	0.16
9	Guscio fond.	36	25	27	37	3	1	65.0		0.32	0.16
10	Guscio fond.	37	27	29	38	3	1	65.0		0.32	0.16
11	Guscio fond.	38	29	31	39	3	1	65.0		0.32	0.16
12	Guscio fond.	39	31	33	40	3	1	65.0		0.32	0.16
13	Guscio fond.	42	35	34	41	3	1	65.0		0.32	0.16
14	Guscio fond.	41	34	36	43	3	1	65.0		0.32	0.16
15	Guscio fond.	43	36	37	44	3	1	65.0		0.32	0.16
16	Guscio fond.	44	37	38	45	3	1	65.0		0.32	0.16
17	Guscio fond.	45	38	39	46	3	1	65.0		0.32	0.16
18	Guscio fond.	46	39	40	47	3	1	65.0		0.32	0.16
19	Guscio fond.	49	42	41	48	3	1	65.0		0.32	0.16
20	Guscio fond.	48	41	43	50	3	1	65.0		0.32	0.16
21	Guscio fond.	50	43	44	51	3	1	65.0		0.32	0.16
22	Guscio fond.	51	44	45	52	3	1	65.0		0.32	0.16
23	Guscio fond.	52	45	46	53	3	1	65.0		0.32	0.16
24	Guscio fond.	53	46	47	54	3	1	65.0		0.32	0.16
25	Guscio fond.	56	49	48	55	3	1	65.0		0.32	0.16
26	Guscio fond.	55	48	50	57	3	1	65.0		0.32	0.16
27	Guscio fond.	57	50	51	58	3	1	65.0		0.32	0.16
28	Guscio fond.	58	51	52	59	3	1	65.0		0.32	0.16
29	Guscio fond.	59	52	53	60	3	1	65.0		0.32	0.16
30	Guscio fond.	60	53	54	61	3	1	65.0		0.32	0.16
31	Guscio fond.	63	56	55	62	3	1	65.0		0.32	0.16
32	Guscio fond.	62	55	57	64	3	1	65.0		0.32	0.16
33	Guscio fond.	64	57	58	65	3	1	65.0		0.32	0.16
34	Guscio fond.	65	58	59	66	3	1	65.0		0.32	0.16
35	Guscio fond.	66	59	60	67	3	1	65.0		0.32	0.16
36	Guscio fond.	67	60	61	68	3	1	65.0		0.32	0.16
37	Guscio fond.	70	63	62	69	3	1	65.0		0.32	0.16
38	Guscio fond.	69	62	64	71	3	1	65.0		0.32	0.16
39	Guscio fond.	71	64	65	72	3	1	65.0		0.32	0.16
40	Guscio fond.	72	65	66	73	3	1	65.0		0.32	0.16
41	Guscio fond.	73	66	67	74	3	1	65.0		0.32	0.16
42	Guscio fond.	74	67	68	75	3	1	65.0		0.32	0.16
43	Guscio fond.	77	70	69	76	3	1	65.0		0.32	0.16
44	Guscio fond.	76	69	71	78	3	1	65.0		0.32	0.16
45	Guscio fond.	78	71	72	79	3	1	65.0		0.32	0.16
46	Guscio fond.	79	72	73	80	3	1	65.0		0.32	0.16
47	Guscio fond.	80	73	74	81	3	1	65.0		0.32	0.16
48	Guscio fond.	81	74	75	82	3	1	65.0		0.32	0.16
49	Guscio fond.	84	77	76	83	3	1	65.0		0.32	0.16
50	Guscio fond.	83	76	78	85	3	1	65.0		0.32	0.16
51	Guscio fond.	85	78	79	86	3	1	65.0		0.32	0.16
52	Guscio fond.	86	79	80	87	3	1	65.0		0.32	0.16
53	Guscio fond.	87	80	81	88	3	1	65.0		0.32	0.16
54	Guscio fond.	88	81	82	89	3	1	65.0		0.32	0.16
55	Guscio fond.	91	84	83	90	3	1	65.0		0.32	0.16
56	Guscio fond.	90	83	85	92	3	1	65.0		0.32	0.16
57	Guscio fond.	92	85	86	93	3	1	65.0		0.32	0.16
58	Guscio fond.	93	86	87	94	3	1	65.0		0.32	0.16
59	Guscio fond.	94	87	88	95	3	1	65.0		0.32	0.16
60	Guscio fond.	95	88	89	96	3	1	65.0		0.32	0.16
61	Guscio fond.	98	91	90	97	3	1	65.0		0.32	0.16
62	Guscio fond.	97	90	92	99	3	1	65.0		0.32	0.16
63	Guscio fond.	99	92	93	100	3	1	65.0		0.32	0.16
64	Guscio fond.	100	93	94	101	3	1	65.0		0.32	0.16
65	Guscio fond.	101	94	95	102	3	1	65.0		0.32	0.16
66	Guscio fond.	102	95	96	103	3	1	65.0		0.32	0.16
67	Guscio fond.	105	98	97	104	3	1	65.0		0.32	0.16
68	Guscio fond.	104	97	99	106	3	1	65.0		0.32	0.16
69	Guscio fond.	106	99	100	107	3	1	65.0		0.32	0.16
70	Guscio fond.	107	100	101	108	3	1	65.0		0.32	0.16
71	Guscio fond.	108	101	102	109	3	1	65.0		0.32	0.16
72	Guscio fond.	109	102	103	110	3	1	65.0		0.32	0.16
73	Guscio fond.	112	105	104	111	3	1	65.0		0.32	0.16

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
74	Guscio fond.	111	104	106	113	3	1	65.0		0.32	0.16
75	Guscio fond.	113	106	107	114	3	1	65.0		0.32	0.16
76	Guscio fond.	114	107	108	115	3	1	65.0		0.32	0.16
77	Guscio fond.	115	108	109	116	3	1	65.0		0.32	0.16
78	Guscio fond.	116	109	110	117	3	1	65.0		0.32	0.16
79	Guscio fond.	3	112	111	118	3	1	65.0		0.32	0.16
80	Guscio fond.	118	111	113	119	3	1	65.0		0.32	0.16
81	Guscio fond.	119	113	114	120	3	1	65.0		0.32	0.16
82	Guscio fond.	120	114	115	121	3	1	65.0		0.32	0.16
83	Guscio fond.	121	115	116	122	3	1	65.0		0.32	0.16
84	Guscio fond.	122	116	117	19	3	1	65.0		0.32	0.16
85	Guscio fond.	33	32	123	124	3	1	65.0		0.32	0.16
86	Guscio fond.	124	123	125	126	3	1	65.0		0.32	0.16
87	Guscio fond.	126	125	127	128	3	1	65.0		0.32	0.16
88	Guscio fond.	128	127	129	130	3	1	65.0		0.32	0.16
89	Guscio fond.	40	33	124	131	3	1	65.0		0.32	0.16
90	Guscio fond.	131	124	126	132	3	1	65.0		0.32	0.16
91	Guscio fond.	132	126	128	133	3	1	65.0		0.32	0.16
92	Guscio fond.	133	128	130	134	3	1	65.0		0.32	0.16
93	Guscio fond.	47	40	131	135	3	1	65.0		0.32	0.16
94	Guscio fond.	135	131	132	136	3	1	65.0		0.32	0.16
95	Guscio fond.	136	132	133	137	3	1	65.0		0.32	0.16
96	Guscio fond.	137	133	134	138	3	1	65.0		0.32	0.16
97	Guscio fond.	54	47	135	139	3	1	65.0		0.32	0.16
98	Guscio fond.	139	135	136	140	3	1	65.0		0.32	0.16
99	Guscio fond.	140	136	137	141	3	1	65.0		0.32	0.16
100	Guscio fond.	141	137	138	142	3	1	65.0		0.32	0.16
101	Guscio fond.	61	54	139	143	3	1	65.0		0.32	0.16
102	Guscio fond.	143	139	140	144	3	1	65.0		0.32	0.16
103	Guscio fond.	144	140	141	145	3	1	65.0		0.32	0.16
104	Guscio fond.	145	141	142	146	3	1	65.0		0.32	0.16
105	Guscio fond.	68	61	143	147	3	1	65.0		0.32	0.16
106	Guscio fond.	147	143	144	148	3	1	65.0		0.32	0.16
107	Guscio fond.	148	144	145	149	3	1	65.0		0.32	0.16
108	Guscio fond.	149	145	146	150	3	1	65.0		0.32	0.16
109	Guscio fond.	75	68	147	151	3	1	65.0		0.32	0.16
110	Guscio fond.	151	147	148	152	3	1	65.0		0.32	0.16
111	Guscio fond.	152	148	149	153	3	1	65.0		0.32	0.16
112	Guscio fond.	153	149	150	154	3	1	65.0		0.32	0.16
113	Guscio fond.	82	75	151	155	3	1	65.0		0.32	0.16
114	Guscio fond.	155	151	152	156	3	1	65.0		0.32	0.16
115	Guscio fond.	156	152	153	157	3	1	65.0		0.32	0.16
116	Guscio fond.	157	153	154	158	3	1	65.0		0.32	0.16
117	Guscio fond.	89	82	155	159	3	1	65.0		0.32	0.16
118	Guscio fond.	159	155	156	160	3	1	65.0		0.32	0.16
119	Guscio fond.	160	156	157	161	3	1	65.0		0.32	0.16
120	Guscio fond.	161	157	158	162	3	1	65.0		0.32	0.16
121	Guscio fond.	96	89	159	163	3	1	65.0		0.32	0.16
122	Guscio fond.	163	159	160	164	3	1	65.0		0.32	0.16
123	Guscio fond.	164	160	161	165	3	1	65.0		0.32	0.16
124	Guscio fond.	165	161	162	166	3	1	65.0		0.32	0.16
125	Guscio fond.	103	96	163	167	3	1	65.0		0.32	0.16
126	Guscio fond.	167	163	164	168	3	1	65.0		0.32	0.16
127	Guscio fond.	168	164	165	169	3	1	65.0		0.32	0.16
128	Guscio fond.	169	165	166	170	3	1	65.0		0.32	0.16
129	Guscio fond.	110	103	167	171	3	1	65.0		0.32	0.16
130	Guscio fond.	171	167	168	172	3	1	65.0		0.32	0.16
131	Guscio fond.	172	168	169	173	3	1	65.0		0.32	0.16
132	Guscio fond.	173	169	170	174	3	1	65.0		0.32	0.16
133	Guscio fond.	117	110	171	175	3	1	65.0		0.32	0.16
134	Guscio fond.	175	171	172	176	3	1	65.0		0.32	0.16
135	Guscio fond.	176	172	173	177	3	1	65.0		0.32	0.16
136	Guscio fond.	177	173	174	178	3	1	65.0		0.32	0.16
137	Guscio fond.	19	117	175	179	3	1	65.0		0.32	0.16
138	Guscio fond.	179	175	176	180	3	1	65.0		0.32	0.16
139	Guscio fond.	180	176	177	181	3	1	65.0		0.32	0.16
140	Guscio fond.	181	177	178	20	3	1	65.0		0.32	0.16
141	Guscio fond.	130	129	182	183	3	1	65.0		0.32	0.16
142	Guscio fond.	183	182	184	185	3	1	65.0		0.32	0.16
143	Guscio fond.	185	184	186	187	3	1	65.0		0.32	0.16
144	Guscio fond.	187	186	188	189	3	1	65.0		0.32	0.16
145	Guscio fond.	189	188	190	191	3	1	65.0		0.32	0.16
146	Guscio fond.	191	190	192	193	3	1	65.0		0.32	0.16
147	Guscio fond.	193	192	194	195	3	1	65.0		0.32	0.16
148	Guscio fond.	195	194	196	197	3	1	65.0		0.32	0.16

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
149	Guscio fond.	197	196	198	199	3	1	65.0		0.32	0.16
150	Guscio fond.	199	198	200	201	3	1	65.0		0.32	0.16
151	Guscio fond.	201	200	202	203	3	1	65.0		0.32	0.16
152	Guscio fond.	203	202	204	205	3	1	65.0		0.32	0.16
153	Guscio fond.	205	204	206	207	3	1	65.0		0.32	0.16
154	Guscio fond.	207	206	208	209	3	1	65.0		0.32	0.16
155	Guscio fond.	209	208	210	211	3	1	65.0		0.32	0.16
156	Guscio fond.	211	210	212	213	3	1	65.0		0.32	0.16
157	Guscio fond.	213	212	214	215	3	1	65.0		0.32	0.16
158	Guscio fond.	215	214	216	217	3	1	65.0		0.32	0.16
159	Guscio fond.	217	216	218	219	3	1	65.0		0.32	0.16
160	Guscio fond.	219	218	220	221	3	1	65.0		0.32	0.16
161	Guscio fond.	221	220	222	223	3	1	65.0		0.32	0.16
162	Guscio fond.	223	222	224	225	3	1	65.0		0.32	0.16
163	Guscio fond.	225	224	226	227	3	1	65.0		0.32	0.16
164	Guscio fond.	227	226	228	229	3	1	65.0		0.32	0.16
165	Guscio fond.	229	228	230	231	3	1	65.0		0.32	0.16
166	Guscio fond.	231	230	232	233	3	1	65.0		0.32	0.16
167	Guscio fond.	233	232	6	234	3	1	65.0		0.32	0.16
168	Guscio fond.	134	130	183	235	3	1	65.0		0.32	0.16
169	Guscio fond.	235	183	185	236	3	1	65.0		0.32	0.16
170	Guscio fond.	236	185	187	237	3	1	65.0		0.32	0.16
171	Guscio fond.	237	187	189	238	3	1	65.0		0.32	0.16
172	Guscio fond.	238	189	191	239	3	1	65.0		0.32	0.16
173	Guscio fond.	239	191	193	240	3	1	65.0		0.32	0.16
174	Guscio fond.	240	193	195	241	3	1	65.0		0.32	0.16
175	Guscio fond.	241	195	197	242	3	1	65.0		0.32	0.16
176	Guscio fond.	242	197	199	243	3	1	65.0		0.32	0.16
177	Guscio fond.	243	199	201	244	3	1	65.0		0.32	0.16
178	Guscio fond.	244	201	203	245	3	1	65.0		0.32	0.16
179	Guscio fond.	245	203	205	246	3	1	65.0		0.32	0.16
180	Guscio fond.	246	205	207	247	3	1	65.0		0.32	0.16
181	Guscio fond.	247	207	209	248	3	1	65.0		0.32	0.16
182	Guscio fond.	248	209	211	249	3	1	65.0		0.32	0.16
183	Guscio fond.	249	211	213	250	3	1	65.0		0.32	0.16
184	Guscio fond.	250	213	215	251	3	1	65.0		0.32	0.16
185	Guscio fond.	251	215	217	252	3	1	65.0		0.32	0.16
186	Guscio fond.	252	217	219	253	3	1	65.0		0.32	0.16
187	Guscio fond.	253	219	221	254	3	1	65.0		0.32	0.16
188	Guscio fond.	254	221	223	255	3	1	65.0		0.32	0.16
189	Guscio fond.	255	223	225	256	3	1	65.0		0.32	0.16
190	Guscio fond.	256	225	227	257	3	1	65.0		0.32	0.16
191	Guscio fond.	257	227	229	258	3	1	65.0		0.32	0.16
192	Guscio fond.	258	229	231	259	3	1	65.0		0.32	0.16
193	Guscio fond.	259	231	233	260	3	1	65.0		0.32	0.16
194	Guscio fond.	260	233	234	261	3	1	65.0		0.32	0.16
195	Guscio fond.	138	134	235	262	3	1	65.0		0.32	0.16
196	Guscio fond.	262	235	236	263	3	1	65.0		0.32	0.16
197	Guscio fond.	263	236	237	264	3	1	65.0		0.32	0.16
198	Guscio fond.	264	237	238	265	3	1	65.0		0.32	0.16
199	Guscio fond.	265	238	239	266	3	1	65.0		0.32	0.16
200	Guscio fond.	266	239	240	267	3	1	65.0		0.32	0.16
201	Guscio fond.	267	240	241	268	3	1	65.0		0.32	0.16
202	Guscio fond.	268	241	242	269	3	1	65.0		0.32	0.16
203	Guscio fond.	269	242	243	270	3	1	65.0		0.32	0.16
204	Guscio fond.	270	243	244	271	3	1	65.0		0.32	0.16
205	Guscio fond.	271	244	245	272	3	1	65.0		0.32	0.16
206	Guscio fond.	272	245	246	273	3	1	65.0		0.32	0.16
207	Guscio fond.	273	246	247	274	3	1	65.0		0.32	0.16
208	Guscio fond.	274	247	248	275	3	1	65.0		0.32	0.16
209	Guscio fond.	275	248	249	276	3	1	65.0		0.32	0.16
210	Guscio fond.	276	249	250	277	3	1	65.0		0.32	0.16
211	Guscio fond.	277	250	251	278	3	1	65.0		0.32	0.16
212	Guscio fond.	278	251	252	279	3	1	65.0		0.32	0.16
213	Guscio fond.	279	252	253	280	3	1	65.0		0.32	0.16
214	Guscio fond.	280	253	254	281	3	1	65.0		0.32	0.16
215	Guscio fond.	281	254	255	282	3	1	65.0		0.32	0.16
216	Guscio fond.	282	255	256	283	3	1	65.0		0.32	0.16
217	Guscio fond.	283	256	257	284	3	1	65.0		0.32	0.16
218	Guscio fond.	284	257	258	285	3	1	65.0		0.32	0.16
219	Guscio fond.	285	258	259	286	3	1	65.0		0.32	0.16
220	Guscio fond.	286	259	260	287	3	1	65.0		0.32	0.16
221	Guscio fond.	287	260	261	288	3	1	65.0		0.32	0.16
222	Guscio fond.	142	138	262	289	3	1	65.0		0.32	0.16
223	Guscio fond.	289	262	263	290	3	1	65.0		0.32	0.16

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
224	Guscio fond.	290	263	264	291	3	1	65.0		0.32	0.16
225	Guscio fond.	291	264	265	292	3	1	65.0		0.32	0.16
226	Guscio fond.	292	265	266	293	3	1	65.0		0.32	0.16
227	Guscio fond.	293	266	267	294	3	1	65.0		0.32	0.16
228	Guscio fond.	294	267	268	295	3	1	65.0		0.32	0.16
229	Guscio fond.	295	268	269	296	3	1	65.0		0.32	0.16
230	Guscio fond.	296	269	270	297	3	1	65.0		0.32	0.16
231	Guscio fond.	297	270	271	298	3	1	65.0		0.32	0.16
232	Guscio fond.	298	271	272	299	3	1	65.0		0.32	0.16
233	Guscio fond.	299	272	273	300	3	1	65.0		0.32	0.16
234	Guscio fond.	300	273	274	301	3	1	65.0		0.32	0.16
235	Guscio fond.	301	274	275	302	3	1	65.0		0.32	0.16
236	Guscio fond.	302	275	276	303	3	1	65.0		0.32	0.16
237	Guscio fond.	303	276	277	304	3	1	65.0		0.32	0.16
238	Guscio fond.	304	277	278	305	3	1	65.0		0.32	0.16
239	Guscio fond.	305	278	279	306	3	1	65.0		0.32	0.16
240	Guscio fond.	306	279	280	307	3	1	65.0		0.32	0.16
241	Guscio fond.	307	280	281	308	3	1	65.0		0.32	0.16
242	Guscio fond.	308	281	282	309	3	1	65.0		0.32	0.16
243	Guscio fond.	309	282	283	310	3	1	65.0		0.32	0.16
244	Guscio fond.	310	283	284	311	3	1	65.0		0.32	0.16
245	Guscio fond.	311	284	285	312	3	1	65.0		0.32	0.16
246	Guscio fond.	312	285	286	313	3	1	65.0		0.32	0.16
247	Guscio fond.	313	286	287	314	3	1	65.0		0.32	0.16
248	Guscio fond.	314	287	288	315	3	1	65.0		0.32	0.16
249	Guscio fond.	146	142	289	316	3	1	65.0		0.32	0.16
250	Guscio fond.	316	289	290	317	3	1	65.0		0.32	0.16
251	Guscio fond.	317	290	291	318	3	1	65.0		0.32	0.16
252	Guscio fond.	318	291	292	319	3	1	65.0		0.32	0.16
253	Guscio fond.	319	292	293	320	3	1	65.0		0.32	0.16
254	Guscio fond.	320	293	294	321	3	1	65.0		0.32	0.16
255	Guscio fond.	321	294	295	322	3	1	65.0		0.32	0.16
256	Guscio fond.	322	295	296	323	3	1	65.0		0.32	0.16
257	Guscio fond.	323	296	297	324	3	1	65.0		0.32	0.16
258	Guscio fond.	324	297	298	325	3	1	65.0		0.32	0.16
259	Guscio fond.	325	298	299	326	3	1	65.0		0.32	0.16
260	Guscio fond.	326	299	300	327	3	1	65.0		0.32	0.16
261	Guscio fond.	327	300	301	328	3	1	65.0		0.32	0.16
262	Guscio fond.	328	301	302	329	3	1	65.0		0.32	0.16
263	Guscio fond.	329	302	303	330	3	1	65.0		0.32	0.16
264	Guscio fond.	330	303	304	331	3	1	65.0		0.32	0.16
265	Guscio fond.	331	304	305	332	3	1	65.0		0.32	0.16
266	Guscio fond.	332	305	306	333	3	1	65.0		0.32	0.16
267	Guscio fond.	333	306	307	334	3	1	65.0		0.32	0.16
268	Guscio fond.	334	307	308	335	3	1	65.0		0.32	0.16
269	Guscio fond.	335	308	309	336	3	1	65.0		0.32	0.16
270	Guscio fond.	336	309	310	337	3	1	65.0		0.32	0.16
271	Guscio fond.	337	310	311	338	3	1	65.0		0.32	0.16
272	Guscio fond.	338	311	312	339	3	1	65.0		0.32	0.16
273	Guscio fond.	339	312	313	340	3	1	65.0		0.32	0.16
274	Guscio fond.	340	313	314	341	3	1	65.0		0.32	0.16
275	Guscio fond.	341	314	315	342	3	1	65.0		0.32	0.16
276	Guscio fond.	150	146	316	343	3	1	65.0		0.32	0.16
277	Guscio fond.	343	316	317	344	3	1	65.0		0.32	0.16
278	Guscio fond.	344	317	318	345	3	1	65.0		0.32	0.16
279	Guscio fond.	345	318	319	346	3	1	65.0		0.32	0.16
280	Guscio fond.	346	319	320	347	3	1	65.0		0.32	0.16
281	Guscio fond.	347	320	321	348	3	1	65.0		0.32	0.16
282	Guscio fond.	348	321	322	349	3	1	65.0		0.32	0.16
283	Guscio fond.	349	322	323	350	3	1	65.0		0.32	0.16
284	Guscio fond.	350	323	324	351	3	1	65.0		0.32	0.16
285	Guscio fond.	351	324	325	352	3	1	65.0		0.32	0.16
286	Guscio fond.	352	325	326	353	3	1	65.0		0.32	0.16
287	Guscio fond.	353	326	327	354	3	1	65.0		0.32	0.16
288	Guscio fond.	354	327	328	355	3	1	65.0		0.32	0.16
289	Guscio fond.	355	328	329	356	3	1	65.0		0.32	0.16
290	Guscio fond.	356	329	330	357	3	1	65.0		0.32	0.16
291	Guscio fond.	357	330	331	358	3	1	65.0		0.32	0.16
292	Guscio fond.	358	331	332	359	3	1	65.0		0.32	0.16
293	Guscio fond.	359	332	333	360	3	1	65.0		0.32	0.16
294	Guscio fond.	360	333	334	361	3	1	65.0		0.32	0.16
295	Guscio fond.	361	334	335	362	3	1	65.0		0.32	0.16
296	Guscio fond.	362	335	336	363	3	1	65.0		0.32	0.16
297	Guscio fond.	363	336	337	364	3	1	65.0		0.32	0.16
298	Guscio fond.	364	337	338	365	3	1	65.0		0.32	0.16

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
299	Guscio fond.	365	338	339	366	3	1	65.0		0.32	0.16
300	Guscio fond.	366	339	340	367	3	1	65.0		0.32	0.16
301	Guscio fond.	367	340	341	368	3	1	65.0		0.32	0.16
302	Guscio fond.	368	341	342	369	3	1	65.0		0.32	0.16
303	Guscio fond.	154	150	343	370	3	1	65.0		0.32	0.16
304	Guscio fond.	370	343	344	371	3	1	65.0		0.32	0.16
305	Guscio fond.	371	344	345	372	3	1	65.0		0.32	0.16
306	Guscio fond.	372	345	346	373	3	1	65.0		0.32	0.16
307	Guscio fond.	373	346	347	374	3	1	65.0		0.32	0.16
308	Guscio fond.	374	347	348	375	3	1	65.0		0.32	0.16
309	Guscio fond.	375	348	349	376	3	1	65.0		0.32	0.16
310	Guscio fond.	376	349	350	377	3	1	65.0		0.32	0.16
311	Guscio fond.	377	350	351	378	3	1	65.0		0.32	0.16
312	Guscio fond.	378	351	352	379	3	1	65.0		0.32	0.16
313	Guscio fond.	379	352	353	380	3	1	65.0		0.32	0.16
314	Guscio fond.	380	353	354	381	3	1	65.0		0.32	0.16
315	Guscio fond.	381	354	355	382	3	1	65.0		0.32	0.16
316	Guscio fond.	382	355	356	383	3	1	65.0		0.32	0.16
317	Guscio fond.	383	356	357	384	3	1	65.0		0.32	0.16
318	Guscio fond.	384	357	358	385	3	1	65.0		0.32	0.16
319	Guscio fond.	385	358	359	386	3	1	65.0		0.32	0.16
320	Guscio fond.	386	359	360	387	3	1	65.0		0.32	0.16
321	Guscio fond.	387	360	361	388	3	1	65.0		0.32	0.16
322	Guscio fond.	388	361	362	389	3	1	65.0		0.32	0.16
323	Guscio fond.	389	362	363	390	3	1	65.0		0.32	0.16
324	Guscio fond.	390	363	364	391	3	1	65.0		0.32	0.16
325	Guscio fond.	391	364	365	392	3	1	65.0		0.32	0.16
326	Guscio fond.	392	365	366	393	3	1	65.0		0.32	0.16
327	Guscio fond.	393	366	367	394	3	1	65.0		0.32	0.16
328	Guscio fond.	394	367	368	395	3	1	65.0		0.32	0.16
329	Guscio fond.	395	368	369	396	3	1	65.0		0.32	0.16
330	Guscio fond.	158	154	370	397	3	1	65.0		0.32	0.16
331	Guscio fond.	397	370	371	398	3	1	65.0		0.32	0.16
332	Guscio fond.	398	371	372	399	3	1	65.0		0.32	0.16
333	Guscio fond.	399	372	373	400	3	1	65.0		0.32	0.16
334	Guscio fond.	400	373	374	401	3	1	65.0		0.32	0.16
335	Guscio fond.	401	374	375	402	3	1	65.0		0.32	0.16
336	Guscio fond.	402	375	376	403	3	1	65.0		0.32	0.16
337	Guscio fond.	403	376	377	404	3	1	65.0		0.32	0.16
338	Guscio fond.	404	377	378	405	3	1	65.0		0.32	0.16
339	Guscio fond.	405	378	379	406	3	1	65.0		0.32	0.16
340	Guscio fond.	406	379	380	407	3	1	65.0		0.32	0.16
341	Guscio fond.	407	380	381	408	3	1	65.0		0.32	0.16
342	Guscio fond.	408	381	382	409	3	1	65.0		0.32	0.16
343	Guscio fond.	409	382	383	410	3	1	65.0		0.32	0.16
344	Guscio fond.	410	383	384	411	3	1	65.0		0.32	0.16
345	Guscio fond.	411	384	385	412	3	1	65.0		0.32	0.16
346	Guscio fond.	412	385	386	413	3	1	65.0		0.32	0.16
347	Guscio fond.	413	386	387	414	3	1	65.0		0.32	0.16
348	Guscio fond.	414	387	388	415	3	1	65.0		0.32	0.16
349	Guscio fond.	415	388	389	416	3	1	65.0		0.32	0.16
350	Guscio fond.	416	389	390	417	3	1	65.0		0.32	0.16
351	Guscio fond.	417	390	391	418	3	1	65.0		0.32	0.16
352	Guscio fond.	418	391	392	419	3	1	65.0		0.32	0.16
353	Guscio fond.	419	392	393	420	3	1	65.0		0.32	0.16
354	Guscio fond.	420	393	394	421	3	1	65.0		0.32	0.16
355	Guscio fond.	421	394	395	422	3	1	65.0		0.32	0.16
356	Guscio fond.	422	395	396	423	3	1	65.0		0.32	0.16
357	Guscio fond.	162	158	397	424	3	1	65.0		0.32	0.16
358	Guscio fond.	424	397	398	425	3	1	65.0		0.32	0.16
359	Guscio fond.	425	398	399	426	3	1	65.0		0.32	0.16
360	Guscio fond.	426	399	400	427	3	1	65.0		0.32	0.16
361	Guscio fond.	427	400	401	428	3	1	65.0		0.32	0.16
362	Guscio fond.	428	401	402	429	3	1	65.0		0.32	0.16
363	Guscio fond.	429	402	403	430	3	1	65.0		0.32	0.16
364	Guscio fond.	430	403	404	431	3	1	65.0		0.32	0.16
365	Guscio fond.	431	404	405	432	3	1	65.0		0.32	0.16
366	Guscio fond.	432	405	406	433	3	1	65.0		0.32	0.16
367	Guscio fond.	433	406	407	434	3	1	65.0		0.32	0.16
368	Guscio fond.	434	407	408	435	3	1	65.0		0.32	0.16
369	Guscio fond.	435	408	409	436	3	1	65.0		0.32	0.16
370	Guscio fond.	436	409	410	437	3	1	65.0		0.32	0.16
371	Guscio fond.	437	410	411	438	3	1	65.0		0.32	0.16
372	Guscio fond.	438	411	412	439	3	1	65.0		0.32	0.16
373	Guscio fond.	439	412	413	440	3	1	65.0		0.32	0.16

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
374	Guscio fond.	440	413	414	441	3	1	65.0		0.32	0.16
375	Guscio fond.	441	414	415	442	3	1	65.0		0.32	0.16
376	Guscio fond.	442	415	416	443	3	1	65.0		0.32	0.16
377	Guscio fond.	443	416	417	444	3	1	65.0		0.32	0.16
378	Guscio fond.	444	417	418	445	3	1	65.0		0.32	0.16
379	Guscio fond.	445	418	419	446	3	1	65.0		0.32	0.16
380	Guscio fond.	446	419	420	447	3	1	65.0		0.32	0.16
381	Guscio fond.	447	420	421	448	3	1	65.0		0.32	0.16
382	Guscio fond.	448	421	422	449	3	1	65.0		0.32	0.16
383	Guscio fond.	449	422	423	450	3	1	65.0		0.32	0.16
384	Guscio fond.	166	162	424	451	3	1	65.0		0.32	0.16
385	Guscio fond.	451	424	425	452	3	1	65.0		0.32	0.16
386	Guscio fond.	452	425	426	453	3	1	65.0		0.32	0.16
387	Guscio fond.	453	426	427	454	3	1	65.0		0.32	0.16
388	Guscio fond.	454	427	428	455	3	1	65.0		0.32	0.16
389	Guscio fond.	455	428	429	456	3	1	65.0		0.32	0.16
390	Guscio fond.	456	429	430	457	3	1	65.0		0.32	0.16
391	Guscio fond.	457	430	431	458	3	1	65.0		0.32	0.16
392	Guscio fond.	458	431	432	459	3	1	65.0		0.32	0.16
393	Guscio fond.	459	432	433	460	3	1	65.0		0.32	0.16
394	Guscio fond.	460	433	434	461	3	1	65.0		0.32	0.16
395	Guscio fond.	461	434	435	462	3	1	65.0		0.32	0.16
396	Guscio fond.	462	435	436	463	3	1	65.0		0.32	0.16
397	Guscio fond.	463	436	437	464	3	1	65.0		0.32	0.16
398	Guscio fond.	464	437	438	465	3	1	65.0		0.32	0.16
399	Guscio fond.	465	438	439	466	3	1	65.0		0.32	0.16
400	Guscio fond.	466	439	440	467	3	1	65.0		0.32	0.16
401	Guscio fond.	467	440	441	468	3	1	65.0		0.32	0.16
402	Guscio fond.	468	441	442	469	3	1	65.0		0.32	0.16
403	Guscio fond.	469	442	443	470	3	1	65.0		0.32	0.16
404	Guscio fond.	470	443	444	471	3	1	65.0		0.32	0.16
405	Guscio fond.	471	444	445	472	3	1	65.0		0.32	0.16
406	Guscio fond.	472	445	446	473	3	1	65.0		0.32	0.16
407	Guscio fond.	473	446	447	474	3	1	65.0		0.32	0.16
408	Guscio fond.	474	447	448	475	3	1	65.0		0.32	0.16
409	Guscio fond.	475	448	449	476	3	1	65.0		0.32	0.16
410	Guscio fond.	476	449	450	477	3	1	65.0		0.32	0.16
411	Guscio fond.	170	166	451	478	3	1	65.0		0.32	0.16
412	Guscio fond.	478	451	452	479	3	1	65.0		0.32	0.16
413	Guscio fond.	479	452	453	480	3	1	65.0		0.32	0.16
414	Guscio fond.	480	453	454	481	3	1	65.0		0.32	0.16
415	Guscio fond.	481	454	455	482	3	1	65.0		0.32	0.16
416	Guscio fond.	482	455	456	483	3	1	65.0		0.32	0.16
417	Guscio fond.	483	456	457	484	3	1	65.0		0.32	0.16
418	Guscio fond.	484	457	458	485	3	1	65.0		0.32	0.16
419	Guscio fond.	485	458	459	486	3	1	65.0		0.32	0.16
420	Guscio fond.	486	459	460	487	3	1	65.0		0.32	0.16
421	Guscio fond.	487	460	461	488	3	1	65.0		0.32	0.16
422	Guscio fond.	488	461	462	489	3	1	65.0		0.32	0.16
423	Guscio fond.	489	462	463	490	3	1	65.0		0.32	0.16
424	Guscio fond.	490	463	464	491	3	1	65.0		0.32	0.16
425	Guscio fond.	491	464	465	492	3	1	65.0		0.32	0.16
426	Guscio fond.	492	465	466	493	3	1	65.0		0.32	0.16
427	Guscio fond.	493	466	467	494	3	1	65.0		0.32	0.16
428	Guscio fond.	494	467	468	495	3	1	65.0		0.32	0.16
429	Guscio fond.	495	468	469	496	3	1	65.0		0.32	0.16
430	Guscio fond.	496	469	470	497	3	1	65.0		0.32	0.16
431	Guscio fond.	497	470	471	498	3	1	65.0		0.32	0.16
432	Guscio fond.	498	471	472	499	3	1	65.0		0.32	0.16
433	Guscio fond.	499	472	473	500	3	1	65.0		0.32	0.16
434	Guscio fond.	500	473	474	501	3	1	65.0		0.32	0.16
435	Guscio fond.	501	474	475	502	3	1	65.0		0.32	0.16
436	Guscio fond.	502	475	476	503	3	1	65.0		0.32	0.16
437	Guscio fond.	503	476	477	504	3	1	65.0		0.32	0.16
438	Guscio fond.	174	170	478	505	3	1	65.0		0.32	0.16
439	Guscio fond.	505	478	479	506	3	1	65.0		0.32	0.16
440	Guscio fond.	506	479	480	507	3	1	65.0		0.32	0.16
441	Guscio fond.	507	480	481	508	3	1	65.0		0.32	0.16
442	Guscio fond.	508	481	482	509	3	1	65.0		0.32	0.16
443	Guscio fond.	509	482	483	510	3	1	65.0		0.32	0.16
444	Guscio fond.	510	483	484	511	3	1	65.0		0.32	0.16
445	Guscio fond.	511	484	485	512	3	1	65.0		0.32	0.16
446	Guscio fond.	512	485	486	513	3	1	65.0		0.32	0.16
447	Guscio fond.	513	486	487	514	3	1	65.0		0.32	0.16
448	Guscio fond.	514	487	488	515	3	1	65.0		0.32	0.16

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
449	Guscio fond.	515	488	489	516	3	1	65.0		0.32	0.16
450	Guscio fond.	516	489	490	517	3	1	65.0		0.32	0.16
451	Guscio fond.	517	490	491	518	3	1	65.0		0.32	0.16
452	Guscio fond.	518	491	492	519	3	1	65.0		0.32	0.16
453	Guscio fond.	519	492	493	520	3	1	65.0		0.32	0.16
454	Guscio fond.	520	493	494	521	3	1	65.0		0.32	0.16
455	Guscio fond.	521	494	495	522	3	1	65.0		0.32	0.16
456	Guscio fond.	522	495	496	523	3	1	65.0		0.32	0.16
457	Guscio fond.	523	496	497	524	3	1	65.0		0.32	0.16
458	Guscio fond.	524	497	498	525	3	1	65.0		0.32	0.16
459	Guscio fond.	525	498	499	526	3	1	65.0		0.32	0.16
460	Guscio fond.	526	499	500	527	3	1	65.0		0.32	0.16
461	Guscio fond.	527	500	501	528	3	1	65.0		0.32	0.16
462	Guscio fond.	528	501	502	529	3	1	65.0		0.32	0.16
463	Guscio fond.	529	502	503	530	3	1	65.0		0.32	0.16
464	Guscio fond.	530	503	504	531	3	1	65.0		0.32	0.16
465	Guscio fond.	178	174	505	532	3	1	65.0		0.32	0.16
466	Guscio fond.	532	505	506	533	3	1	65.0		0.32	0.16
467	Guscio fond.	533	506	507	534	3	1	65.0		0.32	0.16
468	Guscio fond.	534	507	508	535	3	1	65.0		0.32	0.16
469	Guscio fond.	535	508	509	536	3	1	65.0		0.32	0.16
470	Guscio fond.	536	509	510	537	3	1	65.0		0.32	0.16
471	Guscio fond.	537	510	511	538	3	1	65.0		0.32	0.16
472	Guscio fond.	538	511	512	539	3	1	65.0		0.32	0.16
473	Guscio fond.	539	512	513	540	3	1	65.0		0.32	0.16
474	Guscio fond.	540	513	514	541	3	1	65.0		0.32	0.16
475	Guscio fond.	541	514	515	542	3	1	65.0		0.32	0.16
476	Guscio fond.	542	515	516	543	3	1	65.0		0.32	0.16
477	Guscio fond.	543	516	517	544	3	1	65.0		0.32	0.16
478	Guscio fond.	544	517	518	545	3	1	65.0		0.32	0.16
479	Guscio fond.	545	518	519	546	3	1	65.0		0.32	0.16
480	Guscio fond.	546	519	520	547	3	1	65.0		0.32	0.16
481	Guscio fond.	547	520	521	548	3	1	65.0		0.32	0.16
482	Guscio fond.	548	521	522	549	3	1	65.0		0.32	0.16
483	Guscio fond.	549	522	523	550	3	1	65.0		0.32	0.16
484	Guscio fond.	550	523	524	551	3	1	65.0		0.32	0.16
485	Guscio fond.	551	524	525	552	3	1	65.0		0.32	0.16
486	Guscio fond.	552	525	526	553	3	1	65.0		0.32	0.16
487	Guscio fond.	553	526	527	554	3	1	65.0		0.32	0.16
488	Guscio fond.	554	527	528	555	3	1	65.0		0.32	0.16
489	Guscio fond.	555	528	529	556	3	1	65.0		0.32	0.16
490	Guscio fond.	556	529	530	557	3	1	65.0		0.32	0.16
491	Guscio fond.	557	530	531	558	3	1	65.0		0.32	0.16
492	Guscio fond.	20	178	532	559	3	1	65.0		0.32	0.16
493	Guscio fond.	559	532	533	560	3	1	65.0		0.32	0.16
494	Guscio fond.	560	533	534	561	3	1	65.0		0.32	0.16
495	Guscio fond.	561	534	535	562	3	1	65.0		0.32	0.16
496	Guscio fond.	562	535	536	563	3	1	65.0		0.32	0.16
497	Guscio fond.	563	536	537	564	3	1	65.0		0.32	0.16
498	Guscio fond.	564	537	538	565	3	1	65.0		0.32	0.16
499	Guscio fond.	565	538	539	566	3	1	65.0		0.32	0.16
500	Guscio fond.	566	539	540	567	3	1	65.0		0.32	0.16
501	Guscio fond.	567	540	541	568	3	1	65.0		0.32	0.16
502	Guscio fond.	568	541	542	569	3	1	65.0		0.32	0.16
503	Guscio fond.	569	542	543	570	3	1	65.0		0.32	0.16
504	Guscio fond.	570	543	544	571	3	1	65.0		0.32	0.16
505	Guscio fond.	571	544	545	572	3	1	65.0		0.32	0.16
506	Guscio fond.	572	545	546	573	3	1	65.0		0.32	0.16
507	Guscio fond.	573	546	547	574	3	1	65.0		0.32	0.16
508	Guscio fond.	574	547	548	575	3	1	65.0		0.32	0.16
509	Guscio fond.	575	548	549	576	3	1	65.0		0.32	0.16
510	Guscio fond.	576	549	550	577	3	1	65.0		0.32	0.16
511	Guscio fond.	577	550	551	578	3	1	65.0		0.32	0.16
512	Guscio fond.	578	551	552	579	3	1	65.0		0.32	0.16
513	Guscio fond.	579	552	553	580	3	1	65.0		0.32	0.16
514	Guscio fond.	580	553	554	581	3	1	65.0		0.32	0.16
515	Guscio fond.	581	554	555	582	3	1	65.0		0.32	0.16
516	Guscio fond.	582	555	556	583	3	1	65.0		0.32	0.16
517	Guscio fond.	583	556	557	584	3	1	65.0		0.32	0.16
518	Guscio fond.	584	557	558	4	3	1	65.0		0.32	0.16
519	Guscio fond.	588	3	118	587	3	1	65.0		0.32	0.16
520	Guscio fond.	587	118	119	589	3	1	65.0		0.32	0.16
521	Guscio fond.	589	119	120	590	3	1	65.0		0.32	0.16
522	Guscio fond.	590	120	121	591	3	1	65.0		0.32	0.16
523	Guscio fond.	591	121	122	592	3	1	65.0		0.32	0.16

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
524	Guscio fond.	592	122	19	593	3	1	65.0		0.32	0.16
525	Guscio fond.	595	588	587	594	3	1	65.0		0.32	0.16
526	Guscio fond.	594	587	589	596	3	1	65.0		0.32	0.16
527	Guscio fond.	596	589	590	597	3	1	65.0		0.32	0.16
528	Guscio fond.	597	590	591	598	3	1	65.0		0.32	0.16
529	Guscio fond.	598	591	592	599	3	1	65.0		0.32	0.16
530	Guscio fond.	599	592	593	600	3	1	65.0		0.32	0.16
531	Guscio fond.	1	595	594	601	3	1	65.0		0.32	0.16
532	Guscio fond.	601	594	596	602	3	1	65.0		0.32	0.16
533	Guscio fond.	602	596	597	603	3	1	65.0		0.32	0.16
534	Guscio fond.	603	597	598	604	3	1	65.0		0.32	0.16
535	Guscio fond.	604	598	599	605	3	1	65.0		0.32	0.16
536	Guscio fond.	605	599	600	585	3	1	65.0		0.32	0.16
537	Guscio fond.	593	19	179	606	3	1	65.0		0.32	0.16
538	Guscio fond.	606	179	180	607	3	1	65.0		0.32	0.16
539	Guscio fond.	607	180	181	608	3	1	65.0		0.32	0.16
540	Guscio fond.	608	181	20	609	3	1	65.0		0.32	0.16
541	Guscio fond.	600	593	606	610	3	1	65.0		0.32	0.16
542	Guscio fond.	610	606	607	611	3	1	65.0		0.32	0.16
543	Guscio fond.	611	607	608	612	3	1	65.0		0.32	0.16
544	Guscio fond.	612	608	609	613	3	1	65.0		0.32	0.16
545	Guscio fond.	585	600	610	614	3	1	65.0		0.32	0.16
546	Guscio fond.	614	610	611	615	3	1	65.0		0.32	0.16
547	Guscio fond.	615	611	612	616	3	1	65.0		0.32	0.16
548	Guscio fond.	616	612	613	586	3	1	65.0		0.32	0.16
549	Guscio fond.	609	20	559	617	3	1	65.0		0.32	0.16
550	Guscio fond.	617	559	560	618	3	1	65.0		0.32	0.16
551	Guscio fond.	618	560	561	619	3	1	65.0		0.32	0.16
552	Guscio fond.	619	561	562	620	3	1	65.0		0.32	0.16
553	Guscio fond.	620	562	563	621	3	1	65.0		0.32	0.16
554	Guscio fond.	621	563	564	622	3	1	65.0		0.32	0.16
555	Guscio fond.	622	564	565	623	3	1	65.0		0.32	0.16
556	Guscio fond.	623	565	566	624	3	1	65.0		0.32	0.16
557	Guscio fond.	624	566	567	625	3	1	65.0		0.32	0.16
558	Guscio fond.	625	567	568	626	3	1	65.0		0.32	0.16
559	Guscio fond.	626	568	569	627	3	1	65.0		0.32	0.16
560	Guscio fond.	627	569	570	628	3	1	65.0		0.32	0.16
561	Guscio fond.	628	570	571	629	3	1	65.0		0.32	0.16
562	Guscio fond.	629	571	572	630	3	1	65.0		0.32	0.16
563	Guscio fond.	630	572	573	631	3	1	65.0		0.32	0.16
564	Guscio fond.	631	573	574	632	3	1	65.0		0.32	0.16
565	Guscio fond.	632	574	575	633	3	1	65.0		0.32	0.16
566	Guscio fond.	633	575	576	634	3	1	65.0		0.32	0.16
567	Guscio fond.	634	576	577	635	3	1	65.0		0.32	0.16
568	Guscio fond.	635	577	578	636	3	1	65.0		0.32	0.16
569	Guscio fond.	636	578	579	637	3	1	65.0		0.32	0.16
570	Guscio fond.	637	579	580	638	3	1	65.0		0.32	0.16
571	Guscio fond.	638	580	581	639	3	1	65.0		0.32	0.16
572	Guscio fond.	639	581	582	640	3	1	65.0		0.32	0.16
573	Guscio fond.	640	582	583	641	3	1	65.0		0.32	0.16
574	Guscio fond.	641	583	584	642	3	1	65.0		0.32	0.16
575	Guscio fond.	642	584	4	643	3	1	65.0		0.32	0.16
576	Guscio fond.	613	609	617	644	3	1	65.0		0.32	0.16
577	Guscio fond.	644	617	618	645	3	1	65.0		0.32	0.16
578	Guscio fond.	645	618	619	646	3	1	65.0		0.32	0.16
579	Guscio fond.	646	619	620	647	3	1	65.0		0.32	0.16
580	Guscio fond.	647	620	621	648	3	1	65.0		0.32	0.16
581	Guscio fond.	648	621	622	649	3	1	65.0		0.32	0.16
582	Guscio fond.	649	622	623	650	3	1	65.0		0.32	0.16
583	Guscio fond.	650	623	624	651	3	1	65.0		0.32	0.16
584	Guscio fond.	651	624	625	652	3	1	65.0		0.32	0.16
585	Guscio fond.	652	625	626	653	3	1	65.0		0.32	0.16
586	Guscio fond.	653	626	627	654	3	1	65.0		0.32	0.16
587	Guscio fond.	654	627	628	655	3	1	65.0		0.32	0.16
588	Guscio fond.	655	628	629	656	3	1	65.0		0.32	0.16
589	Guscio fond.	656	629	630	657	3	1	65.0		0.32	0.16
590	Guscio fond.	657	630	631	658	3	1	65.0		0.32	0.16
591	Guscio fond.	658	631	632	659	3	1	65.0		0.32	0.16
592	Guscio fond.	659	632	633	660	3	1	65.0		0.32	0.16
593	Guscio fond.	660	633	634	661	3	1	65.0		0.32	0.16
594	Guscio fond.	661	634	635	662	3	1	65.0		0.32	0.16
595	Guscio fond.	662	635	636	663	3	1	65.0		0.32	0.16
596	Guscio fond.	663	636	637	664	3	1	65.0		0.32	0.16
597	Guscio fond.	664	637	638	665	3	1	65.0		0.32	0.16
598	Guscio fond.	665	638	639	666	3	1	65.0		0.32	0.16

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
599	Guscio fond.	666	639	640	667	3	1	65.0		0.32	0.16
600	Guscio fond.	667	640	641	668	3	1	65.0		0.32	0.16
601	Guscio fond.	668	641	642	669	3	1	65.0		0.32	0.16
602	Guscio fond.	669	642	643	670	3	1	65.0		0.32	0.16
603	Guscio fond.	586	613	644	671	3	1	65.0		0.32	0.16
604	Guscio fond.	671	644	645	672	3	1	65.0		0.32	0.16
605	Guscio fond.	672	645	646	673	3	1	65.0		0.32	0.16
606	Guscio fond.	673	646	647	674	3	1	65.0		0.32	0.16
607	Guscio fond.	674	647	648	675	3	1	65.0		0.32	0.16
608	Guscio fond.	675	648	649	676	3	1	65.0		0.32	0.16
609	Guscio fond.	676	649	650	677	3	1	65.0		0.32	0.16
610	Guscio fond.	677	650	651	678	3	1	65.0		0.32	0.16
611	Guscio fond.	678	651	652	679	3	1	65.0		0.32	0.16
612	Guscio fond.	679	652	653	680	3	1	65.0		0.32	0.16
613	Guscio fond.	680	653	654	681	3	1	65.0		0.32	0.16
614	Guscio fond.	681	654	655	682	3	1	65.0		0.32	0.16
615	Guscio fond.	682	655	656	683	3	1	65.0		0.32	0.16
616	Guscio fond.	683	656	657	684	3	1	65.0		0.32	0.16
617	Guscio fond.	684	657	658	685	3	1	65.0		0.32	0.16
618	Guscio fond.	685	658	659	686	3	1	65.0		0.32	0.16
619	Guscio fond.	686	659	660	687	3	1	65.0		0.32	0.16
620	Guscio fond.	687	660	661	688	3	1	65.0		0.32	0.16
621	Guscio fond.	688	661	662	689	3	1	65.0		0.32	0.16
622	Guscio fond.	689	662	663	690	3	1	65.0		0.32	0.16
623	Guscio fond.	690	663	664	691	3	1	65.0		0.32	0.16
624	Guscio fond.	691	664	665	692	3	1	65.0		0.32	0.16
625	Guscio fond.	692	665	666	693	3	1	65.0		0.32	0.16
626	Guscio fond.	693	666	667	694	3	1	65.0		0.32	0.16
627	Guscio fond.	694	667	668	695	3	1	65.0		0.32	0.16
628	Guscio fond.	695	668	669	696	3	1	65.0		0.32	0.16
629	Guscio fond.	696	669	670	2	3	1	65.0		0.32	0.16
630	Setto	3	118	715	699	5	1	60.0			
631	Setto	118	119	716	715	5	1	60.0			
632	Setto	119	120	717	716	5	1	60.0			
633	Setto	120	121	718	717	5	1	60.0			
634	Setto	121	122	719	718	5	1	60.0			
635	Setto	122	19	701	719	5	1	60.0			
636	Setto	19	179	720	701	5	1	60.0			
637	Setto	179	180	721	720	5	1	60.0			
638	Setto	180	181	722	721	5	1	60.0			
639	Setto	181	20	702	722	5	1	60.0			
640	Setto	20	559	723	702	5	1	60.0			
641	Setto	559	560	724	723	5	1	60.0			
642	Setto	560	561	725	724	5	1	60.0			
643	Setto	561	562	726	725	5	1	60.0			
644	Setto	562	563	727	726	5	1	60.0			
645	Setto	563	564	728	727	5	1	60.0			
646	Setto	564	565	729	728	5	1	60.0			
647	Setto	565	566	730	729	5	1	60.0			
648	Setto	566	567	731	730	5	1	60.0			
649	Setto	567	568	732	731	5	1	60.0			
650	Setto	568	569	733	732	5	1	60.0			
651	Setto	569	570	734	733	5	1	60.0			
652	Setto	570	571	735	734	5	1	60.0			
653	Setto	571	572	736	735	5	1	60.0			
654	Setto	572	573	737	736	5	1	60.0			
655	Setto	573	574	738	737	5	1	60.0			
656	Setto	574	575	739	738	5	1	60.0			
657	Setto	575	576	740	739	5	1	60.0			
658	Setto	576	577	741	740	5	1	60.0			
659	Setto	577	578	742	741	5	1	60.0			
660	Setto	578	579	743	742	5	1	60.0			
661	Setto	579	580	744	743	5	1	60.0			
662	Setto	580	581	745	744	5	1	60.0			
663	Setto	581	582	746	745	5	1	60.0			
664	Setto	582	583	747	746	5	1	60.0			
665	Setto	583	584	748	747	5	1	60.0			
666	Setto	584	4	700	748	5	1	60.0			
667	Setto	699	715	749	703	5	1	57.3			
668	Setto	715	716	750	749	5	1	57.3			
669	Setto	716	717	751	750	5	1	57.3			
670	Setto	717	718	752	751	5	1	57.3			
671	Setto	718	719	753	752	5	1	57.3			
672	Setto	719	701	705	753	5	1	57.3			
673	Setto	701	720	754	705	5	1	57.3			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
674	Setto	720	721	755	754	5	1	57.3			
675	Setto	721	722	756	755	5	1	57.3			
676	Setto	722	702	706	756	5	1	57.3			
677	Setto	702	723	757	706	5	1	57.3			
678	Setto	723	724	758	757	5	1	57.3			
679	Setto	724	725	759	758	5	1	57.3			
680	Setto	725	726	760	759	5	1	57.3			
681	Setto	726	727	761	760	5	1	57.3			
682	Setto	727	728	762	761	5	1	57.3			
683	Setto	728	729	763	762	5	1	57.3			
684	Setto	729	730	764	763	5	1	57.3			
685	Setto	730	731	765	764	5	1	57.3			
686	Setto	731	732	766	765	5	1	57.3			
687	Setto	732	733	767	766	5	1	57.3			
688	Setto	733	734	768	767	5	1	57.3			
689	Setto	734	735	769	768	5	1	57.3			
690	Setto	735	736	770	769	5	1	57.3			
691	Setto	736	737	771	770	5	1	57.3			
692	Setto	737	738	772	771	5	1	57.3			
693	Setto	738	739	773	772	5	1	57.3			
694	Setto	739	740	774	773	5	1	57.3			
695	Setto	740	741	775	774	5	1	57.3			
696	Setto	741	742	776	775	5	1	57.3			
697	Setto	742	743	777	776	5	1	57.3			
698	Setto	743	744	778	777	5	1	57.3			
699	Setto	744	745	779	778	5	1	57.3			
700	Setto	745	746	780	779	5	1	57.3			
701	Setto	746	747	781	780	5	1	57.3			
702	Setto	747	748	782	781	5	1	57.3			
703	Setto	748	700	704	782	5	1	57.3			
704	Setto	703	749	783	707	5	1	54.6			
705	Setto	749	750	784	783	5	1	54.6			
706	Setto	750	751	785	784	5	1	54.6			
707	Setto	751	752	786	785	5	1	54.6			
708	Setto	752	753	787	786	5	1	54.6			
709	Setto	753	705	709	787	5	1	54.6			
710	Setto	705	754	788	709	5	1	54.6			
711	Setto	754	755	789	788	5	1	54.6			
712	Setto	755	756	790	789	5	1	54.6			
713	Setto	756	706	710	790	5	1	54.6			
714	Setto	706	757	791	710	5	1	54.6			
715	Setto	757	758	792	791	5	1	54.6			
716	Setto	758	759	793	792	5	1	54.6			
717	Setto	759	760	794	793	5	1	54.6			
718	Setto	760	761	795	794	5	1	54.6			
719	Setto	761	762	796	795	5	1	54.6			
720	Setto	762	763	797	796	5	1	54.6			
721	Setto	763	764	798	797	5	1	54.6			
722	Setto	764	765	799	798	5	1	54.6			
723	Setto	765	766	800	799	5	1	54.6			
724	Setto	766	767	801	800	5	1	54.6			
725	Setto	767	768	802	801	5	1	54.6			
726	Setto	768	769	803	802	5	1	54.6			
727	Setto	769	770	804	803	5	1	54.6			
728	Setto	770	771	805	804	5	1	54.6			
729	Setto	771	772	806	805	5	1	54.6			
730	Setto	772	773	807	806	5	1	54.6			
731	Setto	773	774	808	807	5	1	54.6			
732	Setto	774	775	809	808	5	1	54.6			
733	Setto	775	776	810	809	5	1	54.6			
734	Setto	776	777	811	810	5	1	54.6			
735	Setto	777	778	812	811	5	1	54.6			
736	Setto	778	779	813	812	5	1	54.6			
737	Setto	779	780	814	813	5	1	54.6			
738	Setto	780	781	815	814	5	1	54.6			
739	Setto	781	782	816	815	5	1	54.6			
740	Setto	782	704	708	816	5	1	54.6			
741	Setto	707	783	817	711	5	1	52.0			
742	Setto	783	784	818	817	5	1	52.0			
743	Setto	784	785	819	818	5	1	52.0			
744	Setto	785	786	820	819	5	1	52.0			
745	Setto	786	787	821	820	5	1	52.0			
746	Setto	787	709	713	821	5	1	52.0			
747	Setto	709	788	822	713	5	1	52.0			
748	Setto	788	789	823	822	5	1	52.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
749	Setto	789	790	824	823	5	1	52.0			
750	Setto	790	710	714	824	5	1	52.0			
751	Setto	710	791	825	714	5	1	52.0			
752	Setto	791	792	826	825	5	1	52.0			
753	Setto	792	793	827	826	5	1	52.0			
754	Setto	793	794	828	827	5	1	52.0			
755	Setto	794	795	829	828	5	1	52.0			
756	Setto	795	796	830	829	5	1	52.0			
757	Setto	796	797	831	830	5	1	52.0			
758	Setto	797	798	832	831	5	1	52.0			
759	Setto	798	799	833	832	5	1	52.0			
760	Setto	799	800	834	833	5	1	52.0			
761	Setto	800	801	835	834	5	1	52.0			
762	Setto	801	802	836	835	5	1	52.0			
763	Setto	802	803	837	836	5	1	52.0			
764	Setto	803	804	838	837	5	1	52.0			
765	Setto	804	805	839	838	5	1	52.0			
766	Setto	805	806	840	839	5	1	52.0			
767	Setto	806	807	841	840	5	1	52.0			
768	Setto	807	808	842	841	5	1	52.0			
769	Setto	808	809	843	842	5	1	52.0			
770	Setto	809	810	844	843	5	1	52.0			
771	Setto	810	811	845	844	5	1	52.0			
772	Setto	811	812	846	845	5	1	52.0			
773	Setto	812	813	847	846	5	1	52.0			
774	Setto	813	814	848	847	5	1	52.0			
775	Setto	814	815	849	848	5	1	52.0			
776	Setto	815	816	850	849	5	1	52.0			
777	Setto	816	708	712	850	5	1	52.0			
778	Setto	711	817	851	7	5	1	49.3			
779	Setto	817	818	852	851	5	1	49.3			
780	Setto	818	819	853	852	5	1	49.3			
781	Setto	819	820	854	853	5	1	49.3			
782	Setto	820	821	855	854	5	1	49.3			
783	Setto	821	713	15	855	5	1	49.3			
784	Setto	713	822	856	15	5	1	49.3			
785	Setto	822	823	857	856	5	1	49.3			
786	Setto	823	824	858	857	5	1	49.3			
787	Setto	824	714	17	858	5	1	49.3			
788	Setto	714	825	859	17	5	1	49.3			
789	Setto	825	826	860	859	5	1	49.3			
790	Setto	826	827	861	860	5	1	49.3			
791	Setto	827	828	862	861	5	1	49.3			
792	Setto	828	829	863	862	5	1	49.3			
793	Setto	829	830	864	863	5	1	49.3			
794	Setto	830	831	865	864	5	1	49.3			
795	Setto	831	832	866	865	5	1	49.3			
796	Setto	832	833	867	866	5	1	49.3			
797	Setto	833	834	868	867	5	1	49.3			
798	Setto	834	835	869	868	5	1	49.3			
799	Setto	835	836	870	869	5	1	49.3			
800	Setto	836	837	871	870	5	1	49.3			
801	Setto	837	838	872	871	5	1	49.3			
802	Setto	838	839	873	872	5	1	49.3			
803	Setto	839	840	874	873	5	1	49.3			
804	Setto	840	841	875	874	5	1	49.3			
805	Setto	841	842	876	875	5	1	49.3			
806	Setto	842	843	877	876	5	1	49.3			
807	Setto	843	844	878	877	5	1	49.3			
808	Setto	844	845	879	878	5	1	49.3			
809	Setto	845	846	880	879	5	1	49.3			
810	Setto	846	847	881	880	5	1	49.3			
811	Setto	847	848	882	881	5	1	49.3			
812	Setto	848	849	883	882	5	1	49.3			
813	Setto	849	850	884	883	5	1	49.3			
814	Setto	850	712	8	884	5	1	49.3			
815	Setto	7	851	896	885	5	1	47.1			
816	Setto	851	852	897	896	5	1	47.1			
817	Setto	852	853	898	897	5	1	47.1			
818	Setto	853	854	899	898	5	1	47.1			
819	Setto	854	855	900	899	5	1	47.1			
820	Setto	855	15	887	900	5	1	47.1			
821	Setto	17	859	901	888	5	1	47.1			
822	Setto	859	860	902	901	5	1	47.1			
823	Setto	860	861	903	902	5	1	47.1			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
824	Setto	861	862	904	903	5	1	47.1			
825	Setto	862	863	905	904	5	1	47.1			
826	Setto	863	864	906	905	5	1	47.1			
827	Setto	864	865	907	906	5	1	47.1			
828	Setto	865	866	908	907	5	1	47.1			
829	Setto	866	867	909	908	5	1	47.1			
830	Setto	867	868	910	909	5	1	47.1			
831	Setto	868	869	911	910	5	1	47.1			
832	Setto	869	870	912	911	5	1	47.1			
833	Setto	870	871	913	912	5	1	47.1			
834	Setto	871	872	914	913	5	1	47.1			
835	Setto	872	873	915	914	5	1	47.1			
836	Setto	873	874	916	915	5	1	47.1			
837	Setto	874	875	917	916	5	1	47.1			
838	Setto	875	876	918	917	5	1	47.1			
839	Setto	876	877	919	918	5	1	47.1			
840	Setto	877	878	920	919	5	1	47.1			
841	Setto	878	879	921	920	5	1	47.1			
842	Setto	879	880	922	921	5	1	47.1			
843	Setto	880	881	923	922	5	1	47.1			
844	Setto	881	882	924	923	5	1	47.1			
845	Setto	882	883	925	924	5	1	47.1			
846	Setto	883	884	926	925	5	1	47.1			
847	Setto	884	8	886	926	5	1	47.1			
848	Setto	885	896	927	889	5	1	44.9			
849	Setto	896	897	928	927	5	1	44.9			
850	Setto	897	898	929	928	5	1	44.9			
851	Setto	898	899	930	929	5	1	44.9			
852	Setto	899	900	931	930	5	1	44.9			
853	Setto	900	887	891	931	5	1	44.9			
854	Setto	888	901	932	892	5	1	44.9			
855	Setto	901	902	933	932	5	1	44.9			
856	Setto	902	903	934	933	5	1	44.9			
857	Setto	903	904	935	934	5	1	44.9			
858	Setto	904	905	936	935	5	1	44.9			
859	Setto	905	906	937	936	5	1	44.9			
860	Setto	906	907	938	937	5	1	44.9			
861	Setto	907	908	939	938	5	1	44.9			
862	Setto	908	909	940	939	5	1	44.9			
863	Setto	909	910	941	940	5	1	44.9			
864	Setto	910	911	942	941	5	1	44.9			
865	Setto	911	912	943	942	5	1	44.9			
866	Setto	912	913	944	943	5	1	44.9			
867	Setto	913	914	945	944	5	1	44.9			
868	Setto	914	915	946	945	5	1	44.9			
869	Setto	915	916	947	946	5	1	44.9			
870	Setto	916	917	948	947	5	1	44.9			
871	Setto	917	918	949	948	5	1	44.9			
872	Setto	918	919	950	949	5	1	44.9			
873	Setto	919	920	951	950	5	1	44.9			
874	Setto	920	921	952	951	5	1	44.9			
875	Setto	921	922	953	952	5	1	44.9			
876	Setto	922	923	954	953	5	1	44.9			
877	Setto	923	924	955	954	5	1	44.9			
878	Setto	924	925	956	955	5	1	44.9			
879	Setto	925	926	957	956	5	1	44.9			
880	Setto	926	886	890	957	5	1	44.9			
881	Setto	889	927	958	13	5	1	42.7			
882	Setto	927	928	959	958	5	1	42.7			
883	Setto	928	929	960	959	5	1	42.7			
884	Setto	929	930	961	960	5	1	42.7			
885	Setto	930	931	962	961	5	1	42.7			
886	Setto	931	891	894	962	5	1	42.7			
887	Setto	892	932	963	895	5	1	42.7			
888	Setto	932	933	964	963	5	1	42.7			
889	Setto	933	934	965	964	5	1	42.7			
890	Setto	934	935	966	965	5	1	42.7			
891	Setto	935	936	967	966	5	1	42.7			
892	Setto	936	937	968	967	5	1	42.7			
893	Setto	937	938	969	968	5	1	42.7			
894	Setto	938	939	970	969	5	1	42.7			
895	Setto	939	940	971	970	5	1	42.7			
896	Setto	940	941	972	971	5	1	42.7			
897	Setto	941	942	973	972	5	1	42.7			
898	Setto	942	943	974	973	5	1	42.7			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
899	Setto	943	944	975	974	5	1	42.7			
900	Setto	944	945	976	975	5	1	42.7			
901	Setto	945	946	977	976	5	1	42.7			
902	Setto	946	947	978	977	5	1	42.7			
903	Setto	947	948	979	978	5	1	42.7			
904	Setto	948	949	980	979	5	1	42.7			
905	Setto	949	950	981	980	5	1	42.7			
906	Setto	950	951	982	981	5	1	42.7			
907	Setto	951	952	983	982	5	1	42.7			
908	Setto	952	953	984	983	5	1	42.7			
909	Setto	953	954	985	984	5	1	42.7			
910	Setto	954	955	986	985	5	1	42.7			
911	Setto	955	956	987	986	5	1	42.7			
912	Setto	956	957	893	987	5	1	42.7			
913	Setto	957	890	14	893	5	1	42.7			
914	Setto	13	958	989	988	5	1	40.0			
915	Setto	988	989	991	990	5	1	40.0			
916	Setto	990	991	993	992	5	1	40.0			
917	Setto	992	993	994	9	5	1	40.0			
918	Setto	958	959	995	989	5	1	40.0			
919	Setto	989	995	996	991	5	1	40.0			
920	Setto	991	996	997	993	5	1	40.0			
921	Setto	993	997	998	994	5	1	40.0			
922	Setto	959	960	999	995	5	1	40.0			
923	Setto	995	999	1000	996	5	1	40.0			
924	Setto	996	1000	1001	997	5	1	40.0			
925	Setto	997	1001	1002	998	5	1	40.0			
926	Setto	960	961	1003	999	5	1	40.0			
927	Setto	999	1003	1004	1000	5	1	40.0			
928	Setto	1000	1004	1005	1001	5	1	40.0			
929	Setto	1001	1005	1006	1002	5	1	40.0			
930	Setto	961	962	1007	1003	5	1	40.0			
931	Setto	1003	1007	1008	1004	5	1	40.0			
932	Setto	1004	1008	1009	1005	5	1	40.0			
933	Setto	1005	1009	1010	1006	5	1	40.0			
934	Setto	962	894	1011	1007	5	1	40.0			
935	Setto	1007	1011	1012	1008	5	1	40.0			
936	Setto	1008	1012	1013	1009	5	1	40.0			
937	Setto	1009	1013	16	1010	5	1	40.0			
938	Setto	895	963	1015	1014	5	1	40.0			
939	Setto	1014	1015	1017	1016	5	1	40.0			
940	Setto	1016	1017	1019	1018	5	1	40.0			
941	Setto	1018	1019	1020	18	5	1	40.0			
942	Setto	963	964	1021	1015	5	1	40.0			
943	Setto	1015	1021	1022	1017	5	1	40.0			
944	Setto	1017	1022	1023	1019	5	1	40.0			
945	Setto	1019	1023	1024	1020	5	1	40.0			
946	Setto	964	965	1025	1021	5	1	40.0			
947	Setto	1021	1025	1026	1022	5	1	40.0			
948	Setto	1022	1026	1027	1023	5	1	40.0			
949	Setto	1023	1027	1028	1024	5	1	40.0			
950	Setto	965	966	1029	1025	5	1	40.0			
951	Setto	1025	1029	1030	1026	5	1	40.0			
952	Setto	1026	1030	1031	1027	5	1	40.0			
953	Setto	1027	1031	1032	1028	5	1	40.0			
954	Setto	966	967	1033	1029	5	1	40.0			
955	Setto	1029	1033	1034	1030	5	1	40.0			
956	Setto	1030	1034	1035	1031	5	1	40.0			
957	Setto	1031	1035	1036	1032	5	1	40.0			
958	Setto	967	968	1037	1033	5	1	40.0			
959	Setto	1033	1037	1038	1034	5	1	40.0			
960	Setto	1034	1038	1039	1035	5	1	40.0			
961	Setto	1035	1039	1040	1036	5	1	40.0			
962	Setto	968	969	1041	1037	5	1	40.0			
963	Setto	1037	1041	1042	1038	5	1	40.0			
964	Setto	1038	1042	1043	1039	5	1	40.0			
965	Setto	1039	1043	1044	1040	5	1	40.0			
966	Setto	969	970	1045	1041	5	1	40.0			
967	Setto	1041	1045	1046	1042	5	1	40.0			
968	Setto	1042	1046	1047	1043	5	1	40.0			
969	Setto	1043	1047	1048	1044	5	1	40.0			
970	Setto	970	971	1049	1045	5	1	40.0			
971	Setto	1045	1049	1050	1046	5	1	40.0			
972	Setto	1046	1050	1051	1047	5	1	40.0			
973	Setto	1047	1051	1052	1048	5	1	40.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
974	Setto	971	972	1053	1049	5	1	40.0			
975	Setto	1049	1053	1054	1050	5	1	40.0			
976	Setto	1050	1054	1055	1051	5	1	40.0			
977	Setto	1051	1055	1056	1052	5	1	40.0			
978	Setto	972	973	1057	1053	5	1	40.0			
979	Setto	1053	1057	1058	1054	5	1	40.0			
980	Setto	1054	1058	1059	1055	5	1	40.0			
981	Setto	1055	1059	1060	1056	5	1	40.0			
982	Setto	973	974	1061	1057	5	1	40.0			
983	Setto	1057	1061	1062	1058	5	1	40.0			
984	Setto	1058	1062	1063	1059	5	1	40.0			
985	Setto	1059	1063	1064	1060	5	1	40.0			
986	Setto	974	975	1065	1061	5	1	40.0			
987	Setto	1061	1065	1066	1062	5	1	40.0			
988	Setto	1062	1066	1067	1063	5	1	40.0			
989	Setto	1063	1067	1068	1064	5	1	40.0			
990	Setto	975	976	1069	1065	5	1	40.0			
991	Setto	1065	1069	1070	1066	5	1	40.0			
992	Setto	1066	1070	1071	1067	5	1	40.0			
993	Setto	1067	1071	1072	1068	5	1	40.0			
994	Setto	976	977	1073	1069	5	1	40.0			
995	Setto	1069	1073	1074	1070	5	1	40.0			
996	Setto	1070	1074	1075	1071	5	1	40.0			
997	Setto	1071	1075	1076	1072	5	1	40.0			
998	Setto	977	978	1077	1073	5	1	40.0			
999	Setto	1073	1077	1078	1074	5	1	40.0			
1000	Setto	1074	1078	1079	1075	5	1	40.0			
1001	Setto	1075	1079	1080	1076	5	1	40.0			
1002	Setto	978	979	1081	1077	5	1	40.0			
1003	Setto	1077	1081	1082	1078	5	1	40.0			
1004	Setto	1078	1082	1083	1079	5	1	40.0			
1005	Setto	1079	1083	1084	1080	5	1	40.0			
1006	Setto	979	980	1085	1081	5	1	40.0			
1007	Setto	1081	1085	1086	1082	5	1	40.0			
1008	Setto	1082	1086	1087	1083	5	1	40.0			
1009	Setto	1083	1087	1088	1084	5	1	40.0			
1010	Setto	980	981	1089	1085	5	1	40.0			
1011	Setto	1085	1089	1090	1086	5	1	40.0			
1012	Setto	1086	1090	1091	1087	5	1	40.0			
1013	Setto	1087	1091	1092	1088	5	1	40.0			
1014	Setto	981	982	1093	1089	5	1	40.0			
1015	Setto	1089	1093	1094	1090	5	1	40.0			
1016	Setto	1090	1094	1095	1091	5	1	40.0			
1017	Setto	1091	1095	1096	1092	5	1	40.0			
1018	Setto	982	983	1097	1093	5	1	40.0			
1019	Setto	1093	1097	1098	1094	5	1	40.0			
1020	Setto	1094	1098	1099	1095	5	1	40.0			
1021	Setto	1095	1099	1100	1096	5	1	40.0			
1022	Setto	983	984	1101	1097	5	1	40.0			
1023	Setto	1097	1101	1102	1098	5	1	40.0			
1024	Setto	1098	1102	1103	1099	5	1	40.0			
1025	Setto	1099	1103	1104	1100	5	1	40.0			
1026	Setto	984	985	1105	1101	5	1	40.0			
1027	Setto	1101	1105	1106	1102	5	1	40.0			
1028	Setto	1102	1106	1107	1103	5	1	40.0			
1029	Setto	1103	1107	1108	1104	5	1	40.0			
1030	Setto	985	986	1109	1105	5	1	40.0			
1031	Setto	1105	1109	1110	1106	5	1	40.0			
1032	Setto	1106	1110	1111	1107	5	1	40.0			
1033	Setto	1107	1111	1112	1108	5	1	40.0			
1034	Setto	986	987	1113	1109	5	1	40.0			
1035	Setto	1109	1113	1114	1110	5	1	40.0			
1036	Setto	1110	1114	1115	1111	5	1	40.0			
1037	Setto	1111	1115	1116	1112	5	1	40.0			
1038	Setto	987	893	1117	1113	5	1	40.0			
1039	Setto	1113	1117	1118	1114	5	1	40.0			
1040	Setto	1114	1118	1119	1115	5	1	40.0			
1041	Setto	1115	1119	1120	1116	5	1	40.0			
1042	Setto	893	14	1121	1117	5	1	40.0			
1043	Setto	1117	1121	1122	1118	5	1	40.0			
1044	Setto	1118	1122	1123	1119	5	1	40.0			
1045	Setto	1119	1123	10	1120	5	1	40.0			
1046	Setto	9	994	1125	1124	5	1	40.0			
1047	Setto	1124	1125	1127	1126	5	1	40.0			
1048	Setto	1126	1127	1128	11	5	1	40.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1049	Setto	994	998	1129	1125	5	1	40.0			
1050	Setto	1125	1129	1130	1127	5	1	40.0			
1051	Setto	1127	1130	1131	1128	5	1	40.0			
1052	Setto	998	1002	1132	1129	5	1	40.0			
1053	Setto	1129	1132	1133	1130	5	1	40.0			
1054	Setto	1130	1133	1134	1131	5	1	40.0			
1055	Setto	1002	1006	1135	1132	5	1	40.0			
1056	Setto	1132	1135	1136	1133	5	1	40.0			
1057	Setto	1133	1136	1137	1134	5	1	40.0			
1058	Setto	1006	1010	1138	1135	5	1	40.0			
1059	Setto	1135	1138	1139	1136	5	1	40.0			
1060	Setto	1136	1139	1140	1137	5	1	40.0			
1061	Setto	1010	16	1141	1138	5	1	40.0			
1062	Setto	1138	1141	1142	1139	5	1	40.0			
1063	Setto	1139	1142	697	1140	5	1	40.0			
1064	Setto	16	1144	1143	1141	5	1	40.0			
1065	Setto	1141	1143	1145	1142	5	1	40.0			
1066	Setto	1142	1145	1146	697	5	1	40.0			
1067	Setto	1144	1148	1147	1143	5	1	40.0			
1068	Setto	1143	1147	1149	1145	5	1	40.0			
1069	Setto	1145	1149	1150	1146	5	1	40.0			
1070	Setto	1148	1152	1151	1147	5	1	40.0			
1071	Setto	1147	1151	1153	1149	5	1	40.0			
1072	Setto	1149	1153	1154	1150	5	1	40.0			
1073	Setto	1152	18	1155	1151	5	1	40.0			
1074	Setto	1151	1155	1156	1153	5	1	40.0			
1075	Setto	1153	1156	698	1154	5	1	40.0			
1076	Setto	18	1020	1157	1155	5	1	40.0			
1077	Setto	1155	1157	1158	1156	5	1	40.0			
1078	Setto	1156	1158	1159	698	5	1	40.0			
1079	Setto	1020	1024	1160	1157	5	1	40.0			
1080	Setto	1157	1160	1161	1158	5	1	40.0			
1081	Setto	1158	1161	1162	1159	5	1	40.0			
1082	Setto	1024	1028	1163	1160	5	1	40.0			
1083	Setto	1160	1163	1164	1161	5	1	40.0			
1084	Setto	1161	1164	1165	1162	5	1	40.0			
1085	Setto	1028	1032	1166	1163	5	1	40.0			
1086	Setto	1163	1166	1167	1164	5	1	40.0			
1087	Setto	1164	1167	1168	1165	5	1	40.0			
1088	Setto	1032	1036	1169	1166	5	1	40.0			
1089	Setto	1166	1169	1170	1167	5	1	40.0			
1090	Setto	1167	1170	1171	1168	5	1	40.0			
1091	Setto	1036	1040	1172	1169	5	1	40.0			
1092	Setto	1169	1172	1173	1170	5	1	40.0			
1093	Setto	1170	1173	1174	1171	5	1	40.0			
1094	Setto	1040	1044	1175	1172	5	1	40.0			
1095	Setto	1172	1175	1176	1173	5	1	40.0			
1096	Setto	1173	1176	1177	1174	5	1	40.0			
1097	Setto	1044	1048	1178	1175	5	1	40.0			
1098	Setto	1175	1178	1179	1176	5	1	40.0			
1099	Setto	1176	1179	1180	1177	5	1	40.0			
1100	Setto	1048	1052	1181	1178	5	1	40.0			
1101	Setto	1178	1181	1182	1179	5	1	40.0			
1102	Setto	1179	1182	1183	1180	5	1	40.0			
1103	Setto	1052	1056	1184	1181	5	1	40.0			
1104	Setto	1181	1184	1185	1182	5	1	40.0			
1105	Setto	1182	1185	1186	1183	5	1	40.0			
1106	Setto	1056	1060	1187	1184	5	1	40.0			
1107	Setto	1184	1187	1188	1185	5	1	40.0			
1108	Setto	1185	1188	1189	1186	5	1	40.0			
1109	Setto	1060	1064	1190	1187	5	1	40.0			
1110	Setto	1187	1190	1191	1188	5	1	40.0			
1111	Setto	1188	1191	1192	1189	5	1	40.0			
1112	Setto	1064	1068	1193	1190	5	1	40.0			
1113	Setto	1190	1193	1194	1191	5	1	40.0			
1114	Setto	1191	1194	1195	1192	5	1	40.0			
1115	Setto	1068	1072	1196	1193	5	1	40.0			
1116	Setto	1193	1196	1197	1194	5	1	40.0			
1117	Setto	1194	1197	1198	1195	5	1	40.0			
1118	Setto	1072	1076	1199	1196	5	1	40.0			
1119	Setto	1196	1199	1200	1197	5	1	40.0			
1120	Setto	1197	1200	1201	1198	5	1	40.0			
1121	Setto	1076	1080	1202	1199	5	1	40.0			
1122	Setto	1199	1202	1203	1200	5	1	40.0			
1123	Setto	1200	1203	1204	1201	5	1	40.0			

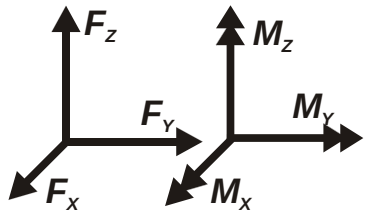
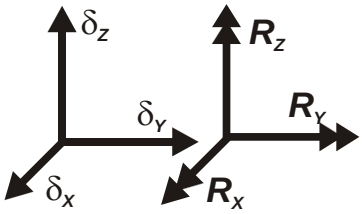
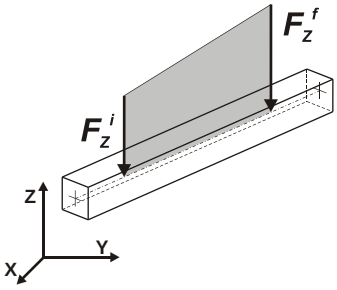
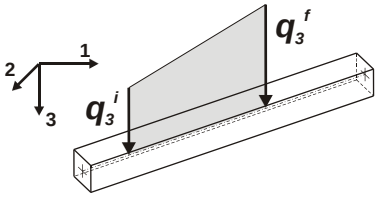
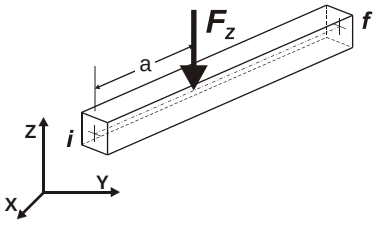
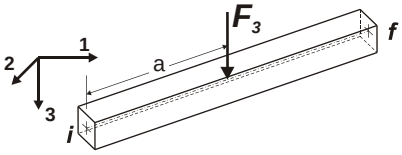
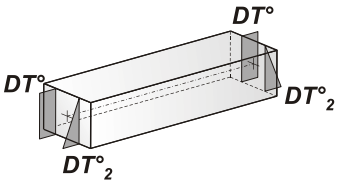
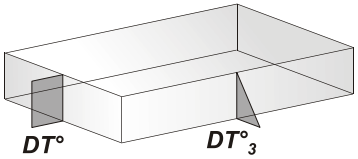
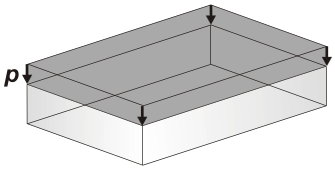
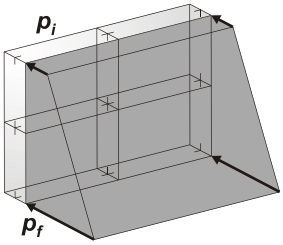
Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1124	Setto	1080	1084	1205	1202	5	1	40.0			
1125	Setto	1202	1205	1206	1203	5	1	40.0			
1126	Setto	1203	1206	1207	1204	5	1	40.0			
1127	Setto	1084	1088	1208	1205	5	1	40.0			
1128	Setto	1205	1208	1209	1206	5	1	40.0			
1129	Setto	1206	1209	1210	1207	5	1	40.0			
1130	Setto	1088	1092	1211	1208	5	1	40.0			
1131	Setto	1208	1211	1212	1209	5	1	40.0			
1132	Setto	1209	1212	1213	1210	5	1	40.0			
1133	Setto	1092	1096	1214	1211	5	1	40.0			
1134	Setto	1211	1214	1215	1212	5	1	40.0			
1135	Setto	1212	1215	1216	1213	5	1	40.0			
1136	Setto	1096	1100	1217	1214	5	1	40.0			
1137	Setto	1214	1217	1218	1215	5	1	40.0			
1138	Setto	1215	1218	1219	1216	5	1	40.0			
1139	Setto	1100	1104	1220	1217	5	1	40.0			
1140	Setto	1217	1220	1221	1218	5	1	40.0			
1141	Setto	1218	1221	1222	1219	5	1	40.0			
1142	Setto	1104	1108	1223	1220	5	1	40.0			
1143	Setto	1220	1223	1224	1221	5	1	40.0			
1144	Setto	1221	1224	1225	1222	5	1	40.0			
1145	Setto	1108	1112	1226	1223	5	1	40.0			
1146	Setto	1223	1226	1227	1224	5	1	40.0			
1147	Setto	1224	1227	1228	1225	5	1	40.0			
1148	Setto	1112	1116	1229	1226	5	1	40.0			
1149	Setto	1226	1229	1230	1227	5	1	40.0			
1150	Setto	1227	1230	1231	1228	5	1	40.0			
1151	Setto	1116	1120	1232	1229	5	1	40.0			
1152	Setto	1229	1232	1233	1230	5	1	40.0			
1153	Setto	1230	1233	1234	1231	5	1	40.0			
1154	Setto	1120	10	1235	1232	5	1	40.0			
1155	Setto	1232	1235	1236	1233	5	1	40.0			
1156	Setto	1233	1236	12	1234	5	1	40.0			

9.1.4 Modellazione delle azioni

LEGENDA TABELLA DATI AZIONI

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

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

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

Tipo	carico di pressione uniforme su piastra

Id	Tipo	pressione
		kN/ m2
3	Spinta var. traffico - Param. vert.-P3:p=-8.900e-02	-8.90
4	Spinta var. traffico - Param. incl.-P3:p=-0.11	-10.80
5	Peso terreno a valle-P3:p=-0.19	-19.00
19	Peso Terreno monte (1+kv)-P3:p=-0.64	-63.70
20	Inerzia orizz. terreno monte-P3:p=-2.400e-02	-2.40
21	Peso terreno valle (1+kv)-P3:p=-0.19	-19.25
26	Peso terreno monte (1-Kv)-P3:p=-0.62	-62.10
27	Peso terreno valle (1-Kv)-P3:p=-0.19	-18.75

Tipo	carico di pressione variabile su piastra

Id	Tipo	pressione	quota	pressione	quota
		kN/ m2	m	kN/ m2	m
1	Spinta attiva - param. verticale-PL3:pi=0.0 qi=455.00 pf=-0.16 qf=265.00	0.0	4.55	-16.00	2.65

Id	Tipo	pressione	quota	pressione	quota
2	Spinta attiva - Param. inclinato-PL3:pi=-0.20 qi=265.00 pf=-0.40 qf=65.00	-19.50	2.65	-40.00	0.65
7	Spinta sismica (Kv +)-PL3:pi=0.0 qi=455.00 pf=-0.47 qf=65.00	0.0	4.55	-47.12	0.65
8	Spinta sismica (Kv-)-PL3:pi=0.0 qi=455.00 pf=-0.46 qf=65.00	0.0	4.55	-46.12	0.65

Tipo	carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		m	kN/ m2	m	kN/ m2
6	Peso terreno a monte-QV:var x - Qz - Pres.				
	X - X Qz Pres. L2=0.0	1.61	-74.10	5.30	-121.00
9	Inerzia fondazione-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		-0.21		
10	Inerzia param. s=0.60-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.39		
11	Inerzia param. s=0.573-QV:unif - Qx - Area-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.37		
12	Inerzia param. s=0.546-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.36		
13	Inerzia param. s=0.52-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.34		
14	Inerzia param. s=0.493-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.32		
15	Inerzia param. s=0.471-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.31		
16	Inerzia param s=0.449-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.29		
17	Inerzia param. s=0.427-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.28		
18	Inerzia param. s=0.40-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.26		
22	Paramento (kv+): sisma-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		-0.15		
23	Fondaz. inerzia orizz.-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.42		
25	Inerzia fondazione (Kv-)-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		0.21		
28	Paramento (Kv-) sisma-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		0.15		

9.1.5 Schematizzazione dei casi di carico

LEGENDA TABELLA CASI DI CARICO

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

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

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

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

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

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

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

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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gk	Statica: Spinta attiva	Azioni applicate:
			D3 :da 630 a 913 Azione : Spinta attiva - Param. inclinato-PL3:pi=-0.20 qi=265.00 pf=-0.40 qf=65.00
			D3 :da 914 a 1156 Azione : Spinta attiva - param. verticale-PL3:pi=0.0 qi=455.00 pf=-0.16 qf=265.00
3	Qk	Statica: Spinta var. traffico	Azioni applicate:
			D3 :da 630 a 913 Azione : Spinta var. traffico - Param. incl.-P3:p=-0.11
			D3 :da 914 a 1156 Azione : Spinta var. traffico - Param. vert.-P3:p=-8.900e-02

CDC	Tipo	Sigla Id	Note
4	Gk	Statica: Peso terreno monte	Azioni applicate:
			D3 :da 1 a 72 Azione : Peso terreno a monte-QV:var x - Qz - Pres.
			D3 :da 85 a 132 Azione : Peso terreno a monte-QV:var x - Qz - Pres.
			D3 :da 141 a 464 Azione : Peso terreno a monte-QV:var x - Qz - Pres.
5	Gk	Statica: Peso terreno valle	Azioni applicate:
			D3 :da 519 a 629 Azione : Peso terreno a valle-P3:p=-0.19
6	Gk	Sismica (Kv +): Spinta terreno	Azioni applicate:
			D3 :da 630 a 1156 Azione : Spinta sismica (Kv +)-PL3:pi=0.0 qi=455.00 pf=-0.47 qf=65.00
7	Gk	Sismica (Kv+): Inerzia muro	Azioni applicate:
			D3 :da 1 a 629 Azione : Inerzia fondazione-QV:unif - Qz - Area
			D3 :da 630 a 666 Azione : Inerzia param. s=0.60-QV:unif - Qx - Area
			D3 :da 630 a 1156 Azione : Inerzia param. s=0.40-QV:unif - Qx - Area
8	Gk	Sismica (Kv+): Inerzia terreno monte	Azioni applicate:
			D3 :da 1 a 72 Azione : Peso Terreno monte (1+kv)-P3:p=-0.64
			D3 :da 85 a 132 Azione : Peso Terreno monte (1+kv)-P3:p=-0.64
			D3 :da 141 a 464 Azione : Peso Terreno monte (1+kv)-P3:p=-0.64
			D3 :da 630 a 1156 Azione : Inerzia orizz. terreno monte-P3:p=-2.400e-02
			D3 :da 630 a 1156 Azione : Inerzia orizz. terreno monte-P3:p=-2.400e-02
9	Gk	Sismica (Kv+): Inerzia terreno valle	Azioni applicate:
			D3 :da 519 a 629 Azione : Peso terreno valle (1+kv)-P3:p=-0.19
10	Gk	Sismica (Kv+): inerzia vert. param.	Azioni applicate:
			D3 :da 630 a 1156 Azione : Paramento (kv+): sisma-QV:unif - Qz - Area
			D3 :da 630 a 1156 Azione : Paramento (kv+): sisma-QV:unif - Qz - Area
11	Gk	Sismica (Kv+): Fondaz. inerzia orizz.	Azioni applicate:
			D3 :da 1 a 629 Azione : Fondaz. inerzia orizz.-QV:unif - Qx - Area
12	Gk	Sismica (Kv-): spinta terreno	Azioni applicate:
			D3 :da 630 a 1156 Azione : Spinta sismica (Kv-)-PL3:pi=0.0 qi=455.00 pf=-0.46 qf=65.00
13	Gk	Sismica (Kv-): Inerzia muro	Azioni applicate:
			D3 :da 1 a 629 Azione : Inerzia fondazione (Kv-)-QV:unif - Qz - Area
			D3 :da 630 a 666 Azione : Inerzia param. s=0.60-QV:unif - Qx - Area
			D3 :da 667 a 703 Azione : Inerzia param. s=0.573-QV:unif - Qx - Area-QV:unif - Qx - Area
			D3 :da 704 a 740 Azione : Inerzia param. s=0.546-QV:unif - Qx - Area
			D3 :da 741 a 777 Azione : Inerzia param. s=0.52-QV:unif - Qx - Area
			D3 :da 778 a 814 Azione : Inerzia param. s=0.493-QV:unif - Qx - Area
			D3 :da 815 a 847 Azione : Inerzia param. s=0.471-QV:unif - Qx - Area
			D3 :da 848 a 880 Azione : Inerzia param s=0.449-QV:unif - Qx - Area
			D3 :da 881 a 913 Azione : Inerzia param. s=0.427-QV:unif - Qx - Area
			D3 :da 914 a 1156 Azione : Inerzia param. s=0.40-QV:unif - Qx - Area
14	Gk	Sismica (Kv-): Inerzia terreno monte	Azioni applicate:
			D3 :da 1 a 72 Azione : Peso terreno monte (1-Kv)-P3:p=-0.62
			D3 :da 85 a 132 Azione : Peso terreno monte (1-Kv)-P3:p=-0.62
			D3 :da 141 a 464 Azione : Peso terreno monte (1-Kv)-P3:p=-0.62
			D3 :da 630 a 1156 Azione : Inerzia orizz. terreno monte-P3:p=-2.400e-02
15	Gk	Sismica (Kv-): Inerzia terreno valle	Azioni applicate:
			D3 :da 519 a 629 Azione : Peso terreno valle (1-Kv)-P3:p=-0.19
16	Gk	Sismica (Kv-): Fondazione inerzia orizzontale	Azioni applicate:
			D3 :da 1 a 629 Azione : Fondaz. inerzia orizz.-QV:unif - Qx - Area
17	Gk	Sismica (Kv-): Inerzia vert. paramento	Azioni applicate:
			D3 :da 630 a 1156 Azione : Paramento (Kv-) sisma-QV:unif - Qz - Area

9.1.6 Definizione delle combinazioni

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

***Combinazione fondamentale** SLU*

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

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

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

***Combinazione frequente** SLE*

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

***Combinazione quasi permanente** SLE*

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

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

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

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

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

Dove:

NTC 2018 Tabella 2.5.I

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

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

NTC 2018 Tabella 2.6.I

		Coefficiente γf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli* *Sfavorevoli*	*γG1*	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*
Carichi permanenti	*Favorevoli*	*γG2*	*0,8*	*0,8*	*0,8*

non strutturali *(Non compiutamente definiti)*	*Sfavorevoli*		*1,5*	*1,5*	*1,3*
Carichi variabili	*Favorevoli*	*γQi*	*0,0*	*0,0*	*0,0*
	Sfavorevoli		*1,5*	*1,5*	*1,3*

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Combinazione 17 da definire	
2	SLU	Combinazione 18 da definire	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 15	
16	SLU	Comb. SLU A1 16	
17	SLU	Comb. SLU A1 17	
18	SLU	Comb. SLU A1 18	
19	SLU	Comb. SLU A1 19	
20	SLU	Comb. SLU A1 20	
21	SLU	Comb. SLU A1 21	
22	SLU	Comb. SLU A1 22	
23	SLU	Comb. SLU A1 23	
24	SLU	Comb. SLU A1 24	
25	SLU	Comb. SLU A1 25	
26	SLU	Comb. SLU A1 26	
27	SLU	Comb. SLU A1 27	
28	SLU	Comb. SLU A1 28	
29	SLU	Comb. SLU A1 29	
30	SLU	Comb. SLU A1 30	
31	SLU	Comb. SLU A1 31	
32	SLU	Comb. SLU A1 32	
33	SLU	Comb. SLU A1 33	
34	SLU	Comb. SLU A1 34	
35	SLE(r)	Comb. SLE(rara) 35	
36	SLE(r)	Comb. SLE(rara) 36	
37	SLE(f)	Comb. SLE(freq.) 37	
38	SLE(f)	Comb. SLE(freq.) 38	
39	SLE(p)	Comb. SLE(perm.) 39	

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

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
12	1.30	1.00	0.0	1.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
13	1.30	1.00	0.0	1.00	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
14	1.30	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
15	1.30	1.00	1.50	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
16	1.30	1.00	1.50	1.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
17	1.30	1.00	1.50	1.00	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
18	1.30	1.00	1.50	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
19	1.00	1.30	0.0	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
20	1.00	1.30	0.0	1.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
21	1.00	1.30	0.0	1.00	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
22	1.00	1.30	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
23	1.00	1.30	1.50	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
24	1.00	1.30	1.50	1.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
25	1.00	1.30	1.50	1.00	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
26	1.00	1.30	1.50	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
27	1.00	1.00	0.0	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
28	1.00	1.00	0.0	1.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
29	1.00	1.00	0.0	1.00	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
30	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
31	1.00	1.00	1.50	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
32	1.00	1.00	1.50	1.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
33	1.00	1.00	1.50	1.00	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
34	1.00	1.00	1.50	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
35	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
36	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
37	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
38	1.00	1.00	0.75	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											
39	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0											

9.1.7 Verifiche elementi parete e/o guscio in C.A.

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

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

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

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

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

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

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

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

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

Simbologia adottata nelle tabelle di verifica

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

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

	Singolo Elemento NON DISSIPATIVO

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

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

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

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

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

Per le verifiche degli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*", oltre alla tabella

con le verifiche per gli elementi con progettazione "*Singolo Elemento …*", è presente una tabella con i simboli di seguito descritti:

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

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

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

Quota	Ascissa verticale di riferimento

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

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

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

PROGETTAZIONE DELLE FONDAZIONI

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

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

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

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

Le verifiche geotecniche vengono effettuate dal modulo geotecnico incrementando automaticamente le

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

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

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									kN/ m	kN/ m	kN/ m	kN	kN	kN
3	ok	0.08	0.6	2.33e-02	10.1	15.7	7.7	7.7	-168.6	-87.3	80.6	234.4	22.7	-27.9
4	ok	0.08	0.7	2.67e-02	10.1	15.7	7.7	7.7	-197.5	-95.4	-90.0	250.6	24.3	31.5
7	ok	0.10	0.3	6.60e-03	10.1	15.7	7.7	7.7	-52.5	-5.1	-1.5	81.4	-0.8	1.2
8	ok	0.10	0.3	5.84e-03	10.1	15.7	7.7	7.7	-46.4	-5.0	1.7	81.2	-0.9	-1.3
9	ok	0.13	5.51e-02	1.67e-03	10.1	15.7	7.7	7.7	-10.7	-0.1	-2.0	11.2	0.2	0.5
10	ok	0.13	4.63e-02	2.44e-03	10.1	15.7	7.7	7.7	-15.9	-6.56e-02	2.4	9.1	0.3	-1.2
11	ok	0.13	3.78e-03	3.58e-04	10.1	15.7	7.7	7.7	-1.9	1.4	-1.3	0.3	-0.2	0.3
12	ok	0.13	4.02e-03	4.34e-04	10.1	15.7	7.7	7.7	-2.4	1.3	1.5	0.5	-0.2	-0.3
13	ok	0.13	0.2	5.27e-03	10.1	15.7	7.7	7.7	-36.9	-3.7	-2.4	42.8	-0.4	0.7
14	ok	0.13	0.2	5.21e-03	10.1	15.7	7.7	7.7	-36.4	-3.4	2.5	40.0	-0.4	-1.2
15	ok	0.11	0.7	8.39e-03	10.1	15.7	15.4	15.4	-62.0	-11.1	-11.1	63.8	13.6	14.8
16	ok	0.13	0.2	1.40e-02	10.1	15.7	7.7	7.7	-74.6	-33.2	32.0	18.8	9.1	-10.6
17	ok	0.11	0.7	1.77e-02	10.1	15.7	15.4	15.4	-114.2	-48.9	43.8	173.0	41.4	-46.5
18	ok	0.13	0.1	6.18e-03	10.1	15.7	7.7	7.7	-37.3	-7.4	-10.9	6.2	2.6	3.1
19	ok	0.08	0.6	5.09e-03	10.1	15.7	7.7	7.7	-32.8	5.9	-25.4	203.7	42.9	3.7
20	ok	0.08	0.6	5.39e-03	10.1	15.7	7.7	7.7	-42.0	28.2	23.9	204.5	45.1	-4.3
118	ok	0.08	0.6	1.62e-02	10.1	15.7	7.7	7.7	-86.4	-102.8	54.0	207.1	29.1	-12.0
119	ok	0.08	0.6	1.03e-02	10.1	15.7	7.7	7.7	-56.8	-76.4	26.0	211.8	34.8	-4.2
120	ok	0.08	0.6	7.13e-03	10.1	15.7	7.7	7.7	-43.2	-50.7	-16.8	213.7	38.3	1.7
121	ok	0.08	0.6	6.39e-03	10.1	15.7	7.7	7.7	-37.9	-29.6	-25.4	212.3	40.4	3.8
122	ok	0.08	0.6	5.64e-03	10.1	15.7	7.7	7.7	-34.6	-11.0	-27.4	208.4	41.8	4.3
179	ok	0.08	0.6	4.85e-03	10.1	15.7	7.7	7.7	-33.3	18.6	-21.2	200.3	43.7	2.4
180	ok	0.08	0.6	4.70e-03	10.1	15.7	7.7	7.7	-35.2	27.5	13.9	199.1	44.5	-1.1
181	ok	0.08	0.6	5.03e-03	10.1	15.7	7.7	7.7	-38.3	30.7	19.7	200.7	45.0	-2.9
559	ok	0.08	0.6	5.96e-03	10.1	15.7	7.7	7.7	-46.6	19.8	26.9	210.3	44.9	-5.2
560	ok	0.08	0.6	6.45e-03	10.1	15.7	7.7	7.7	-49.9	9.2	27.4	216.3	44.6	-5.5
561	ok	0.08	0.6	6.72e-03	10.1	15.7	7.7	7.7	-51.8	-0.8	26.7	221.6	44.4	-5.3
562	ok	0.08	0.7	6.80e-03	10.1	15.7	7.7	7.7	-52.6	-8.2	25.2	225.8	44.4	-4.9
563	ok	0.08	0.7	6.75e-03	10.1	15.7	7.7	7.7	-52.6	-13.1	23.4	229.1	44.6	-4.3
564	ok	0.08	0.7	6.63e-03	10.1	15.7	7.7	7.7	-52.2	-15.8	21.8	231.5	44.9	-3.8
565	ok	0.08	0.7	6.49e-03	10.1	15.7	7.7	7.7	-51.7	-17.0	20.3	233.3	45.2	-3.3
566	ok	0.08	0.7	6.35e-03	10.1	15.7	7.7	7.7	-51.1	-17.3	19.2	234.6	45.5	-3.0
567	ok	0.08	0.7	6.23e-03	10.1	15.7	7.7	7.7	-50.6	-17.1	18.3	235.5	45.7	-2.7
568	ok	0.08	0.7	6.13e-03	10.1	15.7	7.7	7.7	-50.1	-16.8	17.6	236.2	45.9	-2.4
569	ok	0.08	0.7	6.04e-03	10.1	15.7	7.7	7.7	-49.7	-16.4	17.1	236.8	46.1	-2.3
570	ok	0.08	0.7	5.97e-03	10.1	15.7	7.7	7.7	-49.2	-16.0	16.8	237.3	46.2	-2.1
571	ok	0.08	0.7	5.91e-03	10.1	15.7	7.7	7.7	-48.8	-15.9	16.6	237.7	46.3	-2.1
572	ok	0.08	0.7	5.86e-03	10.1	15.7	7.7	7.7	-48.2	-16.0	16.5	238.1	46.4	-2.0
573	ok	0.08	0.7	5.81e-03	10.1	15.7	7.7	7.7	-47.5	-16.3	16.5	238.5	46.5	-2.0
574	ok	0.08	0.7	5.79e-03	10.1	15.7	7.7	7.7	-46.6	-17.0	16.6	238.8	46.5	-2.0
575	ok	0.08	0.7	5.76e-03	10.1	15.7	7.7	7.7	-45.6	-18.2	16.7	239.1	46.5	-1.9
576	ok	0.08	0.7	5.74e-03	10.1	15.7	7.7	7.7	-44.4	-19.9	16.7	239.4	46.5	-1.9
577	ok	0.08	0.7	5.73e-03	10.1	15.7	7.7	7.7	-43.1	-22.4	16.5	239.6	46.4	-1.8
578	ok	0.08	0.7	5.74e-03	10.1	15.7	7.7	7.7	-41.8	-26.0	16.0	239.7	46.2	-1.7
579	ok	0.08	0.7	5.78e-03	10.1	15.7	7.7	7.7	-40.9	-31.3	14.9	239.6	45.9	-1.3
580	ok	0.08	0.7	6.21e-03	10.1	15.7	7.7	7.7	-41.1	-39.1	-17.5	238.9	45.0	1.3
581	ok	0.08	0.7	7.45e-03	10.1	15.7	7.7	7.7	-43.2	-50.6	-21.6	237.3	43.6	2.4
582	ok	0.08	0.7	9.66e-03	10.1	15.7	7.7	7.7	-49.5	-67.3	-29.2	234.0	41.1	4.6
583	ok	0.08	0.7	1.34e-02	10.1	15.7	7.7	7.7	-65.2	-90.7	-43.2	227.6	36.8	8.7
584	ok	0.08	0.6	1.95e-02	10.1	15.7	7.7	7.7	-101.5	-117.2	-70.3	219.8	30.2	16.2
697	ok	0.13	2.76e-02	4.48e-04	10.1	15.7	7.7	7.7	-1.2	7.0	2.3	0.4	2.8	-1.1
698	ok	0.13	1.97e-02	3.60e-03	10.1	15.7	7.7	7.7	-1.5	-22.4	1.7	0.4	1.7	-0.5
699	ok	0.08	0.5	7.60e-03	10.1	15.7	7.7	7.7	-49.6	42.0	-34.9	176.0	-10.8	5.3
700	ok	0.08	0.6	8.21e-03	10.1	15.7	7.7	7.7	-52.3	46.6	37.4	184.8	-11.4	-5.3
701	ok	0.08	0.5	4.67e-03	10.1	15.7	7.7	7.7	-31.4	-4.9	-9.2	166.6	36.8	4.9
702	ok	0.08	0.5	5.20e-03	10.1	15.7	7.7	7.7	-41.1	12.2	16.0	168.5	39.5	-12.1
703	ok	0.09	0.5	7.18e-03	10.1	15.7	7.7	7.7	-64.8	-3.6	-5.6	149.2	-2.6	1.1
704	ok	0.09	0.5	6.89e-03	10.1	15.7	7.7	7.7	-62.1	-3.3	5.8	156.6	-2.9	-0.8
705	ok	0.09	0.4	3.95e-03	10.1	15.7	7.7	7.7	-35.0	-5.6	-5.1	58.4	13.9	3.8
706	ok	0.09	0.5	4.64e-03	10.1	15.7	7.7	7.7	-37.3	0.7	9.6	133.9	34.9	-16.5
707	ok	0.09	0.4	7.25e-03	10.1	15.7	7.7	7.7	-63.0	-6.5	-3.1	123.9	-1.6	1.1

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
708	ok	0.09	0.4	6.56e-03	10.1	15.7	7.7	7.7	-56.9	-6.6	3.2	128.8	-1.8	-1.0
709	ok	0.09	0.4	3.64e-03	10.1	15.7	7.7	7.7	-30.3	-3.3	-6.3	43.9	11.6	7.2
710	ok	0.09	0.4	4.68e-03	10.1	15.7	7.7	7.7	-36.5	-7.4	11.5	104.5	31.0	-24.8
711	ok	0.10	0.4	7.03e-03	10.1	15.7	7.7	7.7	-58.5	-6.4	-2.6	101.3	-1.2	1.2
712	ok	0.10	0.4	6.19e-03	10.1	15.7	7.7	7.7	-51.5	-6.4	2.7	103.5	-1.4	-1.1
713	ok	0.10	0.4	3.74e-03	10.1	15.7	15.4	15.4	-15.1	-7.8	-0.8	80.6	22.5	33.2
714	ok	0.10	0.4	6.08e-03	10.1	15.7	15.4	15.4	-40.0	-18.5	19.0	84.2	28.0	-40.3
715	ok	0.08	0.5	1.65e-02	10.1	15.7	7.7	7.7	-136.4	-24.7	49.6	187.2	12.7	-15.8
716	ok	0.08	0.5	1.03e-02	10.1	15.7	7.7	7.7	-73.1	-46.1	33.8	179.7	21.3	-5.2
717	ok	0.08	0.5	7.29e-03	10.1	15.7	7.7	7.7	-52.8	-37.7	1.9	178.9	27.0	2.1
718	ok	0.08	0.5	5.33e-03	10.1	15.7	7.7	7.7	-42.4	-26.8	-5.5	176.5	31.0	4.6
719	ok	0.08	0.5	4.96e-03	10.1	15.7	7.7	7.7	-35.4	-15.3	-8.7	172.2	34.1	5.7
720	ok	0.08	0.5	4.30e-03	10.1	15.7	7.7	7.7	-29.9	2.6	-7.2	162.3	38.9	2.2
721	ok	0.08	0.5	4.33e-03	10.1	15.7	7.7	7.7	-31.4	8.1	14.0	160.9	40.2	-4.8
722	ok	0.08	0.5	4.71e-03	10.1	15.7	7.7	7.7	-35.5	11.5	15.5	163.2	40.3	-8.9
723	ok	0.08	0.5	5.55e-03	10.1	15.7	7.7	7.7	-46.2	9.1	14.8	175.5	38.3	-13.9
724	ok	0.08	0.6	5.79e-03	10.1	15.7	7.7	7.7	-50.0	3.7	14.5	181.7	37.1	-14.0
725	ok	0.08	0.6	5.96e-03	10.1	15.7	7.7	7.7	-52.3	-2.2	14.5	186.4	36.5	-13.4
726	ok	0.08	0.6	6.11e-03	10.1	15.7	7.7	7.7	-53.4	-7.4	14.7	189.9	36.2	-12.4
727	ok	0.08	0.6	6.15e-03	10.1	15.7	7.7	7.7	-53.5	-11.4	14.6	192.3	36.4	-11.4
728	ok	0.08	0.6	6.13e-03	10.1	15.7	7.7	7.7	-53.1	-14.0	14.3	194.1	36.7	-10.5
729	ok	0.08	0.6	6.05e-03	10.1	15.7	7.7	7.7	-52.5	-15.6	13.8	195.5	37.1	-9.7
730	ok	0.08	0.6	5.96e-03	10.1	15.7	7.7	7.7	-51.8	-16.4	13.2	196.4	37.4	-9.0
731	ok	0.08	0.6	5.86e-03	10.1	15.7	7.7	7.7	-51.2	-16.8	12.6	197.2	37.7	-8.4
732	ok	0.08	0.6	5.77e-03	10.1	15.7	7.7	7.7	-50.6	-16.9	12.0	197.7	38.0	-7.9
733	ok	0.08	0.6	5.71e-03	10.1	15.7	7.7	7.7	-50.0	-16.9	11.5	198.2	38.2	-7.5
734	ok	0.08	0.6	5.68e-03	10.1	15.7	7.7	7.7	-49.5	-16.9	11.1	198.6	38.4	-7.2
735	ok	0.08	0.6	5.66e-03	10.1	15.7	7.7	7.7	-49.0	-17.0	10.8	198.9	38.5	-6.8
736	ok	0.08	0.6	5.64e-03	10.1	15.7	7.7	7.7	-48.3	-17.4	10.5	199.2	38.6	-6.6
737	ok	0.08	0.6	5.62e-03	10.1	15.7	7.7	7.7	-47.6	-18.0	10.2	199.4	38.7	-6.3
738	ok	0.08	0.6	5.62e-03	10.1	15.7	7.7	7.7	-46.8	-18.9	9.9	199.6	38.7	-6.0
739	ok	0.08	0.6	5.61e-03	10.1	15.7	7.7	7.7	-45.8	-20.4	9.6	199.8	38.7	-5.7
740	ok	0.08	0.6	5.60e-03	10.1	15.7	7.7	7.7	-44.8	-22.4	9.0	199.9	38.6	-5.4
741	ok	0.08	0.6	5.61e-03	10.1	15.7	7.7	7.7	-43.8	-25.1	8.0	199.9	38.4	-5.1
742	ok	0.08	0.6	5.65e-03	10.1	15.7	7.7	7.7	-43.1	-28.9	6.4	199.7	37.9	-4.6
743	ok	0.08	0.6	5.78e-03	10.1	15.7	7.7	7.7	-43.1	-33.7	3.8	199.3	37.2	-4.0
744	ok	0.08	0.6	6.60e-03	10.1	15.7	7.7	7.7	-44.6	-39.9	-0.3	198.6	35.9	-3.1
745	ok	0.08	0.6	7.93e-03	10.1	15.7	7.7	7.7	-49.1	-47.2	-6.6	197.2	33.6	-1.6
746	ok	0.08	0.6	9.94e-03	10.1	15.7	7.7	7.7	-58.8	-55.1	-35.2	195.1	29.7	3.8
747	ok	0.08	0.6	1.28e-02	10.1	15.7	7.7	7.7	-81.3	-57.6	-48.7	192.7	23.4	7.7
748	ok	0.08	0.6	1.90e-02	10.1	15.7	7.7	7.7	-152.7	-29.2	-63.0	198.7	14.5	19.0
749	ok	0.09	0.5	9.07e-03	10.1	15.7	7.7	7.7	-81.5	-9.9	8.5	151.8	3.7	-3.9
750	ok	0.09	0.5	8.79e-03	10.1	15.7	7.7	7.7	-72.8	-17.1	20.6	149.7	12.6	-2.2
751	ok	0.09	0.5	6.88e-03	10.1	15.7	7.7	7.7	-54.1	-20.9	11.4	148.1	18.5	2.9
752	ok	0.09	0.5	5.22e-03	10.1	15.7	7.7	7.7	-41.1	-18.8	6.9	145.6	22.9	6.1
753	ok	0.09	0.5	4.53e-03	10.1	15.7	7.7	7.7	-31.2	-14.9	9.6	140.4	27.0	6.8
754	ok	0.09	0.4	3.39e-03	10.1	15.7	7.7	7.7	-29.9	-6.2	-2.8	55.1	15.5	2.1
755	ok	0.09	0.4	3.39e-03	10.1	15.7	7.7	7.7	-24.7	-3.9	5.5	120.7	37.7	-2.8
756	ok	0.09	0.4	3.96e-03	10.1	15.7	7.7	7.7	-30.3	-1.2	11.6	124.7	37.4	-11.7
757	ok	0.09	0.5	5.14e-03	10.1	15.7	7.7	7.7	-42.7	0.1	6.5	144.1	31.9	-17.5
758	ok	0.09	0.5	5.33e-03	10.1	15.7	7.7	7.7	-47.5	-2.5	6.7	66.1	13.2	-7.5
759	ok	0.09	0.5	5.40e-03	10.1	15.7	7.7	7.7	-46.9	-5.6	-1.1	154.5	28.8	-12.7
760	ok	0.09	0.5	5.41e-03	10.1	15.7	7.7	7.7	-47.9	-8.3	5.4	157.0	28.5	-12.7
761	ok	0.09	0.5	5.41e-03	10.1	15.7	7.7	7.7	-48.2	-10.6	6.0	158.6	28.7	-11.3
762	ok	0.09	0.5	5.41e-03	10.1	15.7	7.7	7.7	-48.1	-12.3	6.3	159.7	29.1	-10.2
763	ok	0.09	0.5	5.37e-03	10.1	15.7	7.7	7.7	-47.6	-13.6	6.4	160.5	29.5	-9.3
764	ok	0.09	0.5	5.31e-03	10.1	15.7	7.7	7.7	-47.1	-14.4	6.2	161.1	29.9	-8.5
765	ok	0.09	0.5	5.27e-03	10.1	15.7	7.7	7.7	-46.5	-14.9	5.9	161.6	30.3	-7.9
766	ok	0.09	0.5	5.25e-03	10.1	15.7	7.7	7.7	-45.9	-15.3	5.5	162.0	30.6	-7.4
767	ok	0.09	0.5	5.22e-03	10.1	15.7	7.7	7.7	-45.3	-15.5	5.0	162.3	30.8	-7.0
768	ok	0.09	0.5	5.21e-03	10.1	15.7	7.7	7.7	-44.8	-15.8	4.5	162.6	31.0	-6.6
769	ok	0.09	0.5	5.19e-03	10.1	15.7	7.7	7.7	-44.2	-16.1	4.1	162.8	31.1	-6.2
770	ok	0.09	0.5	5.17e-03	10.1	15.7	7.7	7.7	-43.5	-16.6	3.6	163.0	31.2	-5.9
771	ok	0.09	0.5	5.16e-03	10.1	15.7	7.7	7.7	-42.9	-17.3	3.1	163.2	31.3	-5.6
772	ok	0.09	0.5	5.15e-03	10.1	15.7	7.7	7.7	-42.1	-18.3	2.5	163.3	31.3	-5.3
773	ok	0.09	0.5	5.15e-03	10.1	15.7	7.7	7.7	-41.3	-19.7	1.7	163.3	31.2	-5.0
774	ok	0.09	0.5	5.15e-03	10.1	15.7	7.7	7.7	-40.6	-21.5	0.6	163.3	31.1	-4.6
775	ok	0.09	0.5	5.17e-03	10.1	15.7	7.7	7.7	-40.1	-23.8	-0.9	163.2	30.8	-4.2
776	ok	0.09	0.5	5.23e-03	10.1	15.7	7.7	7.7	-40.1	-26.5	-3.1	162.9	30.2	-3.7
777	ok	0.09	0.5	5.43e-03	10.1	15.7	7.7	7.7	-41.2	-29.6	-6.2	162.4	29.3	-3.0
778	ok	0.09	0.5	6.24e-03	10.1	15.7	7.7	7.7	-43.7	-32.8	-10.9	161.7	27.8	-2.1
779	ok	0.09	0.5	7.37e-03	10.1	15.7	7.7	7.7	-49.9	-34.9	-22.4	160.8	25.3	0.9
780	ok	0.09	0.5	8.80e-03	10.1	15.7	7.7	7.7	-61.4	-33.5	-28.3	159.7	21.1	2.8
781	ok	0.09	0.5	1.04e-02	10.1	15.7	7.7	7.7	-80.1	-24.5	-30.8	159.2	14.7	5.2
782	ok	0.09	0.5	9.98e-03	10.1	15.7	7.7	7.7	-88.0	-12.1	-14.4	160.2	4.4	6.2

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
783	ok	0.09	0.4	7.63e-03	10.1	15.7	7.7	7.7	-61.8	6.0	5.6	122.6	4.3	-0.7
784	ok	0.09	0.4	7.48e-03	10.1	15.7	7.7	7.7	-57.0	1.1	7.2	121.8	9.1	1.4
785	ok	0.09	0.4	6.47e-03	10.1	15.7	7.7	7.7	-51.1	-10.7	9.7	123.1	11.5	4.0
786	ok	0.09	0.4	5.14e-03	10.1	15.7	7.7	7.7	-39.4	-11.3	7.8	122.0	15.2	7.7
787	ok	0.09	0.4	4.51e-03	10.1	15.7	7.7	7.7	-28.4	-11.4	9.7	117.1	19.3	11.2
788	ok	0.09	0.3	3.21e-03	10.1	15.7	7.7	7.7	-16.0	-11.1	4.8	84.3	35.4	10.6
789	ok	0.09	0.3	3.73e-03	10.1	15.7	7.7	7.7	-17.8	-11.0	12.1	77.9	39.1	-3.8
790	ok	0.09	0.4	4.08e-03	10.1	15.7	7.7	7.7	-25.5	-10.2	14.5	85.5	37.7	-17.6
791	ok	0.09	0.5	5.14e-03	10.1	15.7	7.7	7.7	-36.7	-7.1	5.8	119.2	24.3	-21.9
792	ok	0.09	0.5	5.14e-03	10.1	15.7	7.7	7.7	-41.0	-9.1	-1.8	126.2	22.5	-15.6
793	ok	0.09	0.5	5.09e-03	10.1	15.7	7.7	7.7	-41.4	-9.9	2.8	128.3	21.6	-14.2
794	ok	0.09	0.5	5.07e-03	10.1	15.7	7.7	7.7	-42.3	-10.4	3.4	129.1	21.5	-12.1
795	ok	0.09	0.5	5.05e-03	10.1	15.7	7.7	7.7	-42.8	-11.1	4.1	129.6	21.9	-10.5
796	ok	0.09	0.5	5.03e-03	10.1	15.7	7.7	7.7	-42.9	-11.8	4.7	129.9	22.4	-9.3
797	ok	0.09	0.5	5.00e-03	10.1	15.7	7.7	7.7	-42.7	-12.5	5.0	130.2	22.9	-8.4
798	ok	0.09	0.5	4.97e-03	10.1	15.7	7.7	7.7	-42.3	-13.0	5.0	130.5	23.4	-7.7
799	ok	0.09	0.5	4.95e-03	10.1	15.7	7.7	7.7	-41.9	-13.5	4.8	130.7	23.8	-7.2
800	ok	0.09	0.5	4.93e-03	10.1	15.7	7.7	7.7	-41.4	-13.9	4.5	130.9	24.1	-6.7
801	ok	0.09	0.5	4.91e-03	10.1	15.7	7.7	7.7	-40.9	-14.2	4.1	131.1	24.4	-6.3
802	ok	0.09	0.5	4.89e-03	10.1	15.7	7.7	7.7	-40.3	-14.6	3.6	131.2	24.6	-5.9
803	ok	0.09	0.5	4.87e-03	10.1	15.7	7.7	7.7	-39.8	-15.0	3.0	131.4	24.7	-5.6
804	ok	0.09	0.5	4.86e-03	10.1	15.7	7.7	7.7	-39.2	-15.6	2.4	131.5	24.8	-5.3
805	ok	0.09	0.5	4.86e-03	10.1	15.7	7.7	7.7	-38.6	-16.3	1.7	131.6	24.8	-5.0
806	ok	0.09	0.5	4.86e-03	10.1	15.7	7.7	7.7	-37.9	-17.2	0.9	131.6	24.8	-4.7
807	ok	0.09	0.5	4.86e-03	10.1	15.7	7.7	7.7	-37.4	-18.3	-0.1	131.6	24.7	-4.4
808	ok	0.09	0.5	4.88e-03	10.1	15.7	7.7	7.7	-37.0	-19.7	-1.5	131.5	24.5	-4.1
809	ok	0.09	0.5	4.93e-03	10.1	15.7	7.7	7.7	-36.9	-21.3	-3.3	131.3	24.2	-3.6
810	ok	0.09	0.5	5.02e-03	10.1	15.7	7.7	7.7	-37.3	-23.0	-5.7	131.0	23.6	-3.2
811	ok	0.09	0.5	5.45e-03	10.1	15.7	7.7	7.7	-39.0	-24.5	-8.8	130.6	22.6	-2.5
812	ok	0.09	0.4	6.14e-03	10.1	15.7	7.7	7.7	-42.7	-25.1	-12.2	130.0	21.0	-1.7
813	ok	0.09	0.4	6.99e-03	10.1	15.7	7.7	7.7	-49.0	-24.0	-20.2	129.5	18.5	0.9
814	ok	0.09	0.4	7.87e-03	10.1	15.7	7.7	7.7	-58.2	-19.8	-21.7	129.1	14.7	2.0
815	ok	0.09	0.4	8.42e-03	10.1	15.7	7.7	7.7	-67.8	-12.6	-17.9	129.3	9.3	3.0
816	ok	0.09	0.4	7.94e-03	10.1	15.7	7.7	7.7	-64.1	4.8	-8.5	127.9	5.1	2.6
817	ok	0.10	0.4	6.80e-03	10.1	15.7	7.7	7.7	-52.5	6.3	-9.19e-02	99.6	3.0	1.1
818	ok	0.10	0.4	6.60e-03	10.1	15.7	7.7	7.7	-48.7	4.7	4.5	99.8	5.5	1.8
819	ok	0.10	0.4	5.96e-03	10.1	15.7	7.7	7.7	-41.6	2.4	7.1	100.7	7.8	3.7
820	ok	0.10	0.4	4.96e-03	10.1	15.7	7.7	7.7	-36.8	-6.4	7.0	104.0	8.6	6.9
821	ok	0.10	0.4	4.79e-03	10.1	15.7	15.4	15.4	-22.4	2.1	8.0	104.9	11.9	11.7
822	ok	0.10	0.3	4.22e-03	10.1	15.7	15.4	15.4	-7.7	-34.4	1.2	35.5	52.0	31.9
823	ok	0.10	0.2	4.20e-03	10.1	15.7	15.4	15.4	-8.5	-10.9	10.6	29.5	42.6	-4.0
824	ok	0.10	0.3	9.07e-03	10.1	15.7	15.4	15.4	-19.6	-60.0	27.2	37.3	56.7	-39.5
825	ok	0.10	0.4	5.43e-03	10.1	15.7	15.4	15.4	-42.3	-20.0	-0.8	115.3	16.1	-18.5
826	ok	0.10	0.4	4.86e-03	10.1	15.7	7.7	7.7	-36.0	-15.4	3.5	107.8	15.4	-15.3
827	ok	0.10	0.4	4.78e-03	10.1	15.7	7.7	7.7	-36.3	-13.9	3.2	106.4	15.0	-12.3
828	ok	0.10	0.4	4.73e-03	10.1	15.7	7.7	7.7	-36.9	-12.7	3.4	105.4	15.5	-10.3
829	ok	0.10	0.4	4.70e-03	10.1	15.7	7.7	7.7	-37.5	-12.0	3.8	104.8	16.1	-9.0
830	ok	0.10	0.4	4.68e-03	10.1	15.7	7.7	7.7	-37.7	-11.8	4.1	104.4	16.8	-8.0
831	ok	0.10	0.4	4.66e-03	10.1	15.7	7.7	7.7	-37.9	-11.8	4.3	104.2	17.4	-7.3
832	ok	0.10	0.4	4.64e-03	10.1	15.7	7.7	7.7	-37.7	-12.1	4.3	104.1	17.9	-6.7
833	ok	0.10	0.4	4.62e-03	10.1	15.7	7.7	7.7	-37.5	-12.4	4.2	104.1	18.3	-6.3
834	ok	0.10	0.4	4.60e-03	10.1	15.7	7.7	7.7	-37.1	-12.7	3.9	104.1	18.6	-5.9
835	ok	0.10	0.4	4.59e-03	10.1	15.7	7.7	7.7	-36.6	-13.0	3.5	104.1	18.9	-5.5
836	ok	0.10	0.4	4.57e-03	10.1	15.7	7.7	7.7	-36.2	-13.4	3.0	104.2	19.1	-5.2
837	ok	0.10	0.4	4.56e-03	10.1	15.7	7.7	7.7	-35.7	-13.8	2.4	104.3	19.2	-4.9
838	ok	0.10	0.4	4.56e-03	10.1	15.7	7.7	7.7	-35.2	-14.4	1.7	104.3	19.3	-4.7
839	ok	0.10	0.4	4.56e-03	10.1	15.7	7.7	7.7	-34.7	-15.0	0.9	104.3	19.3	-4.4
840	ok	0.10	0.4	4.57e-03	10.1	15.7	7.7	7.7	-34.2	-15.7	-7.90e-02	104.3	19.3	-4.1
841	ok	0.10	0.4	4.59e-03	10.1	15.7	7.7	7.7	-33.8	-16.5	-1.3	104.2	19.1	-3.8
842	ok	0.10	0.4	4.62e-03	10.1	15.7	7.7	7.7	-33.7	-17.4	-2.7	104.1	18.9	-3.5
843	ok	0.10	0.4	4.68e-03	10.1	15.7	7.7	7.7	-33.7	-18.5	-4.6	103.9	18.5	-3.1
844	ok	0.10	0.4	4.89e-03	10.1	15.7	7.7	7.7	-34.7	-19.2	-6.7	103.6	17.9	-2.6
845	ok	0.10	0.4	5.33e-03	10.1	15.7	7.7	7.7	-36.8	-19.4	-9.0	103.3	16.9	-2.1
846	ok	0.10	0.4	5.87e-03	10.1	15.7	7.7	7.7	-40.4	-18.6	-11.2	103.0	15.4	-1.4
847	ok	0.10	0.4	6.44e-03	10.1	15.7	7.7	7.7	-45.6	-16.4	-12.5	102.7	13.2	-0.7
848	ok	0.10	0.4	6.94e-03	10.1	15.7	7.7	7.7	-52.0	-12.6	-15.9	102.7	10.1	1.3
849	ok	0.10	0.4	7.15e-03	10.1	15.7	7.7	7.7	-56.9	-8.4	-11.7	103.0	6.0	1.5
850	ok	0.10	0.4	6.81e-03	10.1	15.7	7.7	7.7	-51.9	5.2	-6.1	102.0	3.8	0.7
851	ok	0.10	0.3	6.15e-03	10.1	15.7	7.7	7.7	-48.9	-4.7	1.1	81.5	-0.2	1.2
852	ok	0.10	0.3	5.89e-03	10.1	15.7	7.7	7.7	-41.6	4.0	3.4	80.8	2.8	1.2
853	ok	0.10	0.3	5.46e-03	10.1	15.7	7.7	7.7	-36.3	3.0	6.0	82.6	4.1	2.0
854	ok	0.10	0.3	4.76e-03	10.1	15.7	7.7	7.7	-33.8	-4.6	7.4	88.6	3.7	3.1
855	ok	0.11	0.4	4.75e-03	10.1	15.7	15.4	15.4	-36.1	-1.9	3.3	38.5	3.5	2.3
856	ok	0.10	0.2	9.05e-04	10.1	15.7	15.4	15.4	-5.9	9.6	-4.6	1.2	26.0	5.4
857	ok	0.10	0.1	3.96e-04	10.1	15.7	15.4	15.4	-0.4	5.0	2.9	-4.6	31.9	-1.8

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
858	ok	0.10	0.3	2.16e-03	10.1	15.7	15.4	15.4	30.7	10.1	-15.9	-39.6	15.6	15.9
859	ok	0.11	0.4	5.77e-03	10.1	15.7	15.4	15.4	-40.9	-20.6	8.9	101.9	13.4	-13.6
860	ok	0.10	0.4	4.65e-03	10.1	15.7	7.7	7.7	-32.1	-18.6	6.2	91.7	9.4	-10.3
861	ok	0.10	0.3	4.50e-03	10.1	15.7	7.7	7.7	-32.3	-15.6	4.5	87.1	9.9	-8.9
862	ok	0.10	0.3	4.41e-03	10.1	15.7	7.7	7.7	-32.5	-13.5	3.9	84.7	10.7	-7.8
863	ok	0.10	0.3	4.36e-03	10.1	15.7	7.7	7.7	-32.9	-12.2	3.7	83.3	11.5	-7.0
864	ok	0.10	0.3	4.33e-03	10.1	15.7	7.7	7.7	-33.2	-11.5	3.7	82.4	12.3	-6.4
865	ok	0.10	0.3	4.31e-03	10.1	15.7	7.7	7.7	-33.3	-11.3	3.7	81.9	12.9	-6.0
866	ok	0.10	0.3	4.30e-03	10.1	15.7	7.7	7.7	-33.3	-11.3	3.6	81.5	13.4	-5.6
867	ok	0.10	0.3	4.29e-03	10.1	15.7	7.7	7.7	-33.1	-11.4	3.4	81.4	13.7	-5.2
868	ok	0.10	0.3	4.28e-03	10.1	15.7	7.7	7.7	-33.0	-11.5	3.1	81.2	14.0	-5.0
869	ok	0.10	0.3	4.27e-03	10.1	15.7	7.7	7.7	-32.6	-11.8	2.7	81.2	14.3	-4.7
870	ok	0.10	0.3	4.26e-03	10.1	15.7	7.7	7.7	-32.3	-12.2	2.2	81.2	14.4	-4.4
871	ok	0.10	0.3	4.25e-03	10.1	15.7	7.7	7.7	-31.9	-12.5	1.5	81.1	14.5	-4.2
872	ok	0.10	0.3	4.26e-03	10.1	15.7	7.7	7.7	-31.4	-12.9	0.8	81.1	14.6	-4.0
873	ok	0.10	0.3	4.27e-03	10.1	15.7	7.7	7.7	-31.1	-13.4	-8.22e-02	81.1	14.6	-3.7
874	ok	0.10	0.3	4.28e-03	10.1	15.7	7.7	7.7	-30.7	-13.9	-1.1	81.1	14.5	-3.5
875	ok	0.10	0.3	4.31e-03	10.1	15.7	7.7	7.7	-30.6	-14.4	-2.3	81.0	14.4	-3.2
876	ok	0.10	0.3	4.35e-03	10.1	15.7	7.7	7.7	-30.7	-14.8	-3.6	80.8	14.2	-2.9
877	ok	0.10	0.3	4.42e-03	10.1	15.7	7.7	7.7	-30.9	-15.4	-5.4	80.7	13.8	-2.5
878	ok	0.10	0.3	4.69e-03	10.1	15.7	7.7	7.7	-32.0	-15.4	-7.1	80.4	13.2	-2.1
879	ok	0.10	0.3	5.05e-03	10.1	15.7	7.7	7.7	-34.1	-14.8	-8.7	80.2	12.3	-1.7
880	ok	0.10	0.3	5.44e-03	10.1	15.7	7.7	7.7	-37.1	-13.5	-9.8	80.0	11.0	-1.2
881	ok	0.10	0.3	5.82e-03	10.1	15.7	7.7	7.7	-41.0	-11.3	-9.9	79.9	9.2	-0.8
882	ok	0.10	0.3	6.11e-03	10.1	15.7	7.7	7.7	-45.0	-8.6	-8.2	80.0	6.8	-0.6
883	ok	0.10	0.3	6.20e-03	10.1	15.7	7.7	7.7	-47.9	-6.1	-4.7	80.4	3.9	-0.7
884	ok	0.10	0.3	6.03e-03	10.1	15.7	7.7	7.7	-44.3	3.5	0.8	79.7	2.7	-1.3
885	ok	0.11	0.3	6.11e-03	10.1	15.7	7.7	7.7	-46.6	-4.1	-2.1	66.8	-0.6	0.9
886	ok	0.11	0.3	5.54e-03	10.1	15.7	7.7	7.7	-42.2	-4.0	2.4	65.3	-0.7	-1.2
887	ok	0.11	0.4	5.82e-03	10.1	15.7	15.4	15.4	-43.0	4.5	3.3	32.3	-4.4	-3.2
888	ok	0.11	0.4	7.10e-03	10.1	15.7	15.4	15.4	-44.7	23.0	-9.4	84.5	-14.1	7.2
889	ok	0.12	0.2	5.67e-03	10.1	15.7	7.7	7.7	-41.5	-3.7	-2.1	54.0	-0.4	0.8
890	ok	0.12	0.2	5.35e-03	10.1	15.7	7.7	7.7	-39.1	-3.6	2.3	51.6	-0.4	-1.2
891	ok	0.12	0.3	5.44e-03	10.1	15.7	15.4	15.4	-39.9	-0.7	2.2	24.8	-0.4	-1.1
892	ok	0.12	0.3	5.48e-03	10.1	15.7	15.4	15.4	-38.5	-0.6	-2.9	65.5	-1.6	1.1
893	ok	0.13	0.2	4.52e-03	10.1	15.7	7.7	7.7	-31.8	-2.8	0.8	39.7	0.4	-2.4
894	ok	0.13	0.2	5.38e-03	10.1	15.7	7.7	7.7	-37.7	-1.4	2.2	18.8	-0.1	-1.0
895	ok	0.13	0.2	5.08e-03	10.1	15.7	7.7	7.7	-33.5	-3.6	-2.8	50.2	-0.8	1.1
896	ok	0.11	0.3	5.63e-03	10.1	15.7	7.7	7.7	-42.6	-4.1	1.0	66.9	-0.5	0.8
897	ok	0.11	0.3	5.36e-03	10.1	15.7	7.7	7.7	-35.9	3.9	8.6	66.7	1.7	-0.5
898	ok	0.11	0.3	5.06e-03	10.1	15.7	7.7	7.7	-32.2	3.5	11.0	68.9	2.6	-0.7
899	ok	0.11	0.3	4.57e-03	10.1	15.7	7.7	7.7	-33.3	-4.8	6.0	75.1	2.1	0.7
900	ok	0.11	0.4	5.57e-03	10.1	15.7	15.4	15.4	-24.6	0.3	6.6	79.8	5.9	0.8
901	ok	0.11	0.4	1.02e-02	10.1	15.7	15.4	15.4	-59.3	-32.0	30.3	94.1	14.7	-17.8
902	ok	0.11	0.3	5.34e-03	10.1	15.7	7.7	7.7	-35.4	-17.2	10.9	77.7	6.7	-6.8
903	ok	0.11	0.3	4.32e-03	10.1	15.7	7.7	7.7	-30.1	-14.4	6.6	72.2	7.1	-5.9
904	ok	0.11	0.3	4.14e-03	10.1	15.7	7.7	7.7	-29.2	-12.6	5.1	69.4	7.9	-5.6
905	ok	0.11	0.3	4.06e-03	10.1	15.7	7.7	7.7	-29.3	-11.4	4.5	67.8	8.7	-5.4
906	ok	0.11	0.3	4.02e-03	10.1	15.7	7.7	7.7	-29.5	-10.7	4.1	66.7	9.3	-5.1
907	ok	0.11	0.3	4.00e-03	10.1	15.7	7.7	7.7	-29.6	-10.4	3.9	66.0	9.9	-4.9
908	ok	0.11	0.3	3.99e-03	10.1	15.7	7.7	7.7	-29.6	-10.4	3.7	65.6	10.3	-4.7
909	ok	0.11	0.3	3.98e-03	10.1	15.7	7.7	7.7	-29.5	-10.5	3.5	65.3	10.6	-4.5
910	ok	0.11	0.3	3.98e-03	10.1	15.7	7.7	7.7	-29.3	-10.7	3.1	65.1	10.9	-4.3
911	ok	0.11	0.3	3.97e-03	10.1	15.7	7.7	7.7	-29.1	-11.0	2.7	65.0	11.1	-4.1
912	ok	0.11	0.3	3.96e-03	10.1	15.7	7.7	7.7	-28.8	-11.1	2.1	64.9	11.2	-3.9
913	ok	0.11	0.3	3.96e-03	10.1	15.7	7.7	7.7	-28.5	-11.4	1.5	64.9	11.3	-3.7
914	ok	0.11	0.3	3.97e-03	10.1	15.7	7.7	7.7	-28.1	-11.9	0.7	64.9	11.4	-3.5
915	ok	0.11	0.3	3.99e-03	10.1	15.7	7.7	7.7	-27.7	-12.2	-0.2	64.8	11.4	-3.3
916	ok	0.11	0.3	4.01e-03	10.1	15.7	7.7	7.7	-27.5	-12.5	-1.2	64.7	11.3	-3.0
917	ok	0.11	0.3	4.04e-03	10.1	15.7	7.7	7.7	-27.4	-12.8	-2.4	64.6	11.2	-2.8
918	ok	0.11	0.3	4.09e-03	10.1	15.7	7.7	7.7	-27.6	-12.9	-3.7	64.5	10.9	-2.5
919	ok	0.11	0.3	4.24e-03	10.1	15.7	7.7	7.7	-28.2	-12.8	-5.1	64.4	10.5	-2.2
920	ok	0.11	0.3	4.49e-03	10.1	15.7	7.7	7.7	-29.3	-12.4	-6.4	64.2	10.0	-1.8
921	ok	0.11	0.3	4.78e-03	10.1	15.7	7.7	7.7	-31.1	-11.5	-7.6	64.0	9.2	-1.5
922	ok	0.11	0.3	5.07e-03	10.1	15.7	7.7	7.7	-33.5	-10.1	-8.1	63.9	8.1	-1.2
923	ok	0.11	0.3	5.33e-03	10.1	15.7	7.7	7.7	-36.5	-8.3	-7.7	63.9	6.7	-0.9
924	ok	0.11	0.3	5.50e-03	10.1	15.7	7.7	7.7	-39.3	-6.3	-5.9	64.0	4.8	-0.9
925	ok	0.11	0.3	5.55e-03	10.1	15.7	7.7	7.7	-41.3	-4.7	-2.9	64.4	2.7	-1.2
926	ok	0.11	0.3	5.47e-03	10.1	15.7	7.7	7.7	-38.6	3.4	1.0	63.9	2.1	-1.8
927	ok	0.12	0.2	5.10e-03	10.1	15.7	7.7	7.7	-36.7	-4.0	4.8	54.1	-0.4	-0.5
928	ok	0.12	0.2	4.87e-03	10.1	15.7	7.7	7.7	-33.6	-3.8	8.0	55.0	-7.62e-02	-1.3
929	ok	0.12	0.2	4.72e-03	10.1	15.7	7.7	7.7	-28.0	3.4	10.6	55.8	1.9	-2.0
930	ok	0.12	0.3	4.43e-03	10.1	15.7	7.7	7.7	-25.7	2.8	10.6	58.7	2.6	-2.9
931	ok	0.12	0.3	4.89e-03	10.1	15.7	15.4	15.4	-26.4	2.2	6.3	57.6	2.6	-3.0
932	ok	0.12	0.3	5.89e-03	10.1	15.7	15.4	15.4	-40.5	-10.0	9.7	66.9	2.9	-2.5

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
933	ok	0.12	0.3	4.97e-03	10.1	15.7	7.7	7.7	-31.1	-13.5	10.6	61.5	5.1	-3.0
934	ok	0.12	0.3	4.23e-03	10.1	15.7	7.7	7.7	-27.9	-11.8	7.5	58.1	5.4	-3.4
935	ok	0.12	0.2	3.92e-03	10.1	15.7	7.7	7.7	-26.7	-10.8	5.8	55.8	6.0	-3.7
936	ok	0.12	0.2	3.81e-03	10.1	15.7	7.7	7.7	-26.4	-10.1	4.8	54.3	6.6	-3.9
937	ok	0.12	0.2	3.76e-03	10.1	15.7	7.7	7.7	-26.4	-9.7	4.3	53.2	7.1	-3.9
938	ok	0.12	0.2	3.74e-03	10.1	15.7	7.7	7.7	-26.5	-9.5	3.9	52.5	7.5	-3.9
939	ok	0.12	0.2	3.72e-03	10.1	15.7	7.7	7.7	-26.5	-9.5	3.6	52.0	7.8	-3.8
940	ok	0.12	0.2	3.72e-03	10.1	15.7	7.7	7.7	-26.5	-9.6	3.3	51.7	8.1	-3.7
941	ok	0.12	0.2	3.72e-03	10.1	15.7	7.7	7.7	-26.3	-9.8	2.9	51.4	8.3	-3.6
942	ok	0.12	0.2	3.72e-03	10.1	15.7	7.7	7.7	-26.1	-10.0	2.5	51.3	8.5	-3.5
943	ok	0.12	0.2	3.71e-03	10.1	15.7	7.7	7.7	-25.9	-10.3	1.9	51.2	8.6	-3.3
944	ok	0.12	0.2	3.72e-03	10.1	15.7	7.7	7.7	-25.6	-10.5	1.3	51.1	8.6	-3.2
945	ok	0.12	0.2	3.73e-03	10.1	15.7	7.7	7.7	-25.4	-10.7	0.5	51.0	8.7	-3.0
946	ok	0.12	0.2	3.75e-03	10.1	15.7	7.7	7.7	-25.1	-10.9	-0.3	51.0	8.6	-2.8
947	ok	0.12	0.2	3.78e-03	10.1	15.7	7.7	7.7	-25.0	-11.0	-1.3	50.9	8.6	-2.6
948	ok	0.12	0.2	3.82e-03	10.1	15.7	7.7	7.7	-25.0	-11.0	-2.4	50.8	8.4	-2.4
949	ok	0.12	0.2	3.89e-03	10.1	15.7	7.7	7.7	-25.2	-10.9	-3.5	50.7	8.2	-2.2
950	ok	0.12	0.2	4.07e-03	10.1	15.7	7.7	7.7	-25.8	-10.5	-4.7	50.6	7.8	-1.9
951	ok	0.12	0.2	4.28e-03	10.1	15.7	7.7	7.7	-26.8	-9.8	-5.7	50.5	7.3	-1.6
952	ok	0.12	0.2	4.50e-03	10.1	15.7	7.7	7.7	-28.3	-8.8	-6.5	50.3	6.7	-1.3
953	ok	0.12	0.2	4.71e-03	10.1	15.7	7.7	7.7	-30.2	-7.4	-6.7	50.3	5.8	-1.1
954	ok	0.12	0.2	4.88e-03	10.1	15.7	7.7	7.7	-32.4	-5.8	-6.1	50.3	4.7	-1.0
955	ok	0.12	0.2	4.98e-03	10.1	15.7	7.7	7.7	-34.3	-4.4	-4.4	50.4	3.4	-1.2
956	ok	0.12	0.2	5.00e-03	10.1	15.7	7.7	7.7	-35.7	-3.6	-1.8	50.8	1.9	-1.6
957	ok	0.12	0.2	4.99e-03	10.1	15.7	7.7	7.7	-36.6	-3.5	1.0	51.3	0.5	-2.2
958	ok	0.13	0.2	4.51e-03	10.1	15.7	7.7	7.7	-30.8	-3.8	4.9	43.0	-0.3	-0.7
959	ok	0.13	0.2	4.41e-03	10.1	15.7	7.7	7.7	-25.4	4.7	8.3	42.7	1.4	-1.6
960	ok	0.13	0.2	4.40e-03	10.1	15.7	7.7	7.7	-24.1	4.5	10.2	44.0	2.0	-2.7
961	ok	0.13	0.2	4.32e-03	10.1	15.7	7.7	7.7	-26.5	-2.9	10.0	46.8	1.2	-4.3
962	ok	0.13	0.2	4.69e-03	10.1	15.7	7.7	7.7	-24.3	4.2	7.3	48.1	2.3	-4.8
963	ok	0.13	0.2	4.88e-03	10.1	15.7	7.7	7.7	-28.6	2.1	2.2	48.9	3.2	1.1
964	ok	0.13	0.2	4.46e-03	10.1	15.7	7.7	7.7	-28.6	-6.9	8.0	47.7	3.8	-0.6
965	ok	0.13	0.2	4.02e-03	10.1	15.7	7.7	7.7	-25.7	-8.2	7.0	45.5	4.4	-1.5
966	ok	0.13	0.2	3.75e-03	10.1	15.7	7.7	7.7	-24.3	-8.5	5.7	43.9	4.7	-2.2
967	ok	0.13	0.2	3.60e-03	10.1	15.7	7.7	7.7	-23.8	-8.4	4.9	42.6	5.0	-2.6
968	ok	0.13	0.2	3.53e-03	10.1	15.7	7.7	7.7	-23.6	-8.4	4.3	41.7	5.4	-2.9
969	ok	0.13	0.2	3.50e-03	10.1	15.7	7.7	7.7	-23.6	-8.4	3.8	41.0	5.6	-3.0
970	ok	0.13	0.2	3.48e-03	10.1	15.7	7.7	7.7	-23.6	-8.5	3.5	40.5	5.9	-3.1
971	ok	0.13	0.2	3.46e-03	10.1	15.7	7.7	7.7	-23.6	-8.7	3.1	40.2	6.1	-3.1
972	ok	0.13	0.2	3.46e-03	10.1	15.7	7.7	7.7	-23.5	-8.9	2.7	39.9	6.2	-3.0
973	ok	0.13	0.2	3.46e-03	10.1	15.7	7.7	7.7	-23.4	-9.1	2.3	39.8	6.3	-2.9
974	ok	0.13	0.2	3.46e-03	10.1	15.7	7.7	7.7	-23.2	-9.3	1.7	39.6	6.4	-2.8
975	ok	0.13	0.2	3.47e-03	10.1	15.7	7.7	7.7	-23.0	-9.5	1.1	39.5	6.4	-2.7
976	ok	0.13	0.2	3.49e-03	10.1	15.7	7.7	7.7	-22.8	-9.6	0.4	39.5	6.4	-2.6
977	ok	0.13	0.2	3.51e-03	10.1	15.7	7.7	7.7	-22.6	-9.6	-0.4	39.4	6.4	-2.4
978	ok	0.13	0.2	3.54e-03	10.1	15.7	7.7	7.7	-22.6	-9.6	-1.3	39.3	6.3	-2.3
979	ok	0.13	0.2	3.58e-03	10.1	15.7	7.7	7.7	-22.6	-9.4	-2.2	39.2	6.2	-2.1
980	ok	0.13	0.2	3.70e-03	10.1	15.7	7.7	7.7	-22.9	-9.0	-3.2	39.1	5.9	-1.8
981	ok	0.13	0.2	3.85e-03	10.1	15.7	7.7	7.7	-23.4	-8.4	-4.2	39.1	5.6	-1.6
982	ok	0.13	0.2	4.02e-03	10.1	15.7	7.7	7.7	-24.3	-7.5	-5.0	39.0	5.2	-1.4
983	ok	0.13	0.2	4.19e-03	10.1	15.7	7.7	7.7	-25.5	-6.4	-5.5	38.9	4.7	-1.2
984	ok	0.13	0.2	4.34e-03	10.1	15.7	7.7	7.7	-26.9	-5.0	-5.5	38.9	4.0	-1.1
985	ok	0.13	0.2	4.45e-03	10.1	15.7	7.7	7.7	-28.4	-3.7	-4.8	38.9	3.2	-1.1
986	ok	0.13	0.2	4.50e-03	10.1	15.7	7.7	7.7	-29.8	-2.6	-3.4	39.0	2.3	-1.3
987	ok	0.13	0.2	4.50e-03	10.1	15.7	7.7	7.7	-30.8	-2.3	-1.4	39.3	1.3	-1.8
988	ok	0.13	0.2	4.67e-03	10.1	15.7	7.7	7.7	-31.0	-1.5	-0.8	32.5	3.20e-02	0.9
989	ok	0.13	0.2	3.97e-03	10.1	15.7	7.7	7.7	-24.9	-0.3	6.1	32.8	0.4	-0.7
990	ok	0.13	0.1	3.39e-03	10.1	15.7	7.7	7.7	-22.4	-0.3	-1.6	24.2	0.3	0.7
991	ok	0.13	0.1	3.43e-03	10.1	15.7	7.7	7.7	-21.0	-1.0	6.1	24.2	0.1	-0.9
992	ok	0.13	8.34e-02	2.39e-03	10.1	15.7	7.7	7.7	-15.7	-0.1	-1.8	17.1	0.2	0.6
993	ok	0.13	8.36e-02	2.69e-03	10.1	15.7	7.7	7.7	-16.4	-1.3	4.8	17.1	4.63e-02	-1.1
994	ok	0.13	5.61e-02	1.98e-03	10.1	15.7	7.7	7.7	-12.1	-1.2	3.4	11.2	6.37e-02	-1.3
995	ok	0.13	0.2	3.97e-03	10.1	15.7	7.7	7.7	-23.7	0.2	8.2	33.2	0.7	-2.0
996	ok	0.13	0.1	3.38e-03	10.1	15.7	7.7	7.7	-19.4	-2.2	7.7	24.6	0.3	-2.3
997	ok	0.13	8.74e-02	2.73e-03	10.1	15.7	7.7	7.7	-15.3	-3.4	6.2	17.3	0.1	-2.4
998	ok	0.13	6.03e-02	2.03e-03	10.1	15.7	7.7	7.7	-11.5	-3.6	4.3	11.3	0.2	-2.5
999	ok	0.13	0.2	4.06e-03	10.1	15.7	7.7	7.7	-23.3	-0.2	9.7	34.0	1.2	-3.4
1000	ok	0.13	0.1	3.57e-03	10.1	15.7	7.7	7.7	-19.3	-3.6	9.1	25.0	0.8	-3.7
1001	ok	0.13	9.22e-02	2.96e-03	10.1	15.7	7.7	7.7	-15.2	-6.0	7.5	17.5	0.7	-3.8
1002	ok	0.13	6.67e-02	2.22e-03	10.1	15.7	7.7	7.7	-11.2	-6.7	5.1	11.4	0.8	-3.8
1003	ok	0.13	0.2	4.23e-03	10.1	15.7	7.7	7.7	-24.3	-0.5	10.0	35.1	1.7	-4.7
1004	ok	0.13	0.1	3.99e-03	10.1	15.7	7.7	7.7	-21.6	-4.5	10.0	25.6	1.3	-5.3
1005	ok	0.13	0.1	3.63e-03	10.1	15.7	7.7	7.7	-17.8	-8.6	9.5	17.7	1.5	-5.4
1006	ok	0.13	7.65e-02	2.87e-03	10.1	15.7	7.7	7.7	-13.0	-10.9	6.6	11.3	2.0	-5.2
1007	ok	0.13	0.2	4.62e-03	10.1	15.7	7.7	7.7	-27.2	-0.6	7.0	36.3	1.3	-5.8

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
1008	ok	0.13	0.1	4.59e-03	10.1	15.7	7.7	7.7	-27.7	-3.2	8.5	26.2	1.2	-6.6
1009	ok	0.13	0.1	6.60e-03	10.1	15.7	7.7	7.7	-33.0	-14.5	17.2	19.2	3.2	-9.7
1010	ok	0.13	9.38e-02	4.75e-03	10.1	15.7	7.7	7.7	-22.0	-17.4	10.9	11.3	4.1	-7.0
1011	ok	0.13	0.2	5.35e-03	10.1	15.7	7.7	7.7	-35.5	-0.8	1.5	13.7	3.91e-02	-1.1
1012	ok	0.13	0.1	5.05e-03	10.1	15.7	7.7	7.7	-28.9	2.1	1.4	25.7	-0.1	-2.1
1013	ok	0.13	9.54e-02	5.90e-03	10.1	15.7	7.7	7.7	-38.7	-2.8	4.3	18.7	0.7	-2.9
1014	ok	0.13	0.2	4.83e-03	10.1	15.7	7.7	7.7	-30.1	-1.5	-0.9	34.2	-0.1	1.5
1015	ok	0.13	0.2	4.50e-03	10.1	15.7	7.7	7.7	-26.4	-0.7	0.7	36.5	2.0	2.5
1016	ok	0.13	0.1	4.37e-03	10.1	15.7	7.7	7.7	-28.9	-0.3	-2.1	9.9	0.1	0.8
1017	ok	0.13	0.1	4.04e-03	10.1	15.7	7.7	7.7	-26.4	-1.7	-2.7	9.8	0.6	1.3
1018	ok	0.13	8.62e-02	4.35e-03	10.1	15.7	7.7	7.7	-28.6	-0.8	-3.0	6.9	0.2	1.0
1019	ok	0.13	0.1	3.56e-03	10.1	15.7	7.7	7.7	-21.8	-4.3	-2.7	6.7	1.0	1.7
1020	ok	0.13	6.59e-02	3.02e-03	10.1	15.7	7.7	7.7	-18.9	-3.7	-4.2	4.4	1.4	1.6
1021	ok	0.13	0.2	4.09e-03	10.1	15.7	7.7	7.7	-25.0	-2.3	1.9	35.2	3.3	1.5
1022	ok	0.13	0.1	3.50e-03	10.1	15.7	7.7	7.7	-21.6	-3.2	0.5	25.2	2.5	2.2
1023	ok	0.13	8.62e-02	2.94e-03	10.1	15.7	7.7	7.7	-18.2	-4.4	-0.9	16.9	2.3	2.5
1024	ok	0.13	5.72e-02	2.37e-03	10.1	15.7	7.7	7.7	-14.6	-6.1	-2.4	10.3	2.3	2.3
1025	ok	0.13	0.2	3.76e-03	10.1	15.7	7.7	7.7	-23.2	-4.1	1.9	34.0	3.7	0.4
1026	ok	0.13	0.1	3.27e-03	10.1	15.7	7.7	7.7	-20.4	-4.8	0.7	24.5	2.8	1.0
1027	ok	0.13	8.25e-02	2.75e-03	10.1	15.7	7.7	7.7	-17.2	-5.9	-0.4	16.8	2.1	1.3
1028	ok	0.13	5.39e-02	2.27e-03	10.1	15.7	7.7	7.7	-13.8	-7.3	-1.7	10.6	1.8	1.3
1029	ok	0.13	0.2	3.54e-03	10.1	15.7	7.7	7.7	-22.0	-5.3	5.2	32.9	3.9	-1.1
1030	ok	0.13	0.1	3.12e-03	10.1	15.7	7.7	7.7	-19.3	-6.0	4.4	23.9	2.7	-0.6
1031	ok	0.13	8.05e-02	2.66e-03	10.1	15.7	7.7	7.7	-16.3	-7.0	-0.3	16.5	1.9	0.4
1032	ok	0.13	5.22e-02	2.27e-03	10.1	15.7	7.7	7.7	-13.2	-8.2	-1.3	10.6	1.4	0.5
1033	ok	0.13	0.2	3.40e-03	10.1	15.7	7.7	7.7	-21.3	-6.1	4.5	32.0	4.0	-1.7
1034	ok	0.13	0.1	3.00e-03	10.1	15.7	7.7	7.7	-18.6	-6.9	4.1	23.3	2.7	-1.2
1035	ok	0.13	7.92e-02	2.59e-03	10.1	15.7	7.7	7.7	-15.7	-7.8	3.6	16.2	1.8	-0.9
1036	ok	0.13	5.20e-02	2.26e-03	10.1	15.7	7.7	7.7	-12.8	-8.9	3.5	10.5	1.1	-0.8
1037	ok	0.13	0.2	3.32e-03	10.1	15.7	7.7	7.7	-21.0	-6.5	4.0	31.3	4.1	-2.0
1038	ok	0.13	0.1	2.93e-03	10.1	15.7	7.7	7.7	-18.2	-7.4	3.7	22.8	2.7	-1.7
1039	ok	0.13	7.84e-02	2.54e-03	10.1	15.7	7.7	7.7	-15.4	-8.3	3.4	15.8	1.6	-1.4
1040	ok	0.13	5.21e-02	2.25e-03	10.1	15.7	7.7	7.7	-12.5	-9.3	3.4	10.3	0.9	-1.3
1041	ok	0.13	0.2	3.28e-03	10.1	15.7	7.7	7.7	-20.9	-6.9	3.6	30.7	4.2	-2.3
1042	ok	0.13	0.1	2.88e-03	10.1	15.7	7.7	7.7	-18.1	-7.8	3.4	22.4	2.7	-2.0
1043	ok	0.13	7.77e-02	2.51e-03	10.1	15.7	7.7	7.7	-15.3	-8.7	3.1	15.5	1.6	-1.7
1044	ok	0.13	5.19e-02	2.24e-03	10.1	15.7	7.7	7.7	-12.4	-9.7	3.3	10.1	0.8	-1.6
1045	ok	0.13	0.1	3.25e-03	10.1	15.7	7.7	7.7	-20.8	-7.2	3.2	30.3	4.3	-2.4
1046	ok	0.13	0.1	2.86e-03	10.1	15.7	7.7	7.7	-18.1	-8.1	3.0	22.0	2.7	-2.2
1047	ok	0.13	7.70e-02	2.48e-03	10.1	15.7	7.7	7.7	-15.2	-8.9	2.9	15.2	1.5	-2.0
1048	ok	0.13	5.16e-02	2.22e-03	10.1	15.7	7.7	7.7	-12.4	-9.9	3.1	9.9	0.7	-1.9
1049	ok	0.13	0.1	3.23e-03	10.1	15.7	7.7	7.7	-20.8	-7.5	2.9	30.0	4.4	-2.5
1050	ok	0.13	0.1	2.83e-03	10.1	15.7	7.7	7.7	-18.0	-8.3	2.7	21.7	2.8	-2.3
1051	ok	0.13	7.63e-02	2.45e-03	10.1	15.7	7.7	7.7	-15.2	-9.1	2.6	15.0	1.5	-2.1
1052	ok	0.13	5.12e-02	2.20e-03	10.1	15.7	7.7	7.7	-12.4	-10.0	2.9	9.7	0.6	-2.0
1053	ok	0.13	0.1	3.23e-03	10.1	15.7	7.7	7.7	-20.8	-7.8	2.5	29.7	4.4	-2.5
1054	ok	0.13	0.1	2.81e-03	10.1	15.7	7.7	7.7	-18.0	-8.5	2.4	21.5	2.8	-2.3
1055	ok	0.13	7.57e-02	2.42e-03	10.1	15.7	7.7	7.7	-15.2	-9.3	2.3	14.8	1.5	-2.2
1056	ok	0.13	5.11e-02	2.17e-03	10.1	15.7	7.7	7.7	-12.4	-10.1	2.7	9.5	0.5	-2.2
1057	ok	0.13	0.1	3.23e-03	10.1	15.7	7.7	7.7	-20.7	-8.0	2.1	29.5	4.5	-2.5
1058	ok	0.13	0.1	2.81e-03	10.1	15.7	7.7	7.7	-18.0	-8.6	2.0	21.3	2.8	-2.3
1059	ok	0.13	7.51e-02	2.39e-03	10.1	15.7	7.7	7.7	-15.2	-9.3	2.0	14.6	1.5	-2.3
1060	ok	0.13	5.08e-02	2.14e-03	10.1	15.7	7.7	7.7	-12.4	-10.1	2.4	9.4	0.5	-2.2
1061	ok	0.13	0.1	3.23e-03	10.1	15.7	7.7	7.7	-20.6	-8.2	1.6	29.4	4.5	-2.4
1062	ok	0.13	0.1	2.81e-03	10.1	15.7	7.7	7.7	-17.9	-8.7	1.6	21.2	2.8	-2.3
1063	ok	0.13	7.44e-02	2.43e-03	10.1	15.7	7.7	7.7	-15.2	-9.3	1.6	14.5	1.5	-2.2
1064	ok	0.13	5.05e-02	2.19e-03	10.1	15.7	7.7	7.7	-12.4	-10.1	2.1	9.3	0.4	-2.2
1065	ok	0.13	0.1	3.25e-03	10.1	15.7	7.7	7.7	-20.4	-8.3	1.0	29.3	4.5	-2.3
1066	ok	0.13	0.1	2.83e-03	10.1	15.7	7.7	7.7	-17.8	-8.7	1.1	21.1	2.8	-2.3
1067	ok	0.13	7.38e-02	2.47e-03	10.1	15.7	7.7	7.7	-15.1	-9.3	1.2	14.4	1.4	-2.2
1068	ok	0.13	5.01e-02	2.23e-03	10.1	15.7	7.7	7.7	-12.4	-9.9	1.8	9.2	0.3	-2.2
1069	ok	0.13	0.1	3.27e-03	10.1	15.7	7.7	7.7	-20.3	-8.3	0.4	29.2	4.5	-2.2
1070	ok	0.13	0.1	2.85e-03	10.1	15.7	7.7	7.7	-17.7	-8.6	0.5	21.0	2.8	-2.2
1071	ok	0.13	7.32e-02	2.51e-03	10.1	15.7	7.7	7.7	-15.1	-9.1	0.7	14.3	1.4	-2.1
1072	ok	0.13	4.96e-02	2.28e-03	10.1	15.7	7.7	7.7	-12.4	-9.7	1.4	9.2	0.2	-2.1
1073	ok	0.13	0.1	3.30e-03	10.1	15.7	7.7	7.7	-20.2	-8.2	-0.3	29.1	4.5	-2.1
1074	ok	0.13	0.1	2.91e-03	10.1	15.7	7.7	7.7	-17.7	-8.5	-9.24e-02	20.9	2.7	-2.1
1075	ok	0.13	7.26e-02	2.57e-03	10.1	15.7	7.7	7.7	-15.1	-8.8	0.2	14.3	1.3	-2.0
1076	ok	0.13	4.87e-02	2.33e-03	10.1	15.7	7.7	7.7	-12.4	-9.3	1.0	9.1	0.1	-2.1
1077	ok	0.13	0.1	3.33e-03	10.1	15.7	7.7	7.7	-20.2	-8.0	-1.1	29.0	4.4	-2.0
1078	ok	0.13	0.1	2.97e-03	10.1	15.7	7.7	7.7	-17.7	-8.1	-0.7	20.8	2.6	-1.9
1079	ok	0.13	7.21e-02	2.63e-03	10.1	15.7	7.7	7.7	-15.1	-8.4	-0.4	14.2	1.1	-1.9
1080	ok	0.13	4.80e-02	2.38e-03	10.1	15.7	7.7	7.7	-12.5	-8.8	0.6	9.1	-1.86e-02	-1.9
1081	ok	0.13	0.1	3.40e-03	10.1	15.7	7.7	7.7	-20.3	-7.6	-1.9	29.0	4.2	-1.8
1082	ok	0.13	0.1	3.05e-03	10.1	15.7	7.7	7.7	-17.8	-7.7	-1.4	20.8	2.4	-1.8

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
1083	ok	0.13	7.15e-02	2.69e-03	10.1	15.7	7.7	7.7	-15.2	-7.9	-0.9	14.2	1.0	-1.8
1084	ok	0.13	4.75e-02	2.42e-03	10.1	15.7	7.7	7.7	-12.6	-8.2	0.1	9.1	-0.2	-1.8
1085	ok	0.13	0.1	3.51e-03	10.1	15.7	7.7	7.7	-20.5	-7.0	-2.7	28.9	4.0	-1.6
1086	ok	0.13	0.1	3.14e-03	10.1	15.7	7.7	7.7	-18.0	-7.1	-2.1	20.7	2.2	-1.6
1087	ok	0.13	7.09e-02	2.76e-03	10.1	15.7	7.7	7.7	-15.4	-7.2	-1.5	14.2	0.8	-1.6
1088	ok	0.13	4.70e-02	2.46e-03	10.1	15.7	7.7	7.7	-12.7	-7.5	-0.3	9.1	-0.4	-1.7
1089	ok	0.13	0.1	3.63e-03	10.1	15.7	7.7	7.7	-21.0	-6.2	-3.4	28.8	3.8	-1.4
1090	ok	0.13	0.1	3.22e-03	10.1	15.7	7.7	7.7	-18.4	-6.2	-2.6	20.7	2.0	-1.4
1091	ok	0.13	7.03e-02	2.82e-03	10.1	15.7	7.7	7.7	-15.7	-6.4	-1.9	14.2	0.5	-1.4
1092	ok	0.13	4.66e-02	2.50e-03	10.1	15.7	7.7	7.7	-12.9	-6.6	-0.6	9.1	-0.6	-1.5
1093	ok	0.13	0.1	3.75e-03	10.1	15.7	7.7	7.7	-21.7	-5.2	-4.0	28.8	3.5	-1.2
1094	ok	0.13	0.1	3.31e-03	10.1	15.7	7.7	7.7	-18.9	-5.3	-3.1	20.7	1.7	-1.3
1095	ok	0.13	7.00e-02	2.87e-03	10.1	15.7	7.7	7.7	-16.0	-5.5	-2.2	14.2	0.3	-1.3
1096	ok	0.13	4.63e-02	2.52e-03	10.1	15.7	7.7	7.7	-13.2	-5.7	-0.8	9.1	-0.9	-1.4
1097	ok	0.13	0.1	3.87e-03	10.1	15.7	7.7	7.7	-22.5	-3.9	-4.3	28.7	3.1	-1.1
1098	ok	0.13	0.1	3.39e-03	10.1	15.7	7.7	7.7	-19.5	-4.2	-3.2	20.7	1.3	-1.1
1099	ok	0.13	7.00e-02	2.92e-03	10.1	15.7	7.7	7.7	-16.5	-4.4	-2.3	14.2	-3.45e-02	-1.2
1100	ok	0.13	4.62e-02	2.54e-03	10.1	15.7	7.7	7.7	-13.5	-4.7	-0.9	9.1	-1.1	-1.3
1101	ok	0.13	0.1	3.97e-03	10.1	15.7	7.7	7.7	-23.6	-2.5	-4.1	28.7	2.6	-1.0
1102	ok	0.13	0.1	3.45e-03	10.1	15.7	7.7	7.7	-20.3	-3.0	-3.1	20.7	1.0	-1.1
1103	ok	0.13	7.02e-02	2.95e-03	10.1	15.7	7.7	7.7	-17.0	-3.4	-2.2	14.2	-0.3	-1.1
1104	ok	0.13	4.63e-02	2.54e-03	10.1	15.7	7.7	7.7	-13.8	-3.7	-0.8	9.2	-1.3	-1.3
1105	ok	0.13	0.1	4.04e-03	10.1	15.7	7.7	7.7	-24.6	-1.1	-3.6	28.8	2.1	-1.1
1106	ok	0.13	0.1	3.48e-03	10.1	15.7	7.7	7.7	-21.0	-1.9	-2.6	20.8	0.6	-1.1
1107	ok	0.13	7.05e-02	2.96e-03	10.1	15.7	7.7	7.7	-17.5	-2.5	-1.9	14.3	-0.5	-1.2
1108	ok	0.13	4.67e-02	2.53e-03	10.1	15.7	7.7	7.7	-14.2	-2.8	-0.6	9.2	-1.4	-1.3
1109	ok	0.13	0.1	4.07e-03	10.1	15.7	7.7	7.7	-25.6	-3.28e-03	-2.5	28.9	1.6	-1.3
1110	ok	0.13	0.1	3.50e-03	10.1	15.7	7.7	7.7	-21.7	-1.1	-1.9	20.8	0.3	-1.4
1111	ok	0.13	7.10e-02	2.98e-03	10.1	15.7	7.7	7.7	-18.1	-1.7	-1.4	14.3	-0.6	-1.5
1112	ok	0.13	4.73e-02	2.53e-03	10.1	15.7	7.7	7.7	-14.7	-2.0	-0.2	9.2	-1.4	-1.5
1113	ok	0.13	0.1	4.09e-03	10.1	15.7	7.7	7.7	-26.3	0.5	-1.1	29.1	1.1	-1.8
1114	ok	0.13	0.1	3.53e-03	10.1	15.7	7.7	7.7	-22.4	-0.7	-1.1	20.9	0.1	-1.9
1115	ok	0.13	7.21e-02	3.02e-03	10.1	15.7	7.7	7.7	-18.8	-1.2	-0.7	14.3	-0.6	-1.9
1116	ok	0.13	4.81e-02	2.55e-03	10.1	15.7	7.7	7.7	-15.2	-1.3	0.4	9.2	-1.1	-1.9
1117	ok	0.13	0.1	4.13e-03	10.1	15.7	7.7	7.7	-27.4	-6.01e-02	0.2	29.3	0.6	-2.4
1118	ok	0.13	0.1	3.71e-03	10.1	15.7	7.7	7.7	-23.7	-0.7	-0.2	21.0	9.26e-02	-2.6
1119	ok	0.13	7.33e-02	3.11e-03	10.1	15.7	7.7	7.7	-19.8	-0.7	0.1	14.3	-0.2	-2.5
1120	ok	0.13	4.87e-02	2.57e-03	10.1	15.7	7.7	7.7	-15.8	-0.6	1.3	9.0	-0.4	-2.3
1121	ok	0.13	0.1	4.87e-03	10.1	15.7	7.7	7.7	-32.4	-1.5	0.9	29.3	2.10e-02	-1.5
1122	ok	0.13	0.1	3.92e-03	10.1	15.7	7.7	7.7	-25.9	-0.3	1.7	21.0	0.3	-1.3
1123	ok	0.13	7.09e-02	3.13e-03	10.1	15.7	7.7	7.7	-20.6	-0.2	1.9	14.3	0.3	-1.2
1124	ok	0.13	3.09e-02	1.18e-03	10.1	15.7	7.7	7.7	-7.3	-0.3	-2.1	6.2	0.2	0.4
1125	ok	0.13	3.29e-02	1.30e-03	10.1	15.7	7.7	7.7	-8.2	-0.9	1.9	6.2	0.2	-1.4
1126	ok	0.13	1.29e-02	8.78e-04	10.1	15.7	7.7	7.7	-5.0	-0.2	-2.1	1.4	5.98e-02	0.4
1127	ok	0.13	1.77e-02	8.67e-04	10.1	15.7	7.7	7.7	-4.6	-0.4	1.3	2.4	0.3	-1.3
1128	ok	0.13	5.65e-03	4.29e-04	10.1	15.7	7.7	7.7	-1.5	0.8	1.9	0.3	1.65e-02	-0.4
1129	ok	0.13	3.83e-02	1.39e-03	10.1	15.7	7.7	7.7	-7.9	-2.5	2.1	6.2	0.4	-2.4
1130	ok	0.13	2.41e-02	9.48e-04	10.1	15.7	7.7	7.7	-4.7	-0.2	1.1	2.5	0.7	-2.2
1131	ok	0.13	9.07e-03	4.02e-04	10.1	15.7	7.7	7.7	-1.7	2.3	1.8	0.3	0.2	-0.5
1132	ok	0.13	4.61e-02	1.49e-03	10.1	15.7	7.7	7.7	-7.5	-4.8	2.1	6.2	1.1	-3.6
1133	ok	0.13	3.23e-02	9.94e-04	10.1	15.7	7.7	7.7	-4.6	-0.4	0.5	2.4	1.3	-3.1
1134	ok	0.13	1.50e-02	3.73e-04	10.1	15.7	7.7	7.7	-1.7	4.6	-2.3	0.3	1.3	-9.49e-02
1135	ok	0.13	5.57e-02	1.67e-03	10.1	15.7	7.7	7.7	-8.5	-8.2	2.0	5.8	2.3	-4.6
1136	ok	0.13	4.19e-02	1.17e-03	10.1	15.7	7.7	7.7	-5.0	-0.8	0.1	2.2	2.3	-3.8
1137	ok	0.13	2.32e-02	3.36e-04	10.1	15.7	7.7	7.7	-1.7	8.3	1.4	0.3	2.2	-1.1
1138	ok	0.13	6.79e-02	3.19e-03	10.1	15.7	7.7	7.7	-12.9	-11.9	2.7	4.9	4.4	-5.1
1139	ok	0.13	4.76e-02	1.26e-03	10.1	15.7	7.7	7.7	-7.5	-0.6	2.1	1.8	3.3	-4.0
1140	ok	0.13	2.95e-02	2.80e-04	10.1	15.7	7.7	7.7	-1.4	11.4	1.5	0.3	3.0	-1.2
1141	ok	0.13	6.27e-02	4.15e-03	10.1	15.7	7.7	7.7	-18.1	-10.3	12.2	3.0	4.8	-4.4
1142	ok	0.13	4.32e-02	2.27e-03	10.1	15.7	7.7	7.7	-8.4	-3.0	8.7	1.1	3.2	-3.3
1143	ok	0.13	6.86e-02	6.82e-03	10.1	15.7	7.7	7.7	-8.0	-28.6	22.9	1.7	5.5	-4.7
1144	ok	0.13	3.71e-02	3.01e-03	10.1	15.7	7.7	7.7	20.7	-5.0	-7.1	-4.3	0.6	1.8
1145	ok	0.13	3.34e-02	3.18e-03	10.1	15.7	7.7	7.7	-5.6	-10.4	12.1	0.8	2.3	-2.6
1146	ok	0.13	2.04e-02	1.53e-03	10.1	15.7	7.7	7.7	-1.8	-6.3	2.8	0.5	1.9	-0.9
1147	ok	0.13	2.81e-02	2.77e-03	10.1	15.7	7.7	7.7	-1.6	-13.6	7.9	0.4	1.6	-2.2
1148	ok	0.12	1.90e-02	1.10e-03	10.1	15.7	7.7	7.7	2.7	12.8	-1.5	-0.4	1.7	0.1
1149	ok	0.13	2.42e-02	3.02e-03	10.1	15.7	7.7	7.7	-2.2	-14.0	8.5	0.5	1.2	-1.9
1150	ok	0.13	1.82e-02	3.05e-03	10.1	15.7	7.7	7.7	-2.1	-18.7	2.7	0.5	1.1	-0.8
1151	ok	0.13	3.63e-02	2.31e-03	10.1	15.7	7.7	7.7	-2.5	-6.7	-9.3	0.7	2.6	0.6
1152	ok	0.13	2.61e-02	2.82e-04	10.1	15.7	7.7	7.7	10.2	14.7	2.2	-1.6	1.1	-0.5
1153	ok	0.13	2.01e-02	2.57e-03	10.1	15.7	7.7	7.7	-2.1	-15.0	4.0	0.5	1.2	-1.4
1154	ok	0.13	1.70e-02	3.78e-03	10.1	15.7	7.7	7.7	-2.1	-23.4	2.2	0.5	1.2	-0.7
1155	ok	0.13	3.46e-02	2.41e-03	10.1	15.7	7.7	7.7	-3.2	-7.7	-2.3	1.4	3.6	-6.62e-02
1156	ok	0.13	2.20e-02	2.48e-03	10.1	15.7	7.7	7.7	-4.4	-14.1	-0.3	0.8	2.0	-0.7
1157	ok	0.13	3.94e-02	2.25e-03	10.1	15.7	7.7	7.7	-10.2	-8.1	-4.2	3.7	3.5	1.7

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
1158	ok	0.13	2.51e-02	2.38e-03	10.1	15.7	7.7	7.7	-5.7	-12.7	-4.0	1.3	2.4	0.7
1159	ok	0.13	2.13e-02	3.18e-03	10.1	15.7	7.7	7.7	-1.4	-19.7	1.6	0.3	1.9	-0.4
1160	ok	0.13	3.37e-02	1.96e-03	10.1	15.7	7.7	7.7	-10.3	-8.9	-3.1	4.9	2.3	1.6
1161	ok	0.13	2.23e-02	2.25e-03	10.1	15.7	7.7	7.7	-5.8	-12.0	-3.0	1.7	1.9	0.9
1162	ok	0.13	1.78e-02	2.77e-03	10.1	15.7	7.7	7.7	-1.3	-17.1	-1.3	0.2	1.6	0.4
1163	ok	0.13	2.98e-02	1.84e-03	10.1	15.7	7.7	7.7	-9.9	-9.5	-2.2	5.3	1.5	1.0
1164	ok	0.13	1.72e-02	2.14e-03	10.1	15.7	7.7	7.7	-5.7	-11.6	-2.2	2.0	1.3	0.7
1165	ok	0.13	1.31e-02	2.52e-03	10.1	15.7	7.7	7.7	-1.4	-15.5	-1.3	0.2	1.1	0.4
1166	ok	0.13	2.78e-02	1.91e-03	10.1	15.7	7.7	7.7	-9.6	-9.9	-1.7	5.5	1.0	0.5
1167	ok	0.13	1.28e-02	2.09e-03	10.1	15.7	7.7	7.7	-5.6	-11.6	2.2	2.1	0.8	-0.4
1168	ok	0.13	9.40e-03	2.40e-03	10.1	15.7	7.7	7.7	-1.4	-14.8	1.7	0.2	0.6	-0.4
1169	ok	0.13	2.84e-02	1.97e-03	10.1	15.7	7.7	7.7	-9.3	-10.3	2.8	5.5	0.7	-0.7
1170	ok	0.13	1.39e-02	2.10e-03	10.1	15.7	7.7	7.7	-5.5	-11.7	2.4	2.1	0.4	-0.7
1171	ok	0.13	7.06e-03	2.37e-03	10.1	15.7	7.7	7.7	-1.4	-14.6	1.8	0.2	0.2	-0.5
1172	ok	0.13	2.90e-02	2.01e-03	10.1	15.7	7.7	7.7	-9.2	-10.7	2.9	5.4	0.4	-1.2
1173	ok	0.13	1.49e-02	2.12e-03	10.1	15.7	7.7	7.7	-5.5	-12.0	2.5	2.1	7.74e-02	-1.1
1174	ok	0.13	6.03e-03	2.37e-03	10.1	15.7	7.7	7.7	-1.4	-14.6	1.8	0.3	-0.1	-0.5
1175	ok	0.13	2.98e-02	2.04e-03	10.1	15.7	7.7	7.7	-9.1	-11.0	2.8	5.2	0.1	-1.5
1176	ok	0.13	1.57e-02	2.14e-03	10.1	15.7	7.7	7.7	-5.5	-12.3	2.5	2.0	-0.2	-1.4
1177	ok	0.13	8.25e-03	2.39e-03	10.1	15.7	7.7	7.7	-1.4	-14.7	1.8	0.3	-0.4	-0.6
1178	ok	0.13	3.02e-02	2.04e-03	10.1	15.7	7.7	7.7	-9.1	-11.2	2.7	5.1	-3.62e-02	-1.7
1179	ok	0.13	1.64e-02	2.15e-03	10.1	15.7	7.7	7.7	-5.5	-12.5	2.4	2.0	-0.4	-1.6
1180	ok	0.13	1.02e-02	2.40e-03	10.1	15.7	7.7	7.7	-1.9	-14.0	2.2	0.4	-0.6	-0.7
1181	ok	0.13	3.05e-02	2.04e-03	10.1	15.7	7.7	7.7	-9.2	-11.3	2.5	5.0	-0.2	-1.9
1182	ok	0.13	1.77e-02	2.15e-03	10.1	15.7	7.7	7.7	-5.6	-12.6	2.3	1.9	-0.6	-1.8
1183	ok	0.13	1.20e-02	2.41e-03	10.1	15.7	7.7	7.7	-1.9	-14.2	2.2	0.4	-0.8	-0.8
1184	ok	0.13	3.05e-02	2.03e-03	10.1	15.7	7.7	7.7	-9.2	-11.4	2.4	4.9	-0.3	-2.1
1185	ok	0.13	1.99e-02	2.15e-03	10.1	15.7	7.7	7.7	-5.6	-12.7	2.2	1.9	-0.8	-1.9
1186	ok	0.13	1.35e-02	2.40e-03	10.1	15.7	7.7	7.7	-1.9	-14.2	2.2	0.4	-1.0	-0.8
1187	ok	0.13	3.03e-02	2.00e-03	10.1	15.7	7.7	7.7	-9.2	-11.3	2.2	4.8	-0.4	-2.1
1188	ok	0.13	2.15e-02	2.13e-03	10.1	15.7	7.7	7.7	-5.6	-12.7	2.1	1.9	-0.9	-2.0
1189	ok	0.13	1.49e-02	2.38e-03	10.1	15.7	7.7	7.7	-1.9	-14.2	2.2	0.4	-1.1	-0.8
1190	ok	0.13	3.00e-02	2.02e-03	10.1	15.7	7.7	7.7	-9.3	-11.2	1.9	4.7	-0.5	-2.2
1191	ok	0.13	2.28e-02	2.10e-03	10.1	15.7	7.7	7.7	-5.6	-12.5	2.0	1.8	-1.1	-2.0
1192	ok	0.13	1.61e-02	2.35e-03	10.1	15.7	7.7	7.7	-1.9	-14.0	2.2	0.4	-1.3	-0.8
1193	ok	0.13	2.95e-02	2.03e-03	10.1	15.7	7.7	7.7	-9.3	-11.0	1.7	4.7	-0.6	-2.1
1194	ok	0.13	2.39e-02	2.06e-03	10.1	15.7	7.7	7.7	-5.7	-12.2	1.8	1.8	-1.2	-2.0
1195	ok	0.13	1.74e-02	2.30e-03	10.1	15.7	7.7	7.7	-1.9	-13.7	2.2	0.4	-1.5	-0.8
1196	ok	0.13	2.88e-02	2.03e-03	10.1	15.7	7.7	7.7	-9.3	-10.7	1.4	4.6	-0.7	-2.1
1197	ok	0.13	2.47e-02	2.00e-03	10.1	15.7	7.7	7.7	-5.7	-11.8	1.7	1.8	-1.4	-2.0
1198	ok	0.13	1.87e-02	2.22e-03	10.1	15.7	7.7	7.7	-1.9	-13.3	2.2	0.4	-1.6	-0.8
1199	ok	0.13	2.81e-02	2.03e-03	10.1	15.7	7.7	7.7	-9.3	-10.2	1.1	4.6	-0.9	-2.0
1200	ok	0.13	2.55e-02	1.94e-03	10.1	15.7	7.7	7.7	-5.7	-11.3	1.5	1.8	-1.5	-1.9
1201	ok	0.13	2.01e-02	2.12e-03	10.1	15.7	7.7	7.7	-2.0	-12.6	2.2	0.4	-1.8	-0.8
1202	ok	0.13	2.72e-02	2.03e-03	10.1	15.7	7.7	7.7	-9.4	-9.6	0.8	4.5	-1.1	-1.9
1203	ok	0.13	2.63e-02	1.86e-03	10.1	15.7	7.7	7.7	-5.7	-10.6	1.3	1.7	-1.7	-1.8
1204	ok	0.13	2.16e-02	1.99e-03	10.1	15.7	7.7	7.7	-2.0	-11.8	2.1	0.4	-2.0	-0.8
1205	ok	0.13	2.65e-02	2.03e-03	10.1	15.7	7.7	7.7	-9.4	-8.9	0.5	4.5	-1.3	-1.8
1206	ok	0.13	2.72e-02	1.77e-03	10.1	15.7	7.7	7.7	-5.8	-9.7	1.1	1.7	-2.0	-1.7
1207	ok	0.13	2.32e-02	1.83e-03	10.1	15.7	7.7	7.7	-2.0	-10.8	2.1	0.4	-2.2	-0.7
1208	ok	0.13	2.54e-02	2.02e-03	10.1	15.7	7.7	7.7	-9.5	-8.1	0.2	4.5	-1.5	-1.7
1209	ok	0.13	2.82e-02	1.68e-03	10.1	15.7	7.7	7.7	-5.8	-8.8	1.0	1.7	-2.2	-1.6
1210	ok	0.13	2.49e-02	1.65e-03	10.1	15.7	7.7	7.7	-2.0	-9.7	2.1	0.4	-2.5	-0.7
1211	ok	0.13	2.50e-02	2.00e-03	10.1	15.7	7.7	7.7	-9.6	-7.1	-5.59e-02	4.5	-1.7	-1.5
1212	ok	0.13	2.92e-02	1.58e-03	10.1	15.7	7.7	7.7	-5.9	-7.7	0.8	1.7	-2.4	-1.5
1213	ok	0.13	2.67e-02	1.44e-03	10.1	15.7	7.7	7.7	-2.0	-8.4	2.1	0.4	-2.7	-0.7
1214	ok	0.13	2.47e-02	1.99e-03	10.1	15.7	7.7	7.7	-9.8	-6.1	-0.2	4.5	-1.9	-1.4
1215	ok	0.13	3.03e-02	1.48e-03	10.1	15.7	7.7	7.7	-5.9	-6.5	0.7	1.7	-2.6	-1.4
1216	ok	0.13	2.82e-02	1.22e-03	10.1	15.7	7.7	7.7	-2.0	-7.0	2.0	0.4	-2.9	-0.7
1217	ok	0.13	2.46e-02	1.96e-03	10.1	15.7	7.7	7.7	-9.9	-5.1	-0.3	4.5	-2.1	-1.3
1218	ok	0.13	3.10e-02	1.39e-03	10.1	15.7	7.7	7.7	-6.0	-5.3	0.6	1.7	-2.8	-1.3
1219	ok	0.13	2.93e-02	1.01e-03	10.1	15.7	7.7	7.7	-2.0	-5.5	2.0	0.4	-3.0	-0.6
1220	ok	0.13	2.46e-02	1.94e-03	10.1	15.7	7.7	7.7	-10.1	-4.0	-0.3	4.6	-2.2	-1.3
1221	ok	0.13	3.11e-02	1.31e-03	10.1	15.7	7.7	7.7	-6.0	-4.1	0.6	1.8	-2.8	-1.2
1222	ok	0.13	2.95e-02	8.17e-04	10.1	15.7	7.7	7.7	-2.0	-4.0	2.0	0.4	-3.1	-0.6
1223	ok	0.13	2.47e-02	1.91e-03	10.1	15.7	7.7	7.7	-10.3	-3.0	-9.02e-02	4.6	-2.2	-1.3
1224	ok	0.13	3.01e-02	1.25e-03	10.1	15.7	7.7	7.7	-6.1	-2.9	0.7	1.8	-2.8	-1.2
1225	ok	0.13	2.84e-02	6.59e-04	10.1	15.7	7.7	7.7	-2.0	-2.5	2.0	0.4	-3.0	-0.6
1226	ok	0.13	2.50e-02	1.88e-03	10.1	15.7	7.7	7.7	-10.6	-2.2	0.2	4.6	-2.0	-1.4
1227	ok	0.13	2.74e-02	1.20e-03	10.1	15.7	7.7	7.7	-6.2	-1.9	0.9	1.8	-2.4	-1.2
1228	ok	0.13	2.51e-02	5.60e-04	10.1	15.7	7.7	7.7	-2.0	-1.2	1.9	0.4	-2.6	-0.6
1229	ok	0.13	2.52e-02	1.86e-03	10.1	15.7	7.7	7.7	-10.9	-1.4	0.7	4.5	-1.5	-1.6
1230	ok	0.13	2.24e-02	1.15e-03	10.1	15.7	7.7	7.7	-6.3	-1.1	1.2	1.7	-1.8	-1.3
1231	ok	0.13	1.91e-02	5.03e-04	10.1	15.7	7.7	7.7	-2.0	-0.2	1.9	0.5	-2.0	-0.6
1232	ok	0.13	2.62e-02	1.82e-03	10.1	15.7	7.7	7.7	-11.2	-0.7	1.4	4.2	-0.6	-1.8

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
1233	ok	0.13	1.48e-02	1.08e-03	10.1	15.7	7.7	7.7	-6.3	-0.6	1.6	1.5	-0.8	-1.3
1234	ok	0.13	9.60e-03	4.68e-04	10.1	15.7	7.7	7.7	-2.0	0.5	1.9	0.5	-0.9	-0.6
1235	ok	0.13	2.33e-02	1.72e-03	10.1	15.7	7.7	7.7	-11.0	-0.6	2.1	4.2	0.3	-1.0
1236	ok	0.13	1.08e-02	1.08e-03	10.1	15.7	7.7	7.7	-6.5	-0.2	2.0	1.5	0.3	-0.7
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-197.54	-117.16	-90.04	-39.55	-14.12	-46.53
		0.13	0.71	0.03	10.05	15.71	15.39	15.39	30.72	46.57	80.60	250.59	56.74	33.24

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		kN/ m2					kN/ m	kN/ m
3	ok	1.70						
4	ok	1.74						
7	ok	1.60						
8	ok	1.77						
9	ok	0.58						
10	ok	0.72						
11	ok	0.13						
12	ok	0.09						
13	ok	1.22						
14	ok	1.43						
15	ok	3.07						
16	ok	1.04						
17	ok	2.95						
18	ok	1.00						
19	ok	2.40						
20	ok	2.35						
118	ok	2.37						
119	ok	2.53						
120	ok	2.53						
121	ok	2.52						
122	ok	2.46						
179	ok	2.39						
180	ok	2.39						
181	ok	2.37						
559	ok	2.35						
560	ok	2.41						
561	ok	2.47						
562	ok	2.53						
563	ok	2.57						
564	ok	2.59						
565	ok	2.61						
566	ok	2.62						
567	ok	2.62						
568	ok	2.63						
569	ok	2.63						
570	ok	2.63						
571	ok	2.64						
572	ok	2.64						
573	ok	2.65						
574	ok	2.65						
575	ok	2.66						
576	ok	2.68						
577	ok	2.70						
578	ok	2.73						
579	ok	2.76						
580	ok	2.79						
581	ok	2.80						
582	ok	2.80						
583	ok	2.74						
584	ok	2.50						
697	ok	0.34						
698	ok	0.07						
699	ok	1.78						
700	ok	1.83						
701	ok	2.40						
702	ok	2.35						
703	ok	1.78						
704	ok	1.86						
705	ok	2.29						
706	ok	2.24						
707	ok	1.76						
708	ok	1.86						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
709	ok	2.15						
710	ok	2.08						
711	ok	1.70						
712	ok	1.84						
713	ok	2.47						
714	ok	2.41						
715	ok	2.37						
716	ok	2.53						
717	ok	2.53						
718	ok	2.52						
719	ok	2.46						
720	ok	2.39						
721	ok	2.39						
722	ok	2.37						
723	ok	2.35						
724	ok	2.41						
725	ok	2.47						
726	ok	2.53						
727	ok	2.57						
728	ok	2.59						
729	ok	2.61						
730	ok	2.62						
731	ok	2.62						
732	ok	2.63						
733	ok	2.63						
734	ok	2.63						
735	ok	2.64						
736	ok	2.64						
737	ok	2.65						
738	ok	2.65						
739	ok	2.66						
740	ok	2.68						
741	ok	2.70						
742	ok	2.73						
743	ok	2.76						
744	ok	2.79						
745	ok	2.80						
746	ok	2.80						
747	ok	2.74						
748	ok	2.50						
749	ok	2.18						
750	ok	2.28						
751	ok	2.28						
752	ok	2.27						
753	ok	2.23						
754	ok	2.35						
755	ok	2.35						
756	ok	2.33						
757	ok	2.15						
758	ok	2.20						
759	ok	2.27						
760	ok	2.34						
761	ok	2.38						
762	ok	2.41						
763	ok	2.43						
764	ok	2.45						
765	ok	2.46						
766	ok	2.47						
767	ok	2.47						
768	ok	2.48						
769	ok	2.48						
770	ok	2.49						
771	ok	2.49						
772	ok	2.50						
773	ok	2.51						
774	ok	2.53						
775	ok	2.54						
776	ok	2.56						
777	ok	2.58						
778	ok	2.60						
779	ok	2.60						
780	ok	2.59						
781	ok	2.53						
782	ok	2.36						
783	ok	1.94						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
784	ok	2.00						
785	ok	2.00						
786	ok	1.97						
787	ok	1.92						
788	ok	2.31						
789	ok	2.31						
790	ok	2.29						
791	ok	1.83						
792	ok	1.95						
793	ok	2.06						
794	ok	2.13						
795	ok	2.18						
796	ok	2.21						
797	ok	2.23						
798	ok	2.25						
799	ok	2.26						
800	ok	2.27						
801	ok	2.27						
802	ok	2.28						
803	ok	2.29						
804	ok	2.29						
805	ok	2.30						
806	ok	2.31						
807	ok	2.31						
808	ok	2.32						
809	ok	2.34						
810	ok	2.35						
811	ok	2.35						
812	ok	2.35						
813	ok	2.35						
814	ok	2.33						
815	ok	2.27						
816	ok	2.15						
817	ok	1.74						
818	ok	1.77						
819	ok	1.77						
820	ok	1.71						
821	ok	1.89						
822	ok	2.47						
823	ok	2.31						
824	ok	2.41						
825	ok	1.83						
826	ok	1.75						
827	ok	1.87						
828	ok	1.94						
829	ok	1.98						
830	ok	2.01						
831	ok	2.03						
832	ok	2.04						
833	ok	2.05						
834	ok	2.06						
835	ok	2.07						
836	ok	2.07						
837	ok	2.08						
838	ok	2.09						
839	ok	2.09						
840	ok	2.10						
841	ok	2.10						
842	ok	2.11						
843	ok	2.12						
844	ok	2.12						
845	ok	2.12						
846	ok	2.12						
847	ok	2.11						
848	ok	2.08						
849	ok	2.03						
850	ok	1.94						
851	ok	1.60						
852	ok	1.60						
853	ok	1.60						
854	ok	1.77						
855	ok	3.07						
856	ok	2.47						
857	ok	1.78						
858	ok	2.41						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
859	ok	2.95						
860	ok	1.85						
861	ok	1.73						
862	ok	1.77						
863	ok	1.80						
864	ok	1.82						
865	ok	1.83						
866	ok	1.85						
867	ok	1.86						
868	ok	1.86						
869	ok	1.87						
870	ok	1.87						
871	ok	1.88						
872	ok	1.88						
873	ok	1.89						
874	ok	1.89						
875	ok	1.90						
876	ok	1.90						
877	ok	1.90						
878	ok	1.90						
879	ok	1.90						
880	ok	1.89						
881	ok	1.88						
882	ok	1.85						
883	ok	1.81						
884	ok	1.77						
885	ok	1.48						
886	ok	1.67						
887	ok	3.07						
888	ok	2.95						
889	ok	1.35						
890	ok	1.55						
891	ok	2.45						
892	ok	2.23						
893	ok	1.43						
894	ok	2.04						
895	ok	1.83						
896	ok	1.48						
897	ok	1.47						
898	ok	1.53						
899	ok	1.77						
900	ok	3.07						
901	ok	2.95						
902	ok	1.85						
903	ok	1.64						
904	ok	1.61						
905	ok	1.62						
906	ok	1.64						
907	ok	1.65						
908	ok	1.65						
909	ok	1.66						
910	ok	1.67						
911	ok	1.67						
912	ok	1.68						
913	ok	1.68						
914	ok	1.69						
915	ok	1.69						
916	ok	1.70						
917	ok	1.70						
918	ok	1.70						
919	ok	1.70						
920	ok	1.70						
921	ok	1.69						
922	ok	1.68						
923	ok	1.66						
924	ok	1.64						
925	ok	1.61						
926	ok	1.67						
927	ok	1.35						
928	ok	1.36						
929	ok	1.46						
930	ok	1.74						
931	ok	2.45						
932	ok	2.23						
933	ok	1.82						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
934	ok	1.57						
935	ok	1.49						
936	ok	1.47						
937	ok	1.47						
938	ok	1.48						
939	ok	1.48						
940	ok	1.49						
941	ok	1.49						
942	ok	1.50						
943	ok	1.50						
944	ok	1.51						
945	ok	1.51						
946	ok	1.51						
947	ok	1.52						
948	ok	1.52						
949	ok	1.52						
950	ok	1.52						
951	ok	1.51						
952	ok	1.51						
953	ok	1.50						
954	ok	1.48						
955	ok	1.45						
956	ok	1.43						
957	ok	1.55						
958	ok	1.22						
959	ok	1.22						
960	ok	1.32						
961	ok	1.54						
962	ok	2.04						
963	ok	1.83						
964	ok	1.62						
965	ok	1.44						
966	ok	1.36						
967	ok	1.32						
968	ok	1.31						
969	ok	1.31						
970	ok	1.31						
971	ok	1.32						
972	ok	1.32						
973	ok	1.33						
974	ok	1.33						
975	ok	1.33						
976	ok	1.34						
977	ok	1.34						
978	ok	1.34						
979	ok	1.34						
980	ok	1.34						
981	ok	1.34						
982	ok	1.34						
983	ok	1.33						
984	ok	1.32						
985	ok	1.30						
986	ok	1.28						
987	ok	1.26						
988	ok	1.10						
989	ok	1.10						
990	ok	0.91						
991	ok	0.91						
992	ok	0.74						
993	ok	0.74						
994	ok	0.58						
995	ok	1.10						
996	ok	0.90						
997	ok	0.72						
998	ok	0.56						
999	ok	1.18						
1000	ok	0.95						
1001	ok	0.75						
1002	ok	0.57						
1003	ok	1.33						
1004	ok	1.04						
1005	ok	0.79						
1006	ok	0.61						
1007	ok	1.86						
1008	ok	1.59						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1009	ok	1.36						
1010	ok	1.04						
1011	ok	1.86						
1012	ok	1.59						
1013	ok	1.36						
1014	ok	1.66						
1015	ok	1.66						
1016	ok	1.43						
1017	ok	1.43						
1018	ok	1.24						
1019	ok	1.24						
1020	ok	1.00						
1021	ok	1.40						
1022	ok	1.11						
1023	ok	0.86						
1024	ok	0.65						
1025	ok	1.29						
1026	ok	1.04						
1027	ok	0.82						
1028	ok	0.62						
1029	ok	1.22						
1030	ok	1.00						
1031	ok	0.80						
1032	ok	0.61						
1033	ok	1.19						
1034	ok	0.98						
1035	ok	0.79						
1036	ok	0.60						
1037	ok	1.17						
1038	ok	0.97						
1039	ok	0.77						
1040	ok	0.60						
1041	ok	1.17						
1042	ok	0.96						
1043	ok	0.77						
1044	ok	0.59						
1045	ok	1.17						
1046	ok	0.96						
1047	ok	0.77						
1048	ok	0.59						
1049	ok	1.17						
1050	ok	0.96						
1051	ok	0.77						
1052	ok	0.59						
1053	ok	1.18						
1054	ok	0.96						
1055	ok	0.77						
1056	ok	0.59						
1057	ok	1.18						
1058	ok	0.97						
1059	ok	0.77						
1060	ok	0.59						
1061	ok	1.19						
1062	ok	0.97						
1063	ok	0.77						
1064	ok	0.59						
1065	ok	1.19						
1066	ok	0.97						
1067	ok	0.77						
1068	ok	0.59						
1069	ok	1.19						
1070	ok	0.97						
1071	ok	0.77						
1072	ok	0.59						
1073	ok	1.19						
1074	ok	0.97						
1075	ok	0.77						
1076	ok	0.59						
1077	ok	1.19						
1078	ok	0.97						
1079	ok	0.77						
1080	ok	0.59						
1081	ok	1.19						
1082	ok	0.97						
1083	ok	0.77						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1084	ok	0.59						
1085	ok	1.19						
1086	ok	0.97						
1087	ok	0.77						
1088	ok	0.59						
1089	ok	1.19						
1090	ok	0.97						
1091	ok	0.77						
1092	ok	0.59						
1093	ok	1.19						
1094	ok	0.97						
1095	ok	0.77						
1096	ok	0.58						
1097	ok	1.18						
1098	ok	0.96						
1099	ok	0.76						
1100	ok	0.58						
1101	ok	1.17						
1102	ok	0.95						
1103	ok	0.75						
1104	ok	0.57						
1105	ok	1.15						
1106	ok	0.93						
1107	ok	0.74						
1108	ok	0.56						
1109	ok	1.13						
1110	ok	0.91						
1111	ok	0.72						
1112	ok	0.55						
1113	ok	1.11						
1114	ok	0.90						
1115	ok	0.71						
1116	ok	0.53						
1117	ok	1.32						
1118	ok	1.11						
1119	ok	0.91						
1120	ok	0.72						
1121	ok	1.32						
1122	ok	1.11						
1123	ok	0.91						
1124	ok	0.42						
1125	ok	0.42						
1126	ok	0.28						
1127	ok	0.28						
1128	ok	0.15						
1129	ok	0.41						
1130	ok	0.27						
1131	ok	0.19						
1132	ok	0.42						
1133	ok	0.27						
1134	ok	0.23						
1135	ok	0.47						
1136	ok	0.30						
1137	ok	0.27						
1138	ok	0.76						
1139	ok	0.36						
1140	ok	0.33						
1141	ok	0.76						
1142	ok	0.36						
1143	ok	0.37						
1144	ok	0.37						
1145	ok	0.34						
1146	ok	0.34						
1147	ok	0.19						
1148	ok	0.19						
1149	ok	0.25						
1150	ok	0.25						
1151	ok	0.46						
1152	ok	0.46						
1153	ok	0.18						
1154	ok	0.11						
1155	ok	0.65						
1156	ok	0.27						
1157	ok	0.65						
1158	ok	0.27						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1159	ok	0.09						
1160	ok	0.45						
1161	ok	0.26						
1162	ok	0.09						
1163	ok	0.43						
1164	ok	0.26						
1165	ok	0.10						
1166	ok	0.43						
1167	ok	0.26						
1168	ok	0.11						
1169	ok	0.42						
1170	ok	0.26						
1171	ok	0.13						
1172	ok	0.42						
1173	ok	0.25						
1174	ok	0.14						
1175	ok	0.42						
1176	ok	0.25						
1177	ok	0.15						
1178	ok	0.41						
1179	ok	0.25						
1180	ok	0.15						
1181	ok	0.41						
1182	ok	0.24						
1183	ok	0.16						
1184	ok	0.41						
1185	ok	0.24						
1186	ok	0.16						
1187	ok	0.41						
1188	ok	0.24						
1189	ok	0.16						
1190	ok	0.40						
1191	ok	0.23						
1192	ok	0.16						
1193	ok	0.40						
1194	ok	0.23						
1195	ok	0.16						
1196	ok	0.40						
1197	ok	0.23						
1198	ok	0.16						
1199	ok	0.40						
1200	ok	0.23						
1201	ok	0.16						
1202	ok	0.40						
1203	ok	0.23						
1204	ok	0.15						
1205	ok	0.40						
1206	ok	0.23						
1207	ok	0.15						
1208	ok	0.40						
1209	ok	0.22						
1210	ok	0.14						
1211	ok	0.40						
1212	ok	0.22						
1213	ok	0.13						
1214	ok	0.40						
1215	ok	0.22						
1216	ok	0.12						
1217	ok	0.39						
1218	ok	0.22						
1219	ok	0.11						
1220	ok	0.39						
1221	ok	0.21						
1222	ok	0.10						
1223	ok	0.38						
1224	ok	0.21						
1225	ok	0.09						
1226	ok	0.37						
1227	ok	0.20						
1228	ok	0.08						
1229	ok	0.36						
1230	ok	0.19						
1231	ok	0.06						
1232	ok	0.50						
1233	ok	0.28						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1234	ok	0.09						
1235	ok	0.50						
1236	ok	0.28						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		3.07						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	65.00	3	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
									kN/ m	kN/ m	kN/ m	kN	kN	kN
1	ok	0.09	6.87e-03	6.64e-04	20.9	20.9	7.7	7.7	-5.5	1.6	-2.6	-1.7	0.3	-1.3
2	ok	0.09	7.23e-03	7.71e-04	20.9	20.9	7.7	7.7	-6.7	2.0	2.6	-1.9	0.5	1.6
3	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	110.0	40.8	42.2	182.1	23.7	25.0
4	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	136.2	44.6	-49.7	190.5	25.5	-29.2
5	ok	0.09	5.53e-03	4.07e-04	20.9	20.9	7.7	7.7	4.3	-2.4	-3.0	1.5	-0.1	-1.1
6	ok	0.09	5.63e-03	4.78e-04	20.9	20.9	7.7	7.7	5.2	-3.1	3.2	1.5	-0.5	1.3
19	ok	0.09	0.5	3.33e-03	20.9	20.9	7.7	7.7	110.6	20.4	-6.3	211.7	41.6	-4.3
20	ok	0.09	0.5	2.48e-03	20.9	20.9	7.7	7.7	109.1	17.8	-0.4	210.0	41.9	-7.2
21	ok	0.09	1.02e-02	3.36e-04	20.9	20.9	7.7	7.7	4.1	-9.20e-02	-3.8	1.4	-1.4	-1.6
22	ok	0.09	1.54e-02	4.39e-04	20.9	20.9	7.7	7.7	11.5	0.8	-4.1	5.0	-1.2	-3.1
23	ok	0.09	1.54e-02	1.70e-04	20.9	20.9	7.7	7.7	13.0	0.6	-4.0	5.8	0.7	-1.8
24	ok	0.09	2.26e-02	2.42e-04	20.9	20.9	7.7	7.7	4.1	0.5	-4.0	1.4	-4.1	-1.7
25	ok	0.09	2.69e-02	4.61e-04	20.9	20.9	7.7	7.7	11.7	0.1	-4.7	5.3	-3.6	-3.3
26	ok	0.09	3.34e-02	2.95e-04	20.9	20.9	7.7	7.7	4.1	-0.2	-4.1	1.4	-6.0	-1.7
27	ok	0.09	3.45e-02	5.81e-04	20.9	20.9	7.7	7.7	11.8	-0.7	-5.3	5.5	-5.4	-3.3
28	ok	0.09	3.98e-02	4.09e-04	20.9	20.9	7.7	7.7	4.1	-1.4	-4.1	1.4	-7.2	-1.7
29	ok	0.09	3.91e-02	7.08e-04	20.9	20.9	7.7	7.7	12.0	-1.7	-5.7	5.6	-6.4	-3.2
30	ok	0.09	4.28e-02	5.64e-04	20.9	20.9	7.7	7.7	4.1	-3.1	-4.1	1.4	-7.7	-1.8
31	ok	0.09	4.13e-02	8.45e-04	20.9	20.9	7.7	7.7	12.1	-2.9	-5.9	5.6	-6.9	-3.1
32	ok	0.09	4.37e-02	7.58e-04	20.9	20.9	7.7	7.7	4.1	-4.7	-3.9	1.5	-7.8	-1.7
33	ok	0.09	4.19e-02	9.56e-04	20.9	20.9	7.7	7.7	12.2	-4.2	-5.8	5.7	-7.0	-3.1
34	ok	0.09	3.17e-02	2.73e-04	20.9	20.9	7.7	7.7	19.1	0.8	-4.9	12.0	-0.9	-4.4
35	ok	0.09	2.88e-02	1.76e-04	20.9	20.9	7.7	7.7	20.2	0.9	-4.0	12.6	0.7	-2.0
36	ok	0.09	3.11e-02	3.97e-04	20.9	20.9	7.7	7.7	19.0	0.2	-5.6	12.4	-2.9	-4.3
37	ok	0.09	3.04e-02	5.31e-04	20.9	20.9	7.7	7.7	19.3	-0.6	-6.4	12.7	-4.3	-4.0
38	ok	0.09	3.36e-02	6.60e-04	20.9	20.9	7.7	7.7	19.7	-1.5	-6.9	12.9	-5.2	-3.7
39	ok	0.09	3.52e-02	7.81e-04	20.9	20.9	7.7	7.7	20.0	-2.5	-7.3	13.0	-5.5	-3.5
40	ok	0.09	3.51e-02	8.73e-04	20.9	20.9	7.7	7.7	20.2	-3.5	-7.2	13.0	-5.5	-3.4
41	ok	0.09	5.35e-02	2.50e-04	20.9	20.9	7.7	7.7	26.1	0.8	-5.5	22.2	-0.5	-5.3
42	ok	0.09	4.98e-02	1.63e-04	20.9	20.9	7.7	7.7	26.8	1.0	-4.0	22.6	0.6	-2.2
43	ok	0.09	5.28e-02	3.70e-04	20.9	20.9	7.7	7.7	26.2	0.3	-6.5	22.5	-2.0	-5.1
44	ok	0.09	5.23e-02	4.93e-04	20.9	20.9	7.7	7.7	26.7	-0.4	-7.4	22.8	-3.1	-4.4
45	ok	0.09	5.20e-02	6.06e-04	20.9	20.9	7.7	7.7	27.3	-1.1	-8.0	23.0	-3.6	-3.9
46	ok	0.09	5.19e-02	7.04e-04	20.9	20.9	7.7	7.7	27.8	-1.9	-8.4	23.1	-3.7	-3.6
47	ok	0.09	5.19e-02	7.69e-04	20.9	20.9	7.7	7.7	28.3	-2.6	-8.2	23.2	-3.5	-3.5
48	ok	0.09	8.04e-02	2.38e-04	20.9	20.9	7.7	7.7	32.6	0.8	-5.9	35.1	-0.2	-6.0
49	ok	0.09	7.72e-02	1.51e-04	20.9	20.9	7.7	7.7	32.8	0.9	-4.0	35.4	0.6	-2.3
50	ok	0.09	8.04e-02	3.50e-04	20.9	20.9	7.7	7.7	33.2	0.4	-7.3	35.3	-1.1	-5.6
51	ok	0.09	7.98e-02	4.57e-04	20.9	20.9	7.7	7.7	34.0	-0.1	-8.2	35.6	-1.6	-4.7
52	ok	0.09	7.94e-02	5.46e-04	20.9	20.9	7.7	7.7	34.9	-0.7	-8.8	35.7	-1.7	-4.0
53	ok	0.09	7.93e-02	6.13e-04	20.9	20.9	7.7	7.7	35.7	-1.2	-9.1	35.8	-1.4	-3.7
54	ok	0.09	7.94e-02	6.47e-04	20.9	20.9	7.7	7.7	36.3	-1.7	-9.0	35.9	-1.0	-3.4
55	ok	0.09	0.1	2.31e-04	20.9	20.9	7.7	7.7	38.9	0.8	-6.3	50.4	0.2	-6.3
56	ok	0.09	0.1	1.43e-04	20.9	20.9	7.7	7.7	38.2	0.9	-4.0	50.6	0.5	-2.4
57	ok	0.09	0.1	3.35e-04	20.9	20.9	7.7	7.7	40.0	0.5	-7.9	50.5	-4.37e-02	-5.9
58	ok	0.09	0.1	4.21e-04	20.9	20.9	7.7	7.7	41.4	7.17e-02	-8.8	50.6	0.1	-4.8
59	ok	0.09	0.1	4.80e-04	20.9	20.9	7.7	7.7	42.6	-0.3	-9.3	50.6	0.6	-4.0
60	ok	0.09	0.1	5.13e-04	20.9	20.9	7.7	7.7	43.7	-0.5	-9.6	50.7	1.2	-3.6
61	ok	0.09	0.1	5.09e-04	20.9	20.9	7.7	7.7	44.4	-0.6	-9.3	50.8	1.9	-3.4
62	ok	0.09	0.2	2.28e-04	20.9	20.9	7.7	7.7	44.8	0.8	-6.6	67.7	0.6	-6.4
63	ok	0.09	0.1	1.39e-04	20.9	20.9	7.7	7.7	43.3	0.9	-4.0	67.8	0.4	-2.4
64	ok	0.09	0.2	3.23e-04	20.9	20.9	7.7	7.7	46.8	0.5	-8.3	67.6	1.2	-5.8
65	ok	0.09	0.1	3.87e-04	20.9	20.9	7.7	7.7	48.8	0.2	-9.2	67.5	2.1	-4.7
66	ok	0.09	0.1	4.11e-04	20.9	20.9	7.7	7.7	50.5	0.1	-9.6	67.4	3.1	-3.9
67	ok	0.09	0.1	4.01e-04	20.9	20.9	7.7	7.7	51.8	0.2	-9.7	67.4	4.2	-3.5
68	ok	0.09	0.1	3.55e-04	20.9	20.9	7.7	7.7	52.7	0.4	-9.3	67.5	5.3	-3.4
69	ok	0.09	0.2	2.31e-04	20.9	20.9	7.7	7.7	50.6	0.7	-6.9	86.6	1.0	-6.1
70	ok	0.09	0.2	1.36e-04	20.9	20.9	7.7	7.7	47.8	0.9	-4.0	86.5	0.3	-2.4

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
71	ok	0.09	0.2	3.18e-04	20.9	20.9	7.7	7.7	53.6	0.5	-8.7	86.2	2.6	-5.3
72	ok	0.09	0.2	3.53e-04	20.9	20.9	7.7	7.7	56.4	0.3	-9.4	85.9	4.3	-4.2
73	ok	0.09	0.2	3.34e-04	20.9	20.9	7.7	7.7	58.6	0.5	-9.5	85.7	6.1	-3.5
74	ok	0.09	0.2	2.73e-04	20.9	20.9	7.7	7.7	60.1	1.0	-9.3	85.7	7.7	-3.3
75	ok	0.09	0.2	1.79e-04	20.9	20.9	7.7	7.7	61.0	1.6	-8.8	85.8	9.1	-3.3
76	ok	0.09	0.2	2.39e-04	20.9	20.9	7.7	7.7	56.2	0.7	-7.3	106.5	1.6	-5.3
77	ok	0.09	0.2	1.35e-04	20.9	20.9	7.7	7.7	52.0	0.9	-4.0	106.3	0.2	-2.2
78	ok	0.09	0.2	3.16e-04	20.9	20.9	7.7	7.7	60.6	0.4	-8.9	106.0	4.2	-4.5
79	ok	0.09	0.2	3.13e-04	20.9	20.9	7.7	7.7	64.3	0.5	-9.3	105.4	7.0	-3.5
80	ok	0.09	0.2	2.39e-04	20.9	20.9	7.7	7.7	67.0	1.0	-9.0	105.1	9.5	-3.0
81	ok	0.09	0.2	1.22e-04	20.9	20.9	7.7	7.7	68.6	1.9	-8.5	105.1	11.6	-3.1
82	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	69.5	3.0	-7.8	105.3	13.3	-3.3
83	ok	0.09	0.3	2.55e-04	20.9	20.9	7.7	7.7	61.8	0.5	-7.7	127.1	2.3	-4.1
84	ok	0.09	0.3	1.35e-04	20.9	20.9	7.7	7.7	55.4	0.9	-4.1	126.7	6.13e-02	-2.1
85	ok	0.09	0.3	3.10e-04	20.9	20.9	7.7	7.7	68.0	0.3	-8.9	126.3	6.2	-3.2
86	ok	0.09	0.3	2.48e-04	20.9	20.9	7.7	7.7	72.7	0.7	-8.7	125.6	10.1	-2.5
87	ok	0.09	0.3	1.10e-04	20.9	20.9	7.7	7.7	75.7	1.8	-7.9	125.2	13.5	-2.4
88	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	77.3	3.3	-7.2	125.3	16.1	-2.8
89	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	78.0	4.8	-6.4	125.6	18.0	-3.3
90	ok	0.09	0.3	2.75e-04	20.9	20.9	7.7	7.7	67.6	0.3	-8.1	147.7	3.2	-2.3
91	ok	0.09	0.3	1.38e-04	20.9	20.9	7.7	7.7	58.0	0.9	-4.2	147.0	-8.63e-02	-1.8
92	ok	0.09	0.3	2.72e-04	20.9	20.9	7.7	7.7	76.2	0.3	-8.7	146.9	8.8	-1.4
93	ok	0.09	0.3	1.21e-04	20.9	20.9	7.7	7.7	82.0	1.4	0.3	146.1	14.0	1.3
94	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	84.9	3.3	-6.2	145.9	18.1	-1.8
95	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	86.2	5.3	-5.3	146.0	21.1	-2.6
96	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	86.4	7.3	-4.6	146.5	23.1	-3.5
97	ok	0.09	0.4	2.68e-04	20.9	20.9	7.7	7.7	73.7	0.5	-0.8	167.9	3.8	2.2
98	ok	0.09	0.4	1.49e-04	20.9	20.9	7.7	7.7	59.2	0.7	-4.5	166.3	-8.89e-02	-1.4
99	ok	0.09	0.4	1.18e-04	20.9	20.9	7.7	7.7	85.8	1.2	0.4	167.2	12.0	3.2
100	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	92.0	3.6	2.7	166.8	18.9	2.6
101	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	94.5	6.4	4.2	166.8	23.7	1.4
102	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	94.9	8.7	-3.1	167.2	26.7	-2.6
103	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	94.7	10.6	-2.7	167.7	28.7	-3.7
104	ok	0.09	0.4	1.91e-04	20.9	20.9	7.7	7.7	82.7	2.4	0.4	186.7	5.8	5.2
105	ok	0.09	0.4	1.78e-04	20.9	20.9	7.7	7.7	58.1	-1.0	-5.7	181.2	-1.9	-0.6
106	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	98.0	5.3	5.2	186.9	17.1	5.6
107	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	102.0	9.8	6.7	187.4	25.1	3.7
108	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	103.3	12.6	7.3	188.1	30.0	1.8
109	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	103.0	14.0	-1.6	188.6	32.7	-2.3
110	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	102.5	14.8	-1.7	189.0	34.4	-3.6
111	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	114.8	10.2	21.2	203.0	11.0	14.2
112	ok	0.09	0.4	3.18e-03	20.9	20.9	7.7	7.7	45.8	-21.3	-21.3	176.4	-13.3	-7.4
113	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	108.0	20.2	15.0	200.6	24.8	6.9
114	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	110.0	22.9	13.0	203.4	31.9	3.9
115	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	110.9	22.5	11.6	204.7	35.9	1.9
116	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	110.7	20.7	-5.2	204.7	38.0	-3.1
117	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	110.4	18.9	-5.8	204.1	39.2	-4.4
118	ok	0.09	0.4	6.17e-03	20.9	20.9	7.7	7.7	93.0	52.9	22.3	190.0	33.5	12.3
119	ok	0.09	0.5	4.52e-03	20.9	20.9	7.7	7.7	102.0	49.4	11.8	205.2	37.5	4.5
120	ok	0.09	0.5	4.06e-03	20.9	20.9	7.7	7.7	107.1	41.8	6.7	212.3	39.8	0.5
121	ok	0.09	0.5	3.82e-03	20.9	20.9	7.7	7.7	109.4	33.7	-6.0	214.4	41.1	-2.2
122	ok	0.09	0.5	3.56e-03	20.9	20.9	7.7	7.7	110.2	26.3	-6.9	213.6	41.6	-3.4
123	ok	0.09	4.26e-02	9.03e-04	20.9	20.9	7.7	7.7	4.1	-6.6	-3.9	1.4	-7.6	-1.7
124	ok	0.09	4.10e-02	1.08e-03	20.9	20.9	7.7	7.7	12.3	-5.6	-5.8	5.6	-6.8	-3.1
125	ok	0.09	4.05e-02	1.10e-03	20.9	20.9	7.7	7.7	4.1	-8.4	-3.9	1.4	-7.2	-1.7
126	ok	0.09	3.96e-02	1.21e-03	20.9	20.9	7.7	7.7	12.3	-6.9	-5.8	5.6	-6.4	-3.2
127	ok	0.09	3.78e-02	1.29e-03	20.9	20.9	7.7	7.7	4.1	-10.1	-3.9	1.3	-6.7	-1.7
128	ok	0.09	3.75e-02	1.35e-03	20.9	20.9	7.7	7.7	12.4	-8.2	-5.8	5.6	-5.9	-3.4
129	ok	0.09	3.43e-02	1.50e-03	20.9	20.9	7.7	7.7	4.1	-12.1	-4.1	1.3	-6.1	-1.8
130	ok	0.09	3.51e-02	1.50e-03	20.9	20.9	7.7	7.7	12.4	-9.5	-6.1	5.6	-5.2	-3.6
131	ok	0.09	3.37e-02	9.75e-04	20.9	20.9	7.7	7.7	20.4	-4.4	-7.3	13.0	-5.2	-3.4
132	ok	0.09	3.16e-02	1.08e-03	20.9	20.9	7.7	7.7	20.6	-5.4	-7.3	13.0	-4.8	-3.6
133	ok	0.09	3.06e-02	1.17e-03	20.9	20.9	7.7	7.7	20.7	-6.4	-7.2	13.0	-4.2	-3.7
134	ok	0.09	3.12e-02	1.29e-03	20.9	20.9	7.7	7.7	20.8	-7.3	-7.5	13.0	-3.5	-4.0
135	ok	0.09	5.20e-02	8.42e-04	20.9	20.9	7.7	7.7	28.6	-3.2	-8.3	23.2	-3.1	-3.5
136	ok	0.09	5.23e-02	9.08e-04	20.9	20.9	7.7	7.7	28.8	-3.9	-8.3	23.2	-2.5	-3.6
137	ok	0.09	5.27e-02	9.72e-04	20.9	20.9	7.7	7.7	29.0	-4.5	-8.3	23.3	-1.9	-3.7
138	ok	0.09	5.33e-02	1.05e-03	20.9	20.9	7.7	7.7	29.2	-5.1	-8.6	23.3	-1.2	-4.0
139	ok	0.09	7.95e-02	6.85e-04	20.9	20.9	7.7	7.7	36.8	-2.0	-9.0	35.9	-0.4	-3.5
140	ok	0.09	7.99e-02	7.17e-04	20.9	20.9	7.7	7.7	37.1	-2.3	-9.0	36.0	0.2	-3.6
141	ok	0.09	8.05e-02	7.47e-04	20.9	20.9	7.7	7.7	37.3	-2.6	-8.9	36.1	0.9	-3.7
142	ok	0.09	8.12e-02	7.95e-04	20.9	20.9	7.7	7.7	37.5	-2.9	-9.2	36.3	1.6	-4.0
143	ok	0.09	0.1	5.11e-04	20.9	20.9	7.7	7.7	45.0	-0.7	-9.3	50.8	2.7	-3.4
144	ok	0.09	0.1	5.07e-04	20.9	20.9	7.7	7.7	45.4	-0.7	-9.2	51.0	3.4	-3.6
145	ok	0.09	0.1	5.03e-04	20.9	20.9	7.7	7.7	45.6	-0.6	-9.2	51.2	4.2	-3.8

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
146	ok	0.09	0.1	5.19e-04	20.9	20.9	7.7	7.7	45.9	-0.6	-9.5	51.5	5.0	-4.1
147	ok	0.09	0.1	3.16e-04	20.9	20.9	7.7	7.7	53.3	0.7	-9.2	67.7	6.2	-3.5
148	ok	0.09	0.2	2.75e-04	20.9	20.9	7.7	7.7	53.6	1.1	-9.1	67.9	7.1	-3.7
149	ok	0.09	0.2	2.38e-04	20.9	20.9	7.7	7.7	53.9	1.4	-9.1	68.2	7.9	-3.9
150	ok	0.09	0.2	2.21e-04	20.9	20.9	7.7	7.7	54.2	1.7	-9.5	68.6	8.7	-4.3
151	ok	0.09	0.2	1.00e-04	20.9	20.9	7.7	7.7	61.6	2.3	-8.6	86.0	10.2	-3.5
152	ok	0.09	0.2	3.03e-05	20.9	20.9	7.7	7.7	61.9	3.0	-8.6	86.4	11.2	-3.8
153	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	62.2	3.7	-8.6	86.8	12.0	-4.2
154	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	62.4	4.2	-9.1	87.3	12.9	-4.6
155	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	69.9	4.1	-7.7	105.6	14.6	-3.7
156	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	70.1	5.2	-7.7	106.1	15.6	-4.1
157	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	70.3	6.1	-7.8	106.6	16.5	-4.5
158	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	70.5	6.9	-8.4	107.2	17.3	-5.0
159	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	78.2	6.3	-6.3	126.0	19.3	-3.9
160	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	78.2	7.6	-6.4	126.6	20.4	-4.5
161	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	78.2	8.8	-6.7	127.3	21.2	-5.0
162	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	78.5	9.8	-7.5	128.1	22.0	-5.5
163	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	86.3	8.9	-4.6	147.0	24.4	-4.3
164	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	86.1	10.4	-4.9	147.7	25.4	-5.0
165	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	86.0	11.7	-5.4	148.5	26.1	-5.6
166	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	86.2	12.8	-6.3	149.4	26.8	-6.2
167	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	94.2	12.0	-2.9	168.3	29.8	-4.7
168	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	93.8	13.3	-3.4	169.0	30.6	-5.6
169	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	93.6	14.6	-4.0	169.8	31.3	-6.4
170	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	93.8	15.8	-5.0	170.9	31.8	-7.1
171	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	101.9	15.4	-2.1	189.2	35.3	-4.8
172	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	101.3	16.1	-2.6	189.7	35.9	-5.8
173	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	101.1	17.1	-3.1	190.5	36.3	-6.8
174	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	101.2	18.4	-4.1	191.6	36.7	-7.7
175	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	109.9	17.8	-5.7	203.5	39.8	-5.6
176	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	109.4	17.6	-5.5	203.4	40.1	-6.9
177	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	109.0	18.3	-5.5	204.0	40.3	-8.1
178	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	108.8	19.9	-5.7	205.2	40.5	-9.3
179	ok	0.09	0.5	3.01e-03	20.9	20.9	7.7	7.7	111.0	16.5	-5.0	210.0	41.4	-5.0
180	ok	0.09	0.5	2.61e-03	20.9	20.9	7.7	7.7	110.7	14.9	-3.0	208.8	41.3	-5.7
181	ok	0.09	0.5	2.21e-03	20.9	20.9	7.7	7.7	109.9	15.5	-1.2	208.8	41.5	-6.4
182	ok	0.09	3.06e-02	1.70e-03	20.9	20.9	7.7	7.7	4.1	-13.7	-4.2	1.4	-5.3	-1.9
183	ok	0.09	3.25e-02	1.65e-03	20.9	20.9	7.7	7.7	12.4	-10.9	-6.0	5.7	-4.4	-3.8
184	ok	0.09	2.72e-02	1.89e-03	20.9	20.9	7.7	7.7	4.1	-15.4	-4.2	1.4	-4.6	-1.9
185	ok	0.09	2.95e-02	1.80e-03	20.9	20.9	7.7	7.7	12.5	-12.3	-6.0	5.7	-3.7	-4.0
186	ok	0.09	2.37e-02	2.07e-03	20.9	20.9	7.7	7.7	4.2	-17.0	-4.3	1.4	-3.8	-2.0
187	ok	0.09	2.65e-02	1.93e-03	20.9	20.9	7.7	7.7	12.6	-13.5	-5.9	5.7	-2.9	-4.1
188	ok	0.09	2.02e-02	2.24e-03	20.9	20.9	7.7	7.7	4.2	-18.5	-4.3	1.4	-3.0	-2.0
189	ok	0.09	2.35e-02	2.05e-03	20.9	20.9	7.7	7.7	12.6	-14.7	-5.8	5.8	-2.1	-4.3
190	ok	0.09	1.67e-02	2.40e-03	20.9	20.9	7.7	7.7	4.2	-19.9	-4.3	1.4	-2.3	-2.0
191	ok	0.09	2.05e-02	2.17e-03	20.9	20.9	7.7	7.7	12.7	-15.8	-5.7	5.8	-1.4	-4.4
192	ok	0.09	1.37e-02	2.55e-03	20.9	20.9	7.7	7.7	4.2	-21.2	-4.3	1.4	-1.6	-2.0
193	ok	0.09	2.18e-02	2.28e-03	20.9	20.9	7.7	7.7	12.7	-16.8	-5.6	5.9	-0.7	-4.5
194	ok	0.09	1.10e-02	2.68e-03	20.9	20.9	7.7	7.7	4.2	-22.3	-4.3	1.4	-0.9	-2.0
195	ok	0.09	2.31e-02	2.37e-03	20.9	20.9	7.7	7.7	12.8	-17.7	-5.5	5.9	-3.32e-02	-4.6
196	ok	0.09	8.60e-03	2.79e-03	20.9	20.9	7.7	7.7	4.2	-23.3	-4.3	1.4	-0.4	-2.0
197	ok	0.09	2.43e-02	2.45e-03	20.9	20.9	7.7	7.7	12.8	-18.5	-5.3	5.9	0.5	-4.7
198	ok	0.09	9.81e-03	2.88e-03	20.9	20.9	7.7	7.7	4.2	-24.1	-4.3	1.4	0.1	-2.1
199	ok	0.09	2.55e-02	2.51e-03	20.9	20.9	7.7	7.7	12.9	-19.1	-5.2	6.0	1.0	-4.8
200	ok	0.09	1.10e-02	2.94e-03	20.9	20.9	7.7	7.7	4.3	-24.6	-4.3	1.4	0.5	-2.1
201	ok	0.09	2.69e-02	2.55e-03	20.9	20.9	7.7	7.7	12.9	-19.5	-5.0	6.0	1.4	-4.9
202	ok	0.09	1.19e-02	2.98e-03	20.9	20.9	7.7	7.7	4.3	-25.0	-4.3	1.4	0.8	-2.1
203	ok	0.09	2.79e-02	2.58e-03	20.9	20.9	7.7	7.7	13.0	-19.8	-4.8	6.0	1.7	-4.9
204	ok	0.09	1.25e-02	3.00e-03	20.9	20.9	7.7	7.7	4.3	-25.1	-4.4	1.4	1.0	-2.1
205	ok	0.09	2.86e-02	2.59e-03	20.9	20.9	7.7	7.7	13.0	-19.8	-4.5	6.1	1.9	-4.9
206	ok	0.09	1.29e-02	2.98e-03	20.9	20.9	7.7	7.7	4.3	-24.9	-4.4	1.4	1.0	-2.1
207	ok	0.09	2.89e-02	2.58e-03	20.9	20.9	7.7	7.7	13.1	-19.7	-4.3	6.1	2.0	-4.9
208	ok	0.09	1.27e-02	2.92e-03	20.9	20.9	7.7	7.7	4.3	-24.4	-4.4	1.4	1.0	-2.1
209	ok	0.09	2.88e-02	2.55e-03	20.9	20.9	7.7	7.7	13.1	-19.3	-4.0	6.1	2.0	-4.9
210	ok	0.09	1.22e-02	2.83e-03	20.9	20.9	7.7	7.7	4.3	-23.6	-4.4	1.4	0.8	-2.1
211	ok	0.09	2.82e-02	2.49e-03	20.9	20.9	7.7	7.7	13.2	-18.6	-3.7	6.2	1.8	-4.9
212	ok	0.09	1.13e-02	2.71e-03	20.9	20.9	7.7	7.7	4.3	-22.5	-4.4	1.4	0.5	-2.1
213	ok	0.09	2.73e-02	2.40e-03	20.9	20.9	7.7	7.7	13.2	-17.7	-3.4	6.2	1.5	-4.8
214	ok	0.09	1.01e-02	2.53e-03	20.9	20.9	7.7	7.7	4.3	-21.0	-4.4	1.4	0.1	-2.1
215	ok	0.09	2.59e-02	2.28e-03	20.9	20.9	7.7	7.7	13.3	-16.5	-3.1	6.3	1.1	-4.8
216	ok	0.09	8.83e-03	2.32e-03	20.9	20.9	7.7	7.7	4.4	-19.1	-4.4	1.4	-0.4	-2.1
217	ok	0.09	2.47e-02	2.14e-03	20.9	20.9	7.7	7.7	13.3	-15.1	-2.7	6.3	0.6	-4.7
218	ok	0.09	1.12e-02	2.06e-03	20.9	20.9	7.7	7.7	4.4	-16.8	-4.4	1.4	-1.0	-2.0
219	ok	0.09	2.35e-02	1.98e-03	20.9	20.9	7.7	7.7	13.4	-13.3	-2.4	6.4	-2.49e-02	-4.5
220	ok	0.09	1.38e-02	1.77e-03	20.9	20.9	7.7	7.7	4.4	-14.1	-4.4	1.4	-1.6	-2.0

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
221	ok	0.09	2.20e-02	1.79e-03	20.9	20.9	7.7	7.7	13.4	-11.4	-2.2	6.4	-0.7	-4.3
222	ok	0.09	1.61e-02	1.45e-03	20.9	20.9	7.7	7.7	4.4	-11.2	-4.4	1.4	-2.2	-2.0
223	ok	0.09	2.03e-02	1.58e-03	20.9	20.9	7.7	7.7	13.4	-9.2	-2.0	6.5	-1.3	-4.0
224	ok	0.09	1.80e-02	1.12e-03	20.9	20.9	7.7	7.7	4.5	-8.2	-4.4	1.4	-2.7	-1.9
225	ok	0.09	1.92e-02	1.37e-03	20.9	20.9	7.7	7.7	13.3	-7.0	-2.0	6.6	-1.8	-3.6
226	ok	0.09	1.87e-02	8.12e-04	20.9	20.9	7.7	7.7	4.5	-5.2	-4.4	1.4	-3.0	-1.9
227	ok	0.09	1.88e-02	1.15e-03	20.9	20.9	7.7	7.7	13.2	-4.9	-2.2	6.7	-2.0	-3.1
228	ok	0.09	1.77e-02	5.56e-04	20.9	20.9	7.7	7.7	4.5	-2.6	-4.5	1.4	-2.9	-1.8
229	ok	0.09	1.69e-02	9.30e-04	20.9	20.9	7.7	7.7	13.1	-2.9	-2.7	6.7	-2.0	-2.5
230	ok	0.09	1.41e-02	3.92e-04	20.9	20.9	7.7	7.7	4.5	-0.9	-4.6	1.4	-2.2	-1.7
231	ok	0.09	1.56e-02	7.16e-04	20.9	20.9	7.7	7.7	13.0	-1.2	-3.5	6.7	-1.4	-1.8
232	ok	0.09	8.54e-03	4.51e-04	20.9	20.9	7.7	7.7	4.7	-1.0	4.0	1.4	-1.1	1.5
233	ok	0.09	1.56e-02	4.89e-04	20.9	20.9	7.7	7.7	12.8	8.10e-03	4.6	6.5	-0.5	1.6
234	ok	0.09	1.74e-02	2.32e-04	20.9	20.9	7.7	7.7	14.8	0.4	4.3	7.0	0.5	1.7
235	ok	0.09	3.24e-02	1.39e-03	20.9	20.9	7.7	7.7	20.8	-8.3	-7.4	13.1	-2.8	-4.2
236	ok	0.09	3.35e-02	1.49e-03	20.9	20.9	7.7	7.7	20.9	-9.3	-7.3	13.2	-2.0	-4.4
237	ok	0.09	3.46e-02	1.59e-03	20.9	20.9	7.7	7.7	21.0	-10.3	-7.2	13.3	-1.2	-4.6
238	ok	0.09	3.57e-02	1.68e-03	20.9	20.9	7.7	7.7	21.1	-11.2	-7.0	13.4	-0.4	-4.8
239	ok	0.09	3.67e-02	1.76e-03	20.9	20.9	7.7	7.7	21.2	-12.0	-6.9	13.5	0.3	-5.0
240	ok	0.09	3.82e-02	1.84e-03	20.9	20.9	7.7	7.7	21.4	-12.8	-6.7	13.6	1.0	-5.1
241	ok	0.09	3.97e-02	1.90e-03	20.9	20.9	7.7	7.7	21.5	-13.5	-6.4	13.7	1.6	-5.2
242	ok	0.09	4.11e-02	1.96e-03	20.9	20.9	7.7	7.7	21.6	-14.0	-6.1	13.8	2.2	-5.4
243	ok	0.09	4.22e-02	1.99e-03	20.9	20.9	7.7	7.7	21.7	-14.5	-5.8	13.9	2.7	-5.4
244	ok	0.09	4.32e-02	2.02e-03	20.9	20.9	7.7	7.7	21.8	-14.8	-5.5	14.0	3.1	-5.5
245	ok	0.09	4.39e-02	2.03e-03	20.9	20.9	7.7	7.7	21.9	-15.0	-5.1	14.1	3.4	-5.6
246	ok	0.09	4.44e-02	2.02e-03	20.9	20.9	7.7	7.7	22.0	-15.0	-4.7	14.2	3.6	-5.6
247	ok	0.09	4.47e-02	2.02e-03	20.9	20.9	7.7	7.7	22.1	-14.9	-4.2	14.3	3.6	-5.6
248	ok	0.09	4.48e-02	2.00e-03	20.9	20.9	7.7	7.7	22.2	-14.6	-3.7	14.3	3.6	-5.7
249	ok	0.09	4.46e-02	1.97e-03	20.9	20.9	7.7	7.7	22.4	-14.2	-3.2	14.4	3.4	-5.6
250	ok	0.09	4.41e-02	1.92e-03	20.9	20.9	7.7	7.7	22.5	-13.5	-2.7	14.5	3.1	-5.6
251	ok	0.09	4.34e-02	1.85e-03	20.9	20.9	7.7	7.7	22.5	-12.6	-2.1	14.6	2.6	-5.6
252	ok	0.09	4.24e-02	1.77e-03	20.9	20.9	7.7	7.7	22.6	-11.6	-1.5	14.7	2.1	-5.4
253	ok	0.09	4.11e-02	1.66e-03	20.9	20.9	7.7	7.7	22.6	-10.4	-1.0	14.8	1.4	-5.3
254	ok	0.09	3.98e-02	1.54e-03	20.9	20.9	7.7	7.7	22.5	-9.0	-0.6	15.0	0.7	-5.0
255	ok	0.09	3.89e-02	1.41e-03	20.9	20.9	7.7	7.7	22.4	-7.4	-0.3	15.2	4.14e-02	-4.7
256	ok	0.09	3.78e-02	1.25e-03	20.9	20.9	7.7	7.7	22.1	-5.8	-0.2	15.3	-0.6	-4.2
257	ok	0.09	3.64e-02	1.07e-03	20.9	20.9	7.7	7.7	21.8	-4.1	-0.5	15.5	-1.0	-3.5
258	ok	0.09	3.53e-02	8.65e-04	20.9	20.9	7.7	7.7	21.3	-2.5	-1.1	15.6	-1.2	-2.7
259	ok	0.09	3.42e-02	6.43e-04	20.9	20.9	7.7	7.7	20.9	-0.8	-2.0	15.6	-0.9	-1.6
260	ok	0.09	3.47e-02	4.24e-04	20.9	20.9	7.7	7.7	21.2	0.2	5.7	15.6	-0.2	2.1
261	ok	0.09	3.54e-02	2.29e-04	20.9	20.9	7.7	7.7	22.7	0.8	4.4	15.9	0.6	1.9
262	ok	0.09	5.41e-02	1.12e-03	20.9	20.9	7.7	7.7	29.3	-5.8	-8.5	23.5	-0.4	-4.3
263	ok	0.09	5.53e-02	1.18e-03	20.9	20.9	7.7	7.7	29.4	-6.4	-8.3	23.7	0.4	-4.5
264	ok	0.09	5.66e-02	1.25e-03	20.9	20.9	7.7	7.7	29.6	-7.1	-8.2	23.9	1.1	-4.7
265	ok	0.09	5.79e-02	1.31e-03	20.9	20.9	7.7	7.7	29.7	-7.7	-8.0	24.0	1.9	-4.9
266	ok	0.09	5.91e-02	1.36e-03	20.9	20.9	7.7	7.7	29.9	-8.3	-7.7	24.2	2.6	-5.1
267	ok	0.09	6.02e-02	1.41e-03	20.9	20.9	7.7	7.7	30.1	-8.9	-7.5	24.4	3.3	-5.3
268	ok	0.09	6.12e-02	1.45e-03	20.9	20.9	7.7	7.7	30.3	-9.4	-7.1	24.6	4.0	-5.4
269	ok	0.09	6.23e-02	1.48e-03	20.9	20.9	7.7	7.7	30.4	-9.8	-6.8	24.7	4.5	-5.5
270	ok	0.09	6.35e-02	1.50e-03	20.9	20.9	7.7	7.7	30.6	-10.1	-6.3	24.9	5.0	-5.6
271	ok	0.09	6.46e-02	1.51e-03	20.9	20.9	7.7	7.7	30.8	-10.4	-5.9	25.1	5.4	-5.7
272	ok	0.09	6.55e-02	1.51e-03	20.9	20.9	7.7	7.7	31.0	-10.5	-5.4	25.2	5.7	-5.8
273	ok	0.09	6.61e-02	1.50e-03	20.9	20.9	7.7	7.7	31.2	-10.6	-4.8	25.3	5.8	-5.8
274	ok	0.09	6.65e-02	1.50e-03	20.9	20.9	7.7	7.7	31.3	-10.5	-4.2	25.5	5.9	-5.9
275	ok	0.09	6.66e-02	1.50e-03	20.9	20.9	7.7	7.7	31.5	-10.4	-3.6	25.6	5.8	-5.9
276	ok	0.09	6.65e-02	1.49e-03	20.9	20.9	7.7	7.7	31.7	-10.1	-2.9	25.7	5.6	-5.9
277	ok	0.09	6.61e-02	1.47e-03	20.9	20.9	7.7	7.7	31.9	-9.7	-2.2	25.8	5.3	-5.9
278	ok	0.09	6.55e-02	1.44e-03	20.9	20.9	7.7	7.7	32.0	-9.1	-1.5	26.0	4.8	-5.9
279	ok	0.09	6.51e-02	1.41e-03	20.9	20.9	7.7	7.7	32.1	-8.5	-0.7	26.1	4.2	-5.8
280	ok	0.09	6.46e-02	1.36e-03	20.9	20.9	7.7	7.7	32.0	-7.7	-5.04e-02	26.3	3.5	-5.7
281	ok	0.09	6.40e-02	1.29e-03	20.9	20.9	7.7	7.7	31.9	-6.8	0.5	26.5	2.7	-5.5
282	ok	0.09	6.32e-02	1.21e-03	20.9	20.9	7.7	7.7	31.5	-5.7	1.0	26.7	1.8	-5.1
283	ok	0.09	6.20e-02	1.10e-03	20.9	20.9	7.7	7.7	31.0	-4.5	1.1	27.0	1.0	-4.6
284	ok	0.09	6.14e-02	9.66e-04	20.9	20.9	7.7	7.7	30.3	-3.2	0.9	27.3	0.3	-3.8
285	ok	0.09	6.06e-02	7.96e-04	20.9	20.9	7.7	7.7	29.5	-1.9	0.3	27.5	-0.2	-2.8
286	ok	0.09	5.96e-02	5.97e-04	20.9	20.9	7.7	7.7	28.8	-0.5	-0.7	27.6	-0.2	-1.5
287	ok	0.09	6.06e-02	3.88e-04	20.9	20.9	7.7	7.7	28.7	0.3	6.6	27.6	2.62e-02	2.4
288	ok	0.09	6.08e-02	2.08e-04	20.9	20.9	7.7	7.7	29.6	0.9	4.4	27.9	0.5	1.9
289	ok	0.09	8.23e-02	8.27e-04	20.9	20.9	7.7	7.7	37.7	-3.2	-9.1	36.5	2.4	-4.3
290	ok	0.09	8.32e-02	8.61e-04	20.9	20.9	7.7	7.7	37.9	-3.6	-9.0	36.8	3.2	-4.5
291	ok	0.09	8.42e-02	8.96e-04	20.9	20.9	7.7	7.7	38.1	-4.0	-8.8	37.1	4.0	-4.8
292	ok	0.09	8.57e-02	9.28e-04	20.9	20.9	7.7	7.7	38.4	-4.4	-8.6	37.3	4.8	-5.0
293	ok	0.09	8.71e-02	9.58e-04	20.9	20.9	7.7	7.7	38.6	-4.8	-8.4	37.6	5.5	-5.2
294	ok	0.09	8.84e-02	9.83e-04	20.9	20.9	7.7	7.7	38.9	-5.2	-8.0	37.9	6.2	-5.4
295	ok	0.09	8.97e-02	1.00e-03	20.9	20.9	7.7	7.7	39.1	-5.5	-7.7	38.1	6.8	-5.5

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
296	ok	0.09	9.08e-02	1.02e-03	20.9	20.9	7.7	7.7	39.4	-5.8	-7.2	38.4	7.4	-5.6
297	ok	0.09	9.18e-02	1.02e-03	20.9	20.9	7.7	7.7	39.7	-6.0	-6.7	38.6	7.8	-5.7
298	ok	0.09	9.26e-02	1.03e-03	20.9	20.9	7.7	7.7	39.9	-6.2	-6.2	38.8	8.2	-5.8
299	ok	0.09	9.33e-02	1.02e-03	20.9	20.9	7.7	7.7	40.2	-6.3	-5.6	39.0	8.5	-5.9
300	ok	0.09	9.39e-02	1.01e-03	20.9	20.9	7.7	7.7	40.4	-6.4	-5.0	39.2	8.7	-6.0
301	ok	0.09	9.43e-02	1.01e-03	20.9	20.9	7.7	7.7	40.7	-6.4	-4.3	39.4	8.7	-6.0
302	ok	0.09	9.47e-02	1.02e-03	20.9	20.9	7.7	7.7	40.9	-6.3	-3.6	39.6	8.7	-6.1
303	ok	0.09	9.48e-02	1.03e-03	20.9	20.9	7.7	7.7	41.2	-6.2	-2.8	39.7	8.5	-6.1
304	ok	0.09	9.49e-02	1.04e-03	20.9	20.9	7.7	7.7	41.4	-6.1	-2.0	39.8	8.1	-6.1
305	ok	0.09	9.49e-02	1.05e-03	20.9	20.9	7.7	7.7	41.6	-5.9	-1.2	40.0	7.6	-6.1
306	ok	0.09	9.47e-02	1.05e-03	20.9	20.9	7.7	7.7	41.7	-5.6	-0.3	40.2	6.9	-6.1
307	ok	0.09	9.43e-02	1.05e-03	20.9	20.9	7.7	7.7	41.6	-5.2	0.5	40.4	6.1	-6.0
308	ok	0.09	9.38e-02	1.04e-03	20.9	20.9	7.7	7.7	41.3	-4.7	1.2	40.6	5.2	-5.8
309	ok	0.09	9.29e-02	1.00e-03	20.9	20.9	7.7	7.7	40.8	-4.1	1.7	40.9	4.2	-5.5
310	ok	0.09	9.28e-02	9.46e-04	20.9	20.9	7.7	7.7	40.0	-3.3	2.0	41.2	3.1	-5.0
311	ok	0.09	9.25e-02	8.55e-04	20.9	20.9	7.7	7.7	38.9	-2.4	2.0	41.6	2.0	-4.2
312	ok	0.09	9.17e-02	7.24e-04	20.9	20.9	7.7	7.7	37.6	-1.3	1.4	41.9	1.1	-3.1
313	ok	0.09	9.13e-02	5.55e-04	20.9	20.9	7.7	7.7	36.4	-0.3	0.3	42.1	0.6	-1.6
314	ok	0.09	9.22e-02	3.62e-04	20.9	20.9	7.7	7.7	35.6	0.4	7.2	42.3	0.3	2.5
315	ok	0.09	9.24e-02	1.89e-04	20.9	20.9	7.7	7.7	35.6	0.9	4.5	42.5	0.5	2.0
316	ok	0.09	0.1	5.20e-04	20.9	20.9	7.7	7.7	46.1	-0.7	-9.5	51.8	5.8	-4.4
317	ok	0.09	0.1	5.27e-04	20.9	20.9	7.7	7.7	46.4	-0.8	-9.4	52.2	6.6	-4.7
318	ok	0.09	0.1	5.36e-04	20.9	20.9	7.7	7.7	46.7	-0.9	-9.2	52.6	7.4	-4.9
319	ok	0.09	0.1	5.46e-04	20.9	20.9	7.7	7.7	47.0	-1.1	-9.0	52.9	8.2	-5.1
320	ok	0.09	0.1	5.54e-04	20.9	20.9	7.7	7.7	47.4	-1.3	-8.8	53.3	8.9	-5.3
321	ok	0.09	0.1	5.60e-04	20.9	20.9	7.7	7.7	47.7	-1.5	-8.4	53.7	9.6	-5.5
322	ok	0.09	0.1	5.63e-04	20.9	20.9	7.7	7.7	48.1	-1.7	-8.0	54.1	10.2	-5.7
323	ok	0.09	0.1	5.63e-04	20.9	20.9	7.7	7.7	48.4	-1.8	-7.5	54.4	10.7	-5.8
324	ok	0.09	0.1	5.60e-04	20.9	20.9	7.7	7.7	48.8	-2.0	-7.0	54.7	11.2	-5.9
325	ok	0.09	0.1	5.55e-04	20.9	20.9	7.7	7.7	49.1	-2.1	-6.4	55.0	11.5	-6.0
326	ok	0.09	0.1	5.48e-04	20.9	20.9	7.7	7.7	49.4	-2.2	-5.8	55.3	11.8	-6.1
327	ok	0.09	0.1	5.40e-04	20.9	20.9	7.7	7.7	49.8	-2.3	-5.1	55.5	12.0	-6.1
328	ok	0.09	0.1	5.33e-04	20.9	20.9	7.7	7.7	50.1	-2.3	-4.4	55.7	12.0	-6.2
329	ok	0.09	0.1	5.58e-04	20.9	20.9	7.7	7.7	50.4	-2.4	-3.7	55.9	12.0	-6.2
330	ok	0.09	0.1	5.86e-04	20.9	20.9	7.7	7.7	50.7	-2.5	-2.9	56.1	11.8	-6.3
331	ok	0.09	0.1	6.19e-04	20.9	20.9	7.7	7.7	51.0	-2.6	-2.1	56.2	11.4	-6.3
332	ok	0.09	0.1	6.56e-04	20.9	20.9	7.7	7.7	51.2	-2.6	-1.2	56.4	10.9	-6.4
333	ok	0.09	0.1	6.95e-04	20.9	20.9	7.7	7.7	51.4	-2.7	-0.3	56.6	10.2	-6.4
334	ok	0.09	0.1	7.33e-04	20.9	20.9	7.7	7.7	51.3	-2.7	0.6	56.7	9.3	-6.4
335	ok	0.09	0.1	7.65e-04	20.9	20.9	7.7	7.7	50.9	-2.6	1.4	57.0	8.2	-6.3
336	ok	0.09	0.1	7.83e-04	20.9	20.9	7.7	7.7	50.3	-2.4	2.1	57.3	7.0	-6.0
337	ok	0.09	0.1	7.77e-04	20.9	20.9	7.7	7.7	49.2	-2.1	2.6	57.6	5.6	-5.5
338	ok	0.09	0.1	7.36e-04	20.9	20.9	7.7	7.7	47.6	-1.6	2.7	58.1	4.1	-4.8
339	ok	0.09	0.1	6.51e-04	20.9	20.9	7.7	7.7	45.8	-0.8	2.3	58.5	2.7	-3.6
340	ok	0.09	0.1	5.17e-04	20.9	20.9	7.7	7.7	43.8	-3.48e-02	1.1	58.9	1.5	-2.0
341	ok	0.09	0.1	3.42e-04	20.9	20.9	7.7	7.7	42.1	0.5	7.8	59.2	0.7	2.3
342	ok	0.09	0.1	1.76e-04	20.9	20.9	7.7	7.7	41.0	0.9	4.5	59.3	0.4	2.0
343	ok	0.09	0.2	1.95e-04	20.9	20.9	7.7	7.7	54.5	2.0	-9.5	69.1	9.6	-4.6
344	ok	0.09	0.2	1.77e-04	20.9	20.9	7.7	7.7	54.8	2.1	-9.5	69.6	10.4	-4.9
345	ok	0.09	0.2	1.65e-04	20.9	20.9	7.7	7.7	55.2	2.2	-9.4	70.1	11.2	-5.1
346	ok	0.09	0.2	1.57e-04	20.9	20.9	7.7	7.7	55.6	2.2	-9.2	70.6	12.0	-5.4
347	ok	0.09	0.2	1.49e-04	20.9	20.9	7.7	7.7	56.1	2.2	-9.0	71.1	12.7	-5.6
348	ok	0.09	0.2	1.40e-04	20.9	20.9	7.7	7.7	56.6	2.2	-8.6	71.6	13.3	-5.8
349	ok	0.09	0.2	1.29e-04	20.9	20.9	7.7	7.7	57.0	2.1	-8.2	72.0	13.9	-5.9
350	ok	0.09	0.2	1.18e-04	20.9	20.9	7.7	7.7	57.5	2.1	-7.7	72.5	14.5	-6.0
351	ok	0.09	0.2	1.06e-04	20.9	20.9	7.7	7.7	57.9	2.0	-7.2	72.9	14.9	-6.1
352	ok	0.09	0.2	9.44e-05	20.9	20.9	7.7	7.7	58.3	2.0	-6.6	73.3	15.3	-6.2
353	ok	0.09	0.2	8.52e-05	20.9	20.9	7.7	7.7	58.7	1.9	-6.0	73.6	15.5	-6.3
354	ok	0.09	0.2	7.95e-05	20.9	20.9	7.7	7.7	59.1	1.8	-5.3	73.9	15.7	-6.3
355	ok	0.09	0.2	7.88e-05	20.9	20.9	7.7	7.7	59.5	1.7	-4.6	74.2	15.8	-6.4
356	ok	0.09	0.2	1.01e-04	20.9	20.9	7.7	7.7	59.9	1.5	-3.9	74.4	15.7	-6.4
357	ok	0.09	0.2	1.43e-04	20.9	20.9	7.7	7.7	60.3	1.3	-3.1	74.5	15.5	-6.4
358	ok	0.09	0.2	1.94e-04	20.9	20.9	7.7	7.7	60.6	1.0	-2.3	74.7	15.2	-6.5
359	ok	0.09	0.2	2.55e-04	20.9	20.9	7.7	7.7	60.9	0.7	-1.5	74.8	14.6	-6.6
360	ok	0.09	0.2	3.24e-04	20.9	20.9	7.7	7.7	61.1	0.3	-0.6	74.9	13.9	-6.6
361	ok	0.09	0.2	3.98e-04	20.9	20.9	7.7	7.7	61.0	-6.50e-02	0.3	75.1	12.9	-6.7
362	ok	0.09	0.2	4.73e-04	20.9	20.9	7.7	7.7	60.7	-0.4	1.2	75.3	11.7	-6.7
363	ok	0.09	0.2	5.41e-04	20.9	20.9	7.7	7.7	59.9	-0.7	2.1	75.5	10.2	-6.5
364	ok	0.09	0.2	5.92e-04	20.9	20.9	7.7	7.7	58.5	-0.8	2.7	75.9	8.5	-6.2
365	ok	0.09	0.2	6.08e-04	20.9	20.9	7.7	7.7	56.6	-0.7	3.1	76.4	6.6	-5.5
366	ok	0.09	0.2	5.74e-04	20.9	20.9	7.7	7.7	54.0	-0.4	2.8	76.9	4.6	-4.3
367	ok	0.09	0.2	4.79e-04	20.9	20.9	7.7	7.7	51.1	0.1	1.7	77.5	2.6	-2.6
368	ok	0.09	0.2	3.27e-04	20.9	20.9	7.7	7.7	48.2	0.6	8.3	78.0	1.1	1.9
369	ok	0.09	0.2	1.66e-04	20.9	20.9	7.7	7.7	45.7	0.9	4.5	78.0	0.3	2.0
370	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	62.7	4.7	-9.2	87.9	13.7	-4.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
371	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	63.2	5.1	-9.3	88.6	14.5	-5.2
372	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	63.7	5.4	-9.3	89.2	15.3	-5.5
373	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	64.3	5.6	-9.2	89.9	16.1	-5.7
374	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	64.9	5.7	-9.0	90.5	16.8	-5.9
375	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	65.4	5.8	-8.6	91.1	17.4	-6.1
376	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	66.0	5.9	-8.2	91.7	18.0	-6.3
377	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	66.5	6.0	-7.8	92.3	18.5	-6.4
378	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	67.0	6.1	-7.2	92.8	19.0	-6.4
379	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	67.5	6.1	-6.7	93.2	19.3	-6.5
380	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	67.9	6.1	-6.1	93.7	19.6	-6.5
381	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	68.4	6.0	-5.5	94.0	19.8	-6.5
382	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	68.9	5.8	-4.8	94.3	19.8	-6.6
383	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	69.3	5.6	-4.2	94.6	19.8	-6.6
384	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	69.8	5.2	-3.5	94.7	19.6	-6.6
385	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	70.2	4.8	-2.8	94.9	19.3	-6.7
386	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	70.6	4.2	-2.0	95.0	18.8	-6.8
387	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	70.8	3.6	-1.2	95.0	18.0	-6.9
388	ok	0.09	0.2	3.16e-05	20.9	20.9	7.7	7.7	70.8	2.8	-0.3	95.1	17.0	-7.0
389	ok	0.09	0.2	1.49e-04	20.9	20.9	7.7	7.7	70.5	2.0	0.6	95.2	15.7	-7.1
390	ok	0.09	0.2	2.69e-04	20.9	20.9	7.7	7.7	69.7	1.3	1.5	95.4	14.0	-7.1
391	ok	0.09	0.2	3.77e-04	20.9	20.9	7.7	7.7	68.1	0.6	2.4	95.7	11.9	-6.9
392	ok	0.09	0.2	4.57e-04	20.9	20.9	7.7	7.7	65.8	0.2	3.0	96.1	9.5	-6.3
393	ok	0.09	0.2	4.86e-04	20.9	20.9	7.7	7.7	62.5	7.41e-02	3.1	96.8	6.8	-5.3
394	ok	0.09	0.2	4.41e-04	20.9	20.9	7.7	7.7	58.5	0.3	2.2	97.6	4.0	-3.6
395	ok	0.09	0.2	3.15e-04	20.9	20.9	7.7	7.7	54.0	0.7	-0.2	98.3	1.4	-1.4
396	ok	0.09	0.2	1.59e-04	20.9	20.9	7.7	7.7	49.9	0.9	4.6	98.1	0.2	1.9
397	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	70.9	7.6	-8.7	108.1	18.1	-5.4
398	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	71.4	8.2	-8.9	108.9	18.9	-5.7
399	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	72.1	8.7	-9.0	109.7	19.7	-6.0
400	ok	0.09	0.2	0.0	20.9	20.9	7.7	7.7	72.8	9.0	-8.9	110.5	20.5	-6.2
401	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	73.6	9.3	-8.8	111.2	21.2	-6.4
402	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	74.3	9.6	-8.5	112.0	21.8	-6.6
403	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	75.0	9.8	-8.1	112.7	22.4	-6.7
404	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	75.6	10.0	-7.7	113.4	22.9	-6.8
405	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	76.1	10.2	-7.2	114.1	23.3	-6.8
406	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	76.6	10.3	-6.7	114.6	23.6	-6.8
407	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	77.1	10.3	-6.1	115.1	23.9	-6.8
408	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	77.6	10.3	-5.6	115.5	24.1	-6.8
409	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	78.1	10.1	-5.1	115.9	24.1	-6.8
410	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	78.7	9.8	-4.5	116.2	24.1	-6.8
411	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	79.2	9.4	-4.0	116.4	24.0	-6.8
412	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	79.7	8.9	-3.4	116.5	23.7	-6.8
413	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	80.1	8.2	-2.8	116.5	23.2	-6.9
414	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	80.5	7.3	-2.1	116.5	22.5	-7.0
415	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	80.6	6.2	-1.3	116.5	21.5	-7.2
416	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	80.3	5.0	-0.5	116.4	20.1	-7.4
417	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	79.6	3.7	0.5	116.4	18.2	-7.5
418	ok	0.09	0.3	1.11e-04	20.9	20.9	7.7	7.7	78.0	2.5	1.5	116.6	15.8	-7.6
419	ok	0.09	0.3	2.65e-04	20.9	20.9	7.7	7.7	75.4	1.4	2.4	117.0	12.9	-7.3
420	ok	0.09	0.3	3.71e-04	20.9	20.9	7.7	7.7	71.4	0.7	2.9	117.6	9.4	-6.5
421	ok	0.09	0.3	3.93e-04	20.9	20.9	7.7	7.7	66.1	0.5	2.4	118.5	5.6	-5.0
422	ok	0.09	0.3	3.05e-04	20.9	20.9	7.7	7.7	59.7	0.7	0.2	119.5	1.9	-2.7
423	ok	0.09	0.3	1.55e-04	20.9	20.9	7.7	7.7	53.5	0.9	4.6	119.0	0.1	1.7
424	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	78.9	10.7	-7.9	129.1	22.8	-5.9
425	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	79.6	11.5	-8.3	130.1	23.6	-6.3
426	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	80.4	12.1	-8.5	131.0	24.3	-6.6
427	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	81.3	12.6	-8.5	132.0	25.0	-6.8
428	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	82.2	13.1	-8.4	133.0	25.7	-7.0
429	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	83.1	13.5	-8.2	133.9	26.3	-7.2
430	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	83.9	13.9	-7.8	134.8	26.9	-7.3
431	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	84.6	14.2	-7.4	135.7	27.3	-7.3
432	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	85.2	14.4	-7.0	136.4	27.7	-7.3
433	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	85.7	14.6	-6.5	137.1	28.1	-7.3
434	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	86.3	14.8	-6.1	137.7	28.3	-7.2
435	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	86.8	14.8	-5.7	138.2	28.5	-7.1
436	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	87.3	14.6	-5.3	138.6	28.6	-7.1
437	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	87.9	14.4	-4.9	138.9	28.6	-7.0
438	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	88.4	14.0	-4.5	139.1	28.5	-6.9
439	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	89.0	13.4	-4.1	139.2	28.3	-6.9
440	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	89.5	12.6	-3.7	139.2	27.8	-7.0
441	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	89.9	11.5	-3.2	139.1	27.2	-7.1
442	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	90.2	10.2	-2.6	138.9	26.2	-7.3
443	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	90.1	8.7	-2.0	138.7	24.8	-7.6
444	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	89.5	7.0	-1.1	138.5	22.9	-7.9
445	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	88.0	5.1	-1.00e-01	138.4	20.2	-8.2

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
446	ok	0.09	0.3	1.43e-06	20.9	20.9	7.7	7.7	85.3	3.2	1.0	138.5	16.8	-8.2
447	ok	0.09	0.3	2.01e-04	20.9	20.9	7.7	7.7	80.8	1.7	2.0	139.0	12.5	-7.9
448	ok	0.09	0.3	3.19e-04	20.9	20.9	7.7	7.7	74.2	0.8	2.2	140.0	7.5	-6.7
449	ok	0.09	0.3	2.95e-04	20.9	20.9	7.7	7.7	65.5	0.8	0.6	141.0	2.5	-4.3
450	ok	0.09	0.3	1.53e-04	20.9	20.9	7.7	7.7	56.5	0.9	4.7	140.3	1.33e-02	1.4
451	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	86.7	13.9	-6.9	150.6	27.6	-6.7
452	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	87.6	14.8	-7.5	151.8	28.3	-7.1
453	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	88.6	15.6	-7.8	153.0	29.0	-7.4
454	ok	0.09	0.3	0.0	20.9	20.9	7.7	7.7	89.8	16.3	-7.9	154.2	29.7	-7.7
455	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	90.9	16.9	-7.9	155.4	30.4	-7.8
456	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	91.9	17.5	-7.6	156.6	31.0	-7.9
457	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	92.8	18.1	-7.4	157.6	31.5	-8.0
458	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	93.5	18.5	-7.0	158.6	31.9	-8.0
459	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	94.2	18.9	-6.7	159.5	32.3	-7.9
460	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	94.7	19.2	-6.3	160.3	32.6	-7.8
461	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	95.3	19.4	-6.0	161.0	32.8	-7.7
462	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	95.8	19.5	-5.7	161.5	33.0	-7.5
463	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	96.3	19.4	-5.4	162.0	33.1	-7.4
464	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	96.9	19.2	-5.2	162.4	33.2	-7.2
465	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	97.5	18.9	-5.0	162.6	33.1	-7.1
466	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	98.1	18.3	-4.8	162.8	32.9	-7.0
467	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	98.6	17.5	-4.6	162.8	32.6	-7.0
468	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	99.2	16.5	-4.4	162.6	32.0	-7.1
469	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	99.5	15.1	-4.1	162.3	31.2	-7.2
470	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	99.6	13.5	-3.8	161.9	29.9	-7.5
471	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	99.3	11.4	-3.2	161.4	28.0	-8.0
472	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	98.1	9.0	-2.4	160.9	25.2	-8.5
473	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	95.6	6.2	-1.3	160.6	21.4	-9.1
474	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	91.0	3.5	0.2	160.6	16.3	-9.3
475	ok	0.09	0.4	1.79e-04	20.9	20.9	7.7	7.7	83.2	1.5	1.4	161.3	9.9	-8.7
476	ok	0.09	0.4	2.72e-04	20.9	20.9	7.7	7.7	71.8	0.8	0.7	162.3	3.3	-6.4
477	ok	0.09	0.4	1.55e-04	20.9	20.9	7.7	7.7	58.7	0.9	4.9	161.2	-0.1	1.1
478	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	94.4	17.1	-5.8	172.2	32.4	-7.7
479	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	95.5	18.2	-6.4	173.7	33.1	-8.2
480	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	96.8	19.2	-6.9	175.2	33.8	-8.5
481	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	98.1	20.2	-7.1	176.8	34.5	-8.7
482	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	99.5	21.0	-7.1	178.2	35.1	-8.9
483	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	100.6	21.8	-6.9	179.6	35.6	-8.9
484	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	101.6	22.6	-6.7	180.8	36.1	-8.9
485	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	102.4	23.2	-6.5	182.0	36.5	-8.8
486	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	103.1	23.7	-6.2	183.0	36.8	-8.7
487	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	103.7	24.1	-6.0	183.9	37.1	-8.5
488	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	104.2	24.4	-5.8	184.6	37.4	-8.3
489	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	104.7	24.5	-5.6	185.3	37.5	-8.0
490	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	105.2	24.5	-5.5	185.8	37.7	-7.8
491	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	105.8	24.4	-5.4	186.3	37.7	-7.6
492	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	106.4	24.1	-5.4	186.6	37.7	-7.4
493	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	106.9	23.7	-5.4	186.8	37.6	-7.2
494	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	107.5	23.1	-5.4	186.8	37.3	-7.1
495	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	108.1	22.2	-5.5	186.7	36.9	-7.0
496	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	108.5	21.0	-5.6	186.3	36.2	-7.1
497	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	108.8	19.5	-5.6	185.8	35.1	-7.3
498	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	108.6	17.5	-5.6	185.0	33.3	-7.8
499	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	107.8	14.8	-5.3	184.0	30.7	-8.5
500	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	105.9	11.3	-4.5	182.1	26.7	-9.1
501	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	101.9	7.3	-3.2	181.3	21.0	-10.1
502	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	93.9	3.4	-1.0	181.1	13.2	-10.4
503	ok	0.09	0.4	1.91e-04	20.9	20.9	7.7	7.7	79.4	1.2	0.4	181.4	4.2	-8.4
504	ok	0.09	0.4	1.67e-04	20.9	20.9	7.7	7.7	60.6	0.7	5.2	179.5	-8.85e-02	0.8
505	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	101.9	19.8	-4.9	193.3	37.3	-8.4
506	ok	0.09	0.4	0.0	20.9	20.9	7.7	7.7	103.2	21.3	-5.6	195.2	37.9	-9.0
507	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	104.8	22.6	-6.2	197.2	38.5	-9.3
508	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	106.4	23.8	-6.5	199.1	39.2	-9.5
509	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	108.0	24.9	-6.5	200.9	39.7	-9.6
510	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	109.3	25.9	-6.5	202.6	40.2	-9.5
511	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	110.3	26.8	-6.4	204.1	40.6	-9.4
512	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	111.2	27.5	-6.2	205.4	41.0	-9.2
513	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	111.9	28.1	-6.0	206.5	41.3	-9.0
514	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	112.5	28.5	-5.9	207.5	41.6	-8.7
515	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	113.0	28.9	-5.8	208.3	41.8	-8.4
516	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	113.5	29.1	-5.7	209.1	41.9	-8.1
517	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	114.0	29.2	-5.7	209.7	42.1	-7.8
518	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	114.5	29.2	-5.8	210.2	42.2	-7.5
519	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	115.1	29.1	-5.9	210.7	42.2	-7.2
520	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	115.6	28.8	-6.0	211.0	42.2	-6.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
521	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	116.2	28.5	-6.2	211.2	42.0	-6.7
522	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	116.7	27.9	-6.5	211.2	41.7	-6.5
523	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	117.1	27.3	-6.8	210.9	41.2	-6.4
524	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	117.4	26.3	-7.3	210.4	40.3	-6.5
525	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	117.3	25.0	-7.7	209.4	38.9	-6.8
526	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	116.8	23.0	-8.2	208.0	36.6	-7.5
527	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	115.4	20.1	-8.6	206.1	33.1	-8.6
528	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	112.4	15.6	-8.5	203.8	27.4	-10.2
529	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	106.8	9.2	-7.5	201.8	18.5	-12.1
530	ok	0.09	0.4	1.59e-05	20.9	20.9	7.7	7.7	90.3	3.8	-2.5	200.3	6.3	-11.2
531	ok	0.09	0.4	2.08e-04	20.9	20.9	7.7	7.7	61.1	-1.1	6.5	194.2	-1.9	2.58e-02
532	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	109.5	22.0	-6.5	207.4	41.0	-10.3
533	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	110.9	24.1	-7.3	209.9	41.4	-10.9
534	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	112.7	26.2	-8.0	212.6	42.0	-11.3
535	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	114.7	28.0	-8.5	215.1	42.5	-11.4
536	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	116.4	29.5	-8.8	217.3	43.0	-11.4
537	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	117.8	30.7	-8.9	219.3	43.4	-11.2
538	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	119.0	31.7	-9.0	220.9	43.8	-10.9
539	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	119.9	32.5	-9.0	222.3	44.1	-10.6
540	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	120.6	33.1	-9.0	223.5	44.3	-10.3
541	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	121.2	33.6	-9.0	224.6	44.6	-9.9
542	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	121.7	33.9	-9.0	225.5	44.8	-9.5
543	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	122.2	34.2	-9.0	226.3	45.0	-9.2
544	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	122.7	34.4	-9.1	227.0	45.1	-8.8
545	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	123.2	34.5	-9.3	227.7	45.2	-8.4
546	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	123.7	34.5	-9.4	228.2	45.3	-8.0
547	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	124.2	34.5	-9.7	228.7	45.3	-7.7
548	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	124.8	34.5	-10.0	229.1	45.3	-7.3
549	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	125.2	34.4	-10.3	229.4	45.1	-7.0
550	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	125.6	34.4	-10.8	229.4	44.8	-6.7
551	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	125.8	34.3	-11.4	229.1	44.2	-6.5
552	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	125.6	34.3	-12.2	228.4	43.2	-6.5
553	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	124.9	34.1	-13.2	226.9	41.5	-6.8
554	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	123.4	33.4	-14.7	224.3	38.8	-7.6
555	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	120.8	31.4	-16.8	220.2	34.2	-9.2
556	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	117.3	26.4	-19.5	214.6	26.6	-12.4
557	ok	0.09	0.5	0.0	20.9	20.9	7.7	7.7	126.6	14.9	-28.3	215.2	12.6	-21.0
558	ok	0.09	0.4	3.40e-03	20.9	20.9	7.7	7.7	52.0	-22.9	22.9	186.2	-13.7	7.3
559	ok	0.09	0.5	2.67e-03	20.9	20.9	7.7	7.7	108.8	21.6	-0.3	212.5	42.6	-8.0
560	ok	0.09	0.5	2.87e-03	20.9	20.9	7.7	7.7	109.9	25.6	-1.3	215.8	43.4	-8.8
561	ok	0.09	0.5	3.01e-03	20.9	20.9	7.7	7.7	111.9	29.1	-2.4	219.2	44.0	-9.3
562	ok	0.09	0.5	3.07e-03	20.9	20.9	7.7	7.7	114.1	31.8	-3.4	222.3	44.5	-9.6
563	ok	0.09	0.5	3.06e-03	20.9	20.9	7.7	7.7	116.0	33.8	-4.2	225.1	44.9	-9.8
564	ok	0.09	0.5	3.02e-03	20.9	20.9	7.7	7.7	117.6	35.1	-4.7	227.3	45.2	-9.7
565	ok	0.09	0.5	2.94e-03	20.9	20.9	7.7	7.7	118.9	36.1	-5.0	229.2	45.4	-9.5
566	ok	0.09	0.5	2.87e-03	20.9	20.9	7.7	7.7	119.8	36.8	-5.2	230.7	45.6	-9.3
567	ok	0.09	0.5	2.80e-03	20.9	20.9	7.7	7.7	120.6	37.3	-5.3	232.0	45.8	-8.9
568	ok	0.09	0.5	2.74e-03	20.9	20.9	7.7	7.7	121.2	37.6	-5.4	233.1	45.9	-8.6
569	ok	0.09	0.5	2.69e-03	20.9	20.9	7.7	7.7	121.7	37.9	-5.5	234.0	46.1	-8.2
570	ok	0.09	0.5	2.66e-03	20.9	20.9	7.7	7.7	122.1	38.1	-5.6	234.9	46.3	-7.8
571	ok	0.09	0.5	2.63e-03	20.9	20.9	7.7	7.7	122.6	38.3	-5.7	235.7	46.4	-7.4
572	ok	0.09	0.5	2.62e-03	20.9	20.9	7.7	7.7	123.1	38.7	-5.8	236.4	46.5	-7.0
573	ok	0.09	0.5	2.62e-03	20.9	20.9	7.7	7.7	123.5	38.9	-5.9	237.1	46.6	-6.6
574	ok	0.09	0.5	2.63e-03	20.9	20.9	7.7	7.7	124.0	39.1	-6.1	237.8	46.7	-6.2
575	ok	0.09	0.5	2.66e-03	20.9	20.9	7.7	7.7	124.5	39.4	-6.4	238.5	46.7	-5.8
576	ok	0.09	0.5	2.71e-03	20.9	20.9	7.7	7.7	124.9	39.9	-6.6	239.1	46.6	-5.3
577	ok	0.09	0.5	2.79e-03	20.9	20.9	7.7	7.7	125.2	40.5	-6.9	239.6	46.5	-4.9
578	ok	0.09	0.5	2.91e-03	20.9	20.9	7.7	7.7	125.2	41.5	-7.3	239.8	46.2	-4.5
579	ok	0.09	0.5	3.10e-03	20.9	20.9	7.7	7.7	124.9	42.7	-7.9	239.5	45.7	-4.1
580	ok	0.09	0.5	3.38e-03	20.9	20.9	7.7	7.7	123.8	45.0	-8.6	238.3	45.0	-4.1
581	ok	0.09	0.5	3.85e-03	20.9	20.9	7.7	7.7	121.5	48.3	-10.0	235.4	43.8	-4.6
582	ok	0.09	0.5	4.45e-03	20.9	20.9	7.7	7.7	117.5	52.6	-12.7	229.4	42.0	-6.3
583	ok	0.09	0.5	5.02e-03	20.9	20.9	7.7	7.7	110.8	57.1	-17.9	217.8	39.3	-10.0
584	ok	0.09	0.5	6.59e-03	20.9	20.9	7.7	7.7	101.9	58.1	-28.7	197.8	35.1	-17.5
585	ok	0.09	1.39e-02	5.50e-04	20.9	20.9	7.7	7.7	-4.5	13.9	-3.9	-1.7	2.0	-2.0
586	ok	0.09	2.14e-02	6.40e-04	20.9	20.9	7.7	7.7	-4.6	5.7	-4.1	-1.6	3.3	-2.6
587	ok	0.09	4.29e-02	3.50e-03	20.9	20.9	7.7	7.7	-16.5	10.2	-26.4	-18.0	-1.3	-3.6
588	ok	0.09	3.07e-02	2.60e-03	20.9	20.9	7.7	7.7	-18.9	-20.7	3.1	-12.9	0.2	-2.8
589	ok	0.09	4.80e-02	3.70e-03	20.9	20.9	7.7	7.7	-28.0	15.1	-19.1	-20.1	-4.3	-3.2
590	ok	0.09	4.96e-02	3.42e-03	20.9	20.9	7.7	7.7	-29.9	12.4	-11.4	-20.5	-5.1	-3.4
591	ok	0.09	4.84e-02	3.22e-03	20.9	20.9	7.7	7.7	-27.7	8.0	-6.4	-19.6	-4.5	-3.7
592	ok	0.09	4.62e-02	3.15e-03	20.9	20.9	7.7	7.7	-24.9	3.7	-4.0	-18.3	-3.4	-4.2
593	ok	0.09	4.45e-02	3.05e-03	20.9	20.9	7.7	7.7	-22.9	0.4	-3.7	-16.8	-2.1	-5.0
594	ok	0.09	1.87e-02	1.66e-03	20.9	20.9	7.7	7.7	-10.2	1.3	-9.6	-6.5	-0.8	-2.3
595	ok	0.09	1.74e-02	1.60e-03	20.9	20.9	7.7	7.7	-14.2	-3.4	-3.6	-6.6	-0.6	-1.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
596	ok	0.09	2.13e-02	1.96e-03	20.9	20.9	7.7	7.7	-13.5	8.3	-11.7	-7.1	-1.5	-2.5
597	ok	0.09	2.31e-02	1.87e-03	20.9	20.9	7.7	7.7	-15.3	11.1	-8.7	-7.3	-1.9	-2.8
598	ok	0.09	2.34e-02	1.67e-03	20.9	20.9	7.7	7.7	-15.0	11.0	-5.3	-7.2	-1.4	-3.3
599	ok	0.09	2.30e-02	1.64e-03	20.9	20.9	7.7	7.7	-14.3	9.4	-3.2	-6.9	-0.3	-3.8
600	ok	0.09	2.23e-02	1.65e-03	20.9	20.9	7.7	7.7	-13.7	7.3	-2.1	-6.6	0.9	-4.4
601	ok	0.09	8.15e-03	7.10e-04	20.9	20.9	7.7	7.7	-4.8	0.8	-3.8	-1.5	-0.2	-1.7
602	ok	0.09	9.09e-03	6.18e-04	20.9	20.9	7.7	7.7	-4.3	7.1	-4.6	-1.4	-0.6	-1.7
603	ok	0.09	9.79e-03	5.43e-04	20.9	20.9	7.7	7.7	-4.1	13.8	-4.6	-1.4	-0.8	-1.8
604	ok	0.09	8.71e-03	5.26e-04	20.9	20.9	7.7	7.7	-4.2	16.7	-4.3	-1.5	-0.3	-1.9
605	ok	0.09	8.74e-03	5.37e-04	20.9	20.9	7.7	7.7	-4.3	16.6	-4.2	-1.6	0.9	-2.0
606	ok	0.09	4.46e-02	2.95e-03	20.9	20.9	7.7	7.7	-21.6	-1.8	-4.3	-15.7	-1.3	-6.0
607	ok	0.09	4.66e-02	2.79e-03	20.9	20.9	7.7	7.7	-20.9	-3.0	-5.7	-15.1	-0.8	-7.2
608	ok	0.09	5.04e-02	2.60e-03	20.9	20.9	7.7	7.7	-20.3	-3.2	-7.6	-14.9	-0.8	-8.6
609	ok	0.09	5.58e-02	2.56e-03	20.9	20.9	7.7	7.7	-19.9	-2.6	-9.6	-15.3	-1.1	-10.0
610	ok	0.09	2.41e-02	1.63e-03	20.9	20.9	7.7	7.7	-13.4	5.4	-2.1	-6.2	1.9	-5.1
611	ok	0.09	2.91e-02	1.60e-03	20.9	20.9	7.7	7.7	-13.2	3.8	-2.6	-6.1	2.4	-6.0
612	ok	0.09	3.22e-02	1.55e-03	20.9	20.9	7.7	7.7	-13.0	2.9	-3.4	-6.0	2.5	-6.9
613	ok	0.09	3.51e-02	1.49e-03	20.9	20.9	7.7	7.7	-12.9	2.8	-4.8	-6.1	2.2	-7.9
614	ok	0.09	1.86e-02	5.65e-04	20.9	20.9	7.7	7.7	-4.5	11.2	-3.8	-1.7	2.9	-2.1
615	ok	0.09	2.12e-02	5.86e-04	20.9	20.9	7.7	7.7	-4.6	8.6	-3.8	-1.7	3.5	-2.2
616	ok	0.09	2.21e-02	6.09e-04	20.9	20.9	7.7	7.7	-4.6	6.6	-3.8	-1.6	3.6	-2.4
617	ok	0.09	6.21e-02	2.75e-03	20.9	20.9	7.7	7.7	-20.3	-0.9	-12.0	-16.4	-1.7	-11.2
618	ok	0.09	6.81e-02	2.92e-03	20.9	20.9	7.7	7.7	-21.1	1.4	-13.6	-17.7	-2.5	-12.2
619	ok	0.09	7.30e-02	3.02e-03	20.9	20.9	7.7	7.7	-22.2	3.8	-14.5	-19.0	-3.3	-12.8
620	ok	0.09	7.66e-02	3.07e-03	20.9	20.9	7.7	7.7	-23.1	6.0	-14.5	-20.2	-4.1	-13.0
621	ok	0.09	7.89e-02	3.06e-03	20.9	20.9	7.7	7.7	-23.7	7.8	-14.1	-21.0	-4.7	-13.0
622	ok	0.09	7.99e-02	3.02e-03	20.9	20.9	7.7	7.7	-24.0	9.3	-13.4	-21.6	-5.2	-12.8
623	ok	0.09	8.00e-02	2.96e-03	20.9	20.9	7.7	7.7	-24.1	10.5	-12.7	-22.0	-5.6	-12.5
624	ok	0.09	7.94e-02	2.91e-03	20.9	20.9	7.7	7.7	-24.1	11.4	-12.0	-22.2	-5.8	-12.1
625	ok	0.09	7.82e-02	2.86e-03	20.9	20.9	7.7	7.7	-24.0	12.2	-11.5	-22.3	-5.9	-11.6
626	ok	0.09	7.68e-02	2.82e-03	20.9	20.9	7.7	7.7	-23.9	12.8	-11.1	-22.3	-5.9	-11.1
627	ok	0.09	7.54e-02	2.79e-03	20.9	20.9	7.7	7.7	-23.8	13.3	-10.8	-22.3	-5.9	-10.7
628	ok	0.09	7.39e-02	2.77e-03	20.9	20.9	7.7	7.7	-23.7	13.7	-10.7	-22.2	-5.9	-10.2
629	ok	0.09	7.26e-02	2.77e-03	20.9	20.9	7.7	7.7	-23.6	14.0	-10.7	-22.2	-5.9	-9.8
630	ok	0.09	7.12e-02	2.77e-03	20.9	20.9	7.7	7.7	-23.6	14.4	-10.8	-22.2	-5.9	-9.3
631	ok	0.09	7.00e-02	2.77e-03	20.9	20.9	7.7	7.7	-23.6	14.8	-11.0	-22.2	-5.9	-8.9
632	ok	0.09	6.90e-02	2.79e-03	20.9	20.9	7.7	7.7	-23.6	15.2	-11.3	-22.3	-6.0	-8.5
633	ok	0.09	6.80e-02	2.81e-03	20.9	20.9	7.7	7.7	-23.7	15.6	-11.6	-22.4	-6.2	-8.0
634	ok	0.09	6.72e-02	2.84e-03	20.9	20.9	7.7	7.7	-23.9	16.2	-11.8	-22.7	-6.5	-7.5
635	ok	0.09	6.66e-02	2.89e-03	20.9	20.9	7.7	7.7	-24.4	16.7	-11.8	-23.0	-6.9	-6.9
636	ok	0.09	6.61e-02	2.95e-03	20.9	20.9	7.7	7.7	-25.3	17.4	-11.4	-23.5	-7.4	-6.2
637	ok	0.09	6.55e-02	3.03e-03	20.9	20.9	7.7	7.7	-26.8	18.2	-10.4	-24.0	-7.9	-5.5
638	ok	0.09	6.48e-02	3.21e-03	20.9	20.9	7.7	7.7	-29.0	19.2	-8.2	-24.6	-8.4	-4.8
639	ok	0.09	6.36e-02	3.62e-03	20.9	20.9	7.7	7.7	-31.5	20.6	-4.5	-25.0	-8.6	-4.0
640	ok	0.09	6.08e-02	4.07e-03	20.9	20.9	7.7	7.7	-33.0	22.2	1.2	-24.9	-8.1	-3.5
641	ok	0.09	5.48e-02	4.31e-03	20.9	20.9	7.7	7.7	-28.6	22.5	9.4	-23.8	-6.0	-3.0
642	ok	0.09	4.68e-02	3.95e-03	20.9	20.9	7.7	7.7	-15.0	13.6	33.2	-21.1	-1.6	2.4
643	ok	0.09	3.63e-02	2.67e-03	20.9	20.9	7.7	7.7	-17.2	-21.9	-2.9	-15.8	0.3	2.8
644	ok	0.09	3.59e-02	1.57e-03	20.9	20.9	7.7	7.7	-12.9	3.5	-6.1	-6.4	1.5	-8.8
645	ok	0.09	3.91e-02	1.65e-03	20.9	20.9	7.7	7.7	-13.2	5.0	-7.1	-6.8	0.6	-9.6
646	ok	0.09	4.28e-02	1.69e-03	20.9	20.9	7.7	7.7	-13.5	7.0	-7.8	-7.2	-0.4	-10.1
647	ok	0.09	4.69e-02	1.71e-03	20.9	20.9	7.7	7.7	-13.8	9.3	-8.0	-7.5	-1.4	-10.4
648	ok	0.09	4.97e-02	1.70e-03	20.9	20.9	7.7	7.7	-14.0	11.4	-7.9	-7.8	-2.2	-10.5
649	ok	0.09	5.14e-02	1.67e-03	20.9	20.9	7.7	7.7	-14.1	13.4	-7.5	-8.1	-2.8	-10.4
650	ok	0.09	5.21e-02	1.64e-03	20.9	20.9	7.7	7.7	-14.2	15.0	-7.1	-8.2	-3.2	-10.2
651	ok	0.09	5.20e-02	1.62e-03	20.9	20.9	7.7	7.7	-14.2	16.3	-6.7	-8.3	-3.5	-9.9
652	ok	0.09	5.13e-02	1.60e-03	20.9	20.9	7.7	7.7	-14.2	17.4	-6.3	-8.4	-3.6	-9.6
653	ok	0.09	5.03e-02	1.59e-03	20.9	20.9	7.7	7.7	-14.2	18.2	-6.1	-8.4	-3.6	-9.2
654	ok	0.09	4.90e-02	1.58e-03	20.9	20.9	7.7	7.7	-14.2	18.9	-6.0	-8.4	-3.6	-8.8
655	ok	0.09	4.76e-02	1.58e-03	20.9	20.9	7.7	7.7	-14.2	19.5	-5.9	-8.4	-3.6	-8.4
656	ok	0.09	4.63e-02	1.58e-03	20.9	20.9	7.7	7.7	-14.2	20.1	-5.9	-8.4	-3.6	-8.0
657	ok	0.09	4.50e-02	1.58e-03	20.9	20.9	7.7	7.7	-14.2	20.7	-6.0	-8.4	-3.6	-7.7
658	ok	0.09	4.39e-02	1.59e-03	20.9	20.9	7.7	7.7	-14.2	21.3	-6.2	-8.4	-3.7	-7.3
659	ok	0.09	4.30e-02	1.60e-03	20.9	20.9	7.7	7.7	-14.2	22.0	-6.4	-8.5	-3.8	-6.9
660	ok	0.09	4.23e-02	1.61e-03	20.9	20.9	7.7	7.7	-14.3	22.8	-6.6	-8.5	-4.0	-6.4
661	ok	0.09	4.17e-02	1.62e-03	20.9	20.9	7.7	7.7	-14.4	23.7	-6.8	-8.6	-4.3	-6.0
662	ok	0.09	4.13e-02	1.63e-03	20.9	20.9	7.7	7.7	-14.5	24.6	-6.8	-8.7	-4.8	-5.4
663	ok	0.09	4.09e-02	1.65e-03	20.9	20.9	7.7	7.7	-14.8	25.4	-6.5	-8.9	-5.3	-4.8
664	ok	0.09	4.12e-02	1.67e-03	20.9	20.9	7.7	7.7	-15.3	25.8	-5.6	-9.0	-5.8	-4.2
665	ok	0.09	4.13e-02	1.76e-03	20.9	20.9	7.7	7.7	-16.1	25.5	-3.7	-9.1	-6.1	-3.6
666	ok	0.09	3.96e-02	1.96e-03	20.9	20.9	7.7	7.7	-16.9	24.0	-0.6	-9.2	-6.0	-3.0
667	ok	0.09	3.44e-02	2.20e-03	20.9	20.9	7.7	7.7	-16.9	20.6	3.4	-9.0	-5.2	-2.6
668	ok	0.09	2.60e-02	2.28e-03	20.9	20.9	7.7	7.7	-13.3	14.0	6.6	-8.6	-3.3	-2.2
669	ok	0.09	1.95e-02	1.88e-03	20.9	20.9	7.7	7.7	-8.0	5.0	3.5	-8.0	-1.4	-1.7
670	ok	0.09	1.99e-02	1.82e-03	20.9	20.9	7.7	7.7	-16.3	-3.6	3.8	-7.9	-0.5	1.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
671	ok	0.09	1.85e-02	6.54e-04	20.9	20.9	7.7	7.7	-4.6	6.0	-4.3	-1.6	2.6	-2.8
672	ok	0.09	1.50e-02	6.41e-04	20.9	20.9	7.7	7.7	-4.6	7.4	-4.3	-1.6	1.7	-2.9
673	ok	0.09	1.10e-02	6.17e-04	20.9	20.9	7.7	7.7	-4.6	9.8	-4.4	-1.6	0.8	-3.0
674	ok	0.09	1.23e-02	5.95e-04	20.9	20.9	7.7	7.7	-4.6	12.7	-4.4	-1.5	-0.1	-3.1
675	ok	0.09	1.46e-02	5.78e-04	20.9	20.9	7.7	7.7	-4.6	15.6	-4.4	-1.5	-0.9	-3.1
676	ok	0.09	1.63e-02	5.67e-04	20.9	20.9	7.7	7.7	-4.6	18.1	-4.4	-1.5	-1.5	-3.1
677	ok	0.09	1.74e-02	5.60e-04	20.9	20.9	7.7	7.7	-4.6	20.3	-4.4	-1.4	-1.9	-3.0
678	ok	0.09	1.82e-02	5.57e-04	20.9	20.9	7.7	7.7	-4.6	21.9	-4.4	-1.4	-2.1	-3.0
679	ok	0.09	1.88e-02	5.56e-04	20.9	20.9	7.7	7.7	-4.6	23.2	-4.4	-1.4	-2.3	-2.9
680	ok	0.09	1.89e-02	5.57e-04	20.9	20.9	7.7	7.7	-4.7	24.1	-4.4	-1.5	-2.3	-2.9
681	ok	0.09	1.88e-02	5.58e-04	20.9	20.9	7.7	7.7	-4.7	24.8	-4.4	-1.5	-2.3	-2.8
682	ok	0.09	1.86e-02	5.59e-04	20.9	20.9	7.7	7.7	-4.7	25.4	-4.5	-1.5	-2.3	-2.8
683	ok	0.09	1.84e-02	5.60e-04	20.9	20.9	7.7	7.7	-4.7	26.1	-4.5	-1.5	-2.3	-2.7
684	ok	0.09	1.83e-02	5.62e-04	20.9	20.9	7.7	7.7	-4.8	26.7	-4.5	-1.5	-2.3	-2.7
685	ok	0.09	1.85e-02	5.63e-04	20.9	20.9	7.7	7.7	-4.8	27.6	-4.5	-1.5	-2.4	-2.6
686	ok	0.09	1.90e-02	5.63e-04	20.9	20.9	7.7	7.7	-4.8	28.6	-4.6	-1.5	-2.5	-2.6
687	ok	0.09	1.99e-02	5.63e-04	20.9	20.9	7.7	7.7	-4.8	29.8	-4.6	-1.5	-2.7	-2.5
688	ok	0.09	2.13e-02	5.62e-04	20.9	20.9	7.7	7.7	-4.8	31.3	-4.6	-1.5	-3.0	-2.4
689	ok	0.09	2.31e-02	5.59e-04	20.9	20.9	7.7	7.7	-4.8	32.9	-4.6	-1.5	-3.4	-2.4
690	ok	0.09	2.53e-02	5.55e-04	20.9	20.9	7.7	7.7	-4.8	34.6	-4.7	-1.5	-3.9	-2.3
691	ok	0.09	2.73e-02	5.47e-04	20.9	20.9	7.7	7.7	-4.7	35.6	-4.7	-1.5	-4.4	-2.2
692	ok	0.09	2.84e-02	5.38e-04	20.9	20.9	7.7	7.7	-4.6	35.0	-4.6	-1.4	-4.7	-2.1
693	ok	0.09	2.73e-02	5.39e-04	20.9	20.9	7.7	7.7	-4.6	31.4	-4.4	-1.4	-4.5	-2.0
694	ok	0.09	2.27e-02	5.66e-04	20.9	20.9	7.7	7.7	-4.5	23.2	-4.0	-1.4	-3.7	-1.9
695	ok	0.09	1.49e-02	6.53e-04	20.9	20.9	7.7	7.7	-4.8	10.9	-3.9	-1.5	-2.1	-1.8
696	ok	0.09	9.99e-03	8.33e-04	20.9	20.9	7.7	7.7	-4.7	1.9	-5.5	-1.6	-0.5	-1.9
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**
									-33.04	-25.08	-49.70	-25.00	-13.73	-29.19
		0.09	0.55	6.59e-03	20.94	20.94	7.70	7.70	136.21	58.10	42.24	239.77	46.68	25.03

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		kN/ m2					kN/ m	kN/ m
1	ok	0.14						
2	ok	0.15						
3	ok	1.03						
4	ok	1.48						
5	ok	0.14						
6	ok	0.14						
19	ok	0.76						
20	ok	0.70						
21	ok	0.14						
22	ok	0.37						
23	ok	0.37						
24	ok	0.10						
25	ok	0.26						
26	ok	0.10						
27	ok	0.25						
28	ok	0.11						
29	ok	0.26						
30	ok	0.13						
31	ok	0.27						
32	ok	0.14						
33	ok	0.27						
34	ok	0.59						
35	ok	0.59						
36	ok	0.42						
37	ok	0.40						
38	ok	0.41						
39	ok	0.42						
40	ok	0.42						
41	ok	0.78						
42	ok	0.78						
43	ok	0.56						
44	ok	0.53						
45	ok	0.54						
46	ok	0.55						
47	ok	0.56						
48	ok	0.93						
49	ok	0.93						
50	ok	0.68						
51	ok	0.64						
52	ok	0.66						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
53	ok	0.67						
54	ok	0.68						
55	ok	1.05						
56	ok	1.05						
57	ok	0.78						
58	ok	0.74						
59	ok	0.76						
60	ok	0.78						
61	ok	0.79						
62	ok	1.13						
63	ok	1.13						
64	ok	0.86						
65	ok	0.83						
66	ok	0.85						
67	ok	0.87						
68	ok	0.88						
69	ok	1.16						
70	ok	1.16						
71	ok	0.91						
72	ok	0.90						
73	ok	0.92						
74	ok	0.94						
75	ok	0.95						
76	ok	1.16						
77	ok	1.16						
78	ok	0.95						
79	ok	0.97						
80	ok	0.99						
81	ok	1.01						
82	ok	1.02						
83	ok	1.16						
84	ok	1.16						
85	ok	1.03						
86	ok	1.07						
87	ok	1.09						
88	ok	1.11						
89	ok	1.11						
90	ok	1.15						
91	ok	1.15						
92	ok	1.13						
93	ok	1.18						
94	ok	1.20						
95	ok	1.20						
96	ok	1.20						
97	ok	1.09						
98	ok	1.07						
99	ok	1.22						
100	ok	1.27						
101	ok	1.27						
102	ok	1.27						
103	ok	1.25						
104	ok	1.09						
105	ok	0.85						
106	ok	1.22						
107	ok	1.27						
108	ok	1.27						
109	ok	1.27						
110	ok	1.25						
111	ok	1.03						
112	ok	1.03						
113	ok	1.00						
114	ok	1.01						
115	ok	1.01						
116	ok	0.98						
117	ok	0.92						
118	ok	1.03						
119	ok	0.98						
120	ok	0.98						
121	ok	0.93						
122	ok	0.84						
123	ok	0.15						
124	ok	0.27						
125	ok	0.16						
126	ok	0.28						
127	ok	0.17						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
128	ok	0.28						
129	ok	0.19						
130	ok	0.29						
131	ok	0.43						
132	ok	0.43						
133	ok	0.44						
134	ok	0.44						
135	ok	0.57						
136	ok	0.57						
137	ok	0.58						
138	ok	0.59						
139	ok	0.69						
140	ok	0.70						
141	ok	0.70						
142	ok	0.71						
143	ok	0.80						
144	ok	0.80						
145	ok	0.81						
146	ok	0.82						
147	ok	0.89						
148	ok	0.89						
149	ok	0.90						
150	ok	0.91						
151	ok	0.96						
152	ok	0.97						
153	ok	0.97						
154	ok	0.98						
155	ok	1.02						
156	ok	1.03						
157	ok	1.03						
158	ok	1.04						
159	ok	1.11						
160	ok	1.11						
161	ok	1.11						
162	ok	1.12						
163	ok	1.19						
164	ok	1.18						
165	ok	1.18						
166	ok	1.18						
167	ok	1.23						
168	ok	1.21						
169	ok	1.20						
170	ok	1.19						
171	ok	1.23						
172	ok	1.21						
173	ok	1.20						
174	ok	1.19						
175	ok	0.87						
176	ok	0.83						
177	ok	0.80						
178	ok	0.80						
179	ok	0.68						
180	ok	0.64						
181	ok	0.65						
182	ok	0.19						
183	ok	0.29						
184	ok	0.20						
185	ok	0.29						
186	ok	0.21						
187	ok	0.29						
188	ok	0.21						
189	ok	0.30						
190	ok	0.22						
191	ok	0.30						
192	ok	0.22						
193	ok	0.30						
194	ok	0.22						
195	ok	0.30						
196	ok	0.22						
197	ok	0.30						
198	ok	0.22						
199	ok	0.30						
200	ok	0.22						
201	ok	0.30						
202	ok	0.21						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
203	ok	0.30						
204	ok	0.21						
205	ok	0.30						
206	ok	0.21						
207	ok	0.30						
208	ok	0.20						
209	ok	0.30						
210	ok	0.19						
211	ok	0.31						
212	ok	0.19						
213	ok	0.31						
214	ok	0.18						
215	ok	0.31						
216	ok	0.17						
217	ok	0.31						
218	ok	0.17						
219	ok	0.31						
220	ok	0.16						
221	ok	0.30						
222	ok	0.15						
223	ok	0.30						
224	ok	0.15						
225	ok	0.30						
226	ok	0.14						
227	ok	0.30						
228	ok	0.14						
229	ok	0.30						
230	ok	0.13						
231	ok	0.30						
232	ok	0.14						
233	ok	0.36						
234	ok	0.36						
235	ok	0.45						
236	ok	0.45						
237	ok	0.45						
238	ok	0.46						
239	ok	0.46						
240	ok	0.46						
241	ok	0.46						
242	ok	0.46						
243	ok	0.47						
244	ok	0.47						
245	ok	0.47						
246	ok	0.47						
247	ok	0.47						
248	ok	0.47						
249	ok	0.47						
250	ok	0.47						
251	ok	0.47						
252	ok	0.47						
253	ok	0.47						
254	ok	0.47						
255	ok	0.47						
256	ok	0.46						
257	ok	0.45						
258	ok	0.45						
259	ok	0.45						
260	ok	0.54						
261	ok	0.54						
262	ok	0.59						
263	ok	0.59						
264	ok	0.60						
265	ok	0.60						
266	ok	0.61						
267	ok	0.61						
268	ok	0.61						
269	ok	0.61						
270	ok	0.62						
271	ok	0.62						
272	ok	0.62						
273	ok	0.62						
274	ok	0.62						
275	ok	0.62						
276	ok	0.62						
277	ok	0.62						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
278	ok	0.62						
279	ok	0.62						
280	ok	0.62						
281	ok	0.61						
282	ok	0.61						
283	ok	0.60						
284	ok	0.59						
285	ok	0.58						
286	ok	0.58						
287	ok	0.69						
288	ok	0.69						
289	ok	0.72						
290	ok	0.72						
291	ok	0.73						
292	ok	0.73						
293	ok	0.73						
294	ok	0.74						
295	ok	0.74						
296	ok	0.74						
297	ok	0.75						
298	ok	0.75						
299	ok	0.75						
300	ok	0.75						
301	ok	0.75						
302	ok	0.75						
303	ok	0.75						
304	ok	0.75						
305	ok	0.75						
306	ok	0.75						
307	ok	0.75						
308	ok	0.74						
309	ok	0.73						
310	ok	0.72						
311	ok	0.71						
312	ok	0.69						
313	ok	0.69						
314	ok	0.81						
315	ok	0.81						
316	ok	0.83						
317	ok	0.83						
318	ok	0.84						
319	ok	0.84						
320	ok	0.84						
321	ok	0.85						
322	ok	0.85						
323	ok	0.86						
324	ok	0.86						
325	ok	0.86						
326	ok	0.86						
327	ok	0.86						
328	ok	0.87						
329	ok	0.87						
330	ok	0.87						
331	ok	0.87						
332	ok	0.87						
333	ok	0.86						
334	ok	0.86						
335	ok	0.85						
336	ok	0.84						
337	ok	0.83						
338	ok	0.81						
339	ok	0.79						
340	ok	0.78						
341	ok	0.89						
342	ok	0.89						
343	ok	0.92						
344	ok	0.92						
345	ok	0.93						
346	ok	0.93						
347	ok	0.94						
348	ok	0.94						
349	ok	0.95						
350	ok	0.95						
351	ok	0.95						
352	ok	0.95						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
353	ok	0.96						
354	ok	0.96						
355	ok	0.96						
356	ok	0.96						
357	ok	0.96						
358	ok	0.96						
359	ok	0.96						
360	ok	0.96						
361	ok	0.96						
362	ok	0.95						
363	ok	0.94						
364	ok	0.92						
365	ok	0.90						
366	ok	0.88						
367	ok	0.85						
368	ok	0.94						
369	ok	0.94						
370	ok	0.99						
371	ok	0.99						
372	ok	1.00						
373	ok	1.00						
374	ok	1.01						
375	ok	1.02						
376	ok	1.02						
377	ok	1.02						
378	ok	1.03						
379	ok	1.03						
380	ok	1.03						
381	ok	1.04						
382	ok	1.04						
383	ok	1.04						
384	ok	1.04						
385	ok	1.04						
386	ok	1.04						
387	ok	1.04						
388	ok	1.03						
389	ok	1.03						
390	ok	1.02						
391	ok	1.00						
392	ok	0.98						
393	ok	0.95						
394	ok	0.91						
395	ok	0.95						
396	ok	0.95						
397	ok	1.05						
398	ok	1.05						
399	ok	1.06						
400	ok	1.07						
401	ok	1.07						
402	ok	1.08						
403	ok	1.09						
404	ok	1.09						
405	ok	1.09						
406	ok	1.10						
407	ok	1.10						
408	ok	1.10						
409	ok	1.11						
410	ok	1.11						
411	ok	1.11						
412	ok	1.11						
413	ok	1.11						
414	ok	1.11						
415	ok	1.11						
416	ok	1.11						
417	ok	1.10						
418	ok	1.08						
419	ok	1.05						
420	ok	1.02						
421	ok	0.97						
422	ok	0.95						
423	ok	0.95						
424	ok	1.12						
425	ok	1.13						
426	ok	1.14						
427	ok	1.15						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
428	ok	1.16						
429	ok	1.17						
430	ok	1.17						
431	ok	1.18						
432	ok	1.18						
433	ok	1.18						
434	ok	1.19						
435	ok	1.19						
436	ok	1.19						
437	ok	1.20						
438	ok	1.20						
439	ok	1.20						
440	ok	1.21						
441	ok	1.21						
442	ok	1.21						
443	ok	1.20						
444	ok	1.20						
445	ok	1.18						
446	ok	1.16						
447	ok	1.12						
448	ok	1.05						
449	ok	0.97						
450	ok	0.94						
451	ok	1.19						
452	ok	1.20						
453	ok	1.21						
454	ok	1.22						
455	ok	1.23						
456	ok	1.24						
457	ok	1.25						
458	ok	1.25						
459	ok	1.25						
460	ok	1.26						
461	ok	1.26						
462	ok	1.26						
463	ok	1.27						
464	ok	1.27						
465	ok	1.28						
466	ok	1.28						
467	ok	1.29						
468	ok	1.29						
469	ok	1.30						
470	ok	1.30						
471	ok	1.30						
472	ok	1.29						
473	ok	1.27						
474	ok	1.23						
475	ok	1.15						
476	ok	1.01						
477	ok	0.89						
478	ok	1.20						
479	ok	1.22						
480	ok	1.23						
481	ok	1.25						
482	ok	1.26						
483	ok	1.27						
484	ok	1.27						
485	ok	1.28						
486	ok	1.28						
487	ok	1.28						
488	ok	1.28						
489	ok	1.29						
490	ok	1.29						
491	ok	1.30						
492	ok	1.30						
493	ok	1.31						
494	ok	1.32						
495	ok	1.33						
496	ok	1.34						
497	ok	1.35						
498	ok	1.36						
499	ok	1.36						
500	ok	1.35						
501	ok	1.32						
502	ok	1.23						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
503	ok	1.02						
504	ok	0.78						
505	ok	1.20						
506	ok	1.22						
507	ok	1.23						
508	ok	1.25						
509	ok	1.26						
510	ok	1.27						
511	ok	1.27						
512	ok	1.28						
513	ok	1.28						
514	ok	1.28						
515	ok	1.28						
516	ok	1.29						
517	ok	1.29						
518	ok	1.30						
519	ok	1.30						
520	ok	1.31						
521	ok	1.32						
522	ok	1.33						
523	ok	1.34						
524	ok	1.35						
525	ok	1.36						
526	ok	1.36						
527	ok	1.35						
528	ok	1.32						
529	ok	1.23						
530	ok	1.02						
531	ok	0.73						
532	ok	0.82						
533	ok	0.84						
534	ok	0.86						
535	ok	0.88						
536	ok	0.89						
537	ok	0.90						
538	ok	0.90						
539	ok	0.91						
540	ok	0.91						
541	ok	0.91						
542	ok	0.91						
543	ok	0.91						
544	ok	0.92						
545	ok	0.92						
546	ok	0.93						
547	ok	0.94						
548	ok	0.96						
549	ok	0.97						
550	ok	1.00						
551	ok	1.02						
552	ok	1.04						
553	ok	1.07						
554	ok	1.07						
555	ok	1.07						
556	ok	1.01						
557	ok	1.48						
558	ok	1.48						
559	ok	0.75						
560	ok	0.80						
561	ok	0.84						
562	ok	0.86						
563	ok	0.87						
564	ok	0.87						
565	ok	0.87						
566	ok	0.87						
567	ok	0.87						
568	ok	0.86						
569	ok	0.86						
570	ok	0.86						
571	ok	0.85						
572	ok	0.85						
573	ok	0.85						
574	ok	0.85						
575	ok	0.85						
576	ok	0.85						
577	ok	0.86						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
578	ok	0.88						
579	ok	0.91						
580	ok	0.96						
581	ok	1.01						
582	ok	1.04						
583	ok	1.04						
584	ok	1.48						
585	ok	0.16						
586	ok	0.37						
587	ok	0.93						
588	ok	0.57						
589	ok	0.98						
590	ok	0.98						
591	ok	0.93						
592	ok	0.84						
593	ok	0.76						
594	ok	0.50						
595	ok	0.37						
596	ok	0.55						
597	ok	0.55						
598	ok	0.54						
599	ok	0.50						
600	ok	0.46						
601	ok	0.17						
602	ok	0.19						
603	ok	0.19						
604	ok	0.18						
605	ok	0.17						
606	ok	0.68						
607	ok	0.64						
608	ok	0.65						
609	ok	0.70						
610	ok	0.41						
611	ok	0.39						
612	ok	0.39						
613	ok	0.43						
614	ok	0.19						
615	ok	0.25						
616	ok	0.31						
617	ok	0.75						
618	ok	0.80						
619	ok	0.84						
620	ok	0.86						
621	ok	0.87						
622	ok	0.87						
623	ok	0.87						
624	ok	0.87						
625	ok	0.87						
626	ok	0.86						
627	ok	0.86						
628	ok	0.86						
629	ok	0.85						
630	ok	0.85						
631	ok	0.85						
632	ok	0.85						
633	ok	0.85						
634	ok	0.85						
635	ok	0.86						
636	ok	0.88						
637	ok	0.91						
638	ok	0.96						
639	ok	1.01						
640	ok	1.04						
641	ok	1.04						
642	ok	0.97						
643	ok	0.52						
644	ok	0.46						
645	ok	0.49						
646	ok	0.52						
647	ok	0.53						
648	ok	0.54						
649	ok	0.54						
650	ok	0.54						
651	ok	0.54						
652	ok	0.54						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
653	ok	0.54						
654	ok	0.54						
655	ok	0.53						
656	ok	0.53						
657	ok	0.53						
658	ok	0.53						
659	ok	0.53						
660	ok	0.53						
661	ok	0.54						
662	ok	0.55						
663	ok	0.56						
664	ok	0.58						
665	ok	0.60						
666	ok	0.62						
667	ok	0.62						
668	ok	0.62						
669	ok	0.55						
670	ok	0.37						
671	ok	0.42						
672	ok	0.45						
673	ok	0.47						
674	ok	0.47						
675	ok	0.47						
676	ok	0.47						
677	ok	0.45						
678	ok	0.44						
679	ok	0.42						
680	ok	0.40						
681	ok	0.38						
682	ok	0.36						
683	ok	0.35						
684	ok	0.34						
685	ok	0.32						
686	ok	0.31						
687	ok	0.30						
688	ok	0.29						
689	ok	0.28						
690	ok	0.27						
691	ok	0.26						
692	ok	0.24						
693	ok	0.23						
694	ok	0.22						
695	ok	0.22						
696	ok	0.20						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		1.48						

9.1.8 Stati limite d'esercizio

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

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

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

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

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

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

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

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

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

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
630	0.23	0.49	0.19	36,36,39	0.0	0.0	0.0	0,0,0
631	0.20	0.50	0.17	36,36,39	0.0	0.0	0.0	0,0,0
632	0.21	0.51	0.17	36,36,39	0.0	0.0	0.0	0,0,0
633	0.21	0.51	0.17	36,36,39	0.0	0.0	0.0	0,0,0
634	0.20	0.51	0.17	36,36,39	0.0	0.0	0.0	0,0,0
635	0.20	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
636	0.20	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
637	0.19	0.48	0.16	36,36,39	0.0	0.0	0.0	0,0,0
638	0.19	0.48	0.16	36,36,39	0.0	0.0	0.0	0,0,0
639	0.20	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
640	0.20	0.50	0.17	36,36,39	0.0	0.0	0.0	0,0,0
641	0.21	0.52	0.17	36,36,39	0.0	0.0	0.0	0,0,0
642	0.21	0.53	0.17	36,36,39	0.0	0.0	0.0	0,0,0
643	0.22	0.54	0.18	36,36,39	0.0	0.0	0.0	0,0,0
644	0.22	0.55	0.18	36,36,39	0.0	0.0	0.0	0,0,0
645	0.22	0.55	0.18	36,36,39	0.0	0.0	0.0	0,0,0
646	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
647	0.23	0.56	0.18	36,36,39	0.22	0.0	0.0	36,0,0
648	0.23	0.56	0.18	36,36,39	0.22	0.0	0.0	36,0,0
649	0.23	0.56	0.18	36,36,39	0.22	0.0	0.0	36,0,0
650	0.23	0.57	0.18	36,36,39	0.22	0.0	0.0	36,0,0
651	0.23	0.57	0.18	36,36,39	0.22	0.0	0.0	36,0,0
652	0.23	0.57	0.18	36,36,39	0.22	0.0	0.0	36,0,0
653	0.23	0.57	0.18	36,36,39	0.22	0.0	0.0	36,0,0
654	0.23	0.57	0.19	36,36,39	0.22	0.0	0.0	36,0,0
655	0.23	0.57	0.19	36,36,39	0.22	0.0	0.0	36,0,0
656	0.23	0.57	0.19	36,36,39	0.22	0.0	0.0	36,0,0
657	0.23	0.58	0.19	36,36,39	0.22	0.0	0.0	36,0,0
658	0.23	0.58	0.19	36,36,39	0.22	0.0	0.0	36,0,0
659	0.23	0.58	0.19	36,36,39	0.22	0.0	0.0	36,0,0
660	0.23	0.58	0.19	36,36,39	0.22	0.0	0.0	36,0,0
661	0.23	0.58	0.19	36,36,39	0.22	0.0	0.0	36,0,0
662	0.23	0.58	0.18	36,36,39	0.22	0.0	0.0	36,0,0
663	0.23	0.57	0.18	36,36,39	0.22	0.0	0.0	36,0,0
664	0.23	0.56	0.18	36,36,39	0.22	0.0	0.0	36,0,0
665	0.22	0.53	0.18	36,36,39	0.0	0.0	0.0	0,0,0
666	0.25	0.52	0.20	36,36,39	0.20	0.0	0.0	36,0,0
667	0.19	0.43	0.15	36,36,39	0.0	0.0	0.0	0,0,0
668	0.19	0.43	0.15	36,36,39	0.0	0.0	0.0	0,0,0
669	0.19	0.44	0.15	36,36,39	0.0	0.0	0.0	0,0,0
670	0.18	0.44	0.15	36,36,39	0.0	0.0	0.0	0,0,0
671	0.18	0.44	0.14	36,36,39	0.0	0.0	0.0	0,0,0
672	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
673	0.17	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
674	0.17	0.41	0.13	36,36,39	0.0	0.0	0.0	0,0,0
675	0.17	0.41	0.13	36,36,39	0.0	0.0	0.0	0,0,0
676	0.17	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
677	0.18	0.44	0.14	36,36,39	0.0	0.0	0.0	0,0,0
678	0.19	0.45	0.15	36,36,39	0.0	0.0	0.0	0,0,0
679	0.19	0.46	0.15	36,36,39	0.0	0.0	0.0	0,0,0
680	0.20	0.47	0.16	36,36,39	0.0	0.0	0.0	0,0,0
681	0.20	0.48	0.16	36,36,39	0.0	0.0	0.0	0,0,0
682	0.20	0.48	0.16	36,36,39	0.0	0.0	0.0	0,0,0
683	0.20	0.48	0.16	36,36,39	0.0	0.0	0.0	0,0,0
684	0.20	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
685	0.20	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
686	0.20	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
687	0.20	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
688	0.20	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
689	0.21	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
690	0.21	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
691	0.21	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
692	0.21	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
693	0.21	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
694	0.21	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
695	0.21	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
696	0.21	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
697	0.21	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
698	0.20	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
699	0.20	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
700	0.20	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
701	0.20	0.48	0.16	36,36,39	0.0	0.0	0.0	0,0,0
702	0.20	0.46	0.16	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
703	0.20	0.45	0.16	36,36,39	0.0	0.0	0.0	0,0,0
704	0.17	0.38	0.13	36,36,39	0.0	0.0	0.0	0,0,0
705	0.17	0.37	0.13	36,36,39	0.0	0.0	0.0	0,0,0
706	0.17	0.38	0.13	36,36,39	0.0	0.0	0.0	0,0,0
707	0.17	0.38	0.13	36,36,39	0.0	0.0	0.0	0,0,0
708	0.16	0.38	0.13	36,36,39	0.0	0.0	0.0	0,0,0
709	0.16	0.37	0.12	36,36,39	0.0	0.0	0.0	0,0,0
710	0.15	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
711	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
712	0.14	0.34	0.11	36,36,39	0.0	0.0	0.0	0,0,0
713	0.15	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
714	0.16	0.39	0.13	36,36,39	0.0	0.0	0.0	0,0,0
715	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
716	0.18	0.41	0.13	36,36,39	0.0	0.0	0.0	0,0,0
717	0.18	0.41	0.14	36,36,39	0.0	0.0	0.0	0,0,0
718	0.18	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
719	0.18	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
720	0.18	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
721	0.18	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
722	0.18	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
723	0.18	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
724	0.18	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
725	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
726	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
727	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
728	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
729	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
730	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
731	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
732	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
733	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
734	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
735	0.18	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
736	0.18	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
737	0.18	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
738	0.18	0.41	0.14	36,36,39	0.0	0.0	0.0	0,0,0
739	0.18	0.39	0.14	36,36,39	0.0	0.0	0.0	0,0,0
740	0.18	0.40	0.14	36,36,39	0.0	0.0	0.0	0,0,0
741	0.15	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
742	0.15	0.32	0.11	36,36,39	0.0	0.0	0.0	0,0,0
743	0.15	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
744	0.15	0.34	0.11	36,36,39	0.0	0.0	0.0	0,0,0
745	0.15	0.34	0.11	36,36,39	0.0	0.0	0.0	0,0,0
746	0.14	0.34	0.11	36,36,39	0.0	0.0	0.0	0,0,0
747	0.13	0.31	0.10	36,36,39	0.0	0.0	0.0	0,0,0
748	0.11	0.26	0.08	36,36,39	0.0	0.0	0.0	0,0,0
749	0.11	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
750	0.14	0.33	0.10	36,36,39	0.0	0.0	0.0	0,0,0
751	0.15	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
752	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
753	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
754	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
755	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
756	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
757	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
758	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
759	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
760	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
761	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
762	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
763	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
764	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
765	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
766	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
767	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
768	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
769	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
770	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
771	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
772	0.16	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
773	0.16	0.35	0.12	36,36,39	0.0	0.0	0.0	0,0,0
774	0.16	0.35	0.12	36,36,39	0.0	0.0	0.0	0,0,0
775	0.16	0.34	0.12	36,36,39	0.0	0.0	0.0	0,0,0
776	0.16	0.34	0.12	36,36,39	0.0	0.0	0.0	0,0,0
777	0.16	0.34	0.12	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
778	0.14	0.28	0.10	36,36,39	0.0	0.0	0.0	0,0,0
779	0.14	0.28	0.10	36,36,39	0.0	0.0	0.0	0,0,0
780	0.14	0.29	0.10	36,36,39	0.0	0.0	0.0	0,0,0
781	0.14	0.31	0.10	36,36,39	0.0	0.0	0.0	0,0,0
782	0.14	0.32	0.10	36,36,39	0.0	0.0	0.0	0,0,0
783	0.16	0.34	0.11	36,36,39	0.0	0.0	0.0	0,0,0
784	0.16	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
785	0.07	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
786	0.08	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
787	0.18	0.36	0.13	36,36,39	0.0	0.0	0.0	0,0,0
788	0.17	0.35	0.12	36,36,39	0.0	0.0	0.0	0,0,0
789	0.15	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
790	0.15	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
791	0.14	0.32	0.10	36,36,39	0.0	0.0	0.0	0,0,0
792	0.14	0.31	0.10	36,36,39	0.0	0.0	0.0	0,0,0
793	0.14	0.31	0.10	36,36,39	0.0	0.0	0.0	0,0,0
794	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
795	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
796	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
797	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
798	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
799	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
800	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
801	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
802	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
803	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
804	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
805	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
806	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
807	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
808	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
809	0.14	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
810	0.14	0.29	0.10	36,36,39	0.0	0.0	0.0	0,0,0
811	0.14	0.29	0.10	36,36,39	0.0	0.0	0.0	0,0,0
812	0.14	0.29	0.10	36,36,39	0.0	0.0	0.0	0,0,0
813	0.14	0.29	0.10	36,36,39	0.0	0.0	0.0	0,0,0
814	0.14	0.29	0.10	36,36,39	0.0	0.0	0.0	0,0,0
815	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
816	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
817	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
818	0.13	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
819	0.14	0.31	0.10	36,36,39	0.0	0.0	0.0	0,0,0
820	0.25	0.54	0.18	36,36,39	0.21	0.18	0.0	36,38,0
821	0.28	0.54	0.20	36,36,39	0.20	0.17	0.0	36,38,0
822	0.15	0.32	0.11	36,36,39	0.0	0.0	0.0	0,0,0
823	0.13	0.29	0.09	36,36,39	0.0	0.0	0.0	0,0,0
824	0.13	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
825	0.12	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
826	0.12	0.26	0.08	36,36,39	0.0	0.0	0.0	0,0,0
827	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
828	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
829	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
830	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
831	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
832	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
833	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
834	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
835	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
836	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
837	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
838	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
839	0.12	0.25	0.08	36,36,39	0.0	0.0	0.0	0,0,0
840	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
841	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
842	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
843	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
844	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
845	0.12	0.23	0.08	36,36,39	0.0	0.0	0.0	0,0,0
846	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
847	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
848	0.11	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
849	0.11	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
850	0.11	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
851	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
852	0.13	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
853	0.14	0.29	0.10	36,36,39	0.0	0.0	0.0	0,0,0
854	0.15	0.28	0.10	36,36,39	0.0	0.0	0.0	0,0,0
855	0.13	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
856	0.12	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
857	0.11	0.23	0.08	36,36,39	0.0	0.0	0.0	0,0,0
858	0.11	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
859	0.11	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
860	0.11	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
861	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
862	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
863	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
864	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
865	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
866	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
867	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
868	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
869	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
870	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
871	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
872	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
873	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
874	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
875	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
876	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
877	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
878	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
879	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
880	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
881	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
882	0.09	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
883	0.10	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
884	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
885	0.11	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
886	0.11	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
887	0.11	0.22	0.08	36,36,39	0.0	0.0	0.0	0,0,0
888	0.11	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
889	0.11	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
890	0.10	0.19	0.07	36,36,39	0.0	0.0	0.0	0,0,0
891	0.10	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
892	0.09	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
893	0.09	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
894	0.09	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
895	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
896	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
897	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
898	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
899	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
900	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
901	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
902	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
903	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
904	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
905	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
906	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
907	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
908	0.09	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
909	0.09	0.16	0.05	36,36,39	0.0	0.0	0.0	0,0,0
910	0.09	0.16	0.05	36,36,39	0.0	0.0	0.0	0,0,0
911	0.09	0.16	0.06	36,36,39	0.0	0.0	0.0	0,0,0
912	0.09	0.16	0.06	36,36,39	0.0	0.0	0.0	0,0,0
913	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
914	0.08	0.15	0.05	36,36,39	0.0	0.0	0.0	0,0,0
915	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
916	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
917	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
918	0.08	0.15	0.05	36,36,39	0.0	0.0	0.0	0,0,0
919	0.06	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
920	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
921	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
922	0.09	0.16	0.06	36,36,39	0.0	0.0	0.0	0,0,0
923	0.07	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
924	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
925	0.04	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
926	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
927	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
928	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
929	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
930	0.10	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
931	0.07	0.13	0.05	36,36,39	0.0	0.0	0.0	0,0,0
932	0.05	0.10	0.04	36,36,39	0.0	0.0	0.0	0,0,0
933	0.04	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
934	0.10	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
935	0.07	0.13	0.05	36,36,39	0.0	0.0	0.0	0,0,0
936	0.06	0.10	0.04	36,36,39	0.0	0.0	0.0	0,0,0
937	0.05	0.08	0.04	36,36,39	0.0	0.0	0.0	0,0,0
938	0.10	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
939	0.07	0.13	0.05	36,36,39	0.0	0.0	0.0	0,0,0
940	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
941	0.04	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
942	0.10	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
943	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
944	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
945	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
946	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
947	0.07	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
948	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
949	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
950	0.09	0.16	0.06	36,36,39	0.0	0.0	0.0	0,0,0
951	0.07	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
952	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
953	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
954	0.08	0.16	0.05	36,36,39	0.0	0.0	0.0	0,0,0
955	0.06	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
956	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
957	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
958	0.08	0.15	0.05	36,36,39	0.0	0.0	0.0	0,0,0
959	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
960	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
961	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
962	0.08	0.15	0.05	36,36,39	0.0	0.0	0.0	0,0,0
963	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
964	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
965	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
966	0.08	0.15	0.05	36,36,39	0.0	0.0	0.0	0,0,0
967	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
968	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
969	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
970	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
971	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
972	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
973	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
974	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
975	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
976	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
977	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
978	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
979	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
980	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
981	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
982	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
983	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
984	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
985	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
986	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
987	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
988	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
989	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
990	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
991	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
992	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
993	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
994	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
995	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
996	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
997	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
998	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
999	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1000	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1001	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1002	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
1003	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1004	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1005	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1006	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1007	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1008	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1009	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1010	0.07	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1011	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1012	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1013	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1014	0.07	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1015	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1016	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1017	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1018	0.07	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1019	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1020	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1021	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1022	0.07	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1023	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1024	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1025	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1026	0.07	0.13	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1027	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1028	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1029	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1030	0.07	0.13	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1031	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1032	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1033	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1034	0.08	0.13	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1035	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1036	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1037	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1038	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1039	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1040	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1041	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1042	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1043	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1044	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1045	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1046	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1047	0.01	0.02	7.85e-03	36,36,39	0.0	0.0	0.0	0,0,0
1048	5.30e-03	0.01	4.02e-03	36,36,39	0.0	0.0	0.0	0,0,0
1049	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1050	0.01	0.02	9.12e-03	36,36,39	0.0	0.0	0.0	0,0,0
1051	7.81e-03	0.02	5.72e-03	36,36,39	0.0	0.0	0.0	0,0,0
1052	0.02	0.04	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1053	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1054	0.01	0.03	7.78e-03	36,36,39	0.0	0.0	0.0	0,0,0
1055	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1056	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1057	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1058	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1059	0.02	0.04	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1060	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1061	0.04	0.06	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1062	0.02	0.04	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1063	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1064	0.05	0.06	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1065	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1066	0.01	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1067	0.01	0.03	0.01	36,35,39	0.0	0.0	0.0	0,0,0
1068	0.01	0.02	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1069	7.92e-03	0.02	8.11e-03	36,36,39	0.0	0.0	0.0	0,0,0
1070	8.02e-03	0.03	9.21e-03	36,35,39	0.0	0.0	0.0	0,0,0
1071	6.92e-03	0.02	8.16e-03	36,35,39	0.0	0.0	0.0	0,0,0
1072	5.10e-03	8.16e-03	6.47e-03	36,35,39	0.0	0.0	0.0	0,0,0
1073	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1074	9.77e-03	0.02	8.81e-03	36,36,39	0.0	0.0	0.0	0,0,0
1075	5.13e-03	9.46e-03	6.06e-03	36,35,39	0.0	0.0	0.0	0,0,0
1076	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1077	9.96e-03	0.02	9.20e-03	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
1078	5.30e-03	9.30e-03	5.83e-03	36,35,39	0.0	0.0	0.0	0,0,0
1079	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1080	0.01	0.02	8.54e-03	36,36,39	0.0	0.0	0.0	0,0,0
1081	5.87e-03	7.92e-03	5.66e-03	36,35,39	0.0	0.0	0.0	0,0,0
1082	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1083	0.01	0.02	7.27e-03	36,36,39	0.0	0.0	0.0	0,0,0
1084	5.52e-03	6.95e-03	4.53e-03	36,35,39	0.0	0.0	0.0	0,0,0
1085	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1086	9.99e-03	0.02	6.58e-03	36,36,39	0.0	0.0	0.0	0,0,0
1087	4.21e-03	4.47e-03	3.08e-03	36,36,39	0.0	0.0	0.0	0,0,0
1088	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1089	9.80e-03	0.02	6.60e-03	36,36,39	0.0	0.0	0.0	0,0,0
1090	3.73e-03	4.52e-03	3.19e-03	36,36,39	0.0	0.0	0.0	0,0,0
1091	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1092	9.95e-03	0.02	6.72e-03	36,36,39	0.0	0.0	0.0	0,0,0
1093	4.21e-03	5.99e-03	3.44e-03	36,35,39	0.0	0.0	0.0	0,0,0
1094	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1095	0.01	0.02	6.78e-03	36,36,39	0.0	0.0	0.0	0,0,0
1096	4.60e-03	7.42e-03	3.84e-03	36,35,39	0.0	0.0	0.0	0,0,0
1097	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1098	0.01	0.02	6.79e-03	36,36,39	0.0	0.0	0.0	0,0,0
1099	4.89e-03	8.46e-03	4.54e-03	36,35,39	0.0	0.0	0.0	0,0,0
1100	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1101	0.01	0.02	6.75e-03	36,36,39	0.0	0.0	0.0	0,0,0
1102	5.07e-03	9.22e-03	5.07e-03	36,35,39	0.0	0.0	0.0	0,0,0
1103	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1104	0.01	0.02	6.67e-03	36,36,39	0.0	0.0	0.0	0,0,0
1105	5.57e-03	9.74e-03	5.45e-03	36,35,39	0.0	0.0	0.0	0,0,0
1106	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1107	0.01	0.02	6.56e-03	36,36,39	0.0	0.0	0.0	0,0,0
1108	6.07e-03	0.01	5.71e-03	36,36,39	0.0	0.0	0.0	0,0,0
1109	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1110	9.90e-03	0.02	6.41e-03	36,36,39	0.0	0.0	0.0	0,0,0
1111	6.46e-03	0.01	5.89e-03	36,36,39	0.0	0.0	0.0	0,0,0
1112	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1113	9.72e-03	0.02	6.23e-03	36,36,39	0.0	0.0	0.0	0,0,0
1114	6.77e-03	0.01	6.01e-03	36,36,39	0.0	0.0	0.0	0,0,0
1115	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1116	9.50e-03	0.02	6.02e-03	36,36,39	0.0	0.0	0.0	0,0,0
1117	7.03e-03	0.01	6.09e-03	36,36,39	0.0	0.0	0.0	0,0,0
1118	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1119	9.24e-03	0.01	5.80e-03	36,36,39	0.0	0.0	0.0	0,0,0
1120	7.26e-03	0.01	6.14e-03	36,36,39	0.0	0.0	0.0	0,0,0
1121	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1122	8.97e-03	0.01	5.58e-03	36,36,39	0.0	0.0	0.0	0,0,0
1123	7.51e-03	0.01	6.20e-03	36,36,39	0.0	0.0	0.0	0,0,0
1124	0.02	0.03	9.89e-03	36,36,39	0.0	0.0	0.0	0,0,0
1125	8.71e-03	0.01	5.35e-03	36,36,39	0.0	0.0	0.0	0,0,0
1126	7.77e-03	0.02	6.27e-03	36,36,39	0.0	0.0	0.0	0,0,0
1127	0.02	0.03	9.72e-03	36,36,39	0.0	0.0	0.0	0,0,0
1128	8.46e-03	0.01	5.24e-03	36,36,39	0.0	0.0	0.0	0,0,0
1129	8.06e-03	0.02	6.36e-03	36,36,39	0.0	0.0	0.0	0,0,0
1130	0.02	0.03	9.56e-03	36,36,39	0.0	0.0	0.0	0,0,0
1131	8.27e-03	0.01	5.41e-03	36,36,39	0.0	0.0	0.0	0,0,0
1132	8.38e-03	0.02	6.45e-03	36,36,39	0.0	0.0	0.0	0,0,0
1133	0.02	0.03	9.47e-03	36,36,39	0.0	0.0	0.0	0,0,0
1134	8.14e-03	0.02	5.57e-03	36,36,39	0.0	0.0	0.0	0,0,0
1135	8.68e-03	0.02	6.53e-03	36,36,39	0.0	0.0	0.0	0,0,0
1136	0.02	0.03	9.42e-03	36,36,39	0.0	0.0	0.0	0,0,0
1137	8.15e-03	0.02	5.66e-03	36,36,39	0.0	0.0	0.0	0,0,0
1138	8.90e-03	0.02	6.57e-03	36,36,39	0.0	0.0	0.0	0,0,0
1139	0.02	0.03	9.44e-03	36,36,39	0.0	0.0	0.0	0,0,0
1140	8.24e-03	0.02	5.62e-03	36,36,39	0.0	0.0	0.0	0,0,0
1141	8.96e-03	0.02	6.49e-03	36,36,39	0.0	0.0	0.0	0,0,0
1142	0.02	0.03	9.50e-03	36,36,39	0.0	0.0	0.0	0,0,0
1143	8.12e-03	0.02	5.37e-03	36,36,39	0.0	0.0	0.0	0,0,0
1144	8.69e-03	0.02	6.22e-03	36,36,39	0.0	0.0	0.0	0,0,0
1145	0.02	0.03	9.60e-03	36,36,39	0.0	0.0	0.0	0,0,0
1146	8.21e-03	0.02	4.91e-03	36,36,39	0.0	0.0	0.0	0,0,0
1147	7.98e-03	0.02	5.66e-03	36,36,39	0.0	0.0	0.0	0,0,0
1148	0.02	0.03	9.74e-03	36,36,39	0.0	0.0	0.0	0,0,0
1149	8.29e-03	0.02	4.94e-03	36,36,39	0.0	0.0	0.0	0,0,0
1150	7.19e-03	0.02	4.74e-03	36,36,39	0.0	0.0	0.0	0,0,0
1151	0.02	0.03	9.83e-03	36,36,39	0.0	0.0	0.0	0,0,0
1152	8.37e-03	0.01	5.06e-03	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
1153	5.64e-03	0.02	3.57e-03	36,36,39	0.0	0.0	0.0	0,0,0
1154	0.02	0.03	9.09e-03	36,36,39	0.0	0.0	0.0	0,0,0
1155	7.52e-03	0.01	4.12e-03	36,36,39	0.0	0.0	0.0	0,0,0
1156	3.18e-03	8.52e-03	2.21e-03	36,36,39	0.0	0.0	0.0	0,0,0
Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.28	0.58	0.20		0.22	0.18	0.0	

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	2.28e-03	0.01	1.83e-03	36,36,39	0.0	0.0	0.0	0,0,0
2	5.38e-03	0.02	4.24e-03	36,36,39	0.0	0.0	0.0	0,0,0
3	7.58e-03	0.03	5.88e-03	36,36,39	0.0	0.0	0.0	0,0,0
4	9.03e-03	0.03	7.01e-03	36,36,39	0.0	0.0	0.0	0,0,0
5	9.73e-03	0.03	7.70e-03	36,36,39	0.0	0.0	0.0	0,0,0
6	0.01	0.03	8.19e-03	36,36,39	0.0	0.0	0.0	0,0,0
7	6.12e-03	0.02	4.03e-03	36,36,39	0.0	0.0	0.0	0,0,0
8	7.08e-03	0.03	4.91e-03	36,36,39	0.0	0.0	0.0	0,0,0
9	7.02e-03	0.03	5.20e-03	36,36,39	0.0	0.0	0.0	0,0,0
10	8.07e-03	0.03	6.26e-03	36,36,39	0.0	0.0	0.0	0,0,0
11	8.71e-03	0.03	6.90e-03	36,36,39	0.0	0.0	0.0	0,0,0
12	9.18e-03	0.03	7.37e-03	36,36,39	0.0	0.0	0.0	0,0,0
13	0.01	0.04	8.39e-03	36,36,39	0.0	0.0	0.0	0,0,0
14	0.01	0.05	9.01e-03	36,36,39	0.0	0.0	0.0	0,0,0
15	0.01	0.05	9.00e-03	36,36,39	0.0	0.0	0.0	0,0,0
16	0.01	0.04	8.92e-03	36,36,39	0.0	0.0	0.0	0,0,0
17	0.01	0.04	8.81e-03	36,36,39	0.0	0.0	0.0	0,0,0
18	0.01	0.04	8.73e-03	36,36,39	0.0	0.0	0.0	0,0,0
19	0.02	0.06	0.01	36,36,39	0.0	0.0	0.0	0,0,0
20	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
21	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
22	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
23	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
24	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
25	0.03	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
26	0.03	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
27	0.03	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
28	0.03	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
29	0.03	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
30	0.03	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
31	0.04	0.12	0.03	36,36,39	0.0	0.0	0.0	0,0,0
32	0.04	0.12	0.03	36,36,39	0.0	0.0	0.0	0,0,0
33	0.04	0.12	0.03	36,36,39	0.0	0.0	0.0	0,0,0
34	0.04	0.12	0.03	36,36,39	0.0	0.0	0.0	0,0,0
35	0.04	0.12	0.03	36,36,39	0.0	0.0	0.0	0,0,0
36	0.04	0.12	0.03	36,36,39	0.0	0.0	0.0	0,0,0
37	0.06	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
38	0.06	0.16	0.04	36,36,39	0.0	0.0	0.0	0,0,0
39	0.06	0.16	0.04	36,36,39	0.0	0.0	0.0	0,0,0
40	0.06	0.16	0.04	36,36,39	0.0	0.0	0.0	0,0,0
41	0.06	0.16	0.04	36,36,39	0.0	0.0	0.0	0,0,0
42	0.06	0.16	0.04	36,36,39	0.0	0.0	0.0	0,0,0
43	0.07	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
44	0.07	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
45	0.07	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
46	0.07	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
47	0.07	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
48	0.07	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
49	0.09	0.23	0.06	36,36,39	0.0	0.0	0.0	0,0,0
50	0.09	0.23	0.06	36,36,39	0.0	0.0	0.0	0,0,0
51	0.09	0.23	0.06	36,36,39	0.0	0.0	0.0	0,0,0
52	0.09	0.23	0.06	36,36,39	0.0	0.0	0.0	0,0,0
53	0.09	0.23	0.06	36,36,39	0.0	0.0	0.0	0,0,0
54	0.09	0.23	0.06	36,36,39	0.0	0.0	0.0	0,0,0
55	0.10	0.27	0.08	36,36,39	0.0	0.0	0.0	0,0,0
56	0.10	0.27	0.08	36,36,39	0.0	0.0	0.0	0,0,0
57	0.10	0.27	0.08	36,36,39	0.0	0.0	0.0	0,0,0
58	0.10	0.27	0.08	36,36,39	0.0	0.0	0.0	0,0,0
59	0.10	0.27	0.08	36,36,39	0.0	0.0	0.0	0,0,0
60	0.10	0.27	0.08	36,36,39	0.0	0.0	0.0	0,0,0
61	0.12	0.31	0.09	36,36,39	0.0	0.0	0.0	0,0,0
62	0.12	0.31	0.09	36,36,39	0.0	0.0	0.0	0,0,0
63	0.12	0.32	0.09	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
64	0.12	0.32	0.09	36,36,39	0.0	0.0	0.0	0,0,0
65	0.12	0.32	0.09	36,36,39	0.0	0.0	0.0	0,0,0
66	0.12	0.32	0.09	36,36,39	0.0	0.0	0.0	0,0,0
67	0.14	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0
68	0.14	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
69	0.14	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
70	0.14	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
71	0.14	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
72	0.14	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
73	0.15	0.38	0.12	36,36,39	0.0	0.0	0.0	0,0,0
74	0.15	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
75	0.15	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
76	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
77	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
78	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
79	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
80	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
81	0.16	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
82	0.16	0.42	0.12	36,36,39	0.0	0.0	0.0	0,0,0
83	0.16	0.42	0.12	36,36,39	0.0	0.0	0.0	0,0,0
84	0.16	0.42	0.12	36,36,39	0.0	0.0	0.0	0,0,0
85	0.01	0.03	8.33e-03	36,36,39	0.0	0.0	0.0	0,0,0
86	9.92e-03	0.03	8.19e-03	36,36,39	0.0	0.0	0.0	0,0,0
87	9.52e-03	0.02	7.91e-03	36,36,39	0.0	0.0	0.0	0,0,0
88	8.95e-03	0.02	7.50e-03	36,36,39	0.0	0.0	0.0	0,0,0
89	9.29e-03	0.03	7.48e-03	36,36,39	0.0	0.0	0.0	0,0,0
90	9.10e-03	0.03	7.40e-03	36,36,39	0.0	0.0	0.0	0,0,0
91	8.67e-03	0.03	7.13e-03	36,36,39	0.0	0.0	0.0	0,0,0
92	8.15e-03	0.03	6.75e-03	36,36,39	0.0	0.0	0.0	0,0,0
93	0.01	0.04	8.69e-03	36,36,39	0.0	0.0	0.0	0,0,0
94	0.01	0.04	8.79e-03	36,36,39	0.0	0.0	0.0	0,0,0
95	0.01	0.05	8.90e-03	36,36,39	0.0	0.0	0.0	0,0,0
96	0.01	0.05	9.06e-03	36,36,39	0.0	0.0	0.0	0,0,0
97	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
98	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
99	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
100	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
101	0.03	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
102	0.03	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
103	0.03	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
104	0.03	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
105	0.04	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
106	0.04	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
107	0.04	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
108	0.04	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
109	0.06	0.16	0.04	36,36,39	0.0	0.0	0.0	0,0,0
110	0.06	0.16	0.04	36,36,39	0.0	0.0	0.0	0,0,0
111	0.06	0.16	0.04	36,36,39	0.0	0.0	0.0	0,0,0
112	0.06	0.16	0.04	36,36,39	0.0	0.0	0.0	0,0,0
113	0.07	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
114	0.07	0.20	0.05	36,36,39	0.0	0.0	0.0	0,0,0
115	0.07	0.20	0.05	36,36,39	0.0	0.0	0.0	0,0,0
116	0.07	0.20	0.05	36,36,39	0.0	0.0	0.0	0,0,0
117	0.09	0.23	0.06	36,36,39	0.0	0.0	0.0	0,0,0
118	0.09	0.23	0.06	36,36,39	0.0	0.0	0.0	0,0,0
119	0.09	0.24	0.06	36,36,39	0.0	0.0	0.0	0,0,0
120	0.09	0.24	0.06	36,36,39	0.0	0.0	0.0	0,0,0
121	0.10	0.28	0.08	36,36,39	0.0	0.0	0.0	0,0,0
122	0.10	0.28	0.08	36,36,39	0.0	0.0	0.0	0,0,0
123	0.10	0.28	0.08	36,36,39	0.0	0.0	0.0	0,0,0
124	0.10	0.28	0.08	36,36,39	0.0	0.0	0.0	0,0,0
125	0.12	0.32	0.09	36,36,39	0.0	0.0	0.0	0,0,0
126	0.12	0.32	0.09	36,36,39	0.0	0.0	0.0	0,0,0
127	0.12	0.32	0.09	36,36,39	0.0	0.0	0.0	0,0,0
128	0.12	0.32	0.09	36,36,39	0.0	0.0	0.0	0,0,0
129	0.14	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
130	0.14	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
131	0.14	0.37	0.11	36,36,39	0.0	0.0	0.0	0,0,0
132	0.14	0.37	0.11	36,36,39	0.0	0.0	0.0	0,0,0
133	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
134	0.15	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
135	0.15	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
136	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
137	0.16	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
138	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
139	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
140	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
141	8.23e-03	0.01	7.02e-03	36,36,39	0.0	0.0	0.0	0,0,0
142	7.47e-03	0.01	6.48e-03	36,36,39	0.0	0.0	0.0	0,0,0
143	6.60e-03	0.01	5.89e-03	36,36,39	0.0	0.0	0.0	0,0,0
144	5.86e-03	0.01	5.39e-03	36,36,39	0.0	0.0	0.0	0,0,0
145	5.18e-03	0.01	4.94e-03	36,36,39	0.0	0.0	0.0	0,0,0
146	4.84e-03	0.01	4.50e-03	36,36,39	0.0	0.0	0.0	0,0,0
147	5.33e-03	0.01	4.73e-03	36,36,39	0.0	0.0	0.0	0,0,0
148	5.77e-03	0.01	5.09e-03	36,36,39	0.0	0.0	0.0	0,0,0
149	6.15e-03	0.01	5.40e-03	36,36,39	0.0	0.0	0.0	0,0,0
150	6.48e-03	0.02	5.67e-03	36,36,39	0.0	0.0	0.0	0,0,0
151	6.75e-03	0.02	5.90e-03	36,36,39	0.0	0.0	0.0	0,0,0
152	6.95e-03	0.02	6.07e-03	36,36,39	0.0	0.0	0.0	0,0,0
153	7.08e-03	0.02	6.18e-03	36,36,39	0.0	0.0	0.0	0,0,0
154	7.14e-03	0.02	6.24e-03	36,36,39	0.0	0.0	0.0	0,0,0
155	7.13e-03	0.02	6.23e-03	36,36,39	0.0	0.0	0.0	0,0,0
156	7.04e-03	0.02	6.17e-03	36,36,39	0.0	0.0	0.0	0,0,0
157	6.87e-03	0.02	6.04e-03	36,36,39	0.0	0.0	0.0	0,0,0
158	6.61e-03	0.01	5.84e-03	36,36,39	0.0	0.0	0.0	0,0,0
159	6.28e-03	0.01	5.57e-03	36,36,39	0.0	0.0	0.0	0,0,0
160	5.85e-03	0.01	5.24e-03	36,36,39	0.0	0.0	0.0	0,0,0
161	5.35e-03	0.01	4.83e-03	36,36,39	0.0	0.0	0.0	0,0,0
162	4.78e-03	0.01	4.36e-03	36,36,39	0.0	0.0	0.0	0,0,0
163	4.24e-03	0.01	3.83e-03	36,36,39	0.0	0.0	0.0	0,0,0
164	4.12e-03	0.01	3.26e-03	36,36,39	0.0	0.0	0.0	0,0,0
165	3.86e-03	0.01	2.79e-03	36,36,39	0.0	0.0	0.0	0,0,0
166	3.15e-03	0.01	2.29e-03	36,36,39	0.0	0.0	0.0	0,0,0
167	2.77e-03	0.02	2.03e-03	36,36,39	0.0	0.0	0.0	0,0,0
168	7.47e-03	0.03	6.26e-03	36,36,39	0.0	0.0	0.0	0,0,0
169	7.35e-03	0.03	5.60e-03	36,36,39	0.0	0.0	0.0	0,0,0
170	7.74e-03	0.03	5.92e-03	36,36,39	0.0	0.0	0.0	0,0,0
171	8.14e-03	0.03	6.26e-03	36,36,39	0.0	0.0	0.0	0,0,0
172	8.54e-03	0.03	6.60e-03	36,36,39	0.0	0.0	0.0	0,0,0
173	8.92e-03	0.03	7.09e-03	36,36,39	0.0	0.0	0.0	0,0,0
174	9.33e-03	0.03	7.54e-03	36,36,39	0.0	0.0	0.0	0,0,0
175	9.84e-03	0.03	7.96e-03	36,36,39	0.0	0.0	0.0	0,0,0
176	0.01	0.03	8.33e-03	36,36,39	0.0	0.0	0.0	0,0,0
177	0.01	0.03	8.65e-03	36,36,39	0.0	0.0	0.0	0,0,0
178	0.01	0.03	8.92e-03	36,36,39	0.0	0.0	0.0	0,0,0
179	0.01	0.03	9.13e-03	36,36,39	0.0	0.0	0.0	0,0,0
180	0.01	0.03	9.28e-03	36,36,39	0.0	0.0	0.0	0,0,0
181	0.01	0.03	9.38e-03	36,36,39	0.0	0.0	0.0	0,0,0
182	0.01	0.03	9.41e-03	36,36,39	0.0	0.0	0.0	0,0,0
183	0.01	0.03	9.38e-03	36,36,39	0.0	0.0	0.0	0,0,0
184	0.01	0.03	9.28e-03	36,36,39	0.0	0.0	0.0	0,0,0
185	0.01	0.03	9.12e-03	36,36,39	0.0	0.0	0.0	0,0,0
186	0.01	0.03	8.88e-03	36,36,39	0.0	0.0	0.0	0,0,0
187	0.01	0.03	8.56e-03	36,36,39	0.0	0.0	0.0	0,0,0
188	0.01	0.03	8.15e-03	36,36,39	0.0	0.0	0.0	0,0,0
189	9.97e-03	0.03	7.73e-03	36,36,39	0.0	0.0	0.0	0,0,0
190	9.57e-03	0.03	7.40e-03	36,36,39	0.0	0.0	0.0	0,0,0
191	9.06e-03	0.03	6.98e-03	36,36,39	0.0	0.0	0.0	0,0,0
192	8.75e-03	0.03	6.47e-03	36,36,39	0.0	0.0	0.0	0,0,0
193	8.34e-03	0.03	6.11e-03	36,36,39	0.0	0.0	0.0	0,0,0
194	8.28e-03	0.03	5.82e-03	36,36,39	0.0	0.0	0.0	0,0,0
195	0.01	0.05	9.28e-03	36,36,39	0.0	0.0	0.0	0,0,0
196	0.01	0.05	9.44e-03	36,36,39	0.0	0.0	0.0	0,0,0
197	0.01	0.05	9.80e-03	36,36,39	0.0	0.0	0.0	0,0,0
198	0.01	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
199	0.01	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
200	0.01	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
201	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
202	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
203	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
204	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
205	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
206	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
207	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
208	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
209	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
210	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
211	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
212	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
213	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
214	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
215	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
216	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
217	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
218	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
219	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
220	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
221	0.02	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
222	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
223	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
224	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
225	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
226	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
227	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
228	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
229	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
230	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
231	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
232	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
233	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
234	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
235	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
236	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
237	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
238	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
239	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
240	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
241	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
242	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
243	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
244	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
245	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
246	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
247	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
248	0.03	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
249	0.03	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
250	0.03	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
251	0.03	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
252	0.03	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
253	0.03	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
254	0.03	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
255	0.03	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
256	0.03	0.11	0.02	36,36,39	0.0	0.0	0.0	0,0,0
257	0.03	0.11	0.02	36,36,39	0.0	0.0	0.0	0,0,0
258	0.04	0.11	0.02	36,36,39	0.0	0.0	0.0	0,0,0
259	0.04	0.11	0.02	36,36,39	0.0	0.0	0.0	0,0,0
260	0.04	0.11	0.02	36,36,39	0.0	0.0	0.0	0,0,0
261	0.04	0.11	0.02	36,36,39	0.0	0.0	0.0	0,0,0
262	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
263	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
264	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
265	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
266	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
267	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
268	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
269	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
270	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
271	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
272	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
273	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
274	0.04	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
275	0.04	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
276	0.04	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
277	0.04	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
278	0.04	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
279	0.05	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
280	0.05	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
281	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
282	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
283	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
284	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
285	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
286	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
287	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
288	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
289	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
290	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
291	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
292	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
293	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
294	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
295	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
296	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
297	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
298	0.05	0.14	0.03	36,36,39	0.0	0.0	0.0	0,0,0
299	0.05	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
300	0.05	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
301	0.05	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
302	0.05	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
303	0.06	0.16	0.04	36,36,39	0.0	0.0	0.0	0,0,0
304	0.06	0.17	0.04	36,36,39	0.0	0.0	0.0	0,0,0
305	0.06	0.17	0.04	36,36,39	0.0	0.0	0.0	0,0,0
306	0.06	0.17	0.04	36,36,39	0.0	0.0	0.0	0,0,0
307	0.06	0.17	0.04	36,36,39	0.0	0.0	0.0	0,0,0
308	0.06	0.17	0.04	36,36,39	0.0	0.0	0.0	0,0,0
309	0.06	0.17	0.04	36,36,39	0.0	0.0	0.0	0,0,0
310	0.06	0.17	0.04	36,36,39	0.0	0.0	0.0	0,0,0
311	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
312	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
313	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
314	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
315	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
316	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
317	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
318	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
319	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
320	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
321	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
322	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
323	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
324	0.06	0.18	0.04	36,36,39	0.0	0.0	0.0	0,0,0
325	0.06	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
326	0.06	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
327	0.07	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
328	0.07	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
329	0.07	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
330	0.07	0.20	0.05	36,36,39	0.0	0.0	0.0	0,0,0
331	0.07	0.20	0.05	36,36,39	0.0	0.0	0.0	0,0,0
332	0.07	0.20	0.05	36,36,39	0.0	0.0	0.0	0,0,0
333	0.07	0.21	0.05	36,36,39	0.0	0.0	0.0	0,0,0
334	0.07	0.21	0.05	36,36,39	0.0	0.0	0.0	0,0,0
335	0.08	0.21	0.05	36,36,39	0.0	0.0	0.0	0,0,0
336	0.08	0.21	0.05	36,36,39	0.0	0.0	0.0	0,0,0
337	0.08	0.21	0.05	36,36,39	0.0	0.0	0.0	0,0,0
338	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
339	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
340	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
341	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
342	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
343	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
344	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
345	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
346	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
347	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
348	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
349	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
350	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
351	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
352	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
353	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
354	0.08	0.22	0.06	36,36,39	0.0	0.0	0.0	0,0,0
355	0.08	0.21	0.06	36,36,39	0.0	0.0	0.0	0,0,0
356	0.08	0.21	0.06	36,36,39	0.0	0.0	0.0	0,0,0
357	0.09	0.24	0.06	36,36,39	0.0	0.0	0.0	0,0,0
358	0.09	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
359	0.09	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
360	0.09	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
361	0.09	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
362	0.09	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
363	0.09	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
364	0.09	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
365	0.09	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
366	0.09	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
367	0.09	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
368	0.09	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
369	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
370	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
371	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
372	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
373	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
374	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
375	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
376	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
377	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
378	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
379	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
380	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
381	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
382	0.10	0.26	0.07	36,36,39	0.0	0.0	0.0	0,0,0
383	0.10	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
384	0.11	0.28	0.08	36,36,39	0.0	0.0	0.0	0,0,0
385	0.11	0.29	0.08	36,36,39	0.0	0.0	0.0	0,0,0
386	0.11	0.29	0.08	36,36,39	0.0	0.0	0.0	0,0,0
387	0.11	0.29	0.08	36,36,39	0.0	0.0	0.0	0,0,0
388	0.11	0.29	0.08	36,36,39	0.0	0.0	0.0	0,0,0
389	0.11	0.30	0.08	36,36,39	0.0	0.0	0.0	0,0,0
390	0.11	0.30	0.08	36,36,39	0.0	0.0	0.0	0,0,0
391	0.11	0.30	0.08	36,36,39	0.0	0.0	0.0	0,0,0
392	0.11	0.30	0.08	36,36,39	0.0	0.0	0.0	0,0,0
393	0.11	0.30	0.08	36,36,39	0.0	0.0	0.0	0,0,0
394	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
395	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
396	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
397	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
398	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
399	0.11	0.31	0.09	36,36,39	0.0	0.0	0.0	0,0,0
400	0.11	0.31	0.09	36,36,39	0.0	0.0	0.0	0,0,0
401	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
402	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
403	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
404	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
405	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
406	0.11	0.31	0.08	36,36,39	0.0	0.0	0.0	0,0,0
407	0.11	0.30	0.08	36,36,39	0.0	0.0	0.0	0,0,0
408	0.11	0.30	0.08	36,36,39	0.0	0.0	0.0	0,0,0
409	0.12	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
410	0.12	0.29	0.09	36,36,39	0.0	0.0	0.0	0,0,0
411	0.12	0.33	0.09	36,36,39	0.0	0.0	0.0	0,0,0
412	0.12	0.33	0.10	36,36,39	0.0	0.0	0.0	0,0,0
413	0.13	0.33	0.10	36,36,39	0.0	0.0	0.0	0,0,0
414	0.13	0.34	0.10	36,36,39	0.0	0.0	0.0	0,0,0
415	0.13	0.34	0.10	36,36,39	0.0	0.0	0.0	0,0,0
416	0.13	0.34	0.10	36,36,39	0.0	0.0	0.0	0,0,0
417	0.13	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
418	0.13	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
419	0.13	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
420	0.13	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
421	0.13	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
422	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
423	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
424	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
425	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
426	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
427	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
428	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
429	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
430	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
431	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
432	0.13	0.36	0.10	36,36,39	0.0	0.0	0.0	0,0,0
433	0.13	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
434	0.13	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
435	0.13	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
436	0.13	0.34	0.10	36,36,39	0.0	0.0	0.0	0,0,0
437	0.13	0.34	0.10	36,36,39	0.0	0.0	0.0	0,0,0
438	0.14	0.37	0.11	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
439	0.14	0.37	0.11	36,36,39	0.0	0.0	0.0	0,0,0
440	0.14	0.38	0.11	36,36,39	0.0	0.0	0.0	0,0,0
441	0.15	0.38	0.11	36,36,39	0.0	0.0	0.0	0,0,0
442	0.15	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
443	0.15	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
444	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
445	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
446	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
447	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
448	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
449	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
450	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
451	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
452	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
453	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
454	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
455	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
456	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
457	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
458	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
459	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
460	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
461	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
462	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
463	0.15	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
464	0.15	0.38	0.12	36,36,39	0.0	0.0	0.0	0,0,0
465	0.15	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
466	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
467	0.16	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
468	0.16	0.42	0.12	36,36,39	0.0	0.0	0.0	0,0,0
469	0.16	0.42	0.12	36,36,39	0.0	0.0	0.0	0,0,0
470	0.16	0.42	0.13	36,36,39	0.0	0.0	0.0	0,0,0
471	0.16	0.43	0.13	36,36,39	0.0	0.0	0.0	0,0,0
472	0.16	0.43	0.13	36,36,39	0.0	0.0	0.0	0,0,0
473	0.16	0.43	0.13	36,36,39	0.0	0.0	0.0	0,0,0
474	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
475	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
476	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
477	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
478	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
479	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
480	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
481	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
482	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
483	0.17	0.45	0.13	36,36,39	0.0	0.0	0.0	0,0,0
484	0.17	0.45	0.13	36,36,39	0.0	0.0	0.0	0,0,0
485	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
486	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
487	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
488	0.16	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
489	0.16	0.43	0.12	36,36,39	0.0	0.0	0.0	0,0,0
490	0.16	0.42	0.12	36,36,39	0.0	0.0	0.0	0,0,0
491	0.15	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
492	0.16	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
493	0.16	0.42	0.12	36,36,39	0.0	0.0	0.0	0,0,0
494	0.16	0.43	0.12	36,36,39	0.0	0.0	0.0	0,0,0
495	0.16	0.44	0.12	36,36,39	0.0	0.0	0.0	0,0,0
496	0.17	0.44	0.13	36,36,39	0.0	0.0	0.0	0,0,0
497	0.17	0.45	0.13	36,36,39	0.0	0.0	0.0	0,0,0
498	0.17	0.45	0.13	36,36,39	0.0	0.0	0.0	0,0,0
499	0.17	0.45	0.13	36,36,39	0.0	0.0	0.0	0,0,0
500	0.17	0.46	0.13	36,36,39	0.0	0.0	0.0	0,0,0
501	0.17	0.46	0.13	36,36,39	0.0	0.0	0.0	0,0,0
502	0.17	0.46	0.13	36,36,39	0.0	0.0	0.0	0,0,0
503	0.17	0.46	0.13	36,36,39	0.0	0.0	0.0	0,0,0
504	0.17	0.46	0.13	36,36,39	0.0	0.0	0.0	0,0,0
505	0.17	0.46	0.13	36,36,39	0.0	0.0	0.0	0,0,0
506	0.17	0.46	0.13	36,36,39	0.0	0.0	0.0	0,0,0
507	0.17	0.46	0.13	36,36,39	0.0	0.0	0.0	0,0,0
508	0.18	0.47	0.13	36,36,39	0.0	0.0	0.0	0,0,0
509	0.18	0.47	0.13	36,36,39	0.0	0.0	0.0	0,0,0
510	0.18	0.47	0.13	36,36,39	0.0	0.0	0.0	0,0,0
511	0.18	0.47	0.13	36,36,39	0.0	0.0	0.0	0,0,0
512	0.18	0.47	0.13	36,36,39	0.0	0.0	0.0	0,0,0
513	0.18	0.47	0.13	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
514	0.17	0.46	0.13	36,36,39	0.0	0.0	0.0	0,0,0
515	0.17	0.46	0.13	36,36,39	0.0	0.0	0.0	0,0,0
516	0.17	0.45	0.13	36,36,39	0.0	0.0	0.0	0,0,0
517	0.16	0.43	0.12	36,36,39	0.0	0.0	0.0	0,0,0
518	0.16	0.44	0.12	36,36,39	0.0	0.0	0.0	0,0,0
519	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
520	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
521	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
522	0.03	0.06	0.03	36,36,39	0.0	0.0	0.0	0,0,0
523	0.03	0.06	0.03	36,36,39	0.0	0.0	0.0	0,0,0
524	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
525	0.01	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
526	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
527	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
528	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
529	0.01	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
530	0.01	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
531	3.46e-03	6.51e-03	3.13e-03	36,36,39	0.0	0.0	0.0	0,0,0
532	4.00e-03	0.02	3.46e-03	36,36,39	0.0	0.0	0.0	0,0,0
533	4.79e-03	0.02	4.05e-03	36,36,39	0.0	0.0	0.0	0,0,0
534	5.35e-03	0.02	4.42e-03	36,36,39	0.0	0.0	0.0	0,0,0
535	5.39e-03	0.03	4.52e-03	36,36,39	0.0	0.0	0.0	0,0,0
536	5.27e-03	0.03	4.46e-03	36,36,39	0.0	0.0	0.0	0,0,0
537	0.02	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
538	0.02	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
539	0.02	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
540	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
541	0.01	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
542	0.01	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
543	0.01	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
544	0.01	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
545	5.13e-03	0.03	4.37e-03	36,36,39	0.0	0.0	0.0	0,0,0
546	5.88e-03	0.03	5.02e-03	36,36,39	0.0	0.0	0.0	0,0,0
547	7.25e-03	0.03	6.07e-03	36,36,39	0.0	0.0	0.0	0,0,0
548	8.28e-03	0.03	6.80e-03	36,36,39	0.0	0.0	0.0	0,0,0
549	0.03	0.06	0.03	36,36,39	0.0	0.0	0.0	0,0,0
550	0.03	0.06	0.03	36,36,39	0.0	0.0	0.0	0,0,0
551	0.03	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
552	0.04	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
553	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
554	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
555	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
556	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
557	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
558	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
559	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
560	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
561	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
562	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
563	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
564	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
565	0.03	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
566	0.03	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
567	0.03	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
568	0.03	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
569	0.03	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
570	0.04	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
571	0.04	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
572	0.04	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
573	0.04	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
574	0.04	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
575	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
576	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
577	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
578	0.02	0.04	0.02	36,36,39	0.0	0.0	0.0	0,0,0
579	0.02	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
580	0.02	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
581	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
582	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
583	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
584	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
585	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
586	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
587	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
588	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
589	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
590	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
591	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
592	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
593	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
594	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
595	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
596	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
597	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
598	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
599	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
600	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
601	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
602	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
603	8.85e-03	0.04	7.19e-03	36,36,39	0.0	0.0	0.0	0,0,0
604	9.50e-03	0.04	7.69e-03	36,36,39	0.0	0.0	0.0	0,0,0
605	0.01	0.04	8.82e-03	36,36,39	0.0	0.0	0.0	0,0,0
606	0.01	0.04	9.80e-03	36,36,39	0.0	0.0	0.0	0,0,0
607	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
608	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
609	0.01	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
610	0.01	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
611	0.01	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
612	0.01	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
613	0.01	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
614	0.01	0.05	0.01	36,36,39	0.0	0.0	0.0	0,0,0
615	0.01	0.05	9.83e-03	36,36,39	0.0	0.0	0.0	0,0,0
616	0.01	0.05	9.50e-03	36,36,39	0.0	0.0	0.0	0,0,0
617	0.01	0.05	9.18e-03	36,36,39	0.0	0.0	0.0	0,0,0
618	0.01	0.05	8.88e-03	36,36,39	0.0	0.0	0.0	0,0,0
619	0.01	0.05	8.59e-03	36,36,39	0.0	0.0	0.0	0,0,0
620	9.98e-03	0.05	8.33e-03	36,36,39	0.0	0.0	0.0	0,0,0
621	9.66e-03	0.06	8.08e-03	36,36,39	0.0	0.0	0.0	0,0,0
622	9.34e-03	0.06	7.82e-03	36,36,39	0.0	0.0	0.0	0,0,0
623	8.98e-03	0.07	7.55e-03	36,36,39	0.0	0.0	0.0	0,0,0
624	8.55e-03	0.07	7.23e-03	36,36,39	0.0	0.0	0.0	0,0,0
625	7.98e-03	0.07	6.81e-03	36,36,39	0.0	0.0	0.0	0,0,0
626	7.17e-03	0.06	6.21e-03	36,36,39	0.0	0.0	0.0	0,0,0
627	6.09e-03	0.05	5.41e-03	36,36,39	0.0	0.0	0.0	0,0,0
628	4.96e-03	0.04	4.50e-03	36,36,39	0.0	0.0	0.0	0,0,0
629	4.13e-03	0.02	3.77e-03	36,36,39	0.0	0.0	0.0	0,0,0
Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.18	0.47	0.13		0.0	0.0	0.0	

9.2 CONCIO M – TABULATI DI CALCOLO

9.2.1 Modellazione delle sezioni

LEGENDA TABELLA DATI SEZIONI

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

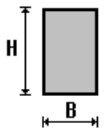
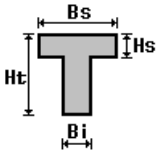
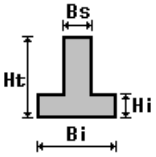
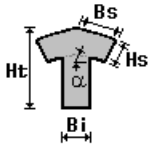
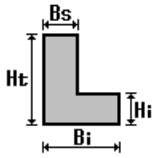
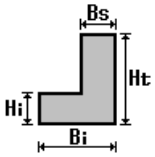
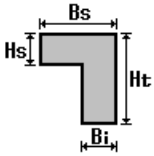
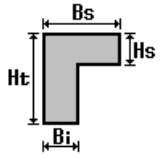
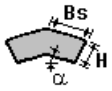
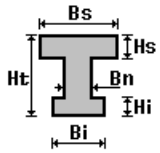
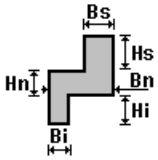
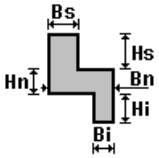
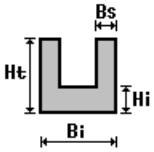
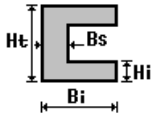
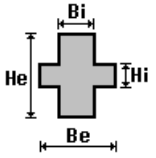
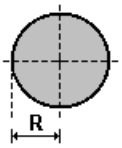
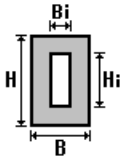
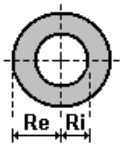
4. sezione di tipo generico
5. profilati semplici
6. profilati accoppiati e speciali

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

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2

J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

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

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

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

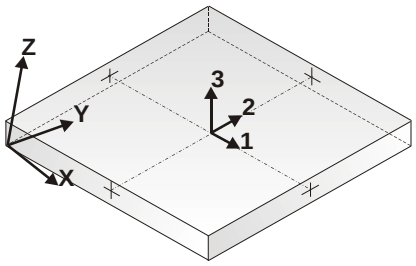
Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

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

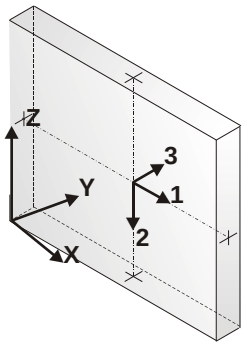
9.2.2 Modellazione struttura: Elemento Shell

LEGENDA TABELLA DATI SHELL

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



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

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

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
								cm		daN/cm3	daN/cm3
1	Guscio fond.	27	3	25	26	3	1	75.0		0.30	0.15
2	Guscio fond.	26	25	21	28	3	1	75.0		0.30	0.15
3	Guscio fond.	30	27	26	29	3	1	75.0		0.30	0.15
4	Guscio fond.	29	26	28	31	3	1	75.0		0.30	0.15
5	Guscio fond.	33	30	29	32	3	1	75.0		0.30	0.15
6	Guscio fond.	32	29	31	34	3	1	75.0		0.30	0.15
7	Guscio fond.	36	33	32	35	3	1	75.0		0.30	0.15
8	Guscio fond.	35	32	34	37	3	1	75.0		0.30	0.15
9	Guscio fond.	39	36	35	38	3	1	75.0		0.30	0.15
10	Guscio fond.	38	35	37	40	3	1	75.0		0.30	0.15
11	Guscio fond.	42	39	38	41	3	1	75.0		0.30	0.15
12	Guscio fond.	41	38	40	43	3	1	75.0		0.30	0.15
13	Guscio fond.	45	42	41	44	3	1	75.0		0.30	0.15
14	Guscio fond.	44	41	43	46	3	1	75.0		0.30	0.15
15	Guscio fond.	48	45	44	47	3	1	75.0		0.30	0.15
16	Guscio fond.	47	44	46	49	3	1	75.0		0.30	0.15
17	Guscio fond.	51	48	47	50	3	1	75.0		0.30	0.15
18	Guscio fond.	50	47	49	52	3	1	75.0		0.30	0.15
19	Guscio fond.	54	51	50	53	3	1	75.0		0.30	0.15
20	Guscio fond.	53	50	52	55	3	1	75.0		0.30	0.15
21	Guscio fond.	57	54	53	56	3	1	75.0		0.30	0.15
22	Guscio fond.	56	53	55	58	3	1	75.0		0.30	0.15
23	Guscio fond.	60	57	56	59	3	1	75.0		0.30	0.15
24	Guscio fond.	59	56	58	61	3	1	75.0		0.30	0.15
25	Guscio fond.	63	60	59	62	3	1	75.0		0.30	0.15
26	Guscio fond.	62	59	61	64	3	1	75.0		0.30	0.15
27	Guscio fond.	66	63	62	65	3	1	75.0		0.30	0.15
28	Guscio fond.	65	62	64	67	3	1	75.0		0.30	0.15
29	Guscio fond.	5	66	65	68	3	1	75.0		0.30	0.15
30	Guscio fond.	68	65	67	12	3	1	75.0		0.30	0.15
31	Guscio fond.	70	5	68	69	3	1	75.0		0.30	0.15
32	Guscio fond.	69	68	12	71	3	1	75.0		0.30	0.15
33	Guscio fond.	73	70	69	72	3	1	75.0		0.30	0.15
34	Guscio fond.	72	69	71	74	3	1	75.0		0.30	0.15
35	Guscio fond.	76	73	72	75	3	1	75.0		0.30	0.15
36	Guscio fond.	75	72	74	77	3	1	75.0		0.30	0.15
37	Guscio fond.	1	76	75	78	3	1	75.0		0.30	0.15
38	Guscio fond.	78	75	77	19	3	1	75.0		0.30	0.15
39	Guscio fond.	28	21	79	80	3	1	75.0		0.30	0.15
40	Guscio fond.	80	79	81	82	3	1	75.0		0.30	0.15
41	Guscio fond.	82	81	83	84	3	1	75.0		0.30	0.15
42	Guscio fond.	84	83	22	85	3	1	75.0		0.30	0.15
43	Guscio fond.	31	28	80	86	3	1	75.0		0.30	0.15
44	Guscio fond.	86	80	82	87	3	1	75.0		0.30	0.15
45	Guscio fond.	87	82	84	88	3	1	75.0		0.30	0.15
46	Guscio fond.	88	84	85	89	3	1	75.0		0.30	0.15
47	Guscio fond.	34	31	86	90	3	1	75.0		0.30	0.15
48	Guscio fond.	90	86	87	91	3	1	75.0		0.30	0.15
49	Guscio fond.	91	87	88	92	3	1	75.0		0.30	0.15
50	Guscio fond.	92	88	89	93	3	1	75.0		0.30	0.15
51	Guscio fond.	37	34	90	94	3	1	75.0		0.30	0.15
52	Guscio fond.	94	90	91	95	3	1	75.0		0.30	0.15
53	Guscio fond.	95	91	92	96	3	1	75.0		0.30	0.15
54	Guscio fond.	96	92	93	97	3	1	75.0		0.30	0.15
55	Guscio fond.	40	37	94	98	3	1	75.0		0.30	0.15
56	Guscio fond.	98	94	95	99	3	1	75.0		0.30	0.15
57	Guscio fond.	99	95	96	100	3	1	75.0		0.30	0.15
58	Guscio fond.	100	96	97	101	3	1	75.0		0.30	0.15
59	Guscio fond.	43	40	98	102	3	1	75.0		0.30	0.15
60	Guscio fond.	102	98	99	103	3	1	75.0		0.30	0.15
61	Guscio fond.	103	99	100	104	3	1	75.0		0.30	0.15
62	Guscio fond.	104	100	101	105	3	1	75.0		0.30	0.15
63	Guscio fond.	46	43	102	106	3	1	75.0		0.30	0.15
64	Guscio fond.	106	102	103	107	3	1	75.0		0.30	0.15
65	Guscio fond.	107	103	104	108	3	1	75.0		0.30	0.15
66	Guscio fond.	108	104	105	109	3	1	75.0		0.30	0.15
67	Guscio fond.	49	46	106	110	3	1	75.0		0.30	0.15
68	Guscio fond.	110	106	107	111	3	1	75.0		0.30	0.15
69	Guscio fond.	111	107	108	112	3	1	75.0		0.30	0.15
70	Guscio fond.	112	108	109	113	3	1	75.0		0.30	0.15
71	Guscio fond.	52	49	110	114	3	1	75.0		0.30	0.15
72	Guscio fond.	114	110	111	115	3	1	75.0		0.30	0.15
73	Guscio fond.	115	111	112	116	3	1	75.0		0.30	0.15

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
74	Guscio fond.	116	112	113	117	3	1	75.0		0.30	0.15
75	Guscio fond.	55	52	114	118	3	1	75.0		0.30	0.15
76	Guscio fond.	118	114	115	119	3	1	75.0		0.30	0.15
77	Guscio fond.	119	115	116	120	3	1	75.0		0.30	0.15
78	Guscio fond.	120	116	117	121	3	1	75.0		0.30	0.15
79	Guscio fond.	58	55	118	122	3	1	75.0		0.30	0.15
80	Guscio fond.	122	118	119	123	3	1	75.0		0.30	0.15
81	Guscio fond.	123	119	120	124	3	1	75.0		0.30	0.15
82	Guscio fond.	124	120	121	125	3	1	75.0		0.30	0.15
83	Guscio fond.	61	58	122	126	3	1	75.0		0.30	0.15
84	Guscio fond.	126	122	123	127	3	1	75.0		0.30	0.15
85	Guscio fond.	127	123	124	128	3	1	75.0		0.30	0.15
86	Guscio fond.	128	124	125	129	3	1	75.0		0.30	0.15
87	Guscio fond.	64	61	126	130	3	1	75.0		0.30	0.15
88	Guscio fond.	130	126	127	131	3	1	75.0		0.30	0.15
89	Guscio fond.	131	127	128	132	3	1	75.0		0.30	0.15
90	Guscio fond.	132	128	129	133	3	1	75.0		0.30	0.15
91	Guscio fond.	67	64	130	134	3	1	75.0		0.30	0.15
92	Guscio fond.	134	130	131	135	3	1	75.0		0.30	0.15
93	Guscio fond.	135	131	132	136	3	1	75.0		0.30	0.15
94	Guscio fond.	136	132	133	137	3	1	75.0		0.30	0.15
95	Guscio fond.	12	67	134	138	3	1	75.0		0.30	0.15
96	Guscio fond.	138	134	135	139	3	1	75.0		0.30	0.15
97	Guscio fond.	139	135	136	140	3	1	75.0		0.30	0.15
98	Guscio fond.	140	136	137	14	3	1	75.0		0.30	0.15
99	Guscio fond.	71	12	138	141	3	1	75.0		0.30	0.15
100	Guscio fond.	141	138	139	142	3	1	75.0		0.30	0.15
101	Guscio fond.	142	139	140	143	3	1	75.0		0.30	0.15
102	Guscio fond.	143	140	14	144	3	1	75.0		0.30	0.15
103	Guscio fond.	74	71	141	145	3	1	75.0		0.30	0.15
104	Guscio fond.	145	141	142	146	3	1	75.0		0.30	0.15
105	Guscio fond.	146	142	143	147	3	1	75.0		0.30	0.15
106	Guscio fond.	147	143	144	148	3	1	75.0		0.30	0.15
107	Guscio fond.	77	74	145	149	3	1	75.0		0.30	0.15
108	Guscio fond.	149	145	146	150	3	1	75.0		0.30	0.15
109	Guscio fond.	150	146	147	151	3	1	75.0		0.30	0.15
110	Guscio fond.	151	147	148	152	3	1	75.0		0.30	0.15
111	Guscio fond.	19	77	149	153	3	1	75.0		0.30	0.15
112	Guscio fond.	153	149	150	154	3	1	75.0		0.30	0.15
113	Guscio fond.	154	150	151	155	3	1	75.0		0.30	0.15
114	Guscio fond.	155	151	152	20	3	1	75.0		0.30	0.15
115	Guscio fond.	85	22	156	157	3	1	75.0		0.30	0.15
116	Guscio fond.	157	156	158	159	3	1	75.0		0.30	0.15
117	Guscio fond.	159	158	160	161	3	1	75.0		0.30	0.15
118	Guscio fond.	161	160	162	163	3	1	75.0		0.30	0.15
119	Guscio fond.	163	162	164	165	3	1	75.0		0.30	0.15
120	Guscio fond.	165	164	166	167	3	1	75.0		0.30	0.15
121	Guscio fond.	167	166	168	169	3	1	75.0		0.30	0.15
122	Guscio fond.	169	168	170	171	3	1	75.0		0.30	0.15
123	Guscio fond.	171	170	172	173	3	1	75.0		0.30	0.15
124	Guscio fond.	173	172	174	175	3	1	75.0		0.30	0.15
125	Guscio fond.	175	174	176	177	3	1	75.0		0.30	0.15
126	Guscio fond.	177	176	178	179	3	1	75.0		0.30	0.15
127	Guscio fond.	179	178	180	181	3	1	75.0		0.30	0.15
128	Guscio fond.	181	180	182	183	3	1	75.0		0.30	0.15
129	Guscio fond.	183	182	184	185	3	1	75.0		0.30	0.15
130	Guscio fond.	185	184	186	187	3	1	75.0		0.30	0.15
131	Guscio fond.	187	186	188	189	3	1	75.0		0.30	0.15
132	Guscio fond.	189	188	190	191	3	1	75.0		0.30	0.15
133	Guscio fond.	191	190	192	193	3	1	75.0		0.30	0.15
134	Guscio fond.	193	192	194	195	3	1	75.0		0.30	0.15
135	Guscio fond.	195	194	196	197	3	1	75.0		0.30	0.15
136	Guscio fond.	197	196	198	199	3	1	75.0		0.30	0.15
137	Guscio fond.	199	198	200	201	3	1	75.0		0.30	0.15
138	Guscio fond.	201	200	202	203	3	1	75.0		0.30	0.15
139	Guscio fond.	203	202	204	205	3	1	75.0		0.30	0.15
140	Guscio fond.	205	204	206	207	3	1	75.0		0.30	0.15
141	Guscio fond.	207	206	208	209	3	1	75.0		0.30	0.15
142	Guscio fond.	209	208	210	211	3	1	75.0		0.30	0.15
143	Guscio fond.	211	210	212	213	3	1	75.0		0.30	0.15
144	Guscio fond.	213	212	214	215	3	1	75.0		0.30	0.15
145	Guscio fond.	215	214	4	216	3	1	75.0		0.30	0.15
146	Guscio fond.	89	85	157	217	3	1	75.0		0.30	0.15
147	Guscio fond.	217	157	159	218	3	1	75.0		0.30	0.15
148	Guscio fond.	218	159	161	219	3	1	75.0		0.30	0.15

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
149	Guscio fond.	219	161	163	220	3	1	75.0		0.30	0.15
150	Guscio fond.	220	163	165	221	3	1	75.0		0.30	0.15
151	Guscio fond.	221	165	167	222	3	1	75.0		0.30	0.15
152	Guscio fond.	222	167	169	223	3	1	75.0		0.30	0.15
153	Guscio fond.	223	169	171	224	3	1	75.0		0.30	0.15
154	Guscio fond.	224	171	173	225	3	1	75.0		0.30	0.15
155	Guscio fond.	225	173	175	226	3	1	75.0		0.30	0.15
156	Guscio fond.	226	175	177	227	3	1	75.0		0.30	0.15
157	Guscio fond.	227	177	179	228	3	1	75.0		0.30	0.15
158	Guscio fond.	228	179	181	229	3	1	75.0		0.30	0.15
159	Guscio fond.	229	181	183	230	3	1	75.0		0.30	0.15
160	Guscio fond.	230	183	185	231	3	1	75.0		0.30	0.15
161	Guscio fond.	231	185	187	232	3	1	75.0		0.30	0.15
162	Guscio fond.	232	187	189	233	3	1	75.0		0.30	0.15
163	Guscio fond.	233	189	191	234	3	1	75.0		0.30	0.15
164	Guscio fond.	234	191	193	235	3	1	75.0		0.30	0.15
165	Guscio fond.	235	193	195	236	3	1	75.0		0.30	0.15
166	Guscio fond.	236	195	197	237	3	1	75.0		0.30	0.15
167	Guscio fond.	237	197	199	238	3	1	75.0		0.30	0.15
168	Guscio fond.	238	199	201	239	3	1	75.0		0.30	0.15
169	Guscio fond.	239	201	203	240	3	1	75.0		0.30	0.15
170	Guscio fond.	240	203	205	241	3	1	75.0		0.30	0.15
171	Guscio fond.	241	205	207	242	3	1	75.0		0.30	0.15
172	Guscio fond.	242	207	209	243	3	1	75.0		0.30	0.15
173	Guscio fond.	243	209	211	244	3	1	75.0		0.30	0.15
174	Guscio fond.	244	211	213	245	3	1	75.0		0.30	0.15
175	Guscio fond.	245	213	215	246	3	1	75.0		0.30	0.15
176	Guscio fond.	246	215	216	247	3	1	75.0		0.30	0.15
177	Guscio fond.	93	89	217	248	3	1	75.0		0.30	0.15
178	Guscio fond.	248	217	218	249	3	1	75.0		0.30	0.15
179	Guscio fond.	249	218	219	250	3	1	75.0		0.30	0.15
180	Guscio fond.	250	219	220	251	3	1	75.0		0.30	0.15
181	Guscio fond.	251	220	221	252	3	1	75.0		0.30	0.15
182	Guscio fond.	252	221	222	253	3	1	75.0		0.30	0.15
183	Guscio fond.	253	222	223	254	3	1	75.0		0.30	0.15
184	Guscio fond.	254	223	224	255	3	1	75.0		0.30	0.15
185	Guscio fond.	255	224	225	256	3	1	75.0		0.30	0.15
186	Guscio fond.	256	225	226	257	3	1	75.0		0.30	0.15
187	Guscio fond.	257	226	227	258	3	1	75.0		0.30	0.15
188	Guscio fond.	258	227	228	259	3	1	75.0		0.30	0.15
189	Guscio fond.	259	228	229	260	3	1	75.0		0.30	0.15
190	Guscio fond.	260	229	230	261	3	1	75.0		0.30	0.15
191	Guscio fond.	261	230	231	262	3	1	75.0		0.30	0.15
192	Guscio fond.	262	231	232	263	3	1	75.0		0.30	0.15
193	Guscio fond.	263	232	233	264	3	1	75.0		0.30	0.15
194	Guscio fond.	264	233	234	265	3	1	75.0		0.30	0.15
195	Guscio fond.	265	234	235	266	3	1	75.0		0.30	0.15
196	Guscio fond.	266	235	236	267	3	1	75.0		0.30	0.15
197	Guscio fond.	267	236	237	268	3	1	75.0		0.30	0.15
198	Guscio fond.	268	237	238	269	3	1	75.0		0.30	0.15
199	Guscio fond.	269	238	239	270	3	1	75.0		0.30	0.15
200	Guscio fond.	270	239	240	271	3	1	75.0		0.30	0.15
201	Guscio fond.	271	240	241	272	3	1	75.0		0.30	0.15
202	Guscio fond.	272	241	242	273	3	1	75.0		0.30	0.15
203	Guscio fond.	273	242	243	274	3	1	75.0		0.30	0.15
204	Guscio fond.	274	243	244	275	3	1	75.0		0.30	0.15
205	Guscio fond.	275	244	245	276	3	1	75.0		0.30	0.15
206	Guscio fond.	276	245	246	277	3	1	75.0		0.30	0.15
207	Guscio fond.	277	246	247	278	3	1	75.0		0.30	0.15
208	Guscio fond.	97	93	248	279	3	1	75.0		0.30	0.15
209	Guscio fond.	279	248	249	280	3	1	75.0		0.30	0.15
210	Guscio fond.	280	249	250	281	3	1	75.0		0.30	0.15
211	Guscio fond.	281	250	251	282	3	1	75.0		0.30	0.15
212	Guscio fond.	282	251	252	283	3	1	75.0		0.30	0.15
213	Guscio fond.	283	252	253	284	3	1	75.0		0.30	0.15
214	Guscio fond.	284	253	254	285	3	1	75.0		0.30	0.15
215	Guscio fond.	285	254	255	286	3	1	75.0		0.30	0.15
216	Guscio fond.	286	255	256	287	3	1	75.0		0.30	0.15
217	Guscio fond.	287	256	257	288	3	1	75.0		0.30	0.15
218	Guscio fond.	288	257	258	289	3	1	75.0		0.30	0.15
219	Guscio fond.	289	258	259	290	3	1	75.0		0.30	0.15
220	Guscio fond.	290	259	260	291	3	1	75.0		0.30	0.15
221	Guscio fond.	291	260	261	292	3	1	75.0		0.30	0.15
222	Guscio fond.	292	261	262	293	3	1	75.0		0.30	0.15
223	Guscio fond.	293	262	263	294	3	1	75.0		0.30	0.15

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
224	Guscio fond.	294	263	264	295	3	1	75.0		0.30	0.15
225	Guscio fond.	295	264	265	296	3	1	75.0		0.30	0.15
226	Guscio fond.	296	265	266	297	3	1	75.0		0.30	0.15
227	Guscio fond.	297	266	267	298	3	1	75.0		0.30	0.15
228	Guscio fond.	298	267	268	299	3	1	75.0		0.30	0.15
229	Guscio fond.	299	268	269	300	3	1	75.0		0.30	0.15
230	Guscio fond.	300	269	270	301	3	1	75.0		0.30	0.15
231	Guscio fond.	301	270	271	302	3	1	75.0		0.30	0.15
232	Guscio fond.	302	271	272	303	3	1	75.0		0.30	0.15
233	Guscio fond.	303	272	273	304	3	1	75.0		0.30	0.15
234	Guscio fond.	304	273	274	305	3	1	75.0		0.30	0.15
235	Guscio fond.	305	274	275	306	3	1	75.0		0.30	0.15
236	Guscio fond.	306	275	276	307	3	1	75.0		0.30	0.15
237	Guscio fond.	307	276	277	308	3	1	75.0		0.30	0.15
238	Guscio fond.	308	277	278	309	3	1	75.0		0.30	0.15
239	Guscio fond.	101	97	279	310	3	1	75.0		0.30	0.15
240	Guscio fond.	310	279	280	311	3	1	75.0		0.30	0.15
241	Guscio fond.	311	280	281	312	3	1	75.0		0.30	0.15
242	Guscio fond.	312	281	282	313	3	1	75.0		0.30	0.15
243	Guscio fond.	313	282	283	314	3	1	75.0		0.30	0.15
244	Guscio fond.	314	283	284	315	3	1	75.0		0.30	0.15
245	Guscio fond.	315	284	285	316	3	1	75.0		0.30	0.15
246	Guscio fond.	316	285	286	317	3	1	75.0		0.30	0.15
247	Guscio fond.	317	286	287	318	3	1	75.0		0.30	0.15
248	Guscio fond.	318	287	288	319	3	1	75.0		0.30	0.15
249	Guscio fond.	319	288	289	320	3	1	75.0		0.30	0.15
250	Guscio fond.	320	289	290	321	3	1	75.0		0.30	0.15
251	Guscio fond.	321	290	291	322	3	1	75.0		0.30	0.15
252	Guscio fond.	322	291	292	323	3	1	75.0		0.30	0.15
253	Guscio fond.	323	292	293	324	3	1	75.0		0.30	0.15
254	Guscio fond.	324	293	294	325	3	1	75.0		0.30	0.15
255	Guscio fond.	325	294	295	326	3	1	75.0		0.30	0.15
256	Guscio fond.	326	295	296	327	3	1	75.0		0.30	0.15
257	Guscio fond.	327	296	297	328	3	1	75.0		0.30	0.15
258	Guscio fond.	328	297	298	329	3	1	75.0		0.30	0.15
259	Guscio fond.	329	298	299	330	3	1	75.0		0.30	0.15
260	Guscio fond.	330	299	300	331	3	1	75.0		0.30	0.15
261	Guscio fond.	331	300	301	332	3	1	75.0		0.30	0.15
262	Guscio fond.	332	301	302	333	3	1	75.0		0.30	0.15
263	Guscio fond.	333	302	303	334	3	1	75.0		0.30	0.15
264	Guscio fond.	334	303	304	335	3	1	75.0		0.30	0.15
265	Guscio fond.	335	304	305	336	3	1	75.0		0.30	0.15
266	Guscio fond.	336	305	306	337	3	1	75.0		0.30	0.15
267	Guscio fond.	337	306	307	338	3	1	75.0		0.30	0.15
268	Guscio fond.	338	307	308	339	3	1	75.0		0.30	0.15
269	Guscio fond.	339	308	309	340	3	1	75.0		0.30	0.15
270	Guscio fond.	105	101	310	341	3	1	75.0		0.30	0.15
271	Guscio fond.	341	310	311	342	3	1	75.0		0.30	0.15
272	Guscio fond.	342	311	312	343	3	1	75.0		0.30	0.15
273	Guscio fond.	343	312	313	344	3	1	75.0		0.30	0.15
274	Guscio fond.	344	313	314	345	3	1	75.0		0.30	0.15
275	Guscio fond.	345	314	315	346	3	1	75.0		0.30	0.15
276	Guscio fond.	346	315	316	347	3	1	75.0		0.30	0.15
277	Guscio fond.	347	316	317	348	3	1	75.0		0.30	0.15
278	Guscio fond.	348	317	318	349	3	1	75.0		0.30	0.15
279	Guscio fond.	349	318	319	350	3	1	75.0		0.30	0.15
280	Guscio fond.	350	319	320	351	3	1	75.0		0.30	0.15
281	Guscio fond.	351	320	321	352	3	1	75.0		0.30	0.15
282	Guscio fond.	352	321	322	353	3	1	75.0		0.30	0.15
283	Guscio fond.	353	322	323	354	3	1	75.0		0.30	0.15
284	Guscio fond.	354	323	324	355	3	1	75.0		0.30	0.15
285	Guscio fond.	355	324	325	356	3	1	75.0		0.30	0.15
286	Guscio fond.	356	325	326	357	3	1	75.0		0.30	0.15
287	Guscio fond.	357	326	327	358	3	1	75.0		0.30	0.15
288	Guscio fond.	358	327	328	359	3	1	75.0		0.30	0.15
289	Guscio fond.	359	328	329	360	3	1	75.0		0.30	0.15
290	Guscio fond.	360	329	330	361	3	1	75.0		0.30	0.15
291	Guscio fond.	361	330	331	362	3	1	75.0		0.30	0.15
292	Guscio fond.	362	331	332	363	3	1	75.0		0.30	0.15
293	Guscio fond.	363	332	333	364	3	1	75.0		0.30	0.15
294	Guscio fond.	364	333	334	365	3	1	75.0		0.30	0.15
295	Guscio fond.	365	334	335	366	3	1	75.0		0.30	0.15
296	Guscio fond.	366	335	336	367	3	1	75.0		0.30	0.15
297	Guscio fond.	367	336	337	368	3	1	75.0		0.30	0.15
298	Guscio fond.	368	337	338	369	3	1	75.0		0.30	0.15

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
299	Guscio fond.	369	338	339	370	3	1	75.0		0.30	0.15
300	Guscio fond.	370	339	340	371	3	1	75.0		0.30	0.15
301	Guscio fond.	109	105	341	372	3	1	75.0		0.30	0.15
302	Guscio fond.	372	341	342	373	3	1	75.0		0.30	0.15
303	Guscio fond.	373	342	343	374	3	1	75.0		0.30	0.15
304	Guscio fond.	374	343	344	375	3	1	75.0		0.30	0.15
305	Guscio fond.	375	344	345	376	3	1	75.0		0.30	0.15
306	Guscio fond.	376	345	346	377	3	1	75.0		0.30	0.15
307	Guscio fond.	377	346	347	378	3	1	75.0		0.30	0.15
308	Guscio fond.	378	347	348	379	3	1	75.0		0.30	0.15
309	Guscio fond.	379	348	349	380	3	1	75.0		0.30	0.15
310	Guscio fond.	380	349	350	381	3	1	75.0		0.30	0.15
311	Guscio fond.	381	350	351	382	3	1	75.0		0.30	0.15
312	Guscio fond.	382	351	352	383	3	1	75.0		0.30	0.15
313	Guscio fond.	383	352	353	384	3	1	75.0		0.30	0.15
314	Guscio fond.	384	353	354	385	3	1	75.0		0.30	0.15
315	Guscio fond.	385	354	355	386	3	1	75.0		0.30	0.15
316	Guscio fond.	386	355	356	387	3	1	75.0		0.30	0.15
317	Guscio fond.	387	356	357	388	3	1	75.0		0.30	0.15
318	Guscio fond.	388	357	358	389	3	1	75.0		0.30	0.15
319	Guscio fond.	389	358	359	390	3	1	75.0		0.30	0.15
320	Guscio fond.	390	359	360	391	3	1	75.0		0.30	0.15
321	Guscio fond.	391	360	361	392	3	1	75.0		0.30	0.15
322	Guscio fond.	392	361	362	393	3	1	75.0		0.30	0.15
323	Guscio fond.	393	362	363	394	3	1	75.0		0.30	0.15
324	Guscio fond.	394	363	364	395	3	1	75.0		0.30	0.15
325	Guscio fond.	395	364	365	396	3	1	75.0		0.30	0.15
326	Guscio fond.	396	365	366	397	3	1	75.0		0.30	0.15
327	Guscio fond.	397	366	367	398	3	1	75.0		0.30	0.15
328	Guscio fond.	398	367	368	399	3	1	75.0		0.30	0.15
329	Guscio fond.	399	368	369	400	3	1	75.0		0.30	0.15
330	Guscio fond.	400	369	370	401	3	1	75.0		0.30	0.15
331	Guscio fond.	401	370	371	402	3	1	75.0		0.30	0.15
332	Guscio fond.	113	109	372	403	3	1	75.0		0.30	0.15
333	Guscio fond.	403	372	373	404	3	1	75.0		0.30	0.15
334	Guscio fond.	404	373	374	405	3	1	75.0		0.30	0.15
335	Guscio fond.	405	374	375	406	3	1	75.0		0.30	0.15
336	Guscio fond.	406	375	376	407	3	1	75.0		0.30	0.15
337	Guscio fond.	407	376	377	408	3	1	75.0		0.30	0.15
338	Guscio fond.	408	377	378	409	3	1	75.0		0.30	0.15
339	Guscio fond.	409	378	379	410	3	1	75.0		0.30	0.15
340	Guscio fond.	410	379	380	411	3	1	75.0		0.30	0.15
341	Guscio fond.	411	380	381	412	3	1	75.0		0.30	0.15
342	Guscio fond.	412	381	382	413	3	1	75.0		0.30	0.15
343	Guscio fond.	413	382	383	414	3	1	75.0		0.30	0.15
344	Guscio fond.	414	383	384	415	3	1	75.0		0.30	0.15
345	Guscio fond.	415	384	385	416	3	1	75.0		0.30	0.15
346	Guscio fond.	416	385	386	417	3	1	75.0		0.30	0.15
347	Guscio fond.	417	386	387	418	3	1	75.0		0.30	0.15
348	Guscio fond.	418	387	388	419	3	1	75.0		0.30	0.15
349	Guscio fond.	419	388	389	420	3	1	75.0		0.30	0.15
350	Guscio fond.	420	389	390	421	3	1	75.0		0.30	0.15
351	Guscio fond.	421	390	391	422	3	1	75.0		0.30	0.15
352	Guscio fond.	422	391	392	423	3	1	75.0		0.30	0.15
353	Guscio fond.	423	392	393	424	3	1	75.0		0.30	0.15
354	Guscio fond.	424	393	394	425	3	1	75.0		0.30	0.15
355	Guscio fond.	425	394	395	426	3	1	75.0		0.30	0.15
356	Guscio fond.	426	395	396	427	3	1	75.0		0.30	0.15
357	Guscio fond.	427	396	397	428	3	1	75.0		0.30	0.15
358	Guscio fond.	428	397	398	429	3	1	75.0		0.30	0.15
359	Guscio fond.	429	398	399	430	3	1	75.0		0.30	0.15
360	Guscio fond.	430	399	400	431	3	1	75.0		0.30	0.15
361	Guscio fond.	431	400	401	432	3	1	75.0		0.30	0.15
362	Guscio fond.	432	401	402	433	3	1	75.0		0.30	0.15
363	Guscio fond.	117	113	403	434	3	1	75.0		0.30	0.15
364	Guscio fond.	434	403	404	435	3	1	75.0		0.30	0.15
365	Guscio fond.	435	404	405	436	3	1	75.0		0.30	0.15
366	Guscio fond.	436	405	406	437	3	1	75.0		0.30	0.15
367	Guscio fond.	437	406	407	438	3	1	75.0		0.30	0.15
368	Guscio fond.	438	407	408	439	3	1	75.0		0.30	0.15
369	Guscio fond.	439	408	409	440	3	1	75.0		0.30	0.15
370	Guscio fond.	440	409	410	441	3	1	75.0		0.30	0.15
371	Guscio fond.	441	410	411	442	3	1	75.0		0.30	0.15
372	Guscio fond.	442	411	412	443	3	1	75.0		0.30	0.15
373	Guscio fond.	443	412	413	444	3	1	75.0		0.30	0.15

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
374	Guscio fond.	444	413	414	445	3	1	75.0		0.30	0.15
375	Guscio fond.	445	414	415	446	3	1	75.0		0.30	0.15
376	Guscio fond.	446	415	416	447	3	1	75.0		0.30	0.15
377	Guscio fond.	447	416	417	448	3	1	75.0		0.30	0.15
378	Guscio fond.	448	417	418	449	3	1	75.0		0.30	0.15
379	Guscio fond.	449	418	419	450	3	1	75.0		0.30	0.15
380	Guscio fond.	450	419	420	451	3	1	75.0		0.30	0.15
381	Guscio fond.	451	420	421	452	3	1	75.0		0.30	0.15
382	Guscio fond.	452	421	422	453	3	1	75.0		0.30	0.15
383	Guscio fond.	453	422	423	454	3	1	75.0		0.30	0.15
384	Guscio fond.	454	423	424	455	3	1	75.0		0.30	0.15
385	Guscio fond.	455	424	425	456	3	1	75.0		0.30	0.15
386	Guscio fond.	456	425	426	457	3	1	75.0		0.30	0.15
387	Guscio fond.	457	426	427	458	3	1	75.0		0.30	0.15
388	Guscio fond.	458	427	428	459	3	1	75.0		0.30	0.15
389	Guscio fond.	459	428	429	460	3	1	75.0		0.30	0.15
390	Guscio fond.	460	429	430	461	3	1	75.0		0.30	0.15
391	Guscio fond.	461	430	431	462	3	1	75.0		0.30	0.15
392	Guscio fond.	462	431	432	463	3	1	75.0		0.30	0.15
393	Guscio fond.	463	432	433	464	3	1	75.0		0.30	0.15
394	Guscio fond.	121	117	434	465	3	1	75.0		0.30	0.15
395	Guscio fond.	465	434	435	466	3	1	75.0		0.30	0.15
396	Guscio fond.	466	435	436	467	3	1	75.0		0.30	0.15
397	Guscio fond.	467	436	437	468	3	1	75.0		0.30	0.15
398	Guscio fond.	468	437	438	469	3	1	75.0		0.30	0.15
399	Guscio fond.	469	438	439	470	3	1	75.0		0.30	0.15
400	Guscio fond.	470	439	440	471	3	1	75.0		0.30	0.15
401	Guscio fond.	471	440	441	472	3	1	75.0		0.30	0.15
402	Guscio fond.	472	441	442	473	3	1	75.0		0.30	0.15
403	Guscio fond.	473	442	443	474	3	1	75.0		0.30	0.15
404	Guscio fond.	474	443	444	475	3	1	75.0		0.30	0.15
405	Guscio fond.	475	444	445	476	3	1	75.0		0.30	0.15
406	Guscio fond.	476	445	446	477	3	1	75.0		0.30	0.15
407	Guscio fond.	477	446	447	478	3	1	75.0		0.30	0.15
408	Guscio fond.	478	447	448	479	3	1	75.0		0.30	0.15
409	Guscio fond.	479	448	449	480	3	1	75.0		0.30	0.15
410	Guscio fond.	480	449	450	481	3	1	75.0		0.30	0.15
411	Guscio fond.	481	450	451	482	3	1	75.0		0.30	0.15
412	Guscio fond.	482	451	452	483	3	1	75.0		0.30	0.15
413	Guscio fond.	483	452	453	484	3	1	75.0		0.30	0.15
414	Guscio fond.	484	453	454	485	3	1	75.0		0.30	0.15
415	Guscio fond.	485	454	455	486	3	1	75.0		0.30	0.15
416	Guscio fond.	486	455	456	487	3	1	75.0		0.30	0.15
417	Guscio fond.	487	456	457	488	3	1	75.0		0.30	0.15
418	Guscio fond.	488	457	458	489	3	1	75.0		0.30	0.15
419	Guscio fond.	489	458	459	490	3	1	75.0		0.30	0.15
420	Guscio fond.	490	459	460	491	3	1	75.0		0.30	0.15
421	Guscio fond.	491	460	461	492	3	1	75.0		0.30	0.15
422	Guscio fond.	492	461	462	493	3	1	75.0		0.30	0.15
423	Guscio fond.	493	462	463	494	3	1	75.0		0.30	0.15
424	Guscio fond.	494	463	464	495	3	1	75.0		0.30	0.15
425	Guscio fond.	125	121	465	496	3	1	75.0		0.30	0.15
426	Guscio fond.	496	465	466	497	3	1	75.0		0.30	0.15
427	Guscio fond.	497	466	467	498	3	1	75.0		0.30	0.15
428	Guscio fond.	498	467	468	499	3	1	75.0		0.30	0.15
429	Guscio fond.	499	468	469	500	3	1	75.0		0.30	0.15
430	Guscio fond.	500	469	470	501	3	1	75.0		0.30	0.15
431	Guscio fond.	501	470	471	502	3	1	75.0		0.30	0.15
432	Guscio fond.	502	471	472	503	3	1	75.0		0.30	0.15
433	Guscio fond.	503	472	473	504	3	1	75.0		0.30	0.15
434	Guscio fond.	504	473	474	505	3	1	75.0		0.30	0.15
435	Guscio fond.	505	474	475	506	3	1	75.0		0.30	0.15
436	Guscio fond.	506	475	476	507	3	1	75.0		0.30	0.15
437	Guscio fond.	507	476	477	508	3	1	75.0		0.30	0.15
438	Guscio fond.	508	477	478	509	3	1	75.0		0.30	0.15
439	Guscio fond.	509	478	479	510	3	1	75.0		0.30	0.15
440	Guscio fond.	510	479	480	511	3	1	75.0		0.30	0.15
441	Guscio fond.	511	480	481	512	3	1	75.0		0.30	0.15
442	Guscio fond.	512	481	482	513	3	1	75.0		0.30	0.15
443	Guscio fond.	513	482	483	514	3	1	75.0		0.30	0.15
444	Guscio fond.	514	483	484	515	3	1	75.0		0.30	0.15
445	Guscio fond.	515	484	485	516	3	1	75.0		0.30	0.15
446	Guscio fond.	516	485	486	517	3	1	75.0		0.30	0.15
447	Guscio fond.	517	486	487	518	3	1	75.0		0.30	0.15
448	Guscio fond.	518	487	488	519	3	1	75.0		0.30	0.15

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
449	Guscio fond.	519	488	489	520	3	1	75.0		0.30	0.15
450	Guscio fond.	520	489	490	521	3	1	75.0		0.30	0.15
451	Guscio fond.	521	490	491	522	3	1	75.0		0.30	0.15
452	Guscio fond.	522	491	492	523	3	1	75.0		0.30	0.15
453	Guscio fond.	523	492	493	524	3	1	75.0		0.30	0.15
454	Guscio fond.	524	493	494	525	3	1	75.0		0.30	0.15
455	Guscio fond.	525	494	495	526	3	1	75.0		0.30	0.15
456	Guscio fond.	129	125	496	527	3	1	75.0		0.30	0.15
457	Guscio fond.	527	496	497	528	3	1	75.0		0.30	0.15
458	Guscio fond.	528	497	498	529	3	1	75.0		0.30	0.15
459	Guscio fond.	529	498	499	530	3	1	75.0		0.30	0.15
460	Guscio fond.	530	499	500	531	3	1	75.0		0.30	0.15
461	Guscio fond.	531	500	501	532	3	1	75.0		0.30	0.15
462	Guscio fond.	532	501	502	533	3	1	75.0		0.30	0.15
463	Guscio fond.	533	502	503	534	3	1	75.0		0.30	0.15
464	Guscio fond.	534	503	504	535	3	1	75.0		0.30	0.15
465	Guscio fond.	535	504	505	536	3	1	75.0		0.30	0.15
466	Guscio fond.	536	505	506	537	3	1	75.0		0.30	0.15
467	Guscio fond.	537	506	507	538	3	1	75.0		0.30	0.15
468	Guscio fond.	538	507	508	539	3	1	75.0		0.30	0.15
469	Guscio fond.	539	508	509	540	3	1	75.0		0.30	0.15
470	Guscio fond.	540	509	510	541	3	1	75.0		0.30	0.15
471	Guscio fond.	541	510	511	542	3	1	75.0		0.30	0.15
472	Guscio fond.	542	511	512	543	3	1	75.0		0.30	0.15
473	Guscio fond.	543	512	513	544	3	1	75.0		0.30	0.15
474	Guscio fond.	544	513	514	545	3	1	75.0		0.30	0.15
475	Guscio fond.	545	514	515	546	3	1	75.0		0.30	0.15
476	Guscio fond.	546	515	516	547	3	1	75.0		0.30	0.15
477	Guscio fond.	547	516	517	548	3	1	75.0		0.30	0.15
478	Guscio fond.	548	517	518	549	3	1	75.0		0.30	0.15
479	Guscio fond.	549	518	519	550	3	1	75.0		0.30	0.15
480	Guscio fond.	550	519	520	551	3	1	75.0		0.30	0.15
481	Guscio fond.	551	520	521	552	3	1	75.0		0.30	0.15
482	Guscio fond.	552	521	522	553	3	1	75.0		0.30	0.15
483	Guscio fond.	553	522	523	554	3	1	75.0		0.30	0.15
484	Guscio fond.	554	523	524	555	3	1	75.0		0.30	0.15
485	Guscio fond.	555	524	525	556	3	1	75.0		0.30	0.15
486	Guscio fond.	556	525	526	557	3	1	75.0		0.30	0.15
487	Guscio fond.	133	129	527	558	3	1	75.0		0.30	0.15
488	Guscio fond.	558	527	528	559	3	1	75.0		0.30	0.15
489	Guscio fond.	559	528	529	560	3	1	75.0		0.30	0.15
490	Guscio fond.	560	529	530	561	3	1	75.0		0.30	0.15
491	Guscio fond.	561	530	531	562	3	1	75.0		0.30	0.15
492	Guscio fond.	562	531	532	563	3	1	75.0		0.30	0.15
493	Guscio fond.	563	532	533	564	3	1	75.0		0.30	0.15
494	Guscio fond.	564	533	534	565	3	1	75.0		0.30	0.15
495	Guscio fond.	565	534	535	566	3	1	75.0		0.30	0.15
496	Guscio fond.	566	535	536	567	3	1	75.0		0.30	0.15
497	Guscio fond.	567	536	537	568	3	1	75.0		0.30	0.15
498	Guscio fond.	568	537	538	569	3	1	75.0		0.30	0.15
499	Guscio fond.	569	538	539	570	3	1	75.0		0.30	0.15
500	Guscio fond.	570	539	540	571	3	1	75.0		0.30	0.15
501	Guscio fond.	571	540	541	572	3	1	75.0		0.30	0.15
502	Guscio fond.	572	541	542	573	3	1	75.0		0.30	0.15
503	Guscio fond.	573	542	543	574	3	1	75.0		0.30	0.15
504	Guscio fond.	574	543	544	575	3	1	75.0		0.30	0.15
505	Guscio fond.	575	544	545	576	3	1	75.0		0.30	0.15
506	Guscio fond.	576	545	546	577	3	1	75.0		0.30	0.15
507	Guscio fond.	577	546	547	578	3	1	75.0		0.30	0.15
508	Guscio fond.	578	547	548	579	3	1	75.0		0.30	0.15
509	Guscio fond.	579	548	549	580	3	1	75.0		0.30	0.15
510	Guscio fond.	580	549	550	581	3	1	75.0		0.30	0.15
511	Guscio fond.	581	550	551	582	3	1	75.0		0.30	0.15
512	Guscio fond.	582	551	552	583	3	1	75.0		0.30	0.15
513	Guscio fond.	583	552	553	584	3	1	75.0		0.30	0.15
514	Guscio fond.	584	553	554	585	3	1	75.0		0.30	0.15
515	Guscio fond.	585	554	555	586	3	1	75.0		0.30	0.15
516	Guscio fond.	586	555	556	587	3	1	75.0		0.30	0.15
517	Guscio fond.	587	556	557	588	3	1	75.0		0.30	0.15
518	Guscio fond.	137	133	558	589	3	1	75.0		0.30	0.15
519	Guscio fond.	589	558	559	590	3	1	75.0		0.30	0.15
520	Guscio fond.	590	559	560	591	3	1	75.0		0.30	0.15
521	Guscio fond.	591	560	561	592	3	1	75.0		0.30	0.15
522	Guscio fond.	592	561	562	593	3	1	75.0		0.30	0.15
523	Guscio fond.	593	562	563	594	3	1	75.0		0.30	0.15

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
524	Guscio fond.	594	563	564	595	3	1	75.0		0.30	0.15
525	Guscio fond.	595	564	565	596	3	1	75.0		0.30	0.15
526	Guscio fond.	596	565	566	597	3	1	75.0		0.30	0.15
527	Guscio fond.	597	566	567	598	3	1	75.0		0.30	0.15
528	Guscio fond.	598	567	568	599	3	1	75.0		0.30	0.15
529	Guscio fond.	599	568	569	600	3	1	75.0		0.30	0.15
530	Guscio fond.	600	569	570	601	3	1	75.0		0.30	0.15
531	Guscio fond.	601	570	571	602	3	1	75.0		0.30	0.15
532	Guscio fond.	602	571	572	603	3	1	75.0		0.30	0.15
533	Guscio fond.	603	572	573	604	3	1	75.0		0.30	0.15
534	Guscio fond.	604	573	574	605	3	1	75.0		0.30	0.15
535	Guscio fond.	605	574	575	606	3	1	75.0		0.30	0.15
536	Guscio fond.	606	575	576	607	3	1	75.0		0.30	0.15
537	Guscio fond.	607	576	577	608	3	1	75.0		0.30	0.15
538	Guscio fond.	608	577	578	609	3	1	75.0		0.30	0.15
539	Guscio fond.	609	578	579	610	3	1	75.0		0.30	0.15
540	Guscio fond.	610	579	580	611	3	1	75.0		0.30	0.15
541	Guscio fond.	611	580	581	612	3	1	75.0		0.30	0.15
542	Guscio fond.	612	581	582	613	3	1	75.0		0.30	0.15
543	Guscio fond.	613	582	583	614	3	1	75.0		0.30	0.15
544	Guscio fond.	614	583	584	615	3	1	75.0		0.30	0.15
545	Guscio fond.	615	584	585	616	3	1	75.0		0.30	0.15
546	Guscio fond.	616	585	586	617	3	1	75.0		0.30	0.15
547	Guscio fond.	617	586	587	618	3	1	75.0		0.30	0.15
548	Guscio fond.	618	587	588	619	3	1	75.0		0.30	0.15
549	Guscio fond.	14	137	589	620	3	1	75.0		0.30	0.15
550	Guscio fond.	620	589	590	621	3	1	75.0		0.30	0.15
551	Guscio fond.	621	590	591	622	3	1	75.0		0.30	0.15
552	Guscio fond.	622	591	592	623	3	1	75.0		0.30	0.15
553	Guscio fond.	623	592	593	624	3	1	75.0		0.30	0.15
554	Guscio fond.	624	593	594	625	3	1	75.0		0.30	0.15
555	Guscio fond.	625	594	595	626	3	1	75.0		0.30	0.15
556	Guscio fond.	626	595	596	627	3	1	75.0		0.30	0.15
557	Guscio fond.	627	596	597	628	3	1	75.0		0.30	0.15
558	Guscio fond.	628	597	598	629	3	1	75.0		0.30	0.15
559	Guscio fond.	629	598	599	630	3	1	75.0		0.30	0.15
560	Guscio fond.	630	599	600	631	3	1	75.0		0.30	0.15
561	Guscio fond.	631	600	601	632	3	1	75.0		0.30	0.15
562	Guscio fond.	632	601	602	633	3	1	75.0		0.30	0.15
563	Guscio fond.	633	602	603	634	3	1	75.0		0.30	0.15
564	Guscio fond.	634	603	604	635	3	1	75.0		0.30	0.15
565	Guscio fond.	635	604	605	636	3	1	75.0		0.30	0.15
566	Guscio fond.	636	605	606	637	3	1	75.0		0.30	0.15
567	Guscio fond.	637	606	607	638	3	1	75.0		0.30	0.15
568	Guscio fond.	638	607	608	639	3	1	75.0		0.30	0.15
569	Guscio fond.	639	608	609	640	3	1	75.0		0.30	0.15
570	Guscio fond.	640	609	610	641	3	1	75.0		0.30	0.15
571	Guscio fond.	641	610	611	642	3	1	75.0		0.30	0.15
572	Guscio fond.	642	611	612	643	3	1	75.0		0.30	0.15
573	Guscio fond.	643	612	613	644	3	1	75.0		0.30	0.15
574	Guscio fond.	644	613	614	645	3	1	75.0		0.30	0.15
575	Guscio fond.	645	614	615	646	3	1	75.0		0.30	0.15
576	Guscio fond.	646	615	616	647	3	1	75.0		0.30	0.15
577	Guscio fond.	647	616	617	648	3	1	75.0		0.30	0.15
578	Guscio fond.	648	617	618	649	3	1	75.0		0.30	0.15
579	Guscio fond.	649	618	619	6	3	1	75.0		0.30	0.15
580	Guscio fond.	144	14	620	650	3	1	75.0		0.30	0.15
581	Guscio fond.	650	620	621	651	3	1	75.0		0.30	0.15
582	Guscio fond.	651	621	622	652	3	1	75.0		0.30	0.15
583	Guscio fond.	652	622	623	653	3	1	75.0		0.30	0.15
584	Guscio fond.	653	623	624	654	3	1	75.0		0.30	0.15
585	Guscio fond.	654	624	625	655	3	1	75.0		0.30	0.15
586	Guscio fond.	655	625	626	656	3	1	75.0		0.30	0.15
587	Guscio fond.	656	626	627	657	3	1	75.0		0.30	0.15
588	Guscio fond.	657	627	628	658	3	1	75.0		0.30	0.15
589	Guscio fond.	658	628	629	659	3	1	75.0		0.30	0.15
590	Guscio fond.	659	629	630	660	3	1	75.0		0.30	0.15
591	Guscio fond.	660	630	631	661	3	1	75.0		0.30	0.15
592	Guscio fond.	661	631	632	662	3	1	75.0		0.30	0.15
593	Guscio fond.	662	632	633	663	3	1	75.0		0.30	0.15
594	Guscio fond.	663	633	634	664	3	1	75.0		0.30	0.15
595	Guscio fond.	664	634	635	665	3	1	75.0		0.30	0.15
596	Guscio fond.	665	635	636	666	3	1	75.0		0.30	0.15
597	Guscio fond.	666	636	637	667	3	1	75.0		0.30	0.15
598	Guscio fond.	667	637	638	668	3	1	75.0		0.30	0.15

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
599	Guscio fond.	668	638	639	669	3	1	75.0		0.30	0.15
600	Guscio fond.	669	639	640	670	3	1	75.0		0.30	0.15
601	Guscio fond.	670	640	641	671	3	1	75.0		0.30	0.15
602	Guscio fond.	671	641	642	672	3	1	75.0		0.30	0.15
603	Guscio fond.	672	642	643	673	3	1	75.0		0.30	0.15
604	Guscio fond.	673	643	644	674	3	1	75.0		0.30	0.15
605	Guscio fond.	674	644	645	675	3	1	75.0		0.30	0.15
606	Guscio fond.	675	645	646	676	3	1	75.0		0.30	0.15
607	Guscio fond.	676	646	647	677	3	1	75.0		0.30	0.15
608	Guscio fond.	677	647	648	678	3	1	75.0		0.30	0.15
609	Guscio fond.	678	648	649	679	3	1	75.0		0.30	0.15
610	Guscio fond.	679	649	6	680	3	1	75.0		0.30	0.15
611	Guscio fond.	148	144	650	681	3	1	75.0		0.30	0.15
612	Guscio fond.	681	650	651	682	3	1	75.0		0.30	0.15
613	Guscio fond.	682	651	652	683	3	1	75.0		0.30	0.15
614	Guscio fond.	683	652	653	684	3	1	75.0		0.30	0.15
615	Guscio fond.	684	653	654	685	3	1	75.0		0.30	0.15
616	Guscio fond.	685	654	655	686	3	1	75.0		0.30	0.15
617	Guscio fond.	686	655	656	687	3	1	75.0		0.30	0.15
618	Guscio fond.	687	656	657	688	3	1	75.0		0.30	0.15
619	Guscio fond.	688	657	658	689	3	1	75.0		0.30	0.15
620	Guscio fond.	689	658	659	690	3	1	75.0		0.30	0.15
621	Guscio fond.	690	659	660	691	3	1	75.0		0.30	0.15
622	Guscio fond.	691	660	661	692	3	1	75.0		0.30	0.15
623	Guscio fond.	692	661	662	693	3	1	75.0		0.30	0.15
624	Guscio fond.	693	662	663	694	3	1	75.0		0.30	0.15
625	Guscio fond.	694	663	664	695	3	1	75.0		0.30	0.15
626	Guscio fond.	695	664	665	696	3	1	75.0		0.30	0.15
627	Guscio fond.	696	665	666	697	3	1	75.0		0.30	0.15
628	Guscio fond.	697	666	667	698	3	1	75.0		0.30	0.15
629	Guscio fond.	698	667	668	699	3	1	75.0		0.30	0.15
630	Guscio fond.	699	668	669	700	3	1	75.0		0.30	0.15
631	Guscio fond.	700	669	670	701	3	1	75.0		0.30	0.15
632	Guscio fond.	701	670	671	702	3	1	75.0		0.30	0.15
633	Guscio fond.	702	671	672	703	3	1	75.0		0.30	0.15
634	Guscio fond.	703	672	673	704	3	1	75.0		0.30	0.15
635	Guscio fond.	704	673	674	705	3	1	75.0		0.30	0.15
636	Guscio fond.	705	674	675	706	3	1	75.0		0.30	0.15
637	Guscio fond.	706	675	676	707	3	1	75.0		0.30	0.15
638	Guscio fond.	707	676	677	708	3	1	75.0		0.30	0.15
639	Guscio fond.	708	677	678	709	3	1	75.0		0.30	0.15
640	Guscio fond.	709	678	679	710	3	1	75.0		0.30	0.15
641	Guscio fond.	710	679	680	711	3	1	75.0		0.30	0.15
642	Guscio fond.	152	148	681	712	3	1	75.0		0.30	0.15
643	Guscio fond.	712	681	682	713	3	1	75.0		0.30	0.15
644	Guscio fond.	713	682	683	714	3	1	75.0		0.30	0.15
645	Guscio fond.	714	683	684	715	3	1	75.0		0.30	0.15
646	Guscio fond.	715	684	685	716	3	1	75.0		0.30	0.15
647	Guscio fond.	716	685	686	717	3	1	75.0		0.30	0.15
648	Guscio fond.	717	686	687	718	3	1	75.0		0.30	0.15
649	Guscio fond.	718	687	688	719	3	1	75.0		0.30	0.15
650	Guscio fond.	719	688	689	720	3	1	75.0		0.30	0.15
651	Guscio fond.	720	689	690	721	3	1	75.0		0.30	0.15
652	Guscio fond.	721	690	691	722	3	1	75.0		0.30	0.15
653	Guscio fond.	722	691	692	723	3	1	75.0		0.30	0.15
654	Guscio fond.	723	692	693	724	3	1	75.0		0.30	0.15
655	Guscio fond.	724	693	694	725	3	1	75.0		0.30	0.15
656	Guscio fond.	725	694	695	726	3	1	75.0		0.30	0.15
657	Guscio fond.	726	695	696	727	3	1	75.0		0.30	0.15
658	Guscio fond.	727	696	697	728	3	1	75.0		0.30	0.15
659	Guscio fond.	728	697	698	729	3	1	75.0		0.30	0.15
660	Guscio fond.	729	698	699	730	3	1	75.0		0.30	0.15
661	Guscio fond.	730	699	700	731	3	1	75.0		0.30	0.15
662	Guscio fond.	731	700	701	732	3	1	75.0		0.30	0.15
663	Guscio fond.	732	701	702	733	3	1	75.0		0.30	0.15
664	Guscio fond.	733	702	703	734	3	1	75.0		0.30	0.15
665	Guscio fond.	734	703	704	735	3	1	75.0		0.30	0.15
666	Guscio fond.	735	704	705	736	3	1	75.0		0.30	0.15
667	Guscio fond.	736	705	706	737	3	1	75.0		0.30	0.15
668	Guscio fond.	737	706	707	738	3	1	75.0		0.30	0.15
669	Guscio fond.	738	707	708	739	3	1	75.0		0.30	0.15
670	Guscio fond.	739	708	709	740	3	1	75.0		0.30	0.15
671	Guscio fond.	740	709	710	741	3	1	75.0		0.30	0.15
672	Guscio fond.	741	710	711	742	3	1	75.0		0.30	0.15
673	Guscio fond.	20	152	712	743	3	1	75.0		0.30	0.15

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
674	Guscio fond.	743	712	713	744	3	1	75.0		0.30	0.15
675	Guscio fond.	744	713	714	745	3	1	75.0		0.30	0.15
676	Guscio fond.	745	714	715	746	3	1	75.0		0.30	0.15
677	Guscio fond.	746	715	716	747	3	1	75.0		0.30	0.15
678	Guscio fond.	747	716	717	748	3	1	75.0		0.30	0.15
679	Guscio fond.	748	717	718	749	3	1	75.0		0.30	0.15
680	Guscio fond.	749	718	719	750	3	1	75.0		0.30	0.15
681	Guscio fond.	750	719	720	751	3	1	75.0		0.30	0.15
682	Guscio fond.	751	720	721	752	3	1	75.0		0.30	0.15
683	Guscio fond.	752	721	722	753	3	1	75.0		0.30	0.15
684	Guscio fond.	753	722	723	754	3	1	75.0		0.30	0.15
685	Guscio fond.	754	723	724	755	3	1	75.0		0.30	0.15
686	Guscio fond.	755	724	725	756	3	1	75.0		0.30	0.15
687	Guscio fond.	756	725	726	757	3	1	75.0		0.30	0.15
688	Guscio fond.	757	726	727	758	3	1	75.0		0.30	0.15
689	Guscio fond.	758	727	728	759	3	1	75.0		0.30	0.15
690	Guscio fond.	759	728	729	760	3	1	75.0		0.30	0.15
691	Guscio fond.	760	729	730	761	3	1	75.0		0.30	0.15
692	Guscio fond.	761	730	731	762	3	1	75.0		0.30	0.15
693	Guscio fond.	762	731	732	763	3	1	75.0		0.30	0.15
694	Guscio fond.	763	732	733	764	3	1	75.0		0.30	0.15
695	Guscio fond.	764	733	734	765	3	1	75.0		0.30	0.15
696	Guscio fond.	765	734	735	766	3	1	75.0		0.30	0.15
697	Guscio fond.	766	735	736	767	3	1	75.0		0.30	0.15
698	Guscio fond.	767	736	737	768	3	1	75.0		0.30	0.15
699	Guscio fond.	768	737	738	769	3	1	75.0		0.30	0.15
700	Guscio fond.	769	738	739	770	3	1	75.0		0.30	0.15
701	Guscio fond.	770	739	740	771	3	1	75.0		0.30	0.15
702	Guscio fond.	771	740	741	772	3	1	75.0		0.30	0.15
703	Guscio fond.	772	741	742	2	3	1	75.0		0.30	0.15
704	Setto	5	68	777	773	5	1	70.0			
705	Setto	68	12	775	777	5	1	70.0			
706	Setto	12	138	778	775	5	1	70.0			
707	Setto	138	139	779	778	5	1	70.0			
708	Setto	139	140	780	779	5	1	70.0			
709	Setto	140	14	776	780	5	1	70.0			
710	Setto	14	620	781	776	5	1	70.0			
711	Setto	620	621	782	781	5	1	70.0			
712	Setto	621	622	783	782	5	1	70.0			
713	Setto	622	623	784	783	5	1	70.0			
714	Setto	623	624	785	784	5	1	70.0			
715	Setto	624	625	786	785	5	1	70.0			
716	Setto	625	626	787	786	5	1	70.0			
717	Setto	626	627	788	787	5	1	70.0			
718	Setto	627	628	789	788	5	1	70.0			
719	Setto	628	629	790	789	5	1	70.0			
720	Setto	629	630	791	790	5	1	70.0			
721	Setto	630	631	792	791	5	1	70.0			
722	Setto	631	632	793	792	5	1	70.0			
723	Setto	632	633	794	793	5	1	70.0			
724	Setto	633	634	795	794	5	1	70.0			
725	Setto	634	635	796	795	5	1	70.0			
726	Setto	635	636	797	796	5	1	70.0			
727	Setto	636	637	798	797	5	1	70.0			
728	Setto	637	638	799	798	5	1	70.0			
729	Setto	638	639	800	799	5	1	70.0			
730	Setto	639	640	801	800	5	1	70.0			
731	Setto	640	641	802	801	5	1	70.0			
732	Setto	641	642	803	802	5	1	70.0			
733	Setto	642	643	804	803	5	1	70.0			
734	Setto	643	644	805	804	5	1	70.0			
735	Setto	644	645	806	805	5	1	70.0			
736	Setto	645	646	807	806	5	1	70.0			
737	Setto	646	647	808	807	5	1	70.0			
738	Setto	647	648	809	808	5	1	70.0			
739	Setto	648	649	810	809	5	1	70.0			
740	Setto	649	6	774	810	5	1	70.0			
741	Setto	773	777	815	811	5	1	67.0			
742	Setto	777	775	813	815	5	1	67.0			
743	Setto	775	778	816	813	5	1	67.0			
744	Setto	778	779	817	816	5	1	67.0			
745	Setto	779	780	818	817	5	1	67.0			
746	Setto	780	776	814	818	5	1	67.0			
747	Setto	776	781	819	814	5	1	67.0			
748	Setto	781	782	820	819	5	1	67.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
749	Setto	782	783	821	820	5	1	67.0			
750	Setto	783	784	822	821	5	1	67.0			
751	Setto	784	785	823	822	5	1	67.0			
752	Setto	785	786	824	823	5	1	67.0			
753	Setto	786	787	825	824	5	1	67.0			
754	Setto	787	788	826	825	5	1	67.0			
755	Setto	788	789	827	826	5	1	67.0			
756	Setto	789	790	828	827	5	1	67.0			
757	Setto	790	791	829	828	5	1	67.0			
758	Setto	791	792	830	829	5	1	67.0			
759	Setto	792	793	831	830	5	1	67.0			
760	Setto	793	794	832	831	5	1	67.0			
761	Setto	794	795	833	832	5	1	67.0			
762	Setto	795	796	834	833	5	1	67.0			
763	Setto	796	797	835	834	5	1	67.0			
764	Setto	797	798	836	835	5	1	67.0			
765	Setto	798	799	837	836	5	1	67.0			
766	Setto	799	800	838	837	5	1	67.0			
767	Setto	800	801	839	838	5	1	67.0			
768	Setto	801	802	840	839	5	1	67.0			
769	Setto	802	803	841	840	5	1	67.0			
770	Setto	803	804	842	841	5	1	67.0			
771	Setto	804	805	843	842	5	1	67.0			
772	Setto	805	806	844	843	5	1	67.0			
773	Setto	806	807	845	844	5	1	67.0			
774	Setto	807	808	846	845	5	1	67.0			
775	Setto	808	809	847	846	5	1	67.0			
776	Setto	809	810	848	847	5	1	67.0			
777	Setto	810	774	812	848	5	1	67.0			
778	Setto	811	815	853	849	5	1	64.0			
779	Setto	815	813	851	853	5	1	64.0			
780	Setto	813	816	854	851	5	1	64.0			
781	Setto	816	817	855	854	5	1	64.0			
782	Setto	817	818	856	855	5	1	64.0			
783	Setto	818	814	852	856	5	1	64.0			
784	Setto	814	819	857	852	5	1	64.0			
785	Setto	819	820	858	857	5	1	64.0			
786	Setto	820	821	859	858	5	1	64.0			
787	Setto	821	822	860	859	5	1	64.0			
788	Setto	822	823	861	860	5	1	64.0			
789	Setto	823	824	862	861	5	1	64.0			
790	Setto	824	825	863	862	5	1	64.0			
791	Setto	825	826	864	863	5	1	64.0			
792	Setto	826	827	865	864	5	1	64.0			
793	Setto	827	828	866	865	5	1	64.0			
794	Setto	828	829	867	866	5	1	64.0			
795	Setto	829	830	868	867	5	1	64.0			
796	Setto	830	831	869	868	5	1	64.0			
797	Setto	831	832	870	869	5	1	64.0			
798	Setto	832	833	871	870	5	1	64.0			
799	Setto	833	834	872	871	5	1	64.0			
800	Setto	834	835	873	872	5	1	64.0			
801	Setto	835	836	874	873	5	1	64.0			
802	Setto	836	837	875	874	5	1	64.0			
803	Setto	837	838	876	875	5	1	64.0			
804	Setto	838	839	877	876	5	1	64.0			
805	Setto	839	840	878	877	5	1	64.0			
806	Setto	840	841	879	878	5	1	64.0			
807	Setto	841	842	880	879	5	1	64.0			
808	Setto	842	843	881	880	5	1	64.0			
809	Setto	843	844	882	881	5	1	64.0			
810	Setto	844	845	883	882	5	1	64.0			
811	Setto	845	846	884	883	5	1	64.0			
812	Setto	846	847	885	884	5	1	64.0			
813	Setto	847	848	886	885	5	1	64.0			
814	Setto	848	812	850	886	5	1	64.0			
815	Setto	849	853	891	887	5	1	61.0			
816	Setto	853	851	889	891	5	1	61.0			
817	Setto	851	854	892	889	5	1	61.0			
818	Setto	854	855	893	892	5	1	61.0			
819	Setto	855	856	894	893	5	1	61.0			
820	Setto	856	852	890	894	5	1	61.0			
821	Setto	852	857	895	890	5	1	61.0			
822	Setto	857	858	896	895	5	1	61.0			
823	Setto	858	859	897	896	5	1	61.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
824	Setto	859	860	898	897	5	1	61.0			
825	Setto	860	861	899	898	5	1	61.0			
826	Setto	861	862	900	899	5	1	61.0			
827	Setto	862	863	901	900	5	1	61.0			
828	Setto	863	864	902	901	5	1	61.0			
829	Setto	864	865	903	902	5	1	61.0			
830	Setto	865	866	904	903	5	1	61.0			
831	Setto	866	867	905	904	5	1	61.0			
832	Setto	867	868	906	905	5	1	61.0			
833	Setto	868	869	907	906	5	1	61.0			
834	Setto	869	870	908	907	5	1	61.0			
835	Setto	870	871	909	908	5	1	61.0			
836	Setto	871	872	910	909	5	1	61.0			
837	Setto	872	873	911	910	5	1	61.0			
838	Setto	873	874	912	911	5	1	61.0			
839	Setto	874	875	913	912	5	1	61.0			
840	Setto	875	876	914	913	5	1	61.0			
841	Setto	876	877	915	914	5	1	61.0			
842	Setto	877	878	916	915	5	1	61.0			
843	Setto	878	879	917	916	5	1	61.0			
844	Setto	879	880	918	917	5	1	61.0			
845	Setto	880	881	919	918	5	1	61.0			
846	Setto	881	882	920	919	5	1	61.0			
847	Setto	882	883	921	920	5	1	61.0			
848	Setto	883	884	922	921	5	1	61.0			
849	Setto	884	885	923	922	5	1	61.0			
850	Setto	885	886	924	923	5	1	61.0			
851	Setto	886	850	888	924	5	1	61.0			
852	Setto	887	891	929	925	5	1	58.0			
853	Setto	891	889	927	929	5	1	58.0			
854	Setto	889	892	930	927	5	1	58.0			
855	Setto	892	893	931	930	5	1	58.0			
856	Setto	893	894	932	931	5	1	58.0			
857	Setto	894	890	928	932	5	1	58.0			
858	Setto	890	895	933	928	5	1	58.0			
859	Setto	895	896	934	933	5	1	58.0			
860	Setto	896	897	935	934	5	1	58.0			
861	Setto	897	898	936	935	5	1	58.0			
862	Setto	898	899	937	936	5	1	58.0			
863	Setto	899	900	938	937	5	1	58.0			
864	Setto	900	901	939	938	5	1	58.0			
865	Setto	901	902	940	939	5	1	58.0			
866	Setto	902	903	941	940	5	1	58.0			
867	Setto	903	904	942	941	5	1	58.0			
868	Setto	904	905	943	942	5	1	58.0			
869	Setto	905	906	944	943	5	1	58.0			
870	Setto	906	907	945	944	5	1	58.0			
871	Setto	907	908	946	945	5	1	58.0			
872	Setto	908	909	947	946	5	1	58.0			
873	Setto	909	910	948	947	5	1	58.0			
874	Setto	910	911	949	948	5	1	58.0			
875	Setto	911	912	950	949	5	1	58.0			
876	Setto	912	913	951	950	5	1	58.0			
877	Setto	913	914	952	951	5	1	58.0			
878	Setto	914	915	953	952	5	1	58.0			
879	Setto	915	916	954	953	5	1	58.0			
880	Setto	916	917	955	954	5	1	58.0			
881	Setto	917	918	956	955	5	1	58.0			
882	Setto	918	919	957	956	5	1	58.0			
883	Setto	919	920	958	957	5	1	58.0			
884	Setto	920	921	959	958	5	1	58.0			
885	Setto	921	922	960	959	5	1	58.0			
886	Setto	922	923	961	960	5	1	58.0			
887	Setto	923	924	962	961	5	1	58.0			
888	Setto	924	888	926	962	5	1	58.0			
889	Setto	925	929	967	963	5	1	55.0			
890	Setto	929	927	965	967	5	1	55.0			
891	Setto	927	930	968	965	5	1	55.0			
892	Setto	930	931	969	968	5	1	55.0			
893	Setto	931	932	970	969	5	1	55.0			
894	Setto	932	928	966	970	5	1	55.0			
895	Setto	928	933	971	966	5	1	55.0			
896	Setto	933	934	972	971	5	1	55.0			
897	Setto	934	935	973	972	5	1	55.0			
898	Setto	935	936	974	973	5	1	55.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
899	Setto	936	937	975	974	5	1	55.0			
900	Setto	937	938	976	975	5	1	55.0			
901	Setto	938	939	977	976	5	1	55.0			
902	Setto	939	940	978	977	5	1	55.0			
903	Setto	940	941	979	978	5	1	55.0			
904	Setto	941	942	980	979	5	1	55.0			
905	Setto	942	943	981	980	5	1	55.0			
906	Setto	943	944	982	981	5	1	55.0			
907	Setto	944	945	983	982	5	1	55.0			
908	Setto	945	946	984	983	5	1	55.0			
909	Setto	946	947	985	984	5	1	55.0			
910	Setto	947	948	986	985	5	1	55.0			
911	Setto	948	949	987	986	5	1	55.0			
912	Setto	949	950	988	987	5	1	55.0			
913	Setto	950	951	989	988	5	1	55.0			
914	Setto	951	952	990	989	5	1	55.0			
915	Setto	952	953	991	990	5	1	55.0			
916	Setto	953	954	992	991	5	1	55.0			
917	Setto	954	955	993	992	5	1	55.0			
918	Setto	955	956	994	993	5	1	55.0			
919	Setto	956	957	995	994	5	1	55.0			
920	Setto	957	958	996	995	5	1	55.0			
921	Setto	958	959	997	996	5	1	55.0			
922	Setto	959	960	998	997	5	1	55.0			
923	Setto	960	961	999	998	5	1	55.0			
924	Setto	961	962	1000	999	5	1	55.0			
925	Setto	962	926	964	1000	5	1	55.0			
926	Setto	963	967	1005	1001	5	1	52.0			
927	Setto	967	965	1003	1005	5	1	52.0			
928	Setto	965	968	1006	1003	5	1	52.0			
929	Setto	968	969	1007	1006	5	1	52.0			
930	Setto	969	970	1008	1007	5	1	52.0			
931	Setto	970	966	1004	1008	5	1	52.0			
932	Setto	966	971	1009	1004	5	1	52.0			
933	Setto	971	972	1010	1009	5	1	52.0			
934	Setto	972	973	1011	1010	5	1	52.0			
935	Setto	973	974	1012	1011	5	1	52.0			
936	Setto	974	975	1013	1012	5	1	52.0			
937	Setto	975	976	1014	1013	5	1	52.0			
938	Setto	976	977	1015	1014	5	1	52.0			
939	Setto	977	978	1016	1015	5	1	52.0			
940	Setto	978	979	1017	1016	5	1	52.0			
941	Setto	979	980	1018	1017	5	1	52.0			
942	Setto	980	981	1019	1018	5	1	52.0			
943	Setto	981	982	1020	1019	5	1	52.0			
944	Setto	982	983	1021	1020	5	1	52.0			
945	Setto	983	984	1022	1021	5	1	52.0			
946	Setto	984	985	1023	1022	5	1	52.0			
947	Setto	985	986	1024	1023	5	1	52.0			
948	Setto	986	987	1025	1024	5	1	52.0			
949	Setto	987	988	1026	1025	5	1	52.0			
950	Setto	988	989	1027	1026	5	1	52.0			
951	Setto	989	990	1028	1027	5	1	52.0			
952	Setto	990	991	1029	1028	5	1	52.0			
953	Setto	991	992	1030	1029	5	1	52.0			
954	Setto	992	993	1031	1030	5	1	52.0			
955	Setto	993	994	1032	1031	5	1	52.0			
956	Setto	994	995	1033	1032	5	1	52.0			
957	Setto	995	996	1034	1033	5	1	52.0			
958	Setto	996	997	1035	1034	5	1	52.0			
959	Setto	997	998	1036	1035	5	1	52.0			
960	Setto	998	999	1037	1036	5	1	52.0			
961	Setto	999	1000	1038	1037	5	1	52.0			
962	Setto	1000	964	1002	1038	5	1	52.0			
963	Setto	1001	1005	1043	1039	5	1	49.0			
964	Setto	1005	1003	1041	1043	5	1	49.0			
965	Setto	1003	1006	1044	1041	5	1	49.0			
966	Setto	1006	1007	1045	1044	5	1	49.0			
967	Setto	1007	1008	1046	1045	5	1	49.0			
968	Setto	1008	1004	1042	1046	5	1	49.0			
969	Setto	1004	1009	1047	1042	5	1	49.0			
970	Setto	1009	1010	1048	1047	5	1	49.0			
971	Setto	1010	1011	1049	1048	5	1	49.0			
972	Setto	1011	1012	1050	1049	5	1	49.0			
973	Setto	1012	1013	1051	1050	5	1	49.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
974	Setto	1013	1014	1052	1051	5	1	49.0			
975	Setto	1014	1015	1053	1052	5	1	49.0			
976	Setto	1015	1016	1054	1053	5	1	49.0			
977	Setto	1016	1017	1055	1054	5	1	49.0			
978	Setto	1017	1018	1056	1055	5	1	49.0			
979	Setto	1018	1019	1057	1056	5	1	49.0			
980	Setto	1019	1020	1058	1057	5	1	49.0			
981	Setto	1020	1021	1059	1058	5	1	49.0			
982	Setto	1021	1022	1060	1059	5	1	49.0			
983	Setto	1022	1023	1061	1060	5	1	49.0			
984	Setto	1023	1024	1062	1061	5	1	49.0			
985	Setto	1024	1025	1063	1062	5	1	49.0			
986	Setto	1025	1026	1064	1063	5	1	49.0			
987	Setto	1026	1027	1065	1064	5	1	49.0			
988	Setto	1027	1028	1066	1065	5	1	49.0			
989	Setto	1028	1029	1067	1066	5	1	49.0			
990	Setto	1029	1030	1068	1067	5	1	49.0			
991	Setto	1030	1031	1069	1068	5	1	49.0			
992	Setto	1031	1032	1070	1069	5	1	49.0			
993	Setto	1032	1033	1071	1070	5	1	49.0			
994	Setto	1033	1034	1072	1071	5	1	49.0			
995	Setto	1034	1035	1073	1072	5	1	49.0			
996	Setto	1035	1036	1074	1073	5	1	49.0			
997	Setto	1036	1037	1075	1074	5	1	49.0			
998	Setto	1037	1038	1076	1075	5	1	49.0			
999	Setto	1038	1002	1040	1076	5	1	49.0			
1000	Setto	1039	1043	1077	23	5	1	46.4			
1001	Setto	1043	1041	15	1077	5	1	46.4			
1002	Setto	1042	1047	1078	16	5	1	46.4			
1003	Setto	1047	1048	1079	1078	5	1	46.4			
1004	Setto	1048	1049	1080	1079	5	1	46.4			
1005	Setto	1049	1050	1081	1080	5	1	46.4			
1006	Setto	1050	1051	1082	1081	5	1	46.4			
1007	Setto	1051	1052	1083	1082	5	1	46.4			
1008	Setto	1052	1053	1084	1083	5	1	46.4			
1009	Setto	1053	1054	1085	1084	5	1	46.4			
1010	Setto	1054	1055	1086	1085	5	1	46.4			
1011	Setto	1055	1056	1087	1086	5	1	46.4			
1012	Setto	1056	1057	1088	1087	5	1	46.4			
1013	Setto	1057	1058	1089	1088	5	1	46.4			
1014	Setto	1058	1059	1090	1089	5	1	46.4			
1015	Setto	1059	1060	1091	1090	5	1	46.4			
1016	Setto	1060	1061	1092	1091	5	1	46.4			
1017	Setto	1061	1062	1093	1092	5	1	46.4			
1018	Setto	1062	1063	1094	1093	5	1	46.4			
1019	Setto	1063	1064	1095	1094	5	1	46.4			
1020	Setto	1064	1065	1096	1095	5	1	46.4			
1021	Setto	1065	1066	1097	1096	5	1	46.4			
1022	Setto	1066	1067	1098	1097	5	1	46.4			
1023	Setto	1067	1068	1099	1098	5	1	46.4			
1024	Setto	1068	1069	1100	1099	5	1	46.4			
1025	Setto	1069	1070	1101	1100	5	1	46.4			
1026	Setto	1070	1071	1102	1101	5	1	46.4			
1027	Setto	1071	1072	1103	1102	5	1	46.4			
1028	Setto	1072	1073	1104	1103	5	1	46.4			
1029	Setto	1073	1074	1105	1104	5	1	46.4			
1030	Setto	1074	1075	1106	1105	5	1	46.4			
1031	Setto	1075	1076	1107	1106	5	1	46.4			
1032	Setto	1076	1040	24	1107	5	1	46.4			
1033	Setto	23	1077	1112	1110	5	1	43.9			
1034	Setto	1077	15	1108	1112	5	1	43.9			
1035	Setto	16	1078	1113	1109	5	1	43.9			
1036	Setto	1078	1079	1114	1113	5	1	43.9			
1037	Setto	1079	1080	1115	1114	5	1	43.9			
1038	Setto	1080	1081	1116	1115	5	1	43.9			
1039	Setto	1081	1082	1117	1116	5	1	43.9			
1040	Setto	1082	1083	1118	1117	5	1	43.9			
1041	Setto	1083	1084	1119	1118	5	1	43.9			
1042	Setto	1084	1085	1120	1119	5	1	43.9			
1043	Setto	1085	1086	1121	1120	5	1	43.9			
1044	Setto	1086	1087	1122	1121	5	1	43.9			
1045	Setto	1087	1088	1123	1122	5	1	43.9			
1046	Setto	1088	1089	1124	1123	5	1	43.9			
1047	Setto	1089	1090	1125	1124	5	1	43.9			
1048	Setto	1090	1091	1126	1125	5	1	43.9			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1049	Setto	1091	1092	1127	1126	5	1	43.9			
1050	Setto	1092	1093	1128	1127	5	1	43.9			
1051	Setto	1093	1094	1129	1128	5	1	43.9			
1052	Setto	1094	1095	1130	1129	5	1	43.9			
1053	Setto	1095	1096	1131	1130	5	1	43.9			
1054	Setto	1096	1097	1132	1131	5	1	43.9			
1055	Setto	1097	1098	1133	1132	5	1	43.9			
1056	Setto	1098	1099	1134	1133	5	1	43.9			
1057	Setto	1099	1100	1135	1134	5	1	43.9			
1058	Setto	1100	1101	1136	1135	5	1	43.9			
1059	Setto	1101	1102	1137	1136	5	1	43.9			
1060	Setto	1102	1103	1138	1137	5	1	43.9			
1061	Setto	1103	1104	1139	1138	5	1	43.9			
1062	Setto	1104	1105	1140	1139	5	1	43.9			
1063	Setto	1105	1106	1141	1140	5	1	43.9			
1064	Setto	1106	1107	1142	1141	5	1	43.9			
1065	Setto	1107	24	1111	1142	5	1	43.9			
1066	Setto	1110	1112	1143	7	5	1	42.0			
1067	Setto	1112	1108	11	1143	5	1	42.0			
1068	Setto	1109	1113	1144	13	5	1	42.0			
1069	Setto	1113	1114	1145	1144	5	1	42.0			
1070	Setto	1114	1115	1146	1145	5	1	42.0			
1071	Setto	1115	1116	1147	1146	5	1	42.0			
1072	Setto	1116	1117	1148	1147	5	1	42.0			
1073	Setto	1117	1118	1149	1148	5	1	42.0			
1074	Setto	1118	1119	1150	1149	5	1	42.0			
1075	Setto	1119	1120	1151	1150	5	1	42.0			
1076	Setto	1120	1121	1152	1151	5	1	42.0			
1077	Setto	1121	1122	1153	1152	5	1	42.0			
1078	Setto	1122	1123	1154	1153	5	1	42.0			
1079	Setto	1123	1124	1155	1154	5	1	42.0			
1080	Setto	1124	1125	1156	1155	5	1	42.0			
1081	Setto	1125	1126	1157	1156	5	1	42.0			
1082	Setto	1126	1127	1158	1157	5	1	42.0			
1083	Setto	1127	1128	1159	1158	5	1	42.0			
1084	Setto	1128	1129	1160	1159	5	1	42.0			
1085	Setto	1129	1130	1161	1160	5	1	42.0			
1086	Setto	1130	1131	1162	1161	5	1	42.0			
1087	Setto	1131	1132	1163	1162	5	1	42.0			
1088	Setto	1132	1133	1164	1163	5	1	42.0			
1089	Setto	1133	1134	1165	1164	5	1	42.0			
1090	Setto	1134	1135	1166	1165	5	1	42.0			
1091	Setto	1135	1136	1167	1166	5	1	42.0			
1092	Setto	1136	1137	1168	1167	5	1	42.0			
1093	Setto	1137	1138	1169	1168	5	1	42.0			
1094	Setto	1138	1139	1170	1169	5	1	42.0			
1095	Setto	1139	1140	1171	1170	5	1	42.0			
1096	Setto	1140	1141	1172	1171	5	1	42.0			
1097	Setto	1141	1142	1173	1172	5	1	42.0			
1098	Setto	1142	1111	8	1173	5	1	42.0			
1099	Setto	7	1143	1175	1174	5	1	40.0			
1100	Setto	1174	1175	1177	1176	5	1	40.0			
1101	Setto	1176	1177	1179	1178	5	1	40.0			
1102	Setto	1178	1179	1181	1180	5	1	40.0			
1103	Setto	1180	1181	1183	1182	5	1	40.0			
1104	Setto	1182	1183	1184	9	5	1	40.0			
1105	Setto	1143	11	1185	1175	5	1	40.0			
1106	Setto	1175	1185	1186	1177	5	1	40.0			
1107	Setto	1177	1186	1187	1179	5	1	40.0			
1108	Setto	1179	1187	1188	1181	5	1	40.0			
1109	Setto	1181	1188	1189	1183	5	1	40.0			
1110	Setto	1183	1189	17	1184	5	1	40.0			
1111	Setto	13	1144	1191	1190	5	1	40.0			
1112	Setto	1190	1191	1193	1192	5	1	40.0			
1113	Setto	1192	1193	1195	1194	5	1	40.0			
1114	Setto	1194	1195	1197	1196	5	1	40.0			
1115	Setto	1196	1197	1199	1198	5	1	40.0			
1116	Setto	1198	1199	1200	18	5	1	40.0			
1117	Setto	1144	1145	1201	1191	5	1	40.0			
1118	Setto	1191	1201	1202	1193	5	1	40.0			
1119	Setto	1193	1202	1203	1195	5	1	40.0			
1120	Setto	1195	1203	1204	1197	5	1	40.0			
1121	Setto	1197	1204	1205	1199	5	1	40.0			
1122	Setto	1199	1205	1206	1200	5	1	40.0			
1123	Setto	1145	1146	1207	1201	5	1	40.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1124	Setto	1201	1207	1208	1202	5	1	40.0			
1125	Setto	1202	1208	1209	1203	5	1	40.0			
1126	Setto	1203	1209	1210	1204	5	1	40.0			
1127	Setto	1204	1210	1211	1205	5	1	40.0			
1128	Setto	1205	1211	1212	1206	5	1	40.0			
1129	Setto	1146	1147	1213	1207	5	1	40.0			
1130	Setto	1207	1213	1214	1208	5	1	40.0			
1131	Setto	1208	1214	1215	1209	5	1	40.0			
1132	Setto	1209	1215	1216	1210	5	1	40.0			
1133	Setto	1210	1216	1217	1211	5	1	40.0			
1134	Setto	1211	1217	1218	1212	5	1	40.0			
1135	Setto	1147	1148	1219	1213	5	1	40.0			
1136	Setto	1213	1219	1220	1214	5	1	40.0			
1137	Setto	1214	1220	1221	1215	5	1	40.0			
1138	Setto	1215	1221	1222	1216	5	1	40.0			
1139	Setto	1216	1222	1223	1217	5	1	40.0			
1140	Setto	1217	1223	1224	1218	5	1	40.0			
1141	Setto	1148	1149	1225	1219	5	1	40.0			
1142	Setto	1219	1225	1226	1220	5	1	40.0			
1143	Setto	1220	1226	1227	1221	5	1	40.0			
1144	Setto	1221	1227	1228	1222	5	1	40.0			
1145	Setto	1222	1228	1229	1223	5	1	40.0			
1146	Setto	1223	1229	1230	1224	5	1	40.0			
1147	Setto	1149	1150	1231	1225	5	1	40.0			
1148	Setto	1225	1231	1232	1226	5	1	40.0			
1149	Setto	1226	1232	1233	1227	5	1	40.0			
1150	Setto	1227	1233	1234	1228	5	1	40.0			
1151	Setto	1228	1234	1235	1229	5	1	40.0			
1152	Setto	1229	1235	1236	1230	5	1	40.0			
1153	Setto	1150	1151	1237	1231	5	1	40.0			
1154	Setto	1231	1237	1238	1232	5	1	40.0			
1155	Setto	1232	1238	1239	1233	5	1	40.0			
1156	Setto	1233	1239	1240	1234	5	1	40.0			
1157	Setto	1234	1240	1241	1235	5	1	40.0			
1158	Setto	1235	1241	1242	1236	5	1	40.0			
1159	Setto	1151	1152	1243	1237	5	1	40.0			
1160	Setto	1237	1243	1244	1238	5	1	40.0			
1161	Setto	1238	1244	1245	1239	5	1	40.0			
1162	Setto	1239	1245	1246	1240	5	1	40.0			
1163	Setto	1240	1246	1247	1241	5	1	40.0			
1164	Setto	1241	1247	1248	1242	5	1	40.0			
1165	Setto	1152	1153	1249	1243	5	1	40.0			
1166	Setto	1243	1249	1250	1244	5	1	40.0			
1167	Setto	1244	1250	1251	1245	5	1	40.0			
1168	Setto	1245	1251	1252	1246	5	1	40.0			
1169	Setto	1246	1252	1253	1247	5	1	40.0			
1170	Setto	1247	1253	1254	1248	5	1	40.0			
1171	Setto	1153	1154	1255	1249	5	1	40.0			
1172	Setto	1249	1255	1256	1250	5	1	40.0			
1173	Setto	1250	1256	1257	1251	5	1	40.0			
1174	Setto	1251	1257	1258	1252	5	1	40.0			
1175	Setto	1252	1258	1259	1253	5	1	40.0			
1176	Setto	1253	1259	1260	1254	5	1	40.0			
1177	Setto	1154	1155	1261	1255	5	1	40.0			
1178	Setto	1255	1261	1262	1256	5	1	40.0			
1179	Setto	1256	1262	1263	1257	5	1	40.0			
1180	Setto	1257	1263	1264	1258	5	1	40.0			
1181	Setto	1258	1264	1265	1259	5	1	40.0			
1182	Setto	1259	1265	1266	1260	5	1	40.0			
1183	Setto	1155	1156	1267	1261	5	1	40.0			
1184	Setto	1261	1267	1268	1262	5	1	40.0			
1185	Setto	1262	1268	1269	1263	5	1	40.0			
1186	Setto	1263	1269	1270	1264	5	1	40.0			
1187	Setto	1264	1270	1271	1265	5	1	40.0			
1188	Setto	1265	1271	1272	1266	5	1	40.0			
1189	Setto	1156	1157	1273	1267	5	1	40.0			
1190	Setto	1267	1273	1274	1268	5	1	40.0			
1191	Setto	1268	1274	1275	1269	5	1	40.0			
1192	Setto	1269	1275	1276	1270	5	1	40.0			
1193	Setto	1270	1276	1277	1271	5	1	40.0			
1194	Setto	1271	1277	1278	1272	5	1	40.0			
1195	Setto	1157	1158	1279	1273	5	1	40.0			
1196	Setto	1273	1279	1280	1274	5	1	40.0			
1197	Setto	1274	1280	1281	1275	5	1	40.0			
1198	Setto	1275	1281	1282	1276	5	1	40.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1199	Setto	1276	1282	1283	1277	5	1	40.0			
1200	Setto	1277	1283	1284	1278	5	1	40.0			
1201	Setto	1158	1159	1285	1279	5	1	40.0			
1202	Setto	1279	1285	1286	1280	5	1	40.0			
1203	Setto	1280	1286	1287	1281	5	1	40.0			
1204	Setto	1281	1287	1288	1282	5	1	40.0			
1205	Setto	1282	1288	1289	1283	5	1	40.0			
1206	Setto	1283	1289	1290	1284	5	1	40.0			
1207	Setto	1159	1160	1291	1285	5	1	40.0			
1208	Setto	1285	1291	1292	1286	5	1	40.0			
1209	Setto	1286	1292	1293	1287	5	1	40.0			
1210	Setto	1287	1293	1294	1288	5	1	40.0			
1211	Setto	1288	1294	1295	1289	5	1	40.0			
1212	Setto	1289	1295	1296	1290	5	1	40.0			
1213	Setto	1160	1161	1297	1291	5	1	40.0			
1214	Setto	1291	1297	1298	1292	5	1	40.0			
1215	Setto	1292	1298	1299	1293	5	1	40.0			
1216	Setto	1293	1299	1300	1294	5	1	40.0			
1217	Setto	1294	1300	1301	1295	5	1	40.0			
1218	Setto	1295	1301	1302	1296	5	1	40.0			
1219	Setto	1161	1162	1303	1297	5	1	40.0			
1220	Setto	1297	1303	1304	1298	5	1	40.0			
1221	Setto	1298	1304	1305	1299	5	1	40.0			
1222	Setto	1299	1305	1306	1300	5	1	40.0			
1223	Setto	1300	1306	1307	1301	5	1	40.0			
1224	Setto	1301	1307	1308	1302	5	1	40.0			
1225	Setto	1162	1163	1309	1303	5	1	40.0			
1226	Setto	1303	1309	1310	1304	5	1	40.0			
1227	Setto	1304	1310	1311	1305	5	1	40.0			
1228	Setto	1305	1311	1312	1306	5	1	40.0			
1229	Setto	1306	1312	1313	1307	5	1	40.0			
1230	Setto	1307	1313	1314	1308	5	1	40.0			
1231	Setto	1163	1164	1315	1309	5	1	40.0			
1232	Setto	1309	1315	1316	1310	5	1	40.0			
1233	Setto	1310	1316	1317	1311	5	1	40.0			
1234	Setto	1311	1317	1318	1312	5	1	40.0			
1235	Setto	1312	1318	1319	1313	5	1	40.0			
1236	Setto	1313	1319	1320	1314	5	1	40.0			
1237	Setto	1164	1165	1321	1315	5	1	40.0			
1238	Setto	1315	1321	1322	1316	5	1	40.0			
1239	Setto	1316	1322	1323	1317	5	1	40.0			
1240	Setto	1317	1323	1324	1318	5	1	40.0			
1241	Setto	1318	1324	1325	1319	5	1	40.0			
1242	Setto	1319	1325	1326	1320	5	1	40.0			
1243	Setto	1165	1166	1327	1321	5	1	40.0			
1244	Setto	1321	1327	1328	1322	5	1	40.0			
1245	Setto	1322	1328	1329	1323	5	1	40.0			
1246	Setto	1323	1329	1330	1324	5	1	40.0			
1247	Setto	1324	1330	1331	1325	5	1	40.0			
1248	Setto	1325	1331	1332	1326	5	1	40.0			
1249	Setto	1166	1167	1333	1327	5	1	40.0			
1250	Setto	1327	1333	1334	1328	5	1	40.0			
1251	Setto	1328	1334	1335	1329	5	1	40.0			
1252	Setto	1329	1335	1336	1330	5	1	40.0			
1253	Setto	1330	1336	1337	1331	5	1	40.0			
1254	Setto	1331	1337	1338	1332	5	1	40.0			
1255	Setto	1167	1168	1339	1333	5	1	40.0			
1256	Setto	1333	1339	1340	1334	5	1	40.0			
1257	Setto	1334	1340	1341	1335	5	1	40.0			
1258	Setto	1335	1341	1342	1336	5	1	40.0			
1259	Setto	1336	1342	1343	1337	5	1	40.0			
1260	Setto	1337	1343	1344	1338	5	1	40.0			
1261	Setto	1168	1169	1345	1339	5	1	40.0			
1262	Setto	1339	1345	1346	1340	5	1	40.0			
1263	Setto	1340	1346	1347	1341	5	1	40.0			
1264	Setto	1341	1347	1348	1342	5	1	40.0			
1265	Setto	1342	1348	1349	1343	5	1	40.0			
1266	Setto	1343	1349	1350	1344	5	1	40.0			
1267	Setto	1169	1170	1351	1345	5	1	40.0			
1268	Setto	1345	1351	1352	1346	5	1	40.0			
1269	Setto	1346	1352	1353	1347	5	1	40.0			
1270	Setto	1347	1353	1354	1348	5	1	40.0			
1271	Setto	1348	1354	1355	1349	5	1	40.0			
1272	Setto	1349	1355	1356	1350	5	1	40.0			
1273	Setto	1170	1171	1357	1351	5	1	40.0			

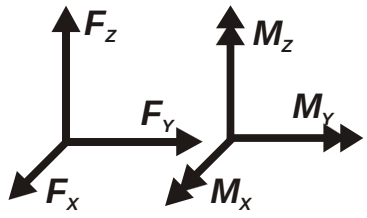
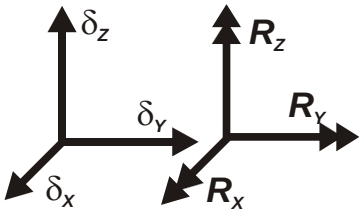
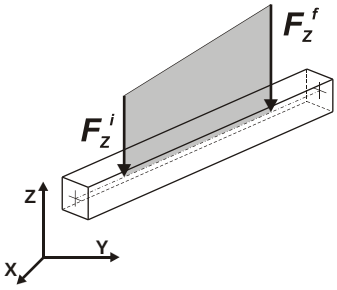
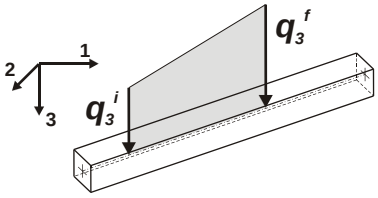
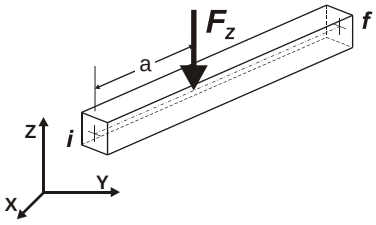
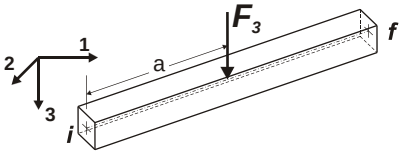
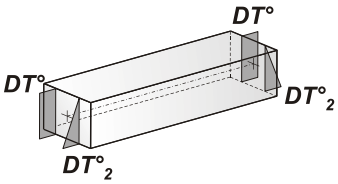
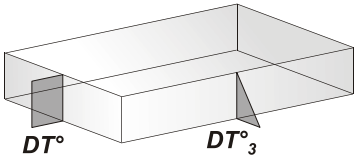
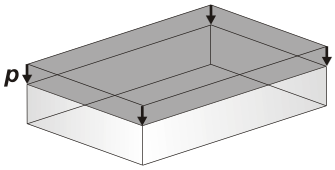
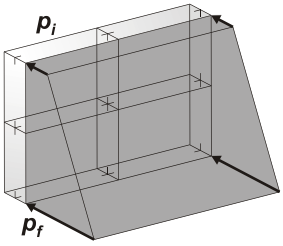
Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1274	Setto	1351	1357	1358	1352	5	1	40.0			
1275	Setto	1352	1358	1359	1353	5	1	40.0			
1276	Setto	1353	1359	1360	1354	5	1	40.0			
1277	Setto	1354	1360	1361	1355	5	1	40.0			
1278	Setto	1355	1361	1362	1356	5	1	40.0			
1279	Setto	1171	1172	1363	1357	5	1	40.0			
1280	Setto	1357	1363	1364	1358	5	1	40.0			
1281	Setto	1358	1364	1365	1359	5	1	40.0			
1282	Setto	1359	1365	1366	1360	5	1	40.0			
1283	Setto	1360	1366	1367	1361	5	1	40.0			
1284	Setto	1361	1367	1368	1362	5	1	40.0			
1285	Setto	1172	1173	1369	1363	5	1	40.0			
1286	Setto	1363	1369	1370	1364	5	1	40.0			
1287	Setto	1364	1370	1371	1365	5	1	40.0			
1288	Setto	1365	1371	1372	1366	5	1	40.0			
1289	Setto	1366	1372	1373	1367	5	1	40.0			
1290	Setto	1367	1373	1374	1368	5	1	40.0			
1291	Setto	1173	8	1375	1369	5	1	40.0			
1292	Setto	1369	1375	1376	1370	5	1	40.0			
1293	Setto	1370	1376	1377	1371	5	1	40.0			
1294	Setto	1371	1377	1378	1372	5	1	40.0			
1295	Setto	1372	1378	1379	1373	5	1	40.0			
1296	Setto	1373	1379	10	1374	5	1	40.0			

9.2.3 Modellazione delle azioni

LEGENDA TABELLA DATI AZIONI

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

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

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

Tipo	carico di pressione uniforme su piastra

Id	Tipo	pressione
		kN/ m2
3	Statica: Spinta traffico param. vert.-P3:p=-8.850e-02	-8.85
4	Statica: Spinta traffico param. incl.-P3:p=-0.11	-10.80
6	Statica: Peso terreno valle-P3:p=-0.56	-55.70
23	Sismica (Kv+/Kv-): Inerzia orizz. terreno monte-P3:p=-2.530e-02	-2.53
24	Sismica (Kv+): peso prop. + inerzia vert. terreno monte-P3:p=-1.18	-117.80
25	Sismica (Kv+): Peso prop. + Inerzia vert. terreno valle-P3:p=-0.56	-56.39
29	Sismica (Kv-): peso prop. + inerzia vert. terreno monte-P3:p=-1.15	-114.80
30	Sismica (Kv-): Peso prop. + Inerzia vert. terreno valle-P3:p=-0.55	-54.95

Tipo	carico di pressione variabile su piastra

Id	Tipo	pressione	quota	pressione	quota
		kN/ m2	m	kN/ m2	m
1	Statica: Spinta attiva param. vert.-PL3:pi=0.0 qi=530.00 pf=-0.13 qf=375.00	0.0	5.30	-13.04	3.75

Id	Tipo	pressione	quota	pressione	quota
2	Statica: Spinta attiva param. incl.-PL3:pi=-0.16 qi=375.00 pf=-0.47 qf=75.00	-15.90	3.75	-46.70	0.75
7	Sismica (Kv+): Spinta terreno monte-PL3:pi=0.0 qi=530.00 pf=-0.55 qf=75.00	0.0	5.30	-54.97	0.75
26	Sismica (Kv-): Spinta terreno monte-PL3:pi=0.0 qi=530.00 pf=-0.54 qf=75.00	0.0	5.30	-53.80	0.75

Tipo	carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		m	kN/ m2	m	kN/ m2
5	Statica: Peso rilevato monte-QV:var x - Qz - Pres.				
	X - X Qz Pres. L2=0.0	2.00	-83.60	5.60	-134.90
8	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.70-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.46		
9	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.67-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.44		
10	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.64-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.42		
11	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.61-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.40		
12	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.58-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.38		
13	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.55-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.36		
14	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.52-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.34		
15	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.49-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.32		
16	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.464-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.30		
17	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.439-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.28		
18	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.42-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.27		
19	Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.40-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.26		
20	Sismica (Kv+/Kv-): Inerzia orizz. fondazi.-QV:unif - Qx - Area				
	Unif. Qx Area L2=0.0		-0.49		
21	Sismica (Kv+): Inerzia vert. param.-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		-0.16		
22	Sismica (Kv+): Inerzia vert. fondaz.-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		-0.24		
27	Sismica (Kv-): Inerzia vert. param.-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		0.16		
28	Sismica (Kv-): Inerzia vert. fondaz.-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		0.24		

9.2.4 Schematizzazione dei casi di carico

LEGENDA TABELLA CASI DI CARICO

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

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

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

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

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

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

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

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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gk	Statica: Spinta attiva terreno monte	Azioni applicate:
			D3 :da 704 a 1098 Azione : Statica: Spinta attiva param. incl.-PL3:pi=-0.16 qi=375.00 pf=-0.47 qf=75.00
			D3 :da 1099 a 1296 Azione : Statica: Spinta attiva param. vert.-PL3:pi=0.0 qi=530.00 pf=-0.13 qf=375.00
3	Qk	Statica: Spinta variabile traffico	Azioni applicate:
			D3 :da 704 a 1098 Azione : Statica: Spinta traffico param. incl.-P3:p=-0.11

CDC	Tipo	Sigla Id	Note
			D3 :da 1099 a 1296 Azione : Statica: Spinta traffico param. vert.-P3:p=-8.850e-02
4	Gk	Statica: Peso terreno monte	Azioni applicate:
			D3 :da 1 a 24 Azione : Statica: Peso rilevato monte-QV:var x - Qz - Pres.
			D3 :da 39 a 86 Azione : Statica: Peso rilevato monte-QV:var x - Qz - Pres.
			D3 :da 115 a 486 Azione : Statica: Peso rilevato monte-QV:var x - Qz - Pres.
5	Gk	Statica: Peso terreno valle	Azioni applicate:
			D3 :da 31 a 38 Azione : Statica: Peso terreno valle-P3:p=-0.56
			D3 :da 99 a 114 Azione : Statica: Peso terreno valle-P3:p=-0.56
			D3 :da 580 a 703 Azione : Statica: Peso terreno valle-P3:p=-0.56
6	Gk	Sismica (Kv+): Spinta terreno monte	Azioni applicate:
			D3 :da 704 a 1296 Azione : Sismica (Kv+): Spinta terreno monte-PL3:pi=0.0 qi=530.00 pf=-0.55 qf=75.00
7	Gk	Sismica (Kv+/Kv-): Inerzia orizz. muro	Azioni applicate:
			D3 :da 1 a 703 Azione : Sismica (Kv+/Kv-): Inerzia orizz. fondazi.-QV:unif - Qx - Area
			D3 :da 704 a 740 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.70-QV:unif - Qx - Area
			D3 :da 741 a 777 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.67-QV:unif - Qx - Area
			D3 :da 778 a 814 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.64-QV:unif - Qx - Area
			D3 :da 815 a 851 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.61-QV:unif - Qx - Area
			D3 :da 852 a 888 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.58-QV:unif - Qx - Area
			D3 :da 889 a 925 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.55-QV:unif - Qx - Area
			D3 :da 926 a 962 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.52-QV:unif - Qx - Area
			D3 :da 963 a 999 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.49-QV:unif - Qx - Area
			D3 :da 1000 a 1032 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.464-QV:unif - Qx - Area
			D3 :da 1033 a 1065 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.439-QV:unif - Qx - Area
			D3 :da 1066 a 1098 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.42-QV:unif - Qx - Area
			D3 :da 1099 a 1296 Azione : Sismica (Kv+/Kv-): Inerzia orizz. param. s=0.40-QV:unif - Qx - Area
8	Gk	Sismica (Kv+): Inerzia verticale muro	Azioni applicate:
			D3 :da 1 a 703 Azione : Sismica (Kv+): Inerzia vert. fondaz.-QV:unif - Qz - Area
			D3 :da 704 a 1296 Azione : Sismica (Kv+): Inerzia vert. param.-QV:unif - Qz - Area
9	Gk	Sismica (Kv+/Kv-): Inerzia orizz. terreno monte	Azioni applicate:
			D3 :da 704 a 1296 Azione : Sismica (Kv+/Kv-): Inerzia orizz. terreno monte-P3:p=-2.530e-02
10	Gk	Sismica (Kv+): Peso prop. + inerzia terreno monte/valle	Azioni applicate:
			D3 :da 1 a 24 Azione : Sismica (Kv+): peso prop. + inerzia vert. terreno monte-P3:p=-1.18
			D3 :da 31 a 38 Azione : Sismica (Kv+): Peso prop. + Inerzia vert. terreno valle-P3:p=-0.56
			D3 :da 39 a 86 Azione : Sismica (Kv+): peso prop. + inerzia vert. terreno monte-P3:p=-1.18
			D3 :da 99 a 114 Azione : Sismica (Kv+): Peso prop. + Inerzia vert. terreno valle-P3:p=-0.56
			D3 :da 115 a 486 Azione : Sismica (Kv+): peso prop. + inerzia vert. terreno monte-P3:p=-1.18
			D3 :da 580 a 703 Azione : Sismica (Kv+): Peso prop. + Inerzia vert. terreno valle-P3:p=-0.56
11	Gk	Sismica (Kv-): Spinta terreno monte	Azioni applicate:
			D3 :da 704 a 1296 Azione : Sismica (Kv-): Spinta terreno monte-PL3:pi=0.0 qi=530.00 pf=-0.54 qf=75.00
12	Gk	Sismica (Kv-): Inerzia verticale muro	Azioni applicate:
			D3 :da 1 a 703 Azione : Sismica (Kv-): Inerzia vert. fondaz.-QV:unif - Qz - Area
			D3 :da 704 a 1296 Azione : Sismica (Kv-): Inerzia vert. param.-QV:unif - Qz - Area
13	Gk	Sismica (Kv-): Peso prop. + inerzia vert. terreno monte/valle	Azioni applicate:
			D3 :da 1 a 24 Azione : Sismica (Kv-): peso prop. + inerzia

CDC	Tipo	Sigla Id	Note
			vert. terreno monte-P3:p=-1.15
			D3 :da 31 a 38 Azione : Sismica (Kv-): Peso prop. + Inerzia vert. terreno valle-P3:p=-0.55
			D3 :da 39 a 86 Azione : Sismica (Kv-): peso prop. + inerzia vert. terreno monte-P3:p=-1.15
			D3 :da 99 a 114 Azione : Sismica (Kv-): Peso prop. + Inerzia vert. terreno valle-P3:p=-0.55
			D3 :da 115 a 486 Azione : Sismica (Kv-): peso prop. + inerzia vert. terreno monte-P3:p=-1.15
			D3 :da 580 a 703 Azione : Sismica (Kv-): Peso prop. + Inerzia vert. terreno valle-P3:p=-0.55

9.2.5 Definizione delle combinazioni

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

***Combinazione fondamentale** SLU*

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

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

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

***Combinazione frequente** SLE*

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

***Combinazione quasi permanente** SLE*

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

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

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

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

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

Dove:

NTC 2018 Tabella 2.5.I

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

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

NTC 2018 Tabella 2.6.I

		Coefficiente γf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli* *Sfavorevoli*	*γG1*	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*
Carichi permanenti	*Favorevoli*	*γG2*	*0,8*	*0,8*	*0,8*

non strutturali *(Non compiutamente definiti)*	*Sfavorevoli*		*1,5*	*1,5*	*1,3*
Carichi variabili	*Favorevoli*	*γQi*	*0,0*	*0,0*	*0,0*
	Sfavorevoli		*1,5*	*1,5*	*1,3*

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 15	
16	SLU	Comb. SLU A1 16	
17	SLU	Comb. SLU A1 17	
18	SLU	Comb. SLU A1 18	
19	SLU	Comb. SLU A1 19	
20	SLU	Comb. SLU A1 20	
21	SLU	Comb. SLU A1 21	
22	SLU	Comb. SLU A1 22	
23	SLU	Comb. SLU A1 23	
24	SLU	Comb. SLU A1 24	
25	SLU	Comb. SLU A1 25	
26	SLU	Comb. SLU A1 26	
27	SLU	Comb. SLU A1 27	
28	SLU	Comb. SLU A1 28	
29	SLU	Comb. SLU A1 29	
30	SLU	Comb. SLU A1 30	
31	SLU	Comb. SLU A1 31	
32	SLU	Comb. SLU A1 32	
33	SLV	Combinazione 33	
34	SLV	Combinazione 34	
35	SLE(r)	Comb. SLE(rara) 35	
36	SLE(r)	Comb. SLE(rara) 36	
37	SLE(f)	Comb. SLE(freq.) 37	
38	SLE(f)	Comb. SLE(freq.) 38	
39	SLE(p)	Comb. SLE(perm.) 39	

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

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
23	1.00	1.30	1.50	1.00	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24	1.00	1.30	1.50	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	1.00	1.00	0.0	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	1.00	1.00	0.0	1.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	1.00	1.00	0.0	1.00	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	1.00	1.00	1.50	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
30	1.00	1.00	1.50	1.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
31	1.00	1.00	1.50	1.00	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
32	1.00	1.00	1.50	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
33	1.00	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	
34	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	1.00	1.00	1.00	
35	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
36	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
37	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
38	1.00	1.00	0.75	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
39	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

9.2.6 Verifiche elementi pareti e/o guscio in C.A.

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

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

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

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

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

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

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

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

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

Simbologia adottata nelle tabelle di verifica

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

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

	Singolo Elemento NON DISSIPATIVO

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

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

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

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

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

Per le verifiche degli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*", oltre alla tabella

con le verifiche per gli elementi con progettazione "*Singolo Elemento …*", è presente una tabella con i simboli di seguito descritti:

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

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

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

Quota	Ascissa verticale di riferimento

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

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

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

PROGETTAZIONE DELLE FONDAZIONI

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

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

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

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

Le verifiche geotecniche vengono effettuate dal modulo geotecnico incrementando automaticamente le

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

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

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									kN/ m	kN/ m	kN/ m	kN	kN	kN
5	ok	0.07	0.8	2.82e-02	10.1	15.7	7.7	7.7	-255.2	-105.1	100.0	341.7	33.3	-43.0
6	ok	0.07	0.8	3.13e-02	10.1	15.7	7.7	7.7	-276.1	-123.2	-115.6	391.4	37.3	49.2
7	ok	0.13	0.1	3.25e-03	10.1	15.7	7.7	7.7	-22.3	-2.1	-2.2	27.0	-7.52e-02	0.7
8	ok	0.13	0.1	4.20e-03	10.1	15.7	7.7	7.7	-29.0	-1.8	2.2	24.7	5.18e-04	-1.2
9	ok	0.13	3.10e-03	3.54e-04	10.1	15.7	7.7	7.7	-1.9	1.3	-1.3	0.4	-0.2	0.2
10	ok	0.13	3.07e-03	3.33e-04	10.1	15.7	7.7	7.7	-1.7	1.7	1.4	0.4	-5.57e-02	-0.3
11	ok	0.13	0.1	3.24e-03	10.1	15.7	7.7	7.7	-22.2	-1.8	2.2	26.9	-0.1	-0.7
12	ok	0.07	0.7	1.42e-02	10.1	15.7	7.7	7.7	-79.5	-105.0	57.1	295.0	47.6	-15.8
13	ok	0.13	0.2	5.46e-03	10.1	15.7	7.7	7.7	-37.6	-1.5	-2.5	33.5	-0.2	0.6
14	ok	0.07	0.8	5.72e-03	10.1	15.7	7.7	7.7	-48.1	-28.8	21.0	328.5	63.7	-3.9
15	ok	0.11	0.2	3.55e-03	10.1	15.7	15.4	15.4	-25.0	-0.7	2.1	42.9	-5.2	-4.5
16	ok	0.11	0.3	8.42e-03	10.1	15.7	15.4	15.4	-50.3	23.9	-11.3	55.3	-9.9	6.6
17	ok	0.13	3.07e-03	3.51e-04	10.1	15.7	7.7	7.7	-1.8	1.3	1.3	0.4	-0.2	-0.3
18	ok	0.13	3.12e-03	3.57e-04	10.1	15.7	7.7	7.7	-1.9	1.6	-1.4	0.3	-0.2	0.3
23	ok	0.11	0.2	3.92e-03	10.1	15.7	7.7	7.7	-29.6	-2.8	-1.4	44.0	-0.5	0.9
24	ok	0.11	0.2	4.70e-03	10.1	15.7	7.7	7.7	-35.4	-3.2	1.8	42.2	-0.3	-1.3
68	ok	0.07	0.7	2.02e-02	10.1	15.7	7.7	7.7	-124.9	-130.2	88.2	285.2	40.5	-26.0
138	ok	0.07	0.8	1.03e-02	10.1	15.7	7.7	7.7	-59.4	-78.7	39.4	306.8	53.6	-9.8
139	ok	0.07	0.8	7.83e-03	10.1	15.7	7.7	7.7	-51.5	-57.2	28.8	316.0	58.0	-6.4
140	ok	0.07	0.8	6.42e-03	10.1	15.7	7.7	7.7	-48.6	-40.9	23.8	323.0	61.3	-4.7
620	ok	0.07	0.8	5.76e-03	10.1	15.7	7.7	7.7	-50.0	-20.4	20.1	333.7	65.4	-3.6
621	ok	0.07	0.8	5.85e-03	10.1	15.7	7.7	7.7	-52.3	-15.6	19.6	338.3	66.6	-3.5
622	ok	0.07	0.8	5.95e-03	10.1	15.7	7.7	7.7	-54.7	-13.4	19.4	342.5	67.4	-3.4
623	ok	0.07	0.9	6.05e-03	10.1	15.7	7.7	7.7	-56.7	-12.8	19.2	346.2	68.0	-3.4
624	ok	0.07	0.9	6.13e-03	10.1	15.7	7.7	7.7	-58.5	-13.2	19.0	349.5	68.4	-3.3
625	ok	0.07	0.9	6.20e-03	10.1	15.7	7.7	7.7	-59.9	-13.9	18.7	352.5	68.8	-3.2
626	ok	0.07	0.9	6.25e-03	10.1	15.7	7.7	7.7	-61.0	-14.6	18.5	355.0	69.1	-3.1
627	ok	0.07	0.9	6.29e-03	10.1	15.7	7.7	7.7	-61.8	-15.2	18.2	357.2	69.5	-2.9
628	ok	0.07	0.9	6.32e-03	10.1	15.7	7.7	7.7	-62.4	-15.6	18.0	359.1	69.8	-2.8
629	ok	0.07	0.9	6.35e-03	10.1	15.7	7.7	7.7	-62.9	-15.8	17.7	360.7	70.0	-2.7
630	ok	0.07	0.9	6.36e-03	10.1	15.7	7.7	7.7	-63.2	-15.9	17.6	362.0	70.3	-2.6
631	ok	0.07	0.9	6.37e-03	10.1	15.7	7.7	7.7	-63.3	-15.9	17.5	363.2	70.5	-2.6
632	ok	0.07	0.9	6.38e-03	10.1	15.7	7.7	7.7	-63.3	-16.0	17.5	364.1	70.8	-2.5
633	ok	0.07	0.9	6.38e-03	10.1	15.7	7.7	7.7	-63.2	-16.1	17.6	365.0	70.9	-2.5
634	ok	0.07	0.9	6.38e-03	10.1	15.7	7.7	7.7	-62.9	-16.3	17.7	365.7	71.1	-2.5
635	ok	0.07	0.9	6.38e-03	10.1	15.7	7.7	7.7	-62.4	-16.7	17.8	366.3	71.2	-2.5
636	ok	0.07	0.9	6.37e-03	10.1	15.7	7.7	7.7	-61.8	-17.4	18.1	366.8	71.3	-2.5
637	ok	0.07	0.9	6.35e-03	10.1	15.7	7.7	7.7	-61.0	-18.4	18.3	367.3	71.4	-2.6
638	ok	0.07	0.9	6.32e-03	10.1	15.7	7.7	7.7	-59.9	-19.8	18.6	367.7	71.4	-2.6
639	ok	0.07	0.9	6.29e-03	10.1	15.7	7.7	7.7	-58.6	-21.7	18.7	368.1	71.4	-2.6
640	ok	0.07	0.9	6.25e-03	10.1	15.7	7.7	7.7	-57.2	-24.3	18.8	368.3	71.3	-2.6
641	ok	0.07	0.9	6.22e-03	10.1	15.7	7.7	7.7	-55.6	-27.8	18.6	368.5	71.2	-2.5
642	ok	0.07	0.9	6.20e-03	10.1	15.7	7.7	7.7	-54.0	-32.5	18.0	368.5	70.9	-2.3
643	ok	0.07	0.9	6.22e-03	10.1	15.7	7.7	7.7	-52.8	-38.8	16.8	368.2	70.4	-1.8
644	ok	0.07	0.9	6.44e-03	10.1	15.7	7.7	7.7	-52.4	-47.6	-18.8	367.2	69.3	1.6
645	ok	0.07	0.9	7.48e-03	10.1	15.7	7.7	7.7	-53.7	-59.7	-22.8	365.2	67.7	3.0
646	ok	0.07	0.9	9.27e-03	10.1	15.7	7.7	7.7	-58.1	-76.5	-29.8	361.6	65.0	5.3
647	ok	0.07	0.9	1.21e-02	10.1	15.7	7.7	7.7	-68.3	-99.4	-42.2	355.0	60.9	9.3
648	ok	0.07	0.8	1.66e-02	10.1	15.7	7.7	7.7	-92.4	-129.2	-62.9	344.7	54.3	16.2
649	ok	0.07	0.8	2.36e-02	10.1	15.7	7.7	7.7	-144.0	-159.6	-99.2	334.3	45.3	28.0
773	ok	0.07	0.6	8.59e-03	10.1	15.7	7.7	7.7	-54.6	55.5	-46.1	246.8	-17.1	9.1
774	ok	0.07	0.7	9.56e-03	10.1	15.7	7.7	7.7	-62.8	64.2	52.1	283.8	-18.5	-9.9
775	ok	0.07	0.6	1.35e-02	10.1	15.7	7.7	7.7	-100.1	-58.4	62.9	252.7	27.5	-23.8
776	ok	0.07	0.7	6.64e-03	10.1	15.7	7.7	7.7	-52.3	-35.2	26.1	272.2	51.2	-15.0
777	ok	0.07	0.6	1.90e-02	10.1	15.7	7.7	7.7	-179.6	-20.9	69.5	264.2	14.6	-35.5
778	ok	0.07	0.7	1.09e-02	10.1	15.7	7.7	7.7	-73.0	-59.6	50.3	256.6	36.6	-19.4
779	ok	0.07	0.7	8.97e-03	10.1	15.7	7.7	7.7	-59.6	-52.6	39.7	262.0	43.3	-16.9
780	ok	0.07	0.7	7.55e-03	10.1	15.7	7.7	7.7	-54.1	-43.6	31.3	267.2	48.0	-15.6
781	ok	0.07	0.7	5.99e-03	10.1	15.7	7.7	7.7	-52.2	-28.4	21.1	277.2	53.5	-14.7
782	ok	0.07	0.7	5.90e-03	10.1	15.7	7.7	7.7	-53.7	-23.5	18.2	281.8	54.9	-14.6
783	ok	0.07	0.7	5.95e-03	10.1	15.7	7.7	7.7	-55.6	-20.4	16.1	286.0	55.8	-14.4

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
784	ok	0.07	0.7	6.00e-03	10.1	15.7	7.7	7.7	-57.4	-18.7	14.7	289.7	56.4	-14.1
785	ok	0.07	0.8	6.06e-03	10.1	15.7	7.7	7.7	-58.9	-17.9	13.8	292.9	56.8	-13.7
786	ok	0.07	0.8	6.11e-03	10.1	15.7	7.7	7.7	-60.2	-17.7	13.3	295.7	57.1	-13.3
787	ok	0.07	0.8	6.16e-03	10.1	15.7	7.7	7.7	-61.3	-17.7	13.0	298.1	57.5	-12.7
788	ok	0.07	0.8	6.19e-03	10.1	15.7	7.7	7.7	-62.0	-17.8	12.8	300.2	57.8	-12.2
789	ok	0.07	0.8	6.22e-03	10.1	15.7	7.7	7.7	-62.6	-17.9	12.7	301.9	58.1	-11.7
790	ok	0.07	0.8	6.24e-03	10.1	15.7	7.7	7.7	-63.0	-18.0	12.6	303.3	58.4	-11.1
791	ok	0.07	0.8	6.26e-03	10.1	15.7	7.7	7.7	-63.3	-18.1	12.5	304.5	58.7	-10.6
792	ok	0.07	0.8	6.27e-03	10.1	15.7	7.7	7.7	-63.4	-18.1	12.4	305.5	59.0	-10.2
793	ok	0.07	0.8	6.28e-03	10.1	15.7	7.7	7.7	-63.3	-18.3	12.3	306.4	59.2	-9.8
794	ok	0.07	0.8	6.29e-03	10.1	15.7	7.7	7.7	-63.2	-18.5	12.2	307.1	59.4	-9.4
795	ok	0.07	0.8	6.29e-03	10.1	15.7	7.7	7.7	-62.9	-18.9	12.2	307.7	59.6	-9.0
796	ok	0.07	0.8	6.29e-03	10.1	15.7	7.7	7.7	-62.4	-19.5	12.1	308.3	59.7	-8.6
797	ok	0.07	0.8	6.29e-03	10.1	15.7	7.7	7.7	-61.7	-20.4	12.0	308.7	59.8	-8.3
798	ok	0.07	0.8	6.27e-03	10.1	15.7	7.7	7.7	-60.9	-21.7	11.9	309.0	59.9	-7.9
799	ok	0.07	0.8	6.25e-03	10.1	15.7	7.7	7.7	-59.9	-23.3	11.7	309.3	59.8	-7.6
800	ok	0.07	0.8	6.23e-03	10.1	15.7	7.7	7.7	-58.8	-25.5	11.3	309.4	59.7	-7.2
801	ok	0.07	0.8	6.22e-03	10.1	15.7	7.7	7.7	-57.6	-28.4	10.6	309.5	59.5	-6.8
802	ok	0.07	0.8	6.22e-03	10.1	15.7	7.7	7.7	-56.5	-32.1	9.4	309.4	59.2	-6.3
803	ok	0.07	0.8	6.25e-03	10.1	15.7	7.7	7.7	-55.6	-36.7	7.6	309.1	58.6	-5.7
804	ok	0.07	0.8	6.36e-03	10.1	15.7	7.7	7.7	-55.5	-42.6	4.7	308.4	57.5	-4.9
805	ok	0.07	0.8	7.10e-03	10.1	15.7	7.7	7.7	-56.6	-49.9	0.3	307.3	55.9	-3.7
806	ok	0.07	0.8	8.29e-03	10.1	15.7	7.7	7.7	-60.0	-58.5	-29.2	305.6	53.2	2.6
807	ok	0.07	0.8	1.00e-02	10.1	15.7	7.7	7.7	-67.4	-68.1	-39.2	302.9	49.0	5.1
808	ok	0.07	0.8	1.24e-02	10.1	15.7	7.7	7.7	-83.5	-76.0	-52.6	299.3	42.5	9.0
809	ok	0.07	0.7	1.56e-02	10.1	15.7	7.7	7.7	-115.6	-74.6	-69.2	296.1	32.9	15.0
810	ok	0.07	0.7	2.21e-02	10.1	15.7	7.7	7.7	-208.9	-28.7	-80.1	307.8	19.3	31.1
811	ok	0.07	0.5	6.58e-03	10.1	15.7	7.7	7.7	-68.3	-3.4	-5.5	204.1	-3.8	0.5
812	ok	0.07	0.6	7.88e-03	10.1	15.7	7.7	7.7	-81.8	-3.8	6.9	242.7	-4.4	-1.2
813	ok	0.07	0.6	1.03e-02	10.1	15.7	7.7	7.7	-92.6	-21.8	35.9	208.0	15.7	-19.5
814	ok	0.07	0.6	6.46e-03	10.1	15.7	7.7	7.7	-50.5	-31.9	23.8	220.2	40.7	-16.9
815	ok	0.07	0.6	9.44e-03	10.1	15.7	7.7	7.7	-94.8	-14.4	18.0	208.2	3.8	-16.7
816	ok	0.07	0.6	9.36e-03	10.1	15.7	7.7	7.7	-73.9	-33.1	38.3	208.9	25.4	-18.6
817	ok	0.07	0.6	8.28e-03	10.1	15.7	7.7	7.7	-61.1	-36.5	34.7	211.9	32.4	-17.7
818	ok	0.07	0.6	7.29e-03	10.1	15.7	7.7	7.7	-53.8	-35.2	29.3	215.8	37.4	-17.2
819	ok	0.07	0.6	5.80e-03	10.1	15.7	7.7	7.7	-49.4	-28.0	18.4	225.0	43.1	-16.8
820	ok	0.07	0.6	5.47e-03	10.1	15.7	7.7	7.7	-50.3	-24.7	13.7	229.6	44.4	-16.6
821	ok	0.07	0.6	5.47e-03	10.1	15.7	7.7	7.7	-51.1	-22.3	10.4	233.8	45.1	-16.1
822	ok	0.07	0.6	5.50e-03	10.1	15.7	7.7	7.7	-52.1	-20.7	8.1	237.4	45.5	-15.5
823	ok	0.07	0.7	5.54e-03	10.1	15.7	7.7	7.7	-53.1	-19.7	6.7	240.5	45.8	-14.8
824	ok	0.07	0.7	5.58e-03	10.1	15.7	7.7	7.7	-54.1	-19.1	5.8	243.1	46.1	-14.0
825	ok	0.07	0.7	5.62e-03	10.1	15.7	7.7	7.7	-54.9	-18.7	5.3	245.3	46.4	-13.2
826	ok	0.07	0.7	5.66e-03	10.1	15.7	7.7	7.7	-55.5	-18.4	5.0	247.1	46.7	-12.5
827	ok	0.07	0.7	5.69e-03	10.1	15.7	7.7	7.7	-56.1	-18.2	4.8	248.6	47.0	-11.8
828	ok	0.07	0.7	5.71e-03	10.1	15.7	7.7	7.7	-56.4	-18.1	4.7	249.9	47.3	-11.1
829	ok	0.07	0.7	5.73e-03	10.1	15.7	7.7	7.7	-56.7	-18.1	4.6	250.9	47.6	-10.5
830	ok	0.07	0.7	5.75e-03	10.1	15.7	7.7	7.7	-56.8	-18.1	4.4	251.8	47.9	-9.9
831	ok	0.07	0.7	5.76e-03	10.1	15.7	7.7	7.7	-56.8	-18.3	4.2	252.6	48.2	-9.3
832	ok	0.07	0.7	5.77e-03	10.1	15.7	7.7	7.7	-56.6	-18.6	4.0	253.2	48.4	-8.9
833	ok	0.07	0.7	5.78e-03	10.1	15.7	7.7	7.7	-56.3	-19.0	3.8	253.7	48.5	-8.4
834	ok	0.07	0.7	5.77e-03	10.1	15.7	7.7	7.7	-55.9	-19.7	3.5	254.1	48.7	-8.0
835	ok	0.07	0.7	5.76e-03	10.1	15.7	7.7	7.7	-55.3	-20.6	3.1	254.4	48.8	-7.5
836	ok	0.07	0.7	5.75e-03	10.1	15.7	7.7	7.7	-54.6	-21.9	2.7	254.7	48.8	-7.1
837	ok	0.07	0.7	5.74e-03	10.1	15.7	7.7	7.7	-53.8	-23.5	2.0	254.8	48.7	-6.7
838	ok	0.07	0.7	5.72e-03	10.1	15.7	7.7	7.7	-52.9	-25.5	1.1	254.8	48.6	-6.2
839	ok	0.07	0.7	5.72e-03	10.1	15.7	7.7	7.7	-52.2	-28.0	-0.2	254.7	48.3	-5.7
840	ok	0.07	0.7	5.73e-03	10.1	15.7	7.7	7.7	-51.7	-31.0	-2.0	254.5	47.8	-5.1
841	ok	0.07	0.7	5.79e-03	10.1	15.7	7.7	7.7	-51.7	-34.5	-4.6	254.0	47.0	-4.4
842	ok	0.07	0.7	6.04e-03	10.1	15.7	7.7	7.7	-52.7	-38.4	-8.1	253.3	45.8	-3.5
843	ok	0.07	0.7	6.80e-03	10.1	15.7	7.7	7.7	-55.3	-42.3	-13.2	252.3	43.8	-2.2
844	ok	0.07	0.7	7.86e-03	10.1	15.7	7.7	7.7	-60.3	-46.1	-26.9	250.9	40.8	1.8
845	ok	0.07	0.7	9.20e-03	10.1	15.7	7.7	7.7	-70.5	-47.2	-34.2	249.3	36.2	4.1
846	ok	0.07	0.7	1.07e-02	10.1	15.7	7.7	7.7	-87.0	-42.9	-40.7	247.8	29.4	6.9
847	ok	0.07	0.6	1.22e-02	10.1	15.7	7.7	7.7	-110.7	-28.7	-40.4	247.5	19.3	10.3
848	ok	0.07	0.6	1.13e-02	10.1	15.7	7.7	7.7	-114.9	-15.9	-18.5	248.6	5.1	10.5
849	ok	0.08	0.5	5.62e-03	10.1	15.7	7.7	7.7	-56.2	-7.2	-2.8	163.2	-2.4	0.5
850	ok	0.08	0.6	7.34e-03	10.1	15.7	7.7	7.7	-73.5	-8.6	3.7	201.2	-2.9	-1.2
851	ok	0.08	0.5	7.93e-03	10.1	15.7	7.7	7.7	-72.5	-13.3	21.2	165.2	10.6	-15.1
852	ok	0.08	0.5	6.57e-03	10.1	15.7	7.7	7.7	-49.4	-26.4	24.7	175.2	32.2	-18.3
853	ok	0.08	0.5	7.24e-03	10.1	15.7	7.7	7.7	-71.2	-9.0	9.6	165.2	2.1	-12.1
854	ok	0.08	0.5	7.92e-03	10.1	15.7	7.7	7.7	-65.4	-20.0	28.3	165.7	18.6	-16.5
855	ok	0.08	0.5	7.59e-03	10.1	15.7	7.7	7.7	-57.4	-24.9	30.1	167.7	24.7	-17.3
856	ok	0.08	0.5	7.12e-03	10.1	15.7	7.7	7.7	-52.1	-26.7	28.4	171.0	29.2	-17.9
857	ok	0.08	0.5	6.00e-03	10.1	15.7	7.7	7.7	-48.2	-25.1	19.9	180.2	34.2	-18.4
858	ok	0.08	0.5	5.51e-03	10.1	15.7	7.7	7.7	-47.6	-23.8	15.0	184.8	35.1	-17.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
859	ok	0.08	0.6	5.26e-03	10.1	15.7	7.7	7.7	-47.4	-22.6	11.1	189.0	35.6	-17.2
860	ok	0.08	0.6	5.23e-03	10.1	15.7	7.7	7.7	-47.8	-21.4	8.3	192.4	35.8	-16.3
861	ok	0.08	0.6	5.23e-03	10.1	15.7	7.7	7.7	-48.0	-20.7	6.6	195.2	36.0	-15.2
862	ok	0.08	0.6	5.24e-03	10.1	15.7	7.7	7.7	-48.4	-20.0	5.5	197.5	36.2	-14.2
863	ok	0.08	0.6	5.26e-03	10.1	15.7	7.7	7.7	-48.9	-19.4	4.9	199.3	36.5	-13.2
864	ok	0.08	0.6	5.29e-03	10.1	15.7	7.7	7.7	-49.4	-18.9	4.4	200.9	36.8	-12.3
865	ok	0.08	0.6	5.31e-03	10.1	15.7	7.7	7.7	-49.9	-18.6	4.2	202.1	37.2	-11.4
866	ok	0.08	0.6	5.34e-03	10.1	15.7	7.7	7.7	-50.2	-18.3	3.9	203.2	37.5	-10.7
867	ok	0.08	0.6	5.36e-03	10.1	15.7	7.7	7.7	-50.5	-18.1	3.7	204.0	37.8	-10.0
868	ok	0.08	0.6	5.37e-03	10.1	15.7	7.7	7.7	-50.6	-18.1	3.4	204.8	38.1	-9.4
869	ok	0.08	0.6	5.39e-03	10.1	15.7	7.7	7.7	-50.6	-18.2	3.1	205.4	38.4	-8.8
870	ok	0.08	0.6	5.40e-03	10.1	15.7	7.7	7.7	-50.5	-18.5	2.7	205.9	38.6	-8.3
871	ok	0.08	0.6	5.41e-03	10.1	15.7	7.7	7.7	-50.3	-18.9	2.3	206.3	38.8	-7.8
872	ok	0.08	0.6	5.41e-03	10.1	15.7	7.7	7.7	-49.9	-19.5	1.8	206.6	38.9	-7.3
873	ok	0.08	0.6	5.40e-03	10.1	15.7	7.7	7.7	-49.4	-20.3	1.2	206.8	39.0	-6.9
874	ok	0.08	0.6	5.40e-03	10.1	15.7	7.7	7.7	-48.9	-21.4	0.5	207.0	39.0	-6.5
875	ok	0.08	0.6	5.40e-03	10.1	15.7	7.7	7.7	-48.3	-22.8	-0.5	207.0	39.0	-6.0
876	ok	0.08	0.6	5.40e-03	10.1	15.7	7.7	7.7	-47.8	-24.4	-1.7	206.9	38.8	-5.5
877	ok	0.08	0.6	5.42e-03	10.1	15.7	7.7	7.7	-47.5	-26.3	-3.3	206.8	38.4	-5.0
878	ok	0.08	0.6	5.47e-03	10.1	15.7	7.7	7.7	-47.6	-28.4	-5.4	206.5	37.9	-4.4
879	ok	0.08	0.6	5.59e-03	10.1	15.7	7.7	7.7	-48.3	-30.5	-8.1	206.0	37.0	-3.6
880	ok	0.08	0.6	6.09e-03	10.1	15.7	7.7	7.7	-49.6	-32.7	-11.9	205.3	35.6	-2.8
881	ok	0.08	0.6	6.77e-03	10.1	15.7	7.7	7.7	-53.4	-34.0	-16.0	204.5	33.5	-1.6
882	ok	0.08	0.6	7.61e-03	10.1	15.7	7.7	7.7	-59.5	-33.9	-25.8	203.6	30.5	1.9
883	ok	0.08	0.6	8.53e-03	10.1	15.7	7.7	7.7	-68.9	-31.0	-29.3	202.8	26.2	3.5
884	ok	0.08	0.6	9.37e-03	10.1	15.7	7.7	7.7	-80.8	-24.4	-29.5	202.4	20.0	5.2
885	ok	0.08	0.6	9.73e-03	10.1	15.7	7.7	7.7	-90.9	-15.5	-23.0	202.6	11.8	6.3
886	ok	0.08	0.6	8.99e-03	10.1	15.7	7.7	7.7	-83.6	6.9	-10.9	200.0	6.8	5.1
887	ok	0.08	0.4	4.87e-03	10.1	15.7	7.7	7.7	-46.7	-6.6	-2.4	127.2	-1.8	0.7
888	ok	0.08	0.5	6.80e-03	10.1	15.7	7.7	7.7	-65.2	-8.3	3.0	162.9	-2.2	-1.4
889	ok	0.08	0.4	6.28e-03	10.1	15.7	7.7	7.7	-56.5	-10.5	13.5	127.4	8.5	-11.4
890	ok	0.08	0.4	6.54e-03	10.1	15.7	7.7	7.7	-47.6	-21.3	24.4	136.7	25.5	-19.5
891	ok	0.08	0.4	5.89e-03	10.1	15.7	7.7	7.7	-55.9	-7.6	5.8	128.3	1.7	-8.5
892	ok	0.08	0.4	6.52e-03	10.1	15.7	7.7	7.7	-53.2	-14.9	20.8	127.0	14.8	-14.0
893	ok	0.08	0.4	6.72e-03	10.1	15.7	7.7	7.7	-49.6	-18.7	25.4	128.4	19.9	-16.4
894	ok	0.08	0.4	6.75e-03	10.1	15.7	7.7	7.7	-47.9	-20.7	26.6	131.9	23.4	-18.4
895	ok	0.08	0.4	6.11e-03	10.1	15.7	7.7	7.7	-47.2	-21.5	20.1	142.4	26.6	-19.8
896	ok	0.08	0.5	5.59e-03	10.1	15.7	7.7	7.7	-46.0	-21.9	15.2	147.3	27.0	-19.0
897	ok	0.08	0.5	5.16e-03	10.1	15.7	7.7	7.7	-44.5	-22.1	11.4	151.3	27.1	-17.7
898	ok	0.08	0.5	4.99e-03	10.1	15.7	7.7	7.7	-43.4	-22.0	8.8	154.3	27.1	-16.3
899	ok	0.08	0.5	4.94e-03	10.1	15.7	7.7	7.7	-42.9	-21.6	7.1	156.6	27.3	-15.0
900	ok	0.08	0.5	4.92e-03	10.1	15.7	7.7	7.7	-43.0	-20.8	5.9	158.4	27.5	-13.7
901	ok	0.08	0.5	4.92e-03	10.1	15.7	7.7	7.7	-43.4	-19.8	5.2	159.8	27.9	-12.6
902	ok	0.08	0.5	4.94e-03	10.1	15.7	7.7	7.7	-43.7	-19.2	4.7	160.9	28.2	-11.6
903	ok	0.08	0.5	4.95e-03	10.1	15.7	7.7	7.7	-44.1	-18.7	4.3	161.9	28.6	-10.7
904	ok	0.08	0.5	4.97e-03	10.1	15.7	7.7	7.7	-44.4	-18.3	3.9	162.7	29.0	-9.9
905	ok	0.08	0.5	4.99e-03	10.1	15.7	7.7	7.7	-44.7	-18.0	3.6	163.4	29.3	-9.2
906	ok	0.08	0.5	5.01e-03	10.1	15.7	7.7	7.7	-44.9	-17.9	3.2	163.9	29.6	-8.6
907	ok	0.08	0.5	5.03e-03	10.1	15.7	7.7	7.7	-44.9	-17.9	2.7	164.4	29.9	-8.0
908	ok	0.08	0.5	5.04e-03	10.1	15.7	7.7	7.7	-44.9	-18.1	2.2	164.8	30.2	-7.5
909	ok	0.08	0.5	5.05e-03	10.1	15.7	7.7	7.7	-44.7	-18.4	1.6	165.1	30.3	-7.0
910	ok	0.08	0.5	5.06e-03	10.1	15.7	7.7	7.7	-44.5	-18.9	1.0	165.3	30.5	-6.6
911	ok	0.08	0.5	5.06e-03	10.1	15.7	7.7	7.7	-44.1	-19.6	0.2	165.4	30.5	-6.1
912	ok	0.08	0.5	5.07e-03	10.1	15.7	7.7	7.7	-43.7	-20.4	-0.8	165.5	30.5	-5.7
913	ok	0.08	0.5	5.08e-03	10.1	15.7	7.7	7.7	-43.4	-21.5	-1.9	165.5	30.4	-5.2
914	ok	0.08	0.5	5.10e-03	10.1	15.7	7.7	7.7	-43.2	-22.6	-3.3	165.4	30.2	-4.8
915	ok	0.08	0.5	5.15e-03	10.1	15.7	7.7	7.7	-42.9	-24.0	-5.1	165.2	29.9	-4.3
916	ok	0.08	0.5	5.22e-03	10.1	15.7	7.7	7.7	-43.2	-25.3	-7.3	164.8	29.3	-3.7
917	ok	0.08	0.5	5.55e-03	10.1	15.7	7.7	7.7	-44.5	-26.3	-9.8	164.4	28.3	-3.0
918	ok	0.08	0.5	6.00e-03	10.1	15.7	7.7	7.7	-46.9	-26.8	-12.6	163.9	27.0	-2.2
919	ok	0.08	0.5	6.55e-03	10.1	15.7	7.7	7.7	-50.7	-26.3	-15.4	163.4	25.0	-1.2
920	ok	0.08	0.5	7.15e-03	10.1	15.7	7.7	7.7	-56.3	-24.5	-22.7	162.8	22.2	1.7
921	ok	0.08	0.5	7.73e-03	10.1	15.7	7.7	7.7	-63.5	-20.8	-23.4	162.5	18.5	2.7
922	ok	0.08	0.5	8.15e-03	10.1	15.7	7.7	7.7	-70.9	-15.6	-21.1	162.5	13.5	3.5
923	ok	0.08	0.5	8.20e-03	10.1	15.7	7.7	7.7	-75.4	-10.6	-15.0	163.0	7.5	3.7
924	ok	0.08	0.5	7.68e-03	10.1	15.7	7.7	7.7	-67.6	6.8	-7.8	161.0	5.0	2.3
925	ok	0.09	0.3	4.59e-03	10.1	15.7	7.7	7.7	-41.1	-5.7	-2.5	97.4	-1.4	1.0
926	ok	0.09	0.4	6.30e-03	10.1	15.7	7.7	7.7	-57.7	-7.4	2.7	128.9	-1.7	-1.5
927	ok	0.09	0.3	4.85e-03	10.1	15.7	7.7	7.7	-42.7	-9.2	7.8	94.7	7.8	-7.2
928	ok	0.09	0.4	6.50e-03	10.1	15.7	7.7	7.7	-45.5	-17.4	23.8	104.4	20.4	-21.8
929	ok	0.09	0.3	4.87e-03	10.1	15.7	7.7	7.7	-44.7	-6.7	2.3	97.7	1.8	-4.7
930	ok	0.09	0.3	5.11e-03	10.1	15.7	7.7	7.7	-39.9	-12.8	15.1	92.2	13.5	-10.9
931	ok	0.09	0.3	5.75e-03	10.1	15.7	7.7	7.7	-39.2	-15.9	21.7	92.6	17.7	-15.5
932	ok	0.09	0.3	6.34e-03	10.1	15.7	7.7	7.7	-41.8	-17.2	25.2	97.1	19.9	-19.6
933	ok	0.09	0.4	6.17e-03	10.1	15.7	7.7	7.7	-46.7	-18.4	19.0	112.0	20.1	-21.5

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
934	ok	0.09	0.4	5.59e-03	10.1	15.7	7.7	7.7	-44.4	-20.4	14.1	117.2	19.7	-19.7
935	ok	0.09	0.4	5.09e-03	10.1	15.7	7.7	7.7	-41.6	-21.9	10.9	120.4	19.4	-17.7
936	ok	0.09	0.4	4.74e-03	10.1	15.7	7.7	7.7	-39.5	-22.2	8.9	122.6	19.4	-15.8
937	ok	0.09	0.4	4.64e-03	10.1	15.7	7.7	7.7	-38.4	-21.9	7.5	124.1	19.7	-14.1
938	ok	0.09	0.4	4.60e-03	10.1	15.7	7.7	7.7	-37.9	-21.2	6.5	125.2	20.0	-12.7
939	ok	0.09	0.4	4.59e-03	10.1	15.7	7.7	7.7	-37.8	-20.4	5.8	126.1	20.4	-11.6
940	ok	0.09	0.4	4.59e-03	10.1	15.7	7.7	7.7	-38.0	-19.6	5.2	126.8	20.9	-10.6
941	ok	0.09	0.4	4.60e-03	10.1	15.7	7.7	7.7	-38.4	-18.9	4.6	127.5	21.3	-9.7
942	ok	0.09	0.4	4.61e-03	10.1	15.7	7.7	7.7	-38.9	-18.2	4.1	128.0	21.7	-9.0
943	ok	0.09	0.4	4.63e-03	10.1	15.7	7.7	7.7	-39.2	-17.8	3.6	128.4	22.1	-8.3
944	ok	0.09	0.4	4.65e-03	10.1	15.7	7.7	7.7	-39.4	-17.6	3.0	128.8	22.4	-7.7
945	ok	0.09	0.4	4.67e-03	10.1	15.7	7.7	7.7	-39.5	-17.5	2.5	129.1	22.7	-7.2
946	ok	0.09	0.4	4.69e-03	10.1	15.7	7.7	7.7	-39.7	-17.5	1.8	129.4	22.9	-6.7
947	ok	0.09	0.4	4.70e-03	10.1	15.7	7.7	7.7	-39.6	-17.7	1.1	129.6	23.1	-6.2
948	ok	0.09	0.4	4.71e-03	10.1	15.7	7.7	7.7	-39.5	-18.0	0.3	129.7	23.2	-5.8
949	ok	0.09	0.4	4.73e-03	10.1	15.7	7.7	7.7	-39.2	-18.5	-0.6	129.8	23.3	-5.3
950	ok	0.09	0.4	4.74e-03	10.1	15.7	7.7	7.7	-39.0	-19.1	-1.7	129.8	23.3	-4.9
951	ok	0.09	0.4	4.77e-03	10.1	15.7	7.7	7.7	-38.9	-19.7	-2.9	129.8	23.2	-4.5
952	ok	0.09	0.4	4.81e-03	10.1	15.7	7.7	7.7	-38.9	-20.4	-4.3	129.6	22.9	-4.0
953	ok	0.09	0.4	4.86e-03	10.1	15.7	7.7	7.7	-38.8	-21.4	-6.2	129.4	22.6	-3.6
954	ok	0.09	0.4	5.08e-03	10.1	15.7	7.7	7.7	-39.6	-21.9	-8.0	129.2	21.9	-3.0
955	ok	0.09	0.4	5.39e-03	10.1	15.7	7.7	7.7	-41.0	-22.0	-10.0	128.8	21.0	-2.4
956	ok	0.09	0.4	5.77e-03	10.1	15.7	7.7	7.7	-43.4	-21.5	-12.0	128.5	19.8	-1.8
957	ok	0.09	0.4	6.17e-03	10.1	15.7	7.7	7.7	-46.8	-20.3	-13.6	128.1	18.0	-1.0
958	ok	0.09	0.4	6.58e-03	10.1	15.7	7.7	7.7	-51.3	-18.0	-19.1	127.8	15.7	1.3
959	ok	0.09	0.4	6.93e-03	10.1	15.7	7.7	7.7	-56.4	-14.7	-18.4	127.7	12.6	1.9
960	ok	0.09	0.4	7.13e-03	10.1	15.7	7.7	7.7	-60.9	-11.1	-15.5	127.9	8.9	2.2
961	ok	0.09	0.4	7.09e-03	10.1	15.7	7.7	7.7	-63.0	-8.3	-10.7	128.5	4.7	1.9
962	ok	0.09	0.4	6.73e-03	10.1	15.7	7.7	7.7	-56.2	6.2	-5.05e-02	126.6	3.9	-0.5
963	ok	0.09	0.3	4.72e-03	10.1	15.7	7.7	7.7	-40.3	-4.8	-2.7	75.8	-1.1	1.2
964	ok	0.09	0.3	5.81e-03	10.1	15.7	7.7	7.7	-50.8	-6.5	2.5	99.6	-1.3	-1.6
965	ok	0.09	0.2	3.53e-03	10.1	15.7	7.7	7.7	-30.7	-7.0	2.4	67.6	7.7	-0.8
966	ok	0.09	0.3	6.73e-03	10.1	15.7	7.7	7.7	-44.8	-15.4	24.1	78.8	16.3	-26.7
967	ok	0.09	0.3	4.22e-03	10.1	15.7	7.7	7.7	-36.3	-5.0	-4.6	74.4	1.8	1.5
968	ok	0.09	0.2	3.48e-03	10.1	15.7	7.7	7.7	-25.7	-10.3	9.5	59.2	14.5	-5.9
969	ok	0.09	0.2	4.67e-03	10.1	15.7	7.7	7.7	-26.1	-14.1	18.5	57.5	18.8	-14.7
970	ok	0.09	0.3	6.03e-03	10.1	15.7	7.7	7.7	-33.6	-16.1	25.4	64.6	19.4	-23.0
971	ok	0.09	0.4	6.27e-03	10.1	15.7	7.7	7.7	-47.5	-16.9	16.3	90.9	13.3	-23.3
972	ok	0.09	0.4	5.47e-03	10.1	15.7	7.7	7.7	-42.3	-20.8	11.9	94.6	12.7	-19.2
973	ok	0.09	0.3	4.95e-03	10.1	15.7	7.7	7.7	-38.0	-22.5	10.1	95.9	12.6	-16.5
974	ok	0.09	0.3	4.60e-03	10.1	15.7	7.7	7.7	-35.3	-22.6	8.9	96.5	12.8	-14.3
975	ok	0.09	0.3	4.36e-03	10.1	15.7	7.7	7.7	-33.9	-21.9	8.0	97.0	13.2	-12.7
976	ok	0.09	0.3	4.28e-03	10.1	15.7	7.7	7.7	-33.2	-21.0	7.1	97.3	13.7	-11.3
977	ok	0.09	0.3	4.25e-03	10.1	15.7	7.7	7.7	-33.0	-20.1	6.4	97.7	14.2	-10.2
978	ok	0.09	0.3	4.25e-03	10.1	15.7	7.7	7.7	-33.2	-19.2	5.7	98.0	14.7	-9.3
979	ok	0.09	0.3	4.25e-03	10.1	15.7	7.7	7.7	-33.5	-18.4	5.0	98.3	15.2	-8.6
980	ok	0.09	0.3	4.26e-03	10.1	15.7	7.7	7.7	-33.8	-17.8	4.3	98.6	15.6	-7.9
981	ok	0.09	0.3	4.27e-03	10.1	15.7	7.7	7.7	-34.1	-17.4	3.7	98.8	16.0	-7.3
982	ok	0.09	0.3	4.29e-03	10.1	15.7	7.7	7.7	-34.4	-17.1	3.0	99.1	16.3	-6.7
983	ok	0.09	0.3	4.31e-03	10.1	15.7	7.7	7.7	-34.6	-17.0	2.3	99.3	16.6	-6.3
984	ok	0.09	0.3	4.33e-03	10.1	15.7	7.7	7.7	-34.7	-17.0	1.5	99.4	16.8	-5.8
985	ok	0.09	0.3	4.35e-03	10.1	15.7	7.7	7.7	-34.8	-16.9	0.7	99.5	17.0	-5.4
986	ok	0.09	0.3	4.37e-03	10.1	15.7	7.7	7.7	-34.7	-17.1	-0.2	99.6	17.1	-5.0
987	ok	0.09	0.3	4.39e-03	10.1	15.7	7.7	7.7	-34.6	-17.4	-1.2	99.6	17.2	-4.6
988	ok	0.09	0.3	4.42e-03	10.1	15.7	7.7	7.7	-34.5	-17.7	-2.4	99.6	17.2	-4.2
989	ok	0.09	0.3	4.45e-03	10.1	15.7	7.7	7.7	-34.3	-18.2	-3.7	99.5	17.1	-3.8
990	ok	0.09	0.3	4.50e-03	10.1	15.7	7.7	7.7	-34.5	-18.4	-5.1	99.4	16.8	-3.4
991	ok	0.09	0.3	4.65e-03	10.1	15.7	7.7	7.7	-34.9	-18.6	-6.5	99.2	16.4	-3.0
992	ok	0.09	0.3	4.87e-03	10.1	15.7	7.7	7.7	-35.8	-18.5	-8.1	99.0	15.9	-2.5
993	ok	0.09	0.3	5.13e-03	10.1	15.7	7.7	7.7	-37.2	-18.1	-9.6	98.7	15.1	-2.0
994	ok	0.09	0.3	5.42e-03	10.1	15.7	7.7	7.7	-39.3	-17.2	-10.8	98.5	13.9	-1.5
995	ok	0.09	0.3	5.70e-03	10.1	15.7	7.7	7.7	-42.1	-15.7	-11.6	98.2	12.5	-1.0
996	ok	0.09	0.3	5.97e-03	10.1	15.7	7.7	7.7	-45.5	-13.5	-15.8	98.1	10.6	1.0
997	ok	0.09	0.3	6.17e-03	10.1	15.7	7.7	7.7	-49.0	-11.0	-14.4	98.1	8.3	1.2
998	ok	0.09	0.3	6.26e-03	10.1	15.7	7.7	7.7	-51.8	-8.6	-11.7	98.4	5.6	1.1
999	ok	0.09	0.3	6.19e-03	10.1	15.7	7.7	7.7	-52.9	-7.0	-3.7	98.9	2.8	-0.9
1000	ok	0.09	0.3	5.95e-03	10.1	15.7	7.7	7.7	-47.0	5.5	0.9	97.4	2.8	-1.5
1001	ok	0.10	0.2	4.94e-03	10.1	15.7	7.7	7.7	-41.1	-4.7	-2.0	62.8	-0.7	1.1
1002	ok	0.10	0.3	5.35e-03	10.1	15.7	7.7	7.7	-44.5	-5.4	2.0	74.8	-0.9	-1.5
1003	ok	0.10	0.2	2.77e-03	10.1	15.7	15.4	15.4	-20.4	-0.6	-6.7	46.3	7.7	12.6
1004	ok	0.10	0.3	8.00e-03	10.1	15.7	15.4	15.4	-49.5	-20.8	28.7	63.1	13.1	-37.4
1005	ok	0.10	0.2	4.00e-03	10.1	15.7	15.4	15.4	-31.9	-0.5	-4.8	63.5	-0.9	4.8
1006	ok	0.10	0.1	2.12e-03	10.1	15.7	15.4	15.4	-6.4	-14.1	1.1	18.3	23.0	7.0
1007	ok	0.10	0.1	3.06e-03	10.1	15.7	15.4	15.4	-10.5	-6.2	12.6	19.9	22.1	-12.6
1008	ok	0.10	0.3	9.57e-03	10.1	15.7	15.4	15.4	-21.3	-54.4	35.6	25.5	35.0	-37.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
1009	ok	0.10	0.3	6.46e-03	10.1	15.7	15.4	15.4	-49.9	-22.5	6.2	85.2	7.0	-17.9
1010	ok	0.10	0.3	5.27e-03	10.1	15.7	7.7	7.7	-37.7	-24.5	10.4	77.9	6.8	-16.1
1011	ok	0.10	0.3	4.81e-03	10.1	15.7	7.7	7.7	-33.6	-23.7	9.8	76.2	6.9	-13.6
1012	ok	0.10	0.3	4.47e-03	10.1	15.7	7.7	7.7	-31.0	-22.6	9.1	75.1	7.4	-11.9
1013	ok	0.10	0.3	4.21e-03	10.1	15.7	7.7	7.7	-29.5	-21.4	8.3	74.5	8.1	-10.5
1014	ok	0.10	0.3	4.01e-03	10.1	15.7	7.7	7.7	-28.8	-20.2	7.5	74.1	8.7	-9.5
1015	ok	0.10	0.3	3.91e-03	10.1	15.7	7.7	7.7	-28.6	-19.2	6.6	74.0	9.2	-8.6
1016	ok	0.10	0.3	3.89e-03	10.1	15.7	7.7	7.7	-28.7	-18.3	5.8	73.9	9.8	-7.9
1017	ok	0.10	0.3	3.89e-03	10.1	15.7	7.7	7.7	-29.0	-17.6	5.0	73.9	10.2	-7.2
1018	ok	0.10	0.3	3.90e-03	10.1	15.7	7.7	7.7	-29.3	-17.0	4.2	74.0	10.6	-6.7
1019	ok	0.10	0.3	3.91e-03	10.1	15.7	7.7	7.7	-29.7	-16.5	3.4	74.1	11.0	-6.2
1020	ok	0.10	0.3	3.92e-03	10.1	15.7	7.7	7.7	-29.9	-16.3	2.6	74.2	11.3	-5.7
1021	ok	0.10	0.3	3.95e-03	10.1	15.7	7.7	7.7	-30.1	-16.1	1.8	74.3	11.6	-5.3
1022	ok	0.10	0.3	3.97e-03	10.1	15.7	7.7	7.7	-30.3	-16.0	0.9	74.3	11.8	-4.9
1023	ok	0.10	0.3	4.00e-03	10.1	15.7	7.7	7.7	-30.3	-16.0	1.48e-02	74.4	12.0	-4.5
1024	ok	0.10	0.3	4.02e-03	10.1	15.7	7.7	7.7	-30.3	-16.0	-1.0	74.4	12.1	-4.2
1025	ok	0.10	0.3	4.04e-03	10.1	15.7	7.7	7.7	-30.3	-16.1	-2.0	74.4	12.1	-3.8
1026	ok	0.10	0.3	4.07e-03	10.1	15.7	7.7	7.7	-30.3	-16.2	-3.1	74.3	12.1	-3.5
1027	ok	0.10	0.3	4.11e-03	10.1	15.7	7.7	7.7	-30.4	-16.2	-4.3	74.3	12.0	-3.1
1028	ok	0.10	0.3	4.21e-03	10.1	15.7	7.7	7.7	-30.6	-16.2	-5.5	74.1	11.8	-2.8
1029	ok	0.10	0.3	4.37e-03	10.1	15.7	7.7	7.7	-31.1	-15.9	-6.8	74.0	11.4	-2.4
1030	ok	0.10	0.3	4.56e-03	10.1	15.7	7.7	7.7	-31.9	-15.5	-8.0	73.8	10.9	-2.0
1031	ok	0.10	0.3	4.77e-03	10.1	15.7	7.7	7.7	-33.2	-14.7	-9.1	73.6	10.2	-1.6
1032	ok	0.10	0.3	4.97e-03	10.1	15.7	7.7	7.7	-34.9	-13.6	-9.8	73.4	9.3	-1.2
1033	ok	0.10	0.3	5.16e-03	10.1	15.7	7.7	7.7	-37.0	-12.2	-10.0	73.3	8.2	-0.9
1034	ok	0.10	0.3	5.32e-03	10.1	15.7	7.7	7.7	-39.3	-10.5	-9.4	73.3	6.7	-0.7
1035	ok	0.10	0.3	5.43e-03	10.1	15.7	7.7	7.7	-41.7	-8.6	-7.9	73.3	5.1	-0.6
1036	ok	0.10	0.3	5.47e-03	10.1	15.7	7.7	7.7	-43.5	-7.1	-5.5	73.6	3.3	-0.9
1037	ok	0.10	0.3	5.42e-03	10.1	15.7	7.7	7.7	-39.8	3.1	-0.9	72.2	3.3	-1.5
1038	ok	0.10	0.3	5.29e-03	10.1	15.7	7.7	7.7	-39.6	4.5	1.8	72.8	2.0	-2.1
1039	ok	0.11	0.2	4.63e-03	10.1	15.7	7.7	7.7	-36.6	-3.9	-1.0	54.0	-0.8	0.7
1040	ok	0.11	0.2	5.02e-03	10.1	15.7	7.7	7.7	-39.7	-4.1	2.0	56.6	-0.6	-1.4
1041	ok	0.11	0.4	5.05e-03	10.1	15.7	15.4	15.4	-37.9	-0.3	-3.0	84.4	14.4	16.6
1042	ok	0.11	0.5	2.10e-02	10.1	15.7	15.4	15.4	-136.7	-52.1	49.0	128.0	27.2	-32.3
1043	ok	0.11	0.2	3.78e-03	10.1	15.7	15.4	15.4	-26.6	4.3	3.7	55.3	2.4	2.2
1044	ok	0.10	0.1	5.38e-04	10.1	15.7	15.4	15.4	7.9	31.1	5.6	-18.9	4.8	-9.1
1045	ok	0.10	6.27e-02	1.94e-04	10.1	15.7	15.4	15.4	-0.9	19.1	2.5	-2.4	15.5	-2.7
1046	ok	0.10	0.2	1.52e-03	10.1	15.7	15.4	15.4	35.7	21.1	-19.1	-30.1	3.4	11.7
1047	ok	0.11	0.3	6.97e-03	10.1	15.7	15.4	15.4	-46.3	-24.1	13.8	73.4	6.9	-11.9
1048	ok	0.11	0.3	5.41e-03	10.1	15.7	7.7	7.7	-33.5	-24.7	12.3	65.3	3.2	-10.9
1049	ok	0.11	0.3	4.85e-03	10.1	15.7	7.7	7.7	-29.7	-22.4	11.1	61.2	3.6	-10.1
1050	ok	0.11	0.2	4.44e-03	10.1	15.7	7.7	7.7	-27.1	-20.6	10.2	59.1	4.2	-9.1
1051	ok	0.11	0.2	4.13e-03	10.1	15.7	7.7	7.7	-25.6	-19.2	9.2	57.9	4.9	-8.4
1052	ok	0.11	0.2	3.90e-03	10.1	15.7	7.7	7.7	-24.9	-18.1	8.2	57.1	5.5	-7.7
1053	ok	0.11	0.2	3.73e-03	10.1	15.7	7.7	7.7	-24.7	-17.2	7.3	56.7	6.0	-7.1
1054	ok	0.11	0.2	3.61e-03	10.1	15.7	7.7	7.7	-24.8	-16.4	6.4	56.4	6.5	-6.6
1055	ok	0.11	0.2	3.59e-03	10.1	15.7	7.7	7.7	-25.1	-15.9	5.4	56.3	6.9	-6.1
1056	ok	0.11	0.2	3.60e-03	10.1	15.7	7.7	7.7	-25.4	-15.4	4.5	56.2	7.3	-5.6
1057	ok	0.11	0.2	3.60e-03	10.1	15.7	7.7	7.7	-25.8	-15.1	3.6	56.2	7.6	-5.2
1058	ok	0.11	0.2	3.61e-03	10.1	15.7	7.7	7.7	-26.1	-14.9	2.8	56.2	7.9	-4.9
1059	ok	0.11	0.2	3.63e-03	10.1	15.7	7.7	7.7	-26.3	-14.7	1.9	56.2	8.1	-4.5
1060	ok	0.11	0.2	3.66e-03	10.1	15.7	7.7	7.7	-26.5	-14.6	1.0	56.2	8.3	-4.2
1061	ok	0.11	0.2	3.69e-03	10.1	15.7	7.7	7.7	-26.5	-14.6	4.71e-02	56.2	8.5	-3.9
1062	ok	0.11	0.2	3.71e-03	10.1	15.7	7.7	7.7	-26.6	-14.5	-0.9	56.2	8.6	-3.5
1063	ok	0.11	0.2	3.74e-03	10.1	15.7	7.7	7.7	-26.6	-14.5	-1.9	56.1	8.6	-3.2
1064	ok	0.11	0.2	3.77e-03	10.1	15.7	7.7	7.7	-26.7	-14.4	-3.0	56.1	8.6	-2.9
1065	ok	0.11	0.2	3.86e-03	10.1	15.7	7.7	7.7	-26.8	-14.2	-4.1	56.0	8.5	-2.6
1066	ok	0.11	0.2	3.99e-03	10.1	15.7	7.7	7.7	-27.1	-13.9	-5.2	55.9	8.3	-2.3
1067	ok	0.11	0.2	4.13e-03	10.1	15.7	7.7	7.7	-27.5	-13.4	-6.3	55.8	8.0	-2.0
1068	ok	0.11	0.2	4.29e-03	10.1	15.7	7.7	7.7	-28.2	-12.7	-7.2	55.6	7.6	-1.7
1069	ok	0.11	0.2	4.44e-03	10.1	15.7	7.7	7.7	-29.2	-11.8	-8.0	55.5	7.0	-1.3
1070	ok	0.11	0.2	4.59e-03	10.1	15.7	7.7	7.7	-30.5	-10.6	-8.4	55.3	6.3	-1.1
1071	ok	0.11	0.2	4.71e-03	10.1	15.7	7.7	7.7	-32.1	-9.2	-8.3	55.3	5.4	-0.8
1072	ok	0.11	0.2	4.81e-03	10.1	15.7	7.7	7.7	-33.8	-7.6	-7.6	55.2	4.3	-0.7
1073	ok	0.11	0.2	4.85e-03	10.1	15.7	7.7	7.7	-35.4	-6.2	-6.2	55.3	3.2	-0.8
1074	ok	0.11	0.2	4.85e-03	10.1	15.7	7.7	7.7	-36.7	-5.0	-4.1	55.5	2.0	-1.1
1075	ok	0.11	0.2	4.81e-03	10.1	15.7	7.7	7.7	-37.4	-4.3	-1.6	55.9	0.9	-1.7
1076	ok	0.11	0.2	4.76e-03	10.1	15.7	7.7	7.7	-37.7	-4.0	0.7	56.4	-3.69e-02	-2.4
1077	ok	0.11	0.2	4.16e-03	10.1	15.7	15.4	15.4	-30.9	-7.8	-3.7	48.9	3.2	5.0
1078	ok	0.11	0.3	1.16e-02	10.1	15.7	15.4	15.4	-67.0	-30.5	34.8	65.3	8.1	-13.4
1079	ok	0.11	0.2	6.13e-03	10.1	15.7	7.7	7.7	-35.5	-20.6	15.9	52.5	1.8	-6.9
1080	ok	0.11	0.2	4.87e-03	10.1	15.7	7.7	7.7	-27.3	-19.0	12.3	48.1	1.7	-6.7
1081	ok	0.11	0.2	4.34e-03	10.1	15.7	7.7	7.7	-24.1	-17.8	10.8	45.8	2.2	-6.6
1082	ok	0.11	0.2	4.00e-03	10.1	15.7	7.7	7.7	-22.6	-16.7	9.6	44.4	2.7	-6.3
1083	ok	0.11	0.2	3.75e-03	10.1	15.7	7.7	7.7	-21.8	-15.9	8.5	43.5	3.1	-6.0

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
1084	ok	0.11	0.2	3.56e-03	10.1	15.7	7.7	7.7	-21.6	-15.2	7.4	42.9	3.6	-5.7
1085	ok	0.11	0.2	3.42e-03	10.1	15.7	7.7	7.7	-21.7	-14.7	6.4	42.5	4.0	-5.3
1086	ok	0.11	0.2	3.31e-03	10.1	15.7	7.7	7.7	-21.9	-14.3	5.4	42.2	4.4	-5.0
1087	ok	0.11	0.2	3.30e-03	10.1	15.7	7.7	7.7	-22.3	-14.1	4.4	42.1	4.7	-4.7
1088	ok	0.11	0.2	3.30e-03	10.1	15.7	7.7	7.7	-22.6	-13.9	3.4	42.0	5.0	-4.3
1089	ok	0.11	0.2	3.31e-03	10.1	15.7	7.7	7.7	-22.9	-13.7	2.5	41.9	5.2	-4.0
1090	ok	0.11	0.2	3.33e-03	10.1	15.7	7.7	7.7	-23.1	-13.6	1.6	41.9	5.4	-3.8
1091	ok	0.11	0.2	3.36e-03	10.1	15.7	7.7	7.7	-23.3	-13.6	0.7	41.8	5.6	-3.5
1092	ok	0.11	0.2	3.39e-03	10.1	15.7	7.7	7.7	-23.4	-13.5	-0.2	41.8	5.7	-3.2
1093	ok	0.11	0.2	3.41e-03	10.1	15.7	7.7	7.7	-23.4	-13.4	-1.2	41.8	5.8	-2.9
1094	ok	0.11	0.2	3.44e-03	10.1	15.7	7.7	7.7	-23.5	-13.2	-2.1	41.7	5.9	-2.7
1095	ok	0.11	0.2	3.50e-03	10.1	15.7	7.7	7.7	-23.6	-13.0	-3.1	41.7	5.8	-2.4
1096	ok	0.11	0.2	3.61e-03	10.1	15.7	7.7	7.7	-23.7	-12.6	-4.1	41.6	5.7	-2.2
1097	ok	0.11	0.2	3.72e-03	10.1	15.7	7.7	7.7	-23.9	-12.1	-5.0	41.5	5.6	-1.9
1098	ok	0.11	0.2	3.84e-03	10.1	15.7	7.7	7.7	-24.3	-11.5	-5.9	41.4	5.3	-1.6
1099	ok	0.11	0.2	3.96e-03	10.1	15.7	7.7	7.7	-24.9	-10.6	-6.7	41.3	4.9	-1.4
1100	ok	0.11	0.2	4.08e-03	10.1	15.7	7.7	7.7	-25.7	-9.6	-7.3	41.2	4.5	-1.1
1101	ok	0.11	0.2	4.18e-03	10.1	15.7	7.7	7.7	-26.7	-8.4	-7.5	41.1	3.9	-0.9
1102	ok	0.11	0.2	4.25e-03	10.1	15.7	7.7	7.7	-27.8	-7.1	-7.3	41.0	3.3	-0.8
1103	ok	0.11	0.2	4.30e-03	10.1	15.7	7.7	7.7	-29.0	-5.8	-6.6	41.0	2.5	-0.7
1104	ok	0.11	0.2	4.31e-03	10.1	15.7	7.7	7.7	-30.1	-4.6	-5.3	41.1	1.7	-0.9
1105	ok	0.11	0.2	4.29e-03	10.1	15.7	7.7	7.7	-31.0	-3.8	-3.5	41.2	1.0	-1.2
1106	ok	0.11	0.2	4.26e-03	10.1	15.7	7.7	7.7	-31.6	-3.5	-1.4	41.5	0.3	-1.8
1107	ok	0.11	0.2	4.28e-03	10.1	15.7	7.7	7.7	-32.3	-3.5	0.6	41.9	-0.1	-2.4
1108	ok	0.12	0.2	3.46e-03	10.1	15.7	7.7	7.7	-24.8	-1.6	1.8	35.4	-0.5	-0.8
1109	ok	0.12	0.2	6.46e-03	10.1	15.7	7.7	7.7	-46.4	1.2	-2.3	45.0	-0.9	0.5
1110	ok	0.12	0.2	3.49e-03	10.1	15.7	7.7	7.7	-24.9	-2.9	-2.1	35.2	-0.1	0.8
1111	ok	0.12	0.1	4.50e-03	10.1	15.7	7.7	7.7	-32.3	-2.0	2.2	33.0	-0.1	-1.2
1112	ok	0.12	0.2	3.37e-03	10.1	15.7	7.7	7.7	-23.7	-3.5	-1.9	35.8	0.2	0.7
1113	ok	0.12	0.2	6.82e-03	10.1	15.7	7.7	7.7	-43.8	-10.2	13.9	45.4	1.8	-3.6
1114	ok	0.12	0.2	5.76e-03	10.1	15.7	7.7	7.7	-31.0	-14.9	16.0	41.5	1.7	-4.2
1115	ok	0.12	0.2	4.80e-03	10.1	15.7	7.7	7.7	-25.0	-14.0	13.4	38.9	1.3	-4.7
1116	ok	0.12	0.2	4.25e-03	10.1	15.7	7.7	7.7	-21.7	-13.5	11.7	37.0	1.5	-5.0
1117	ok	0.12	0.2	3.91e-03	10.1	15.7	7.7	7.7	-20.1	-13.1	10.4	35.6	1.7	-5.0
1118	ok	0.12	0.2	3.66e-03	10.1	15.7	7.7	7.7	-19.3	-12.8	9.3	34.7	2.1	-4.9
1119	ok	0.12	0.2	3.47e-03	10.1	15.7	7.7	7.7	-19.1	-12.5	8.1	34.1	2.4	-4.7
1120	ok	0.12	0.2	3.32e-03	10.1	15.7	7.7	7.7	-19.1	-12.3	7.0	33.7	2.7	-4.5
1121	ok	0.12	0.2	3.21e-03	10.1	15.7	7.7	7.7	-19.4	-12.2	6.0	33.4	3.0	-4.3
1122	ok	0.12	0.2	3.11e-03	10.1	15.7	7.7	7.7	-19.7	-12.2	5.0	33.2	3.3	-4.0
1123	ok	0.12	0.2	3.09e-03	10.1	15.7	7.7	7.7	-20.0	-12.2	4.0	33.0	3.5	-3.8
1124	ok	0.12	0.2	3.09e-03	10.1	15.7	7.7	7.7	-20.2	-12.2	3.1	32.9	3.7	-3.5
1125	ok	0.12	0.1	3.11e-03	10.1	15.7	7.7	7.7	-20.4	-12.2	2.2	32.9	3.9	-3.3
1126	ok	0.12	0.1	3.15e-03	10.1	15.7	7.7	7.7	-20.6	-12.2	1.3	32.8	4.1	-3.1
1127	ok	0.12	0.1	3.18e-03	10.1	15.7	7.7	7.7	-20.7	-12.1	0.4	32.8	4.2	-2.8
1128	ok	0.12	0.1	3.21e-03	10.1	15.7	7.7	7.7	-20.8	-12.0	-0.5	32.7	4.2	-2.6
1129	ok	0.12	0.1	3.27e-03	10.1	15.7	7.7	7.7	-20.9	-11.7	-1.4	32.7	4.2	-2.4
1130	ok	0.12	0.1	3.37e-03	10.1	15.7	7.7	7.7	-20.9	-11.4	-2.3	32.6	4.2	-2.1
1131	ok	0.12	0.1	3.48e-03	10.1	15.7	7.7	7.7	-21.1	-10.9	-3.2	32.5	4.1	-1.9
1132	ok	0.12	0.1	3.58e-03	10.1	15.7	7.7	7.7	-21.3	-10.3	-4.0	32.5	4.0	-1.7
1133	ok	0.12	0.1	3.68e-03	10.1	15.7	7.7	7.7	-21.6	-9.5	-4.8	32.4	3.8	-1.5
1134	ok	0.12	0.1	3.78e-03	10.1	15.7	7.7	7.7	-22.1	-8.6	-5.5	32.3	3.5	-1.2
1135	ok	0.12	0.1	3.86e-03	10.1	15.7	7.7	7.7	-22.7	-7.4	-5.9	32.2	3.1	-1.0
1136	ok	0.12	0.1	3.93e-03	10.1	15.7	7.7	7.7	-23.5	-6.1	-6.1	32.1	2.7	-0.9
1137	ok	0.12	0.1	3.97e-03	10.1	15.7	7.7	7.7	-24.3	-4.8	-5.8	32.1	2.2	-0.8
1138	ok	0.12	0.1	3.98e-03	10.1	15.7	7.7	7.7	-25.2	-3.5	-5.1	32.1	1.6	-0.8
1139	ok	0.12	0.1	3.96e-03	10.1	15.7	7.7	7.7	-26.0	-2.5	-4.0	32.1	1.1	-0.9
1140	ok	0.12	0.1	3.92e-03	10.1	15.7	7.7	7.7	-26.6	-1.7	-2.4	32.2	0.6	-1.2
1141	ok	0.12	0.1	3.89e-03	10.1	15.7	7.7	7.7	-27.2	-1.5	-0.7	32.4	0.3	-1.8
1142	ok	0.12	0.1	3.91e-03	10.1	15.7	7.7	7.7	-28.1	-1.7	1.1	32.7	6.33e-02	-2.4
1143	ok	0.13	0.1	3.11e-03	10.1	15.7	7.7	7.7	-20.8	-2.4	-2.1	27.1	-7.03e-02	0.4
1144	ok	0.13	0.2	5.46e-03	10.1	15.7	7.7	7.7	-35.0	-4.1	9.5	33.5	0.8	-1.5
1145	ok	0.13	0.1	5.07e-03	10.1	15.7	7.7	7.7	-28.2	-7.8	13.3	31.7	1.1	-2.4
1146	ok	0.13	0.1	4.51e-03	10.1	15.7	7.7	7.7	-22.8	-9.8	12.9	30.1	0.8	-3.2
1147	ok	0.13	0.1	4.10e-03	10.1	15.7	7.7	7.7	-19.8	-10.4	11.9	28.7	0.7	-3.6
1148	ok	0.13	0.1	3.79e-03	10.1	15.7	7.7	7.7	-18.2	-10.7	10.7	27.6	0.8	-3.9
1149	ok	0.13	0.1	3.55e-03	10.1	15.7	7.7	7.7	-17.4	-10.8	9.5	26.8	1.0	-3.9
1150	ok	0.13	0.1	3.37e-03	10.1	15.7	7.7	7.7	-17.1	-10.9	8.4	26.1	1.2	-3.9
1151	ok	0.13	0.1	3.22e-03	10.1	15.7	7.7	7.7	-17.1	-11.0	7.2	25.7	1.5	-3.8
1152	ok	0.13	0.1	3.10e-03	10.1	15.7	7.7	7.7	-17.3	-11.1	6.2	25.4	1.7	-3.6
1153	ok	0.13	0.1	3.00e-03	10.1	15.7	7.7	7.7	-17.6	-11.2	5.1	25.2	1.9	-3.5
1154	ok	0.13	0.1	2.91e-03	10.1	15.7	7.7	7.7	-17.9	-11.4	4.2	25.0	2.1	-3.3
1155	ok	0.13	0.1	2.88e-03	10.1	15.7	7.7	7.7	-18.1	-11.5	3.2	24.9	2.3	-3.1
1156	ok	0.13	0.1	2.91e-03	10.1	15.7	7.7	7.7	-18.3	-11.6	2.4	24.8	2.4	-2.9
1157	ok	0.13	0.1	2.94e-03	10.1	15.7	7.7	7.7	-18.5	-11.6	1.5	24.7	2.6	-2.7
1158	ok	0.13	0.1	2.97e-03	10.1	15.7	7.7	7.7	-18.6	-11.5	0.7	24.7	2.7	-2.5

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
1159	ok	0.13	0.1	3.04e-03	10.1	15.7	7.7	7.7	-18.7	-11.3	-0.2	24.6	2.7	-2.3
1160	ok	0.13	0.1	3.14e-03	10.1	15.7	7.7	7.7	-18.7	-11.1	-1.0	24.5	2.7	-2.1
1161	ok	0.13	0.1	3.23e-03	10.1	15.7	7.7	7.7	-18.8	-10.7	-1.8	24.5	2.7	-1.9
1162	ok	0.13	0.1	3.32e-03	10.1	15.7	7.7	7.7	-18.9	-10.1	-2.6	24.4	2.6	-1.7
1163	ok	0.13	0.1	3.41e-03	10.1	15.7	7.7	7.7	-19.1	-9.4	-3.3	24.3	2.5	-1.5
1164	ok	0.13	0.1	3.49e-03	10.1	15.7	7.7	7.7	-19.3	-8.5	-3.9	24.3	2.3	-1.3
1165	ok	0.13	0.1	3.55e-03	10.1	15.7	7.7	7.7	-19.7	-7.5	-4.5	24.2	2.1	-1.1
1166	ok	0.13	0.1	3.60e-03	10.1	15.7	7.7	7.7	-20.1	-6.3	-4.8	24.1	1.8	-1.0
1167	ok	0.13	0.1	3.64e-03	10.1	15.7	7.7	7.7	-20.7	-5.0	-4.9	24.1	1.4	-0.8
1168	ok	0.13	0.1	3.65e-03	10.1	15.7	7.7	7.7	-21.3	-3.7	-4.7	24.1	1.1	-0.8
1169	ok	0.13	0.1	3.63e-03	10.1	15.7	7.7	7.7	-21.9	-2.5	-4.1	24.1	0.7	-0.8
1170	ok	0.13	0.1	3.60e-03	10.1	15.7	7.7	7.7	-22.4	-1.6	-3.1	24.1	0.3	-0.9
1171	ok	0.13	0.1	3.55e-03	10.1	15.7	7.7	7.7	-22.9	-1.0	-1.9	24.2	8.63e-02	-1.2
1172	ok	0.13	0.1	3.52e-03	10.1	15.7	7.7	7.7	-23.4	-0.9	-0.5	24.3	-2.98e-02	-1.8
1173	ok	0.13	0.1	3.53e-03	10.1	15.7	7.7	7.7	-24.4	-1.3	0.9	24.5	-1.04e-02	-2.3
1174	ok	0.13	9.03e-02	2.90e-03	10.1	15.7	7.7	7.7	-19.2	-1.0	-1.4	18.5	0.1	0.7
1175	ok	0.13	9.01e-02	2.77e-03	10.1	15.7	7.7	7.7	-17.8	-0.7	2.0	18.5	0.2	-0.3
1176	ok	0.13	5.91e-02	2.31e-03	10.1	15.7	7.7	7.7	-15.1	-0.4	-1.8	12.0	0.2	0.6
1177	ok	0.13	5.85e-02	2.31e-03	10.1	15.7	7.7	7.7	-15.1	-0.4	-1.8	11.9	0.1	0.3
1178	ok	0.13	3.56e-02	1.81e-03	10.1	15.7	7.7	7.7	-11.8	-0.3	-1.8	6.9	0.2	0.5
1179	ok	0.13	3.50e-02	1.81e-03	10.1	15.7	7.7	7.7	-11.8	-0.3	-1.8	7.0	0.1	0.3
1180	ok	0.13	1.91e-02	1.33e-03	10.1	15.7	7.7	7.7	-8.4	-0.3	-1.8	3.6	0.2	0.5
1181	ok	0.13	1.84e-02	1.32e-03	10.1	15.7	7.7	7.7	-8.4	-0.4	-1.8	3.6	0.1	0.3
1182	ok	0.13	8.99e-03	8.95e-04	10.1	15.7	7.7	7.7	-5.3	-0.1	-1.8	1.5	0.1	0.4
1183	ok	0.13	8.00e-03	8.07e-04	10.1	15.7	7.7	7.7	-4.8	-0.5	-1.7	1.4	0.1	0.3
1184	ok	0.13	3.80e-03	3.89e-04	10.1	15.7	7.7	7.7	-1.5	0.6	-1.8	0.3	-7.54e-02	0.3
1185	ok	0.13	9.02e-02	2.89e-03	10.1	15.7	7.7	7.7	-19.1	-1.0	1.4	18.5	0.1	-0.7
1186	ok	0.13	5.93e-02	2.30e-03	10.1	15.7	7.7	7.7	-15.0	-0.4	1.8	12.0	0.2	-0.6
1187	ok	0.13	3.58e-02	1.80e-03	10.1	15.7	7.7	7.7	-11.7	-0.3	1.8	2.9	0.1	-0.4
1188	ok	0.13	1.92e-02	1.32e-03	10.1	15.7	7.7	7.7	-8.4	-0.3	1.8	1.8	8.65e-02	-0.4
1189	ok	0.13	9.04e-03	8.89e-04	10.1	15.7	7.7	7.7	-5.3	-0.1	1.8	1.5	0.1	-0.4
1190	ok	0.13	0.1	4.40e-03	10.1	15.7	7.7	7.7	-29.2	-0.9	-1.4	22.7	0.1	0.9
1191	ok	0.13	0.1	4.36e-03	10.1	15.7	7.7	7.7	-26.9	-1.2	7.4	22.7	0.5	-0.4
1192	ok	0.13	7.29e-02	3.13e-03	10.1	15.7	7.7	7.7	-20.7	-0.3	-1.8	14.8	0.2	0.8
1193	ok	0.13	7.21e-02	3.42e-03	10.1	15.7	7.7	7.7	-20.7	-1.2	2.2	14.7	0.1	0.6
1194	ok	0.13	4.43e-02	2.15e-03	10.1	15.7	7.7	7.7	-14.0	-0.2	-1.9	8.9	0.3	0.7
1195	ok	0.13	4.37e-02	2.51e-03	10.1	15.7	7.7	7.7	-15.0	-1.1	0.8	8.8	-0.1	0.6
1196	ok	0.13	2.37e-02	1.40e-03	10.1	15.7	7.7	7.7	-8.8	-0.2	-2.0	4.6	0.2	0.6
1197	ok	0.13	2.31e-02	1.70e-03	10.1	15.7	7.7	7.7	-9.9	-1.1	-0.4	4.5	-0.3	0.5
1198	ok	0.13	1.06e-02	9.07e-04	10.1	15.7	7.7	7.7	-5.1	-5.66e-02	-2.1	1.8	0.2	0.5
1199	ok	0.13	9.30e-03	9.74e-04	10.1	15.7	7.7	7.7	-5.3	-0.7	-1.3	1.7	-0.3	0.3
1200	ok	0.13	5.81e-03	4.23e-04	10.1	15.7	7.7	7.7	-1.6	0.8	-2.0	0.3	-0.5	0.4
1201	ok	0.13	0.1	4.30e-03	10.1	15.7	7.7	7.7	-23.8	-3.3	10.6	21.9	0.6	-1.3
1202	ok	0.13	7.08e-02	3.45e-03	10.1	15.7	7.7	7.7	-18.9	-3.1	8.6	14.4	-0.1	-0.9
1203	ok	0.13	4.34e-02	2.65e-03	10.1	15.7	7.7	7.7	-14.2	-2.9	6.9	8.7	-0.6	-0.7
1204	ok	0.13	2.36e-02	1.89e-03	10.1	15.7	7.7	7.7	-9.6	-2.7	5.2	4.5	-0.9	-0.7
1205	ok	0.13	1.18e-02	1.18e-03	10.1	15.7	7.7	7.7	-5.4	-2.1	3.6	1.8	-1.0	-0.7
1206	ok	0.13	1.20e-02	4.83e-04	10.1	15.7	7.7	7.7	-1.6	-0.6	2.0	0.3	-1.2	-0.5
1207	ok	0.13	0.1	4.02e-03	10.1	15.7	7.7	7.7	-20.1	-5.5	11.4	21.0	0.3	-2.0
1208	ok	0.13	6.94e-02	3.38e-03	10.1	15.7	7.7	7.7	-16.6	-5.1	9.7	13.9	-0.5	-1.5
1209	ok	0.13	4.33e-02	2.72e-03	10.1	15.7	7.7	7.7	-12.8	-4.9	8.0	8.5	-1.0	-1.3
1210	ok	0.13	2.42e-02	2.06e-03	10.1	15.7	7.7	7.7	-8.9	-4.8	6.2	4.5	-1.4	-1.2
1211	ok	0.13	1.86e-02	1.40e-03	10.1	15.7	7.7	7.7	-5.1	-4.3	4.3	1.8	-1.5	-1.1
1212	ok	0.13	1.74e-02	7.22e-04	10.1	15.7	7.7	7.7	-1.6	-3.3	2.0	0.3	-1.7	-0.6
1213	ok	0.13	0.1	3.73e-03	10.1	15.7	7.7	7.7	-17.5	-7.0	10.9	20.2	0.1	-2.5
1214	ok	0.13	6.81e-02	3.26e-03	10.1	15.7	7.7	7.7	-14.7	-6.9	9.7	13.4	-0.8	-2.0
1215	ok	0.13	4.29e-02	2.74e-03	10.1	15.7	7.7	7.7	-11.6	-6.9	8.2	8.2	-1.4	-1.7
1216	ok	0.13	2.44e-02	2.20e-03	10.1	15.7	7.7	7.7	-8.3	-6.9	6.6	4.3	-1.8	-1.6
1217	ok	0.13	2.43e-02	1.65e-03	10.1	15.7	7.7	7.7	-4.9	-6.9	4.6	1.7	-2.0	-1.4
1218	ok	0.13	2.21e-02	1.18e-03	10.1	15.7	7.7	7.7	-1.6	-6.7	2.0	0.3	-2.2	-0.7
1219	ok	0.13	9.79e-02	3.49e-03	10.1	15.7	7.7	7.7	-16.0	-7.9	10.0	19.4	4.76e-02	-2.9
1220	ok	0.13	6.65e-02	3.13e-03	10.1	15.7	7.7	7.7	-13.5	-8.3	9.1	12.9	-1.0	-2.4
1221	ok	0.13	4.22e-02	2.73e-03	10.1	15.7	7.7	7.7	-10.8	-8.6	7.9	7.8	-1.7	-2.1
1222	ok	0.13	2.61e-02	2.31e-03	10.1	15.7	7.7	7.7	-7.9	-9.0	6.4	4.1	-2.1	-1.9
1223	ok	0.13	2.91e-02	1.93e-03	10.1	15.7	7.7	7.7	-4.8	-9.5	4.5	1.6	-2.3	-1.7
1224	ok	0.13	2.58e-02	1.71e-03	10.1	15.7	7.7	7.7	-1.7	-10.2	1.9	0.3	-2.5	-0.7
1225	ok	0.13	9.53e-02	3.30e-03	10.1	15.7	7.7	7.7	-15.3	-8.6	8.9	18.7	8.15e-02	-3.0
1226	ok	0.13	6.48e-02	3.01e-03	10.1	15.7	7.7	7.7	-12.9	-9.4	8.2	12.4	-1.0	-2.6
1227	ok	0.13	4.13e-02	2.70e-03	10.1	15.7	7.7	7.7	-10.3	-10.1	7.2	7.5	-1.8	-2.4
1228	ok	0.13	2.93e-02	2.41e-03	10.1	15.7	7.7	7.7	-7.6	-10.9	5.9	3.9	-2.3	-2.2
1229	ok	0.13	3.27e-02	2.20e-03	10.1	15.7	7.7	7.7	-4.8	-12.0	4.2	1.6	-2.6	-1.9
1230	ok	0.13	2.86e-02	2.22e-03	10.1	15.7	7.7	7.7	-1.7	-13.5	1.9	0.3	-2.8	-0.8
1231	ok	0.13	9.32e-02	3.14e-03	10.1	15.7	7.7	7.7	-15.0	-9.2	7.8	18.2	0.2	-3.1
1232	ok	0.13	6.33e-02	2.89e-03	10.1	15.7	7.7	7.7	-12.6	-10.3	7.2	12.0	-1.0	-2.8
1233	ok	0.13	4.03e-02	2.67e-03	10.1	15.7	7.7	7.7	-10.2	-11.4	6.4	7.2	-1.8	-2.5

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
1234	ok	0.13	3.13e-02	2.50e-03	10.1	15.7	7.7	7.7	-7.5	-12.6	5.2	3.8	-2.4	-2.4
1235	ok	0.13	3.52e-02	2.47e-03	10.1	15.7	7.7	7.7	-4.7	-14.2	3.8	1.5	-2.7	-2.1
1236	ok	0.13	3.05e-02	2.65e-03	10.1	15.7	7.7	7.7	-1.7	-16.3	1.9	0.3	-3.0	-0.8
1237	ok	0.13	9.13e-02	3.00e-03	10.1	15.7	7.7	7.7	-15.0	-9.7	6.7	17.8	0.3	-3.1
1238	ok	0.13	6.19e-02	2.79e-03	10.1	15.7	7.7	7.7	-12.6	-11.0	6.2	11.7	-0.9	-2.8
1239	ok	0.13	3.98e-02	2.64e-03	10.1	15.7	7.7	7.7	-10.1	-12.4	5.5	7.0	-1.8	-2.6
1240	ok	0.13	3.24e-02	2.59e-03	10.1	15.7	7.7	7.7	-7.5	-14.0	4.5	3.6	-2.4	-2.5
1241	ok	0.13	3.67e-02	2.70e-03	10.1	15.7	7.7	7.7	-4.7	-16.0	3.3	1.4	-2.8	-2.2
1242	ok	0.13	3.15e-02	3.00e-03	10.1	15.7	7.7	7.7	-1.7	-18.5	1.8	0.3	-3.0	-0.8
1243	ok	0.13	8.99e-02	2.89e-03	10.1	15.7	7.7	7.7	-15.2	-10.1	5.7	17.5	0.5	-3.0
1244	ok	0.13	6.07e-02	2.70e-03	10.1	15.7	7.7	7.7	-12.7	-11.6	5.2	11.4	-0.8	-2.8
1245	ok	0.13	3.92e-02	2.60e-03	10.1	15.7	7.7	7.7	-10.2	-13.3	4.6	6.8	-1.8	-2.6
1246	ok	0.13	3.27e-02	2.66e-03	10.1	15.7	7.7	7.7	-7.6	-15.2	3.9	3.5	-2.4	-2.5
1247	ok	0.13	3.73e-02	2.88e-03	10.1	15.7	7.7	7.7	-4.8	-17.4	2.9	1.4	-2.8	-2.2
1248	ok	0.13	3.19e-02	3.27e-03	10.1	15.7	7.7	7.7	-1.7	-20.2	1.8	0.3	-3.1	-0.8
1249	ok	0.13	8.86e-02	2.79e-03	10.1	15.7	7.7	7.7	-15.4	-10.5	4.7	17.3	0.6	-2.9
1250	ok	0.13	5.97e-02	2.61e-03	10.1	15.7	7.7	7.7	-12.9	-12.2	4.3	11.2	-0.7	-2.8
1251	ok	0.13	3.85e-02	2.58e-03	10.1	15.7	7.7	7.7	-10.3	-14.0	3.8	6.6	-1.7	-2.6
1252	ok	0.13	3.24e-02	2.73e-03	10.1	15.7	7.7	7.7	-7.6	-16.0	3.3	3.4	-2.3	-2.5
1253	ok	0.13	3.73e-02	3.03e-03	10.1	15.7	7.7	7.7	-4.8	-18.5	2.6	1.4	-2.8	-2.2
1254	ok	0.13	3.18e-02	3.45e-03	10.1	15.7	7.7	7.7	-1.7	-21.4	1.8	0.3	-3.0	-0.8
1255	ok	0.13	8.76e-02	2.70e-03	10.1	15.7	7.7	7.7	-15.6	-10.8	3.7	17.1	0.8	-2.8
1256	ok	0.13	5.88e-02	2.52e-03	10.1	15.7	7.7	7.7	-13.1	-12.6	3.4	11.1	-0.6	-2.7
1257	ok	0.13	3.79e-02	2.55e-03	10.1	15.7	7.7	7.7	-10.5	-14.5	3.1	6.5	-1.6	-2.6
1258	ok	0.13	3.17e-02	2.78e-03	10.1	15.7	7.7	7.7	-7.7	-16.7	2.7	3.3	-2.3	-2.4
1259	ok	0.13	3.67e-02	3.12e-03	10.1	15.7	7.7	7.7	-4.8	-19.2	2.3	1.3	-2.7	-2.2
1260	ok	0.13	3.14e-02	3.57e-03	10.1	15.7	7.7	7.7	-1.7	-22.1	1.8	0.3	-3.0	-0.8
1261	ok	0.13	8.67e-02	2.61e-03	10.1	15.7	7.7	7.7	-15.8	-11.1	2.9	17.0	0.9	-2.7
1262	ok	0.13	5.81e-02	2.43e-03	10.1	15.7	7.7	7.7	-13.2	-12.8	2.6	11.0	-0.4	-2.6
1263	ok	0.13	3.72e-02	2.52e-03	10.1	15.7	7.7	7.7	-10.6	-14.8	2.4	6.4	-1.4	-2.5
1264	ok	0.13	3.07e-02	2.80e-03	10.1	15.7	7.7	7.7	-7.7	-17.0	2.2	3.3	-2.2	-2.4
1265	ok	0.13	3.59e-02	3.17e-03	10.1	15.7	7.7	7.7	-4.8	-19.6	2.0	1.3	-2.7	-2.1
1266	ok	0.13	3.07e-02	3.64e-03	10.1	15.7	7.7	7.7	-1.6	-22.5	1.8	0.3	-2.9	-0.8
1267	ok	0.13	8.60e-02	2.63e-03	10.1	15.7	7.7	7.7	-16.0	-11.2	2.1	16.9	1.0	-2.5
1268	ok	0.13	5.74e-02	2.35e-03	10.1	15.7	7.7	7.7	-13.4	-13.0	1.9	10.9	-0.3	-2.4
1269	ok	0.13	3.65e-02	2.50e-03	10.1	15.7	7.7	7.7	-10.6	-15.0	1.9	6.4	-1.3	-2.3
1270	ok	0.13	2.95e-02	2.82e-03	10.1	15.7	7.7	7.7	-7.8	-17.2	1.8	3.2	-2.1	-2.3
1271	ok	0.13	3.48e-02	3.20e-03	10.1	15.7	7.7	7.7	-4.8	-19.7	1.8	1.3	-2.6	-2.0
1272	ok	0.13	3.00e-02	3.65e-03	10.1	15.7	7.7	7.7	-1.6	-22.6	1.8	0.3	-2.8	-0.8
1273	ok	0.13	8.53e-02	2.66e-03	10.1	15.7	7.7	7.7	-16.1	-11.3	1.3	16.8	1.1	-2.4
1274	ok	0.13	5.68e-02	2.46e-03	10.1	15.7	7.7	7.7	-13.5	-13.0	1.3	10.8	-0.2	-2.3
1275	ok	0.13	3.58e-02	2.56e-03	10.1	15.7	7.7	7.7	-10.7	-14.9	1.3	6.3	-1.3	-2.2
1276	ok	0.13	2.84e-02	2.83e-03	10.1	15.7	7.7	7.7	-7.8	-17.1	1.4	3.2	-2.0	-2.1
1277	ok	0.13	3.37e-02	3.19e-03	10.1	15.7	7.7	7.7	-4.8	-19.6	1.6	1.3	-2.5	-1.9
1278	ok	0.13	2.94e-02	3.62e-03	10.1	15.7	7.7	7.7	-1.6	-22.4	1.8	0.3	-2.8	-0.7
1279	ok	0.13	8.46e-02	2.74e-03	10.1	15.7	7.7	7.7	-16.2	-11.2	0.6	16.8	1.2	-2.2
1280	ok	0.13	5.63e-02	2.56e-03	10.1	15.7	7.7	7.7	-13.5	-12.9	0.6	10.8	-0.1	-2.1
1281	ok	0.13	3.50e-02	2.59e-03	10.1	15.7	7.7	7.7	-10.7	-14.8	0.8	6.3	-1.2	-2.1
1282	ok	0.13	2.73e-02	2.82e-03	10.1	15.7	7.7	7.7	-7.8	-16.9	1.1	3.2	-1.9	-2.0
1283	ok	0.13	3.25e-02	3.15e-03	10.1	15.7	7.7	7.7	-4.8	-19.3	1.4	1.3	-2.5	-1.8
1284	ok	0.13	2.88e-02	3.55e-03	10.1	15.7	7.7	7.7	-1.6	-21.9	1.8	0.3	-2.7	-0.7
1285	ok	0.13	8.40e-02	2.84e-03	10.1	15.7	7.7	7.7	-16.3	-11.0	-0.2	16.7	1.3	-2.0
1286	ok	0.13	5.56e-02	2.63e-03	10.1	15.7	7.7	7.7	-13.6	-12.6	4.01e-02	10.7	-9.73e-02	-2.0
1287	ok	0.13	3.44e-02	2.61e-03	10.1	15.7	7.7	7.7	-10.8	-14.4	0.4	6.3	-1.1	-1.9
1288	ok	0.13	2.63e-02	2.78e-03	10.1	15.7	7.7	7.7	-7.8	-16.4	0.7	3.2	-1.9	-1.9
1289	ok	0.13	3.16e-02	3.07e-03	10.1	15.7	7.7	7.7	-4.8	-18.7	1.2	1.3	-2.4	-1.7
1290	ok	0.13	2.83e-02	3.44e-03	10.1	15.7	7.7	7.7	-1.6	-21.3	1.8	0.3	-2.7	-0.7
1291	ok	0.13	8.34e-02	2.92e-03	10.1	15.7	7.7	7.7	-16.3	-10.7	-0.9	16.7	1.3	-1.9
1292	ok	0.13	5.51e-02	2.69e-03	10.1	15.7	7.7	7.7	-13.6	-12.2	-0.5	10.7	-8.45e-02	-1.8
1293	ok	0.13	3.39e-02	2.61e-03	10.1	15.7	7.7	7.7	-10.8	-13.9	-8.71e-02	6.2	-1.1	-1.8
1294	ok	0.13	2.55e-02	2.72e-03	10.1	15.7	7.7	7.7	-7.8	-15.8	0.4	3.1	-1.9	-1.7
1295	ok	0.13	3.08e-02	2.97e-03	10.1	15.7	7.7	7.7	-4.8	-18.0	1.1	1.3	-2.4	-1.6
1296	ok	0.13	2.81e-02	3.30e-03	10.1	15.7	7.7	7.7	-1.6	-20.4	1.8	0.3	-2.7	-0.7
1297	ok	0.13	8.27e-02	3.00e-03	10.1	15.7	7.7	7.7	-16.4	-10.2	-1.5	16.7	1.3	-1.7
1298	ok	0.13	5.45e-02	2.73e-03	10.1	15.7	7.7	7.7	-13.6	-11.6	-1.1	10.7	-0.1	-1.6
1299	ok	0.13	3.34e-02	2.59e-03	10.1	15.7	7.7	7.7	-10.8	-13.2	-0.5	6.2	-1.2	-1.6
1300	ok	0.13	2.49e-02	2.64e-03	10.1	15.7	7.7	7.7	-7.9	-15.0	0.2	3.1	-1.9	-1.6
1301	ok	0.13	3.03e-02	2.83e-03	10.1	15.7	7.7	7.7	-4.8	-17.1	0.9	1.2	-2.4	-1.4
1302	ok	0.13	2.80e-02	3.13e-03	10.1	15.7	7.7	7.7	-1.6	-19.3	1.8	0.3	-2.7	-0.7
1303	ok	0.13	8.21e-02	3.07e-03	10.1	15.7	7.7	7.7	-16.5	-9.5	-2.2	16.6	1.2	-1.5
1304	ok	0.13	5.39e-02	2.76e-03	10.1	15.7	7.7	7.7	-13.7	-10.8	-1.6	10.6	-0.2	-1.5
1305	ok	0.13	3.29e-02	2.56e-03	10.1	15.7	7.7	7.7	-10.8	-12.4	-0.9	6.2	-1.2	-1.5
1306	ok	0.13	2.46e-02	2.54e-03	10.1	15.7	7.7	7.7	-7.9	-14.1	-9.77e-02	3.1	-2.0	-1.4
1307	ok	0.13	2.99e-02	2.68e-03	10.1	15.7	7.7	7.7	-4.8	-16.0	0.8	1.3	-2.5	-1.3
1308	ok	0.13	2.82e-02	2.94e-03	10.1	15.7	7.7	7.7	-1.6	-18.1	1.8	0.3	-2.7	-0.6

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
1309	ok	0.13	8.15e-02	3.12e-03	10.1	15.7	7.7	7.7	-16.6	-8.7	-2.7	16.6	1.1	-1.3
1310	ok	0.13	5.34e-02	2.78e-03	10.1	15.7	7.7	7.7	-13.8	-9.9	-2.0	10.6	-0.3	-1.3
1311	ok	0.13	3.25e-02	2.53e-03	10.1	15.7	7.7	7.7	-10.9	-11.4	-1.2	6.2	-1.3	-1.3
1312	ok	0.13	2.45e-02	2.42e-03	10.1	15.7	7.7	7.7	-7.9	-13.0	-0.3	3.1	-2.1	-1.3
1313	ok	0.13	2.98e-02	2.50e-03	10.1	15.7	7.7	7.7	-4.8	-14.7	0.7	1.3	-2.6	-1.2
1314	ok	0.13	2.87e-02	2.72e-03	10.1	15.7	7.7	7.7	-1.6	-16.7	1.8	0.3	-2.8	-0.6
1315	ok	0.13	8.11e-02	3.17e-03	10.1	15.7	7.7	7.7	-16.8	-7.7	-3.3	16.5	0.9	-1.2
1316	ok	0.13	5.29e-02	2.79e-03	10.1	15.7	7.7	7.7	-13.9	-8.9	-2.4	10.6	-0.4	-1.1
1317	ok	0.13	3.21e-02	2.49e-03	10.1	15.7	7.7	7.7	-10.9	-10.3	-1.5	6.2	-1.4	-1.1
1318	ok	0.13	2.48e-02	2.30e-03	10.1	15.7	7.7	7.7	-7.9	-11.7	-0.5	3.1	-2.2	-1.1
1319	ok	0.13	2.99e-02	2.31e-03	10.1	15.7	7.7	7.7	-4.8	-13.4	0.6	1.3	-2.7	-1.1
1320	ok	0.13	2.93e-02	2.48e-03	10.1	15.7	7.7	7.7	-1.6	-15.1	1.8	0.3	-2.9	-0.6
1321	ok	0.13	8.08e-02	3.21e-03	10.1	15.7	7.7	7.7	-17.0	-6.6	-3.7	16.5	0.7	-1.0
1322	ok	0.13	5.27e-02	2.79e-03	10.1	15.7	7.7	7.7	-14.0	-7.8	-2.7	10.6	-0.6	-1.0
1323	ok	0.13	3.17e-02	2.43e-03	10.1	15.7	7.7	7.7	-11.0	-9.0	-1.7	6.2	-1.6	-1.0
1324	ok	0.13	2.54e-02	2.18e-03	10.1	15.7	7.7	7.7	-7.9	-10.4	-0.7	3.2	-2.3	-1.0
1325	ok	0.13	3.02e-02	2.10e-03	10.1	15.7	7.7	7.7	-4.8	-11.9	0.5	1.3	-2.8	-1.0
1326	ok	0.13	3.01e-02	2.21e-03	10.1	15.7	7.7	7.7	-1.6	-13.4	1.8	0.3	-3.0	-0.6
1327	ok	0.13	8.06e-02	3.23e-03	10.1	15.7	7.7	7.7	-17.3	-5.3	-3.9	16.5	0.5	-0.9
1328	ok	0.13	5.26e-02	2.78e-03	10.1	15.7	7.7	7.7	-14.2	-6.5	-2.9	10.6	-0.8	-0.9
1329	ok	0.13	3.16e-02	2.37e-03	10.1	15.7	7.7	7.7	-11.1	-7.7	-1.9	6.2	-1.7	-0.9
1330	ok	0.13	2.61e-02	2.05e-03	10.1	15.7	7.7	7.7	-8.0	-9.0	-0.8	3.2	-2.5	-0.9
1331	ok	0.13	3.07e-02	1.89e-03	10.1	15.7	7.7	7.7	-4.8	-10.3	0.5	1.3	-2.9	-0.9
1332	ok	0.13	3.09e-02	1.93e-03	10.1	15.7	7.7	7.7	-1.6	-11.7	1.8	0.3	-3.1	-0.6
1333	ok	0.13	8.05e-02	3.24e-03	10.1	15.7	7.7	7.7	-17.6	-4.0	-3.9	16.5	0.3	-0.8
1334	ok	0.13	5.26e-02	2.76e-03	10.1	15.7	7.7	7.7	-14.4	-5.2	-2.9	10.6	-1.0	-0.8
1335	ok	0.13	3.17e-02	2.31e-03	10.1	15.7	7.7	7.7	-11.2	-6.4	-1.9	6.3	-1.9	-0.8
1336	ok	0.13	2.68e-02	1.93e-03	10.1	15.7	7.7	7.7	-8.0	-7.6	-0.8	3.2	-2.6	-0.8
1337	ok	0.13	3.11e-02	1.69e-03	10.1	15.7	7.7	7.7	-4.8	-8.7	0.5	1.3	-3.0	-0.8
1338	ok	0.13	3.15e-02	1.64e-03	10.1	15.7	7.7	7.7	-1.6	-9.8	1.9	0.3	-3.2	-0.5
1339	ok	0.13	8.06e-02	3.22e-03	10.1	15.7	7.7	7.7	-18.0	-2.7	-3.7	16.5	2.61e-02	-0.7
1340	ok	0.13	5.27e-02	2.72e-03	10.1	15.7	7.7	7.7	-14.6	-4.0	-2.8	10.7	-1.1	-0.7
1341	ok	0.13	3.18e-02	2.25e-03	10.1	15.7	7.7	7.7	-11.3	-5.1	-1.8	6.3	-2.0	-0.8
1342	ok	0.13	2.73e-02	1.82e-03	10.1	15.7	7.7	7.7	-8.0	-6.1	-0.7	3.3	-2.7	-0.8
1343	ok	0.13	3.12e-02	1.50e-03	10.1	15.7	7.7	7.7	-4.8	-7.0	0.5	1.3	-3.1	-0.8
1344	ok	0.13	3.16e-02	1.36e-03	10.1	15.7	7.7	7.7	-1.6	-7.9	1.9	0.3	-3.3	-0.5
1345	ok	0.13	8.07e-02	3.19e-03	10.1	15.7	7.7	7.7	-18.4	-1.6	-3.3	16.5	-0.2	-0.7
1346	ok	0.13	5.30e-02	2.67e-03	10.1	15.7	7.7	7.7	-14.8	-2.9	-2.5	10.7	-1.3	-0.8
1347	ok	0.13	3.21e-02	2.18e-03	10.1	15.7	7.7	7.7	-11.4	-3.9	-1.6	6.4	-2.1	-0.8
1348	ok	0.13	2.71e-02	1.73e-03	10.1	15.7	7.7	7.7	-8.0	-4.8	-0.6	3.3	-2.7	-0.8
1349	ok	0.13	3.07e-02	1.33e-03	10.1	15.7	7.7	7.7	-4.8	-5.5	0.5	1.3	-3.0	-0.7
1350	ok	0.13	3.10e-02	1.08e-03	10.1	15.7	7.7	7.7	-1.6	-6.0	1.9	0.3	-3.2	-0.5
1351	ok	0.13	8.10e-02	3.15e-03	10.1	15.7	7.7	7.7	-18.7	-0.6	-2.6	16.6	-0.4	-0.9
1352	ok	0.13	5.34e-02	2.62e-03	10.1	15.7	7.7	7.7	-15.0	-2.0	-2.0	10.8	-1.3	-0.9
1353	ok	0.13	3.24e-02	2.12e-03	10.1	15.7	7.7	7.7	-11.5	-2.9	-1.3	6.4	-2.0	-0.9
1354	ok	0.13	2.59e-02	1.64e-03	10.1	15.7	7.7	7.7	-8.1	-3.5	-0.5	3.3	-2.5	-0.9
1355	ok	0.13	2.90e-02	1.20e-03	10.1	15.7	7.7	7.7	-4.8	-3.9	0.6	1.3	-2.9	-0.8
1356	ok	0.13	2.91e-02	8.32e-04	10.1	15.7	7.7	7.7	-1.6	-4.2	1.9	0.3	-3.1	-0.5
1357	ok	0.13	8.15e-02	3.11e-03	10.1	15.7	7.7	7.7	-19.0	-5.59e-02	-1.7	16.6	-0.4	-1.2
1358	ok	0.13	5.38e-02	2.58e-03	10.1	15.7	7.7	7.7	-15.2	-1.3	-1.4	10.8	-1.2	-1.1
1359	ok	0.13	3.28e-02	2.07e-03	10.1	15.7	7.7	7.7	-11.6	-2.0	-0.9	6.4	-1.8	-1.1
1360	ok	0.13	2.32e-02	1.58e-03	10.1	15.7	7.7	7.7	-8.2	-2.4	-0.2	3.3	-2.2	-1.0
1361	ok	0.13	2.57e-02	1.09e-03	10.1	15.7	7.7	7.7	-4.8	-2.5	0.7	1.4	-2.5	-0.8
1362	ok	0.13	2.54e-02	6.27e-04	10.1	15.7	7.7	7.7	-1.6	-2.4	1.9	0.3	-2.7	-0.5
1363	ok	0.13	8.23e-02	3.10e-03	10.1	15.7	7.7	7.7	-19.5	6.94e-02	-0.8	16.6	-0.3	-1.6
1364	ok	0.13	5.46e-02	2.58e-03	10.1	15.7	7.7	7.7	-15.7	-0.9	-0.8	10.8	-0.9	-1.5
1365	ok	0.13	3.35e-02	2.06e-03	10.1	15.7	7.7	7.7	-12.0	-1.3	-0.4	6.4	-1.3	-1.4
1366	ok	0.13	1.85e-02	1.52e-03	10.1	15.7	7.7	7.7	-8.4	-1.5	0.2	3.3	-1.6	-1.2
1367	ok	0.13	2.03e-02	1.01e-03	10.1	15.7	7.7	7.7	-4.9	-1.4	0.9	1.3	-1.8	-0.9
1368	ok	0.13	1.90e-02	4.89e-04	10.1	15.7	7.7	7.7	-1.6	-0.8	1.9	0.3	-2.0	-0.5
1369	ok	0.13	8.38e-02	3.17e-03	10.1	15.7	7.7	7.7	-20.6	-0.3	0.2	16.7	-8.27e-03	-2.2
1370	ok	0.13	5.56e-02	2.68e-03	10.1	15.7	7.7	7.7	-16.7	-0.7	1.20e-03	10.7	-0.3	-2.0
1371	ok	0.13	3.39e-02	2.08e-03	10.1	15.7	7.7	7.7	-12.7	-0.7	0.4	6.2	-0.5	-1.7
1372	ok	0.13	1.90e-02	1.48e-03	10.1	15.7	7.7	7.7	-8.7	-0.7	0.9	3.1	-0.7	-1.4
1373	ok	0.13	1.25e-02	9.04e-04	10.1	15.7	7.7	7.7	-4.8	-0.5	1.4	1.2	-0.8	-1.0
1374	ok	0.13	9.70e-03	4.22e-04	10.1	15.7	7.7	7.7	-1.6	0.5	1.9	0.3	-0.9	-0.5
1375	ok	0.13	8.24e-02	3.63e-03	10.1	15.7	7.7	7.7	-24.0	-1.0	1.4	16.7	0.2	-1.2
1376	ok	0.13	5.38e-02	2.74e-03	10.1	15.7	7.7	7.7	-18.1	-0.3	1.8	10.7	0.3	-1.1
1377	ok	0.13	3.24e-02	1.99e-03	10.1	15.7	7.7	7.7	-13.0	-0.3	1.9	6.2	0.3	-0.9
1378	ok	0.13	1.77e-02	1.37e-03	10.1	15.7	7.7	7.7	-8.6	-0.2	2.0	3.1	0.3	-0.8
1379	ok	0.13	9.18e-03	8.86e-04	10.1	15.7	7.7	7.7	-5.1	-7.61e-02	2.1	1.3	0.2	-0.6
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**
									-276.11	-159.59	-115.55	-30.14	-18.46	-42.98
		0.13	0.91	0.03	10.05	15.71	15.39	15.39	35.69	64.18	100.01	391.36	71.42	49.15

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		kN/ m2					kN/ m	kN/ m
5	ok	1.23						
6	ok	1.79						
7	ok	1.01						
8	ok	1.13						
9	ok	0.07						
10	ok	0.09						
11	ok	1.05						
12	ok	2.78						
13	ok	1.33						
14	ok	2.98						
15	ok	1.60						
16	ok	2.35						
17	ok	0.07						
18	ok	0.11						
23	ok	1.10						
24	ok	1.41						
68	ok	2.36						
138	ok	2.93						
139	ok	2.98						
140	ok	2.98						
620	ok	2.96						
621	ok	2.94						
622	ok	2.93						
623	ok	2.93						
624	ok	2.94						
625	ok	2.95						
626	ok	2.95						
627	ok	2.96						
628	ok	2.96						
629	ok	2.96						
630	ok	2.97						
631	ok	2.97						
632	ok	2.97						
633	ok	2.97						
634	ok	2.97						
635	ok	2.98						
636	ok	2.98						
637	ok	2.99						
638	ok	3.00						
639	ok	3.01						
640	ok	3.02						
641	ok	3.04						
642	ok	3.07						
643	ok	3.10						
644	ok	3.13						
645	ok	3.14						
646	ok	3.14						
647	ok	3.13						
648	ok	3.02						
649	ok	2.69						
773	ok	1.47						
774	ok	1.91						
775	ok	2.78						
776	ok	2.98						
777	ok	2.36						
778	ok	2.93						
779	ok	2.98						
780	ok	2.98						
781	ok	2.96						
782	ok	2.94						
783	ok	2.93						
784	ok	2.93						
785	ok	2.94						
786	ok	2.95						
787	ok	2.95						
788	ok	2.96						
789	ok	2.96						
790	ok	2.96						
791	ok	2.97						
792	ok	2.97						
793	ok	2.97						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
794	ok	2.97						
795	ok	2.97						
796	ok	2.98						
797	ok	2.98						
798	ok	2.99						
799	ok	3.00						
800	ok	3.01						
801	ok	3.02						
802	ok	3.04						
803	ok	3.07						
804	ok	3.10						
805	ok	3.13						
806	ok	3.14						
807	ok	3.14						
808	ok	3.13						
809	ok	3.02						
810	ok	2.69						
811	ok	1.54						
812	ok	1.99						
813	ok	2.51						
814	ok	2.71						
815	ok	2.23						
816	ok	2.63						
817	ok	2.69						
818	ok	2.70						
819	ok	2.71						
820	ok	2.70						
821	ok	2.71						
822	ok	2.72						
823	ok	2.73						
824	ok	2.74						
825	ok	2.75						
826	ok	2.76						
827	ok	2.76						
828	ok	2.77						
829	ok	2.78						
830	ok	2.78						
831	ok	2.79						
832	ok	2.79						
833	ok	2.79						
834	ok	2.80						
835	ok	2.80						
836	ok	2.81						
837	ok	2.82						
838	ok	2.83						
839	ok	2.85						
840	ok	2.86						
841	ok	2.88						
842	ok	2.90						
843	ok	2.91						
844	ok	2.91						
845	ok	2.91						
846	ok	2.88						
847	ok	2.79						
848	ok	2.56						
849	ok	1.54						
850	ok	2.01						
851	ok	2.26						
852	ok	2.43						
853	ok	2.06						
854	ok	2.36						
855	ok	2.40						
856	ok	2.42						
857	ok	2.43						
858	ok	2.44						
859	ok	2.46						
860	ok	2.48						
861	ok	2.50						
862	ok	2.51						
863	ok	2.53						
864	ok	2.54						
865	ok	2.55						
866	ok	2.56						
867	ok	2.56						
868	ok	2.57						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
869	ok	2.57						
870	ok	2.58						
871	ok	2.58						
872	ok	2.59						
873	ok	2.59						
874	ok	2.60						
875	ok	2.61						
876	ok	2.61						
877	ok	2.62						
878	ok	2.63						
879	ok	2.64						
880	ok	2.65						
881	ok	2.65						
882	ok	2.65						
883	ok	2.64						
884	ok	2.60						
885	ok	2.52						
886	ok	2.36						
887	ok	1.52						
888	ok	2.01						
889	ok	2.02						
890	ok	2.15						
891	ok	1.87						
892	ok	2.11						
893	ok	2.15						
894	ok	2.15						
895	ok	2.15						
896	ok	2.18						
897	ok	2.21						
898	ok	2.24						
899	ok	2.27						
900	ok	2.29						
901	ok	2.31						
902	ok	2.32						
903	ok	2.33						
904	ok	2.34						
905	ok	2.35						
906	ok	2.35						
907	ok	2.36						
908	ok	2.36						
909	ok	2.37						
910	ok	2.37						
911	ok	2.38						
912	ok	2.38						
913	ok	2.39						
914	ok	2.39						
915	ok	2.40						
916	ok	2.40						
917	ok	2.41						
918	ok	2.41						
919	ok	2.41						
920	ok	2.40						
921	ok	2.37						
922	ok	2.34						
923	ok	2.27						
924	ok	2.17						
925	ok	1.43						
926	ok	1.96						
927	ok	1.80						
928	ok	1.89						
929	ok	1.66						
930	ok	1.89						
931	ok	1.92						
932	ok	1.92						
933	ok	1.86						
934	ok	1.90						
935	ok	1.96						
936	ok	2.00						
937	ok	2.04						
938	ok	2.07						
939	ok	2.09						
940	ok	2.10						
941	ok	2.11						
942	ok	2.12						
943	ok	2.13						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
944	ok	2.14						
945	ok	2.14						
946	ok	2.15						
947	ok	2.15						
948	ok	2.15						
949	ok	2.16						
950	ok	2.16						
951	ok	2.17						
952	ok	2.17						
953	ok	2.17						
954	ok	2.17						
955	ok	2.17						
956	ok	2.17						
957	ok	2.16						
958	ok	2.15						
959	ok	2.13						
960	ok	2.09						
961	ok	2.04						
962	ok	1.98						
963	ok	1.25						
964	ok	1.85						
965	ok	1.59						
966	ok	1.65						
967	ok	1.39						
968	ok	1.74						
969	ok	1.76						
970	ok	1.76						
971	ok	1.52						
972	ok	1.63						
973	ok	1.72						
974	ok	1.78						
975	ok	1.82						
976	ok	1.85						
977	ok	1.87						
978	ok	1.89						
979	ok	1.90						
980	ok	1.91						
981	ok	1.91						
982	ok	1.92						
983	ok	1.92						
984	ok	1.93						
985	ok	1.93						
986	ok	1.94						
987	ok	1.94						
988	ok	1.94						
989	ok	1.94						
990	ok	1.95						
991	ok	1.95						
992	ok	1.95						
993	ok	1.94						
994	ok	1.94						
995	ok	1.93						
996	ok	1.91						
997	ok	1.89						
998	ok	1.86						
999	ok	1.82						
1000	ok	1.85						
1001	ok	1.00						
1002	ok	1.71						
1003	ok	1.41						
1004	ok	2.23						
1005	ok	1.04						
1006	ok	1.63						
1007	ok	1.67						
1008	ok	2.23						
1009	ok	1.58						
1010	ok	1.40						
1011	ok	1.51						
1012	ok	1.57						
1013	ok	1.61						
1014	ok	1.64						
1015	ok	1.66						
1016	ok	1.67						
1017	ok	1.68						
1018	ok	1.69						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1019	ok	1.70						
1020	ok	1.70						
1021	ok	1.71						
1022	ok	1.71						
1023	ok	1.71						
1024	ok	1.72						
1025	ok	1.72						
1026	ok	1.72						
1027	ok	1.72						
1028	ok	1.72						
1029	ok	1.72						
1030	ok	1.72						
1031	ok	1.72						
1032	ok	1.71						
1033	ok	1.70						
1034	ok	1.68						
1035	ok	1.66						
1036	ok	1.64						
1037	ok	1.61						
1038	ok	1.71						
1039	ok	1.04						
1040	ok	1.56						
1041	ok	1.60						
1042	ok	2.35						
1043	ok	1.60						
1044	ok	1.26						
1045	ok	1.67						
1046	ok	2.23						
1047	ok	2.35						
1048	ok	1.46						
1049	ok	1.37						
1050	ok	1.41						
1051	ok	1.44						
1052	ok	1.46						
1053	ok	1.47						
1054	ok	1.48						
1055	ok	1.49						
1056	ok	1.50						
1057	ok	1.50						
1058	ok	1.51						
1059	ok	1.51						
1060	ok	1.52						
1061	ok	1.52						
1062	ok	1.52						
1063	ok	1.52						
1064	ok	1.52						
1065	ok	1.52						
1066	ok	1.52						
1067	ok	1.52						
1068	ok	1.52						
1069	ok	1.51						
1070	ok	1.51						
1071	ok	1.50						
1072	ok	1.48						
1073	ok	1.46						
1074	ok	1.44						
1075	ok	1.42						
1076	ok	1.56						
1077	ok	1.60						
1078	ok	2.35						
1079	ok	1.46						
1080	ok	1.28						
1081	ok	1.26						
1082	ok	1.27						
1083	ok	1.28						
1084	ok	1.29						
1085	ok	1.30						
1086	ok	1.31						
1087	ok	1.31						
1088	ok	1.32						
1089	ok	1.32						
1090	ok	1.33						
1091	ok	1.33						
1092	ok	1.33						
1093	ok	1.33						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1094	ok	1.33						
1095	ok	1.33						
1096	ok	1.33						
1097	ok	1.33						
1098	ok	1.33						
1099	ok	1.33						
1100	ok	1.32						
1101	ok	1.32						
1102	ok	1.30						
1103	ok	1.29						
1104	ok	1.28						
1105	ok	1.26						
1106	ok	1.25						
1107	ok	1.41						
1108	ok	1.28						
1109	ok	1.70						
1110	ok	1.10						
1111	ok	1.28						
1112	ok	1.28						
1113	ok	1.70						
1114	ok	1.42						
1115	ok	1.22						
1116	ok	1.16						
1117	ok	1.14						
1118	ok	1.14						
1119	ok	1.15						
1120	ok	1.16						
1121	ok	1.16						
1122	ok	1.17						
1123	ok	1.17						
1124	ok	1.17						
1125	ok	1.18						
1126	ok	1.18						
1127	ok	1.18						
1128	ok	1.18						
1129	ok	1.18						
1130	ok	1.18						
1131	ok	1.18						
1132	ok	1.18						
1133	ok	1.18						
1134	ok	1.17						
1135	ok	1.17						
1136	ok	1.16						
1137	ok	1.15						
1138	ok	1.14						
1139	ok	1.12						
1140	ok	1.11						
1141	ok	1.10						
1142	ok	1.28						
1143	ok	1.05						
1144	ok	1.33						
1145	ok	1.23						
1146	ok	1.09						
1147	ok	1.03						
1148	ok	1.00						
1149	ok	1.00						
1150	ok	1.00						
1151	ok	1.00						
1152	ok	1.01						
1153	ok	1.01						
1154	ok	1.01						
1155	ok	1.02						
1156	ok	1.02						
1157	ok	1.02						
1158	ok	1.02						
1159	ok	1.02						
1160	ok	1.02						
1161	ok	1.02						
1162	ok	1.02						
1163	ok	1.02						
1164	ok	1.02						
1165	ok	1.01						
1166	ok	1.01						
1167	ok	1.00						
1168	ok	0.99						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1169	ok	0.98						
1170	ok	0.97						
1171	ok	0.95						
1172	ok	0.95						
1173	ok	1.13						
1174	ok	0.86						
1175	ok	0.86						
1176	ok	0.66						
1177	ok	0.66						
1178	ok	0.48						
1179	ok	0.48						
1180	ok	0.32						
1181	ok	0.32						
1182	ok	0.18						
1183	ok	0.18						
1184	ok	0.07						
1185	ok	0.86						
1186	ok	0.66						
1187	ok	0.48						
1188	ok	0.32						
1189	ok	0.18						
1190	ok	1.08						
1191	ok	1.08						
1192	ok	0.83						
1193	ok	0.83						
1194	ok	0.62						
1195	ok	0.62						
1196	ok	0.43						
1197	ok	0.43						
1198	ok	0.26						
1199	ok	0.26						
1200	ok	0.12						
1201	ok	1.00						
1202	ok	0.75						
1203	ok	0.54						
1204	ok	0.37						
1205	ok	0.23						
1206	ok	0.13						
1207	ok	0.93						
1208	ok	0.72						
1209	ok	0.53						
1210	ok	0.36						
1211	ok	0.22						
1212	ok	0.15						
1213	ok	0.88						
1214	ok	0.69						
1215	ok	0.51						
1216	ok	0.36						
1217	ok	0.22						
1218	ok	0.17						
1219	ok	0.86						
1220	ok	0.67						
1221	ok	0.50						
1222	ok	0.35						
1223	ok	0.21						
1224	ok	0.18						
1225	ok	0.85						
1226	ok	0.66						
1227	ok	0.49						
1228	ok	0.34						
1229	ok	0.21						
1230	ok	0.18						
1231	ok	0.85						
1232	ok	0.66						
1233	ok	0.48						
1234	ok	0.33						
1235	ok	0.20						
1236	ok	0.19						
1237	ok	0.85						
1238	ok	0.65						
1239	ok	0.48						
1240	ok	0.33						
1241	ok	0.19						
1242	ok	0.19						
1243	ok	0.85						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1244	ok	0.66						
1245	ok	0.48						
1246	ok	0.32						
1247	ok	0.19						
1248	ok	0.19						
1249	ok	0.85						
1250	ok	0.66						
1251	ok	0.48						
1252	ok	0.32						
1253	ok	0.19						
1254	ok	0.19						
1255	ok	0.86						
1256	ok	0.66						
1257	ok	0.48						
1258	ok	0.32						
1259	ok	0.19						
1260	ok	0.18						
1261	ok	0.86						
1262	ok	0.66						
1263	ok	0.48						
1264	ok	0.32						
1265	ok	0.18						
1266	ok	0.17						
1267	ok	0.86						
1268	ok	0.66						
1269	ok	0.48						
1270	ok	0.32						
1271	ok	0.18						
1272	ok	0.17						
1273	ok	0.86						
1274	ok	0.66						
1275	ok	0.48						
1276	ok	0.32						
1277	ok	0.18						
1278	ok	0.16						
1279	ok	0.86						
1280	ok	0.66						
1281	ok	0.48						
1282	ok	0.32						
1283	ok	0.18						
1284	ok	0.15						
1285	ok	0.86						
1286	ok	0.66						
1287	ok	0.48						
1288	ok	0.32						
1289	ok	0.18						
1290	ok	0.14						
1291	ok	0.86						
1292	ok	0.66						
1293	ok	0.48						
1294	ok	0.32						
1295	ok	0.18						
1296	ok	0.14						
1297	ok	0.86						
1298	ok	0.66						
1299	ok	0.48						
1300	ok	0.32						
1301	ok	0.18						
1302	ok	0.13						
1303	ok	0.86						
1304	ok	0.66						
1305	ok	0.48						
1306	ok	0.32						
1307	ok	0.18						
1308	ok	0.12						
1309	ok	0.86						
1310	ok	0.66						
1311	ok	0.48						
1312	ok	0.32						
1313	ok	0.18						
1314	ok	0.11						
1315	ok	0.86						
1316	ok	0.66						
1317	ok	0.48						
1318	ok	0.32						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1319	ok	0.18						
1320	ok	0.10						
1321	ok	0.85						
1322	ok	0.66						
1323	ok	0.48						
1324	ok	0.32						
1325	ok	0.18						
1326	ok	0.10						
1327	ok	0.85						
1328	ok	0.65						
1329	ok	0.48						
1330	ok	0.32						
1331	ok	0.18						
1332	ok	0.09						
1333	ok	0.84						
1334	ok	0.65						
1335	ok	0.47						
1336	ok	0.32						
1337	ok	0.18						
1338	ok	0.08						
1339	ok	0.83						
1340	ok	0.64						
1341	ok	0.47						
1342	ok	0.31						
1343	ok	0.18						
1344	ok	0.08						
1345	ok	0.82						
1346	ok	0.63						
1347	ok	0.46						
1348	ok	0.31						
1349	ok	0.18						
1350	ok	0.07						
1351	ok	0.81						
1352	ok	0.62						
1353	ok	0.45						
1354	ok	0.30						
1355	ok	0.17						
1356	ok	0.07						
1357	ok	0.80						
1358	ok	0.61						
1359	ok	0.44						
1360	ok	0.30						
1361	ok	0.17						
1362	ok	0.06						
1363	ok	0.79						
1364	ok	0.61						
1365	ok	0.44						
1366	ok	0.29						
1367	ok	0.17						
1368	ok	0.07						
1369	ok	0.98						
1370	ok	0.77						
1371	ok	0.58						
1372	ok	0.40						
1373	ok	0.23						
1374	ok	0.09						
1375	ok	0.98						
1376	ok	0.77						
1377	ok	0.58						
1378	ok	0.40						
1379	ok	0.23						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		3.14						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	75.00	3	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
									kN/ m	kN/ m	kN/ m	kN	kN	kN

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
1	ok	0.07	6.65e-03	6.08e-04	20.9	20.9	7.7	7.7	-5.6	2.4	-2.9	-2.5	0.6	-1.3
2	ok	0.07	8.09e-03	6.81e-04	20.9	20.9	7.7	7.7	-6.4	3.7	3.3	-2.3	1.1	1.9
3	ok	0.07	6.90e-03	4.05e-04	20.9	20.9	7.7	7.7	5.4	-2.7	-3.5	2.1	-0.1	-1.7
4	ok	0.07	7.28e-03	5.40e-04	20.9	20.9	7.7	7.7	6.3	-4.0	4.0	2.2	-0.6	2.0
5	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	111.6	51.3	51.4	260.8	32.7	35.3
6	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	185.2	65.3	-71.5	305.8	40.9	-47.1
12	ok	0.07	0.6	5.89e-03	20.9	20.9	7.7	7.7	116.6	66.6	20.8	300.9	53.3	5.9
14	ok	0.07	0.7	4.00e-03	20.9	20.9	7.7	7.7	151.1	53.4	-5.5	345.2	65.8	-10.9
19	ok	0.07	9.25e-03	5.95e-04	20.9	20.9	7.7	7.7	-4.8	10.7	-5.3	-2.0	0.4	-2.6
20	ok	0.07	1.49e-02	4.59e-04	20.9	20.9	7.7	7.7	-4.5	49.4	-5.2	-1.7	-1.6	-3.1
21	ok	0.07	2.55e-02	2.34e-04	20.9	20.9	7.7	7.7	5.1	0.7	-4.7	2.0	-5.3	-2.3
22	ok	0.07	5.55e-02	1.26e-03	20.9	20.9	7.7	7.7	5.1	-11.0	-5.2	1.8	-11.7	-2.5
25	ok	0.07	1.04e-02	3.40e-04	20.9	20.9	7.7	7.7	5.1	9.13e-02	-4.4	2.0	-1.6	-2.1
26	ok	0.07	1.95e-02	4.48e-04	20.9	20.9	7.7	7.7	14.2	0.8	-5.0	7.8	-1.5	-4.1
27	ok	0.07	2.01e-02	1.62e-04	20.9	20.9	7.7	7.7	16.3	0.8	-4.6	9.3	1.0	-2.4
28	ok	0.07	3.12e-02	5.76e-04	20.9	20.9	7.7	7.7	14.3	-0.4	-6.1	8.2	-4.9	-4.6
29	ok	0.07	4.24e-02	3.45e-04	20.9	20.9	7.7	7.7	23.1	0.8	-6.4	19.5	-1.0	-6.0
30	ok	0.07	3.98e-02	1.77e-04	20.9	20.9	7.7	7.7	25.2	1.2	-4.7	20.8	1.0	-2.7
31	ok	0.07	4.18e-02	5.72e-04	20.9	20.9	7.7	7.7	22.8	-0.5	-8.0	19.9	-3.9	-6.2
32	ok	0.07	7.30e-02	3.41e-04	20.9	20.9	7.7	7.7	30.9	0.8	-7.5	36.3	-0.6	-7.5
33	ok	0.07	6.97e-02	1.69e-04	20.9	20.9	7.7	7.7	32.5	1.2	-4.7	37.4	0.9	-2.9
34	ok	0.07	7.27e-02	5.83e-04	20.9	20.9	7.7	7.7	30.8	-0.3	-9.8	36.7	-2.8	-7.5
35	ok	0.07	0.1	3.43e-04	20.9	20.9	7.7	7.7	37.7	0.9	-8.5	57.6	-0.2	-8.5
36	ok	0.07	0.1	1.60e-04	20.9	20.9	7.7	7.7	38.4	1.2	-4.7	58.3	0.8	-3.0
37	ok	0.07	0.1	5.88e-04	20.9	20.9	7.7	7.7	38.3	-0.1	-11.4	57.8	-1.5	-8.4
38	ok	0.07	0.2	3.47e-04	20.9	20.9	7.7	7.7	43.7	0.9	-9.4	82.4	0.2	-9.1
39	ok	0.07	0.2	1.55e-04	20.9	20.9	7.7	7.7	43.2	1.2	-4.7	82.8	0.7	-3.1
40	ok	0.07	0.2	5.89e-04	20.9	20.9	7.7	7.7	45.4	6.10e-02	-12.8	82.5	-0.2	-8.9
41	ok	0.07	0.2	3.53e-04	20.9	20.9	7.7	7.7	49.1	0.9	-10.1	110.0	0.7	-9.3
42	ok	0.07	0.2	1.52e-04	20.9	20.9	7.7	7.7	47.0	1.1	-4.8	110.2	0.6	-3.1
43	ok	0.07	0.2	5.88e-04	20.9	20.9	7.7	7.7	52.1	0.2	-13.9	110.0	1.3	-8.9
44	ok	0.07	0.3	3.61e-04	20.9	20.9	7.7	7.7	53.9	0.9	-10.7	139.6	1.2	-9.0
45	ok	0.07	0.3	1.51e-04	20.9	20.9	7.7	7.7	49.8	1.1	-4.8	139.5	0.4	-3.0
46	ok	0.07	0.3	5.86e-04	20.9	20.9	7.7	7.7	58.7	0.2	-14.8	139.4	3.0	-8.5
47	ok	0.07	0.3	3.72e-04	20.9	20.9	7.7	7.7	58.2	0.8	-11.3	170.3	1.8	-8.2
48	ok	0.07	0.3	1.52e-04	20.9	20.9	7.7	7.7	51.9	1.1	-4.8	169.8	0.3	-2.9
49	ok	0.07	0.3	5.81e-04	20.9	20.9	7.7	7.7	65.2	0.3	-15.6	169.9	4.9	-7.6
50	ok	0.07	0.4	3.86e-04	20.9	20.9	7.7	7.7	62.3	0.8	-11.9	201.1	2.4	-7.0
51	ok	0.07	0.4	1.54e-04	20.9	20.9	7.7	7.7	53.1	1.1	-4.8	200.2	0.1	-2.7
52	ok	0.07	0.4	5.67e-04	20.9	20.9	7.7	7.7	71.8	0.3	-16.1	200.7	7.0	-6.1
53	ok	0.07	0.4	4.03e-04	20.9	20.9	7.7	7.7	66.3	0.7	-12.4	231.0	3.2	-5.2
54	ok	0.07	0.4	1.59e-04	20.9	20.9	7.7	7.7	53.2	1.1	-4.9	229.6	-3.64e-02	-2.4
55	ok	0.07	0.4	5.29e-04	20.9	20.9	7.7	7.7	79.1	0.4	-16.2	230.6	9.5	-4.2
56	ok	0.07	0.5	4.12e-04	20.9	20.9	7.7	7.7	70.6	0.5	-12.9	258.6	4.2	-3.0
57	ok	0.07	0.5	1.69e-04	20.9	20.9	7.7	7.7	52.2	1.1	-5.0	256.4	-0.1	-2.1
58	ok	0.07	0.5	4.26e-04	20.9	20.9	7.7	7.7	87.3	0.8	-15.6	258.6	12.6	-2.0
59	ok	0.07	0.5	3.71e-04	20.9	20.9	7.7	7.7	75.5	0.9	-3.9	282.6	4.9	2.8
60	ok	0.07	0.5	1.91e-04	20.9	20.9	7.7	7.7	50.6	0.8	-5.4	277.1	-0.7	-1.4
61	ok	0.07	0.5	1.52e-04	20.9	20.9	7.7	7.7	97.7	2.5	-4.2	283.8	16.6	3.8
62	ok	0.07	0.6	2.27e-04	20.9	20.9	7.7	7.7	84.9	3.8	-1.1	297.0	7.1	6.0
63	ok	0.07	0.5	2.40e-04	20.9	20.9	7.7	7.7	46.4	-1.4	-6.9	286.1	-2.5	-1.0
64	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	111.9	7.9	2.9	301.6	22.5	6.2
65	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	124.0	13.3	26.0	307.7	14.1	18.2
66	ok	0.07	0.5	3.89e-03	20.9	20.9	7.7	7.7	27.3	-27.8	-26.8	264.0	-18.6	-11.3
67	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	124.1	27.3	18.6	309.4	33.7	7.4
68	ok	0.07	0.5	7.48e-03	20.9	20.9	7.7	7.7	97.2	64.6	32.5	271.8	46.3	17.9
69	ok	0.07	5.13e-02	4.39e-03	20.9	20.9	7.7	7.7	-13.6	21.8	-47.2	-15.4	0.3	-11.8
70	ok	0.07	1.78e-02	3.25e-03	20.9	20.9	7.7	7.7	25.4	4.1	-8.4	7.3	0.4	-2.6
71	ok	0.07	6.83e-02	5.17e-03	20.9	20.9	7.7	7.7	-37.3	29.5	-39.2	-23.4	-4.4	-12.3
72	ok	0.07	3.28e-02	2.52e-03	20.9	20.9	7.7	7.7	-9.2	4.6	-23.2	-7.9	-0.4	-8.1
73	ok	0.07	1.69e-02	1.39e-03	20.9	20.9	7.7	7.7	-12.3	-5.3	-4.6	-6.2	-0.9	-2.7
74	ok	0.07	4.32e-02	3.35e-03	20.9	20.9	7.7	7.7	-21.4	18.9	-28.1	-11.8	-1.2	-9.8
75	ok	0.07	1.96e-02	1.53e-03	20.9	20.9	7.7	7.7	-9.2	3.6	-11.9	-4.3	0.4	-5.3
76	ok	0.07	1.47e-02	1.56e-03	20.9	20.9	7.7	7.7	-15.6	-1.9	-4.4	-5.4	-0.8	-2.3
77	ok	0.07	2.58e-02	1.94e-03	20.9	20.9	7.7	7.7	-12.4	14.3	-17.2	-5.4	0.6	-7.2
78	ok	0.07	9.38e-03	7.50e-04	20.9	20.9	7.7	7.7	-5.3	0.2	-4.3	-2.2	-0.1	-2.3
79	ok	0.07	4.02e-02	3.34e-04	20.9	20.9	7.7	7.7	5.1	-0.7	-4.8	1.9	-8.4	-2.3
80	ok	0.07	4.13e-02	7.95e-04	20.9	20.9	7.7	7.7	14.5	-2.1	-7.2	8.5	-7.6	-4.4
81	ok	0.07	4.98e-02	5.48e-04	20.9	20.9	7.7	7.7	5.1	-3.3	-4.9	1.9	-10.4	-2.3
82	ok	0.07	4.82e-02	1.03e-03	20.9	20.9	7.7	7.7	14.7	-4.3	-8.1	8.6	-9.3	-4.2
83	ok	0.07	5.46e-02	8.48e-04	20.9	20.9	7.7	7.7	5.1	-6.7	-4.9	1.9	-11.5	-2.3
84	ok	0.07	5.25e-02	1.28e-03	20.9	20.9	7.7	7.7	15.0	-6.9	-8.7	8.7	-10.3	-4.0
85	ok	0.07	5.39e-02	1.58e-03	20.9	20.9	7.7	7.7	15.1	-9.9	-9.4	8.6	-10.4	-4.0
86	ok	0.07	4.12e-02	8.26e-04	20.9	20.9	7.7	7.7	23.2	-2.2	-9.5	20.4	-6.2	-5.7
87	ok	0.07	4.18e-02	1.08e-03	20.9	20.9	7.7	7.7	23.8	-4.2	-10.7	20.6	-7.6	-5.0

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
88	ok	0.07	4.43e-02	1.32e-03	20.9	20.9	7.7	7.7	24.5	-6.4	-11.6	20.7	-8.2	-4.6
89	ok	0.07	4.40e-02	1.57e-03	20.9	20.9	7.7	7.7	25.0	-8.7	-12.5	20.7	-8.2	-4.5
90	ok	0.07	7.24e-02	8.35e-04	20.9	20.9	7.7	7.7	31.6	-1.9	-11.7	37.1	-4.4	-6.5
91	ok	0.07	7.18e-02	1.07e-03	20.9	20.9	7.7	7.7	32.7	-3.6	-13.1	37.4	-5.3	-5.5
92	ok	0.07	7.13e-02	1.28e-03	20.9	20.9	7.7	7.7	33.8	-5.5	-14.0	37.5	-5.5	-4.8
93	ok	0.07	7.12e-02	1.49e-03	20.9	20.9	7.7	7.7	34.8	-7.3	-15.0	37.6	-5.2	-4.5
94	ok	0.07	0.1	8.28e-04	20.9	20.9	7.7	7.7	39.7	-1.5	-13.6	58.1	-2.4	-7.1
95	ok	0.07	0.1	1.04e-03	20.9	20.9	7.7	7.7	41.4	-3.0	-15.1	58.4	-2.6	-5.8
96	ok	0.07	0.1	1.21e-03	20.9	20.9	7.7	7.7	43.2	-4.4	-16.0	58.4	-2.3	-4.9
97	ok	0.07	0.1	1.38e-03	20.9	20.9	7.7	7.7	44.7	-5.8	-16.9	58.5	-1.5	-4.5
98	ok	0.07	0.2	8.09e-04	20.9	20.9	7.7	7.7	47.7	-1.1	-15.2	82.6	-7.74e-02	-7.4
99	ok	0.07	0.2	9.85e-04	20.9	20.9	7.7	7.7	50.2	-2.3	-16.7	82.8	0.5	-5.9
100	ok	0.07	0.2	1.11e-03	20.9	20.9	7.7	7.7	52.7	-3.4	-17.5	82.8	1.5	-4.8
101	ok	0.07	0.2	1.23e-03	20.9	20.9	7.7	7.7	54.8	-4.3	-18.2	82.8	2.9	-4.4
102	ok	0.07	0.2	7.82e-04	20.9	20.9	7.7	7.7	55.7	-0.7	-16.4	109.9	2.5	-7.3
103	ok	0.07	0.2	9.17e-04	20.9	20.9	7.7	7.7	59.1	-1.6	-17.9	109.9	4.0	-5.7
104	ok	0.07	0.2	9.96e-04	20.9	20.9	7.7	7.7	62.3	-2.3	-18.5	109.9	5.8	-4.6
105	ok	0.07	0.2	1.05e-03	20.9	20.9	7.7	7.7	65.1	-2.8	-19.0	110.0	7.7	-4.2
106	ok	0.07	0.3	7.47e-04	20.9	20.9	7.7	7.7	63.6	-0.4	-17.4	139.1	5.3	-6.8
107	ok	0.07	0.3	8.31e-04	20.9	20.9	7.7	7.7	68.3	-1.0	-18.6	139.0	7.9	-5.3
108	ok	0.07	0.3	8.49e-04	20.9	20.9	7.7	7.7	72.3	-1.2	-19.0	138.9	10.6	-4.3
109	ok	0.07	0.3	8.38e-04	20.9	20.9	7.7	7.7	75.6	-1.2	-19.2	139.1	13.2	-4.0
110	ok	0.07	0.3	6.96e-04	20.9	20.9	7.7	7.7	71.8	-0.2	-17.9	169.5	8.5	-5.9
111	ok	0.07	0.3	7.16e-04	20.9	20.9	7.7	7.7	77.7	-0.2	-18.8	169.3	12.3	-4.6
112	ok	0.07	0.3	6.61e-04	20.9	20.9	7.7	7.7	82.6	0.1	-18.8	169.3	15.9	-3.9
113	ok	0.07	0.3	5.76e-04	20.9	20.9	7.7	7.7	86.4	0.8	-18.7	169.6	19.1	-3.9
114	ok	0.07	0.4	6.16e-04	20.9	20.9	7.7	7.7	80.5	0.2	-18.0	200.1	12.2	-4.7
115	ok	0.07	0.4	5.50e-04	20.9	20.9	7.7	7.7	87.7	0.8	-18.4	200.0	17.2	-3.7
116	ok	0.07	0.4	4.09e-04	20.9	20.9	7.7	7.7	93.3	1.9	-17.9	200.2	21.7	-3.5
117	ok	0.07	0.4	2.46e-04	20.9	20.9	7.7	7.7	97.5	3.3	-17.5	200.8	25.6	-3.8
118	ok	0.07	0.4	4.77e-04	20.9	20.9	7.7	7.7	89.9	1.0	-17.3	230.2	16.4	-3.2
119	ok	0.07	0.4	2.99e-04	20.9	20.9	7.7	7.7	98.3	2.4	-16.9	230.3	22.7	-2.9
120	ok	0.07	0.4	6.64e-05	20.9	20.9	7.7	7.7	104.5	4.5	-16.0	230.9	28.2	-3.2
121	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	108.9	6.8	-15.3	232.0	32.6	-4.1
122	ok	0.07	0.5	2.18e-04	20.9	20.9	7.7	7.7	100.5	2.6	-6.3	258.8	21.4	1.8
123	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	109.6	5.4	-14.3	259.6	29.1	-2.3
124	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	115.9	8.6	-13.0	261.0	35.4	-3.5
125	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	120.2	11.8	-12.3	262.9	40.2	-4.9
126	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	112.4	6.3	-2.4	284.3	27.6	3.0
127	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	121.3	10.9	-10.1	286.5	36.5	-2.2
128	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	127.4	15.3	-8.9	290.1	43.3	-4.3
129	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	131.3	19.0	-8.6	292.9	48.0	-6.2
130	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	124.6	15.4	4.5	305.7	35.5	3.1
131	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	132.5	20.9	-5.4	309.8	44.8	-3.7
132	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	137.9	25.3	-5.2	314.1	51.1	-6.2
133	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	141.5	28.5	-5.7	317.9	55.4	-8.2
134	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	134.0	34.1	-3.9	319.1	45.3	-3.3
135	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	142.1	38.0	-5.6	327.1	53.0	-7.0
136	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	147.5	40.0	-7.0	333.2	58.2	-9.6
137	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	151.1	41.3	-7.8	337.8	61.7	-11.4
138	ok	0.07	0.6	5.52e-03	20.9	20.9	7.7	7.7	130.7	63.5	-0.3	320.5	58.2	-2.6
139	ok	0.07	0.7	5.01e-03	20.9	20.9	7.7	7.7	140.3	59.3	-3.5	332.5	61.6	-6.8
140	ok	0.07	0.7	4.46e-03	20.9	20.9	7.7	7.7	146.7	55.8	-4.9	340.1	64.1	-9.4
141	ok	0.07	7.91e-02	5.15e-03	20.9	20.9	7.7	7.7	-45.2	28.4	-29.3	-27.9	-7.0	-13.0
142	ok	0.07	8.55e-02	4.78e-03	20.9	20.9	7.7	7.7	-45.4	25.8	-21.9	-30.3	-8.1	-13.8
143	ok	0.07	8.93e-02	4.32e-03	20.9	20.9	7.7	7.7	-42.7	23.5	-16.7	-31.4	-8.5	-14.4
144	ok	0.07	9.16e-02	3.88e-03	20.9	20.9	7.7	7.7	-39.3	21.9	-13.2	-32.0	-8.5	-15.0
145	ok	0.07	5.13e-02	3.47e-03	20.9	20.9	7.7	7.7	-28.4	25.6	-23.8	-14.4	-2.9	-10.9
146	ok	0.07	5.80e-02	3.24e-03	20.9	20.9	7.7	7.7	-29.9	28.3	-17.9	-15.9	-4.0	-11.9
147	ok	0.07	6.29e-02	2.92e-03	20.9	20.9	7.7	7.7	-28.9	29.5	-12.8	-16.8	-4.6	-12.7
148	ok	0.07	6.65e-02	2.65e-03	20.9	20.9	7.7	7.7	-27.2	30.0	-9.5	-17.3	-5.0	-13.4
149	ok	0.07	3.11e-02	1.97e-03	20.9	20.9	7.7	7.7	-15.1	24.0	-16.8	-6.3	-0.3	-8.5
150	ok	0.07	3.67e-02	1.80e-03	20.9	20.9	7.7	7.7	-15.8	31.2	-13.5	-6.8	-1.3	-9.5
151	ok	0.07	4.11e-02	1.62e-03	20.9	20.9	7.7	7.7	-15.7	35.9	-10.0	-7.1	-2.0	-10.2
152	ok	0.07	4.47e-02	1.50e-03	20.9	20.9	7.7	7.7	-15.2	38.6	-7.8	-7.3	-2.5	-10.8
153	ok	0.07	1.01e-02	4.97e-04	20.9	20.9	7.7	7.7	-4.4	25.8	-5.4	-1.9	0.1	-2.8
154	ok	0.07	1.21e-02	4.60e-04	20.9	20.9	7.7	7.7	-4.4	37.4	-5.2	-1.9	-0.9	-2.8
155	ok	0.07	1.37e-02	4.53e-04	20.9	20.9	7.7	7.7	-4.4	45.2	-5.0	-1.8	-1.4	-2.9
156	ok	0.07	5.43e-02	1.68e-03	20.9	20.9	7.7	7.7	5.1	-15.3	-5.4	1.9	-11.3	-2.6
157	ok	0.07	5.19e-02	1.88e-03	20.9	20.9	7.7	7.7	15.2	-13.2	-9.5	8.7	-10.0	-4.0
158	ok	0.07	5.11e-02	2.11e-03	20.9	20.9	7.7	7.7	5.1	-19.7	-5.4	2.0	-10.6	-2.6
159	ok	0.07	4.85e-02	2.18e-03	20.9	20.9	7.7	7.7	15.4	-16.6	-9.4	8.7	-9.3	-4.0
160	ok	0.07	4.66e-02	2.53e-03	20.9	20.9	7.7	7.7	5.1	-23.9	-5.4	2.0	-9.6	-2.6
161	ok	0.07	4.40e-02	2.46e-03	20.9	20.9	7.7	7.7	15.5	-19.8	-9.2	8.7	-8.2	-4.2
162	ok	0.07	4.19e-02	2.91e-03	20.9	20.9	7.7	7.7	5.1	-27.7	-5.4	2.0	-8.4	-2.6

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
163	ok	0.07	4.02e-02	2.72e-03	20.9	20.9	7.7	7.7	15.6	-22.7	-8.9	8.7	-7.1	-4.4
164	ok	0.07	3.70e-02	3.24e-03	20.9	20.9	7.7	7.7	5.1	-31.1	-5.4	2.0	-7.2	-2.7
165	ok	0.07	3.64e-02	2.96e-03	20.9	20.9	7.7	7.7	15.6	-25.4	-8.5	8.7	-5.8	-4.6
166	ok	0.07	3.19e-02	3.54e-03	20.9	20.9	7.7	7.7	5.1	-34.0	-5.4	2.0	-5.9	-2.7
167	ok	0.07	3.21e-02	3.17e-03	20.9	20.9	7.7	7.7	15.7	-27.7	-8.1	8.8	-4.6	-4.8
168	ok	0.07	2.70e-02	3.79e-03	20.9	20.9	7.7	7.7	5.1	-36.5	-5.4	2.0	-4.7	-2.7
169	ok	0.07	2.78e-02	3.35e-03	20.9	20.9	7.7	7.7	15.7	-29.7	-7.7	8.8	-3.4	-5.0
170	ok	0.07	2.24e-02	3.99e-03	20.9	20.9	7.7	7.7	5.2	-38.5	-5.4	2.0	-3.6	-2.8
171	ok	0.07	2.41e-02	3.51e-03	20.9	20.9	7.7	7.7	15.7	-31.3	-7.3	8.8	-2.2	-5.3
172	ok	0.07	1.87e-02	4.15e-03	20.9	20.9	7.7	7.7	5.2	-40.1	-5.4	2.0	-2.6	-2.8
173	ok	0.07	2.42e-02	3.63e-03	20.9	20.9	7.7	7.7	15.8	-32.7	-7.0	8.9	-1.2	-5.4
174	ok	0.07	1.55e-02	4.27e-03	20.9	20.9	7.7	7.7	5.2	-41.3	-5.4	2.0	-1.7	-2.8
175	ok	0.07	2.60e-02	3.72e-03	20.9	20.9	7.7	7.7	15.8	-33.7	-6.6	8.9	-0.3	-5.6
176	ok	0.07	1.28e-02	4.36e-03	20.9	20.9	7.7	7.7	5.2	-42.1	-5.4	2.0	-0.9	-2.8
177	ok	0.07	2.75e-02	3.78e-03	20.9	20.9	7.7	7.7	15.9	-34.4	-6.3	9.0	0.5	-5.8
178	ok	0.07	1.14e-02	4.41e-03	20.9	20.9	7.7	7.7	5.2	-42.6	-5.5	2.0	-0.3	-2.8
179	ok	0.07	2.87e-02	3.81e-03	20.9	20.9	7.7	7.7	15.9	-34.8	-6.0	9.0	1.1	-5.9
180	ok	0.07	1.26e-02	4.42e-03	20.9	20.9	7.7	7.7	5.2	-42.8	-5.5	2.0	0.2	-2.9
181	ok	0.07	2.99e-02	3.83e-03	20.9	20.9	7.7	7.7	16.0	-34.9	-5.7	9.1	1.6	-6.0
182	ok	0.07	1.34e-02	4.40e-03	20.9	20.9	7.7	7.7	5.3	-42.6	-5.5	2.0	0.5	-2.9
183	ok	0.07	3.10e-02	3.83e-03	20.9	20.9	7.7	7.7	16.0	-34.7	-5.4	9.1	1.9	-6.1
184	ok	0.07	1.38e-02	4.35e-03	20.9	20.9	7.7	7.7	5.3	-42.1	-5.5	2.0	0.6	-2.9
185	ok	0.07	3.16e-02	3.79e-03	20.9	20.9	7.7	7.7	16.1	-34.3	-5.1	9.2	2.1	-6.2
186	ok	0.07	1.38e-02	4.27e-03	20.9	20.9	7.7	7.7	5.3	-41.2	-5.5	2.0	0.6	-2.9
187	ok	0.07	3.18e-02	3.73e-03	20.9	20.9	7.7	7.7	16.1	-33.6	-4.8	9.2	2.1	-6.2
188	ok	0.07	1.33e-02	4.15e-03	20.9	20.9	7.7	7.7	5.3	-40.0	-5.5	2.0	0.4	-2.9
189	ok	0.07	3.14e-02	3.64e-03	20.9	20.9	7.7	7.7	16.2	-32.6	-4.5	9.2	1.9	-6.3
190	ok	0.07	1.24e-02	3.99e-03	20.9	20.9	7.7	7.7	5.3	-38.4	-5.5	2.0	6.06e-02	-2.9
191	ok	0.07	3.06e-02	3.52e-03	20.9	20.9	7.7	7.7	16.2	-31.2	-4.2	9.3	1.5	-6.3
192	ok	0.07	1.11e-02	3.79e-03	20.9	20.9	7.7	7.7	5.3	-36.4	-5.5	2.0	-0.5	-2.9
193	ok	0.07	2.98e-02	3.37e-03	20.9	20.9	7.7	7.7	16.3	-29.6	-3.8	9.3	1.0	-6.3
194	ok	0.07	1.36e-02	3.55e-03	20.9	20.9	7.7	7.7	5.3	-34.0	-5.5	2.0	-1.2	-2.9
195	ok	0.07	2.89e-02	3.19e-03	20.9	20.9	7.7	7.7	16.3	-27.6	-3.4	9.4	0.3	-6.2
196	ok	0.07	1.66e-02	3.26e-03	20.9	20.9	7.7	7.7	5.4	-31.1	-5.5	2.0	-2.0	-2.9
197	ok	0.07	2.76e-02	2.98e-03	20.9	20.9	7.7	7.7	16.4	-25.3	-3.0	9.4	-0.5	-6.2
198	ok	0.07	2.00e-02	2.93e-03	20.9	20.9	7.7	7.7	5.4	-27.8	-5.5	2.0	-3.0	-2.9
199	ok	0.07	2.61e-02	2.75e-03	20.9	20.9	7.7	7.7	16.4	-22.7	-2.7	9.5	-1.5	-6.0
200	ok	0.07	2.40e-02	2.56e-03	20.9	20.9	7.7	7.7	5.4	-24.0	-5.5	2.0	-4.0	-2.9
201	ok	0.07	2.53e-02	2.49e-03	20.9	20.9	7.7	7.7	16.4	-19.8	-2.3	9.5	-2.5	-5.8
202	ok	0.07	2.77e-02	2.15e-03	20.9	20.9	7.7	7.7	5.4	-19.8	-5.5	2.0	-5.0	-2.8
203	ok	0.07	2.82e-02	2.22e-03	20.9	20.9	7.7	7.7	16.4	-16.6	-2.1	9.6	-3.5	-5.5
204	ok	0.07	3.03e-02	1.72e-03	20.9	20.9	7.7	7.7	5.5	-15.4	-5.6	2.0	-5.9	-2.8
205	ok	0.07	3.04e-02	1.93e-03	20.9	20.9	7.7	7.7	16.4	-13.3	-2.0	9.7	-4.3	-5.1
206	ok	0.07	3.20e-02	1.30e-03	20.9	20.9	7.7	7.7	5.5	-11.0	-5.6	2.0	-6.5	-2.7
207	ok	0.07	3.12e-02	1.63e-03	20.9	20.9	7.7	7.7	16.3	-10.0	-2.1	9.8	-4.9	-4.5
208	ok	0.07	3.21e-02	9.19e-04	20.9	20.9	7.7	7.7	5.5	-6.8	-5.6	2.0	-6.6	-2.7
209	ok	0.07	3.10e-02	1.34e-03	20.9	20.9	7.7	7.7	16.2	-6.8	-2.5	9.9	-5.1	-3.8
210	ok	0.07	2.87e-02	6.12e-04	20.9	20.9	7.7	7.7	5.6	-3.2	-5.6	2.0	-5.9	-2.6
211	ok	0.07	2.64e-02	1.07e-03	20.9	20.9	7.7	7.7	16.1	-4.0	-3.2	9.9	-4.5	-2.9
212	ok	0.07	2.18e-02	4.27e-04	20.9	20.9	7.7	7.7	5.6	-1.3	5.4	2.0	-4.3	2.3
213	ok	0.07	2.03e-02	8.05e-04	20.9	20.9	7.7	7.7	15.9	-2.0	6.9	9.8	-3.2	2.1
214	ok	0.07	1.16e-02	4.94e-04	20.9	20.9	7.7	7.7	5.8	-1.2	5.1	2.0	-1.8	2.3
215	ok	0.07	2.01e-02	5.56e-04	20.9	20.9	7.7	7.7	15.7	-4.14e-02	5.8	9.6	-1.0	2.8
216	ok	0.07	2.26e-02	2.52e-04	20.9	20.9	7.7	7.7	18.3	0.5	5.4	10.6	0.9	2.6
217	ok	0.07	4.19e-02	1.80e-03	20.9	20.9	7.7	7.7	25.5	-11.2	-12.7	20.8	-7.6	-4.4
218	ok	0.07	4.05e-02	2.01e-03	20.9	20.9	7.7	7.7	25.8	-13.7	-12.5	20.8	-6.8	-4.4
219	ok	0.07	4.09e-02	2.20e-03	20.9	20.9	7.7	7.7	26.1	-16.1	-12.1	20.8	-5.6	-4.6
220	ok	0.07	4.13e-02	2.38e-03	20.9	20.9	7.7	7.7	26.3	-18.3	-11.5	20.9	-4.4	-4.8
221	ok	0.07	4.19e-02	2.53e-03	20.9	20.9	7.7	7.7	26.5	-20.3	-10.9	20.9	-3.1	-5.1
222	ok	0.07	4.33e-02	2.67e-03	20.9	20.9	7.7	7.7	26.5	-22.1	-10.2	21.0	-1.9	-5.4
223	ok	0.07	4.46e-02	2.79e-03	20.9	20.9	7.7	7.7	26.6	-23.6	-9.5	21.2	-0.6	-5.7
224	ok	0.07	4.59e-02	2.89e-03	20.9	20.9	7.7	7.7	26.7	-24.8	-8.8	21.3	0.5	-6.0
225	ok	0.07	4.72e-02	2.97e-03	20.9	20.9	7.7	7.7	26.7	-25.9	-8.2	21.4	1.5	-6.2
226	ok	0.07	4.83e-02	3.03e-03	20.9	20.9	7.7	7.7	26.8	-26.6	-7.6	21.5	2.4	-6.5
227	ok	0.07	5.00e-02	3.07e-03	20.9	20.9	7.7	7.7	26.8	-27.2	-7.0	21.7	3.2	-6.7
228	ok	0.07	5.14e-02	3.08e-03	20.9	20.9	7.7	7.7	26.9	-27.5	-6.5	21.8	3.8	-6.9
229	ok	0.07	5.25e-02	3.08e-03	20.9	20.9	7.7	7.7	26.9	-27.6	-5.9	21.9	4.3	-7.0
230	ok	0.07	5.33e-02	3.08e-03	20.9	20.9	7.7	7.7	27.0	-27.4	-5.4	22.0	4.6	-7.1
231	ok	0.07	5.39e-02	3.06e-03	20.9	20.9	7.7	7.7	27.1	-27.1	-4.8	22.1	4.7	-7.2
232	ok	0.07	5.42e-02	3.02e-03	20.9	20.9	7.7	7.7	27.2	-26.5	-4.3	22.2	4.7	-7.3
233	ok	0.07	5.42e-02	2.96e-03	20.9	20.9	7.7	7.7	27.3	-25.7	-3.7	22.2	4.5	-7.4
234	ok	0.07	5.39e-02	2.87e-03	20.9	20.9	7.7	7.7	27.4	-24.7	-3.1	22.3	4.2	-7.4
235	ok	0.07	5.34e-02	2.77e-03	20.9	20.9	7.7	7.7	27.6	-23.4	-2.4	22.4	3.6	-7.4
236	ok	0.07	5.25e-02	2.65e-03	20.9	20.9	7.7	7.7	27.7	-21.9	-1.8	22.5	2.9	-7.4
237	ok	0.07	5.14e-02	2.52e-03	20.9	20.9	7.7	7.7	27.7	-20.2	-1.1	22.6	2.0	-7.4

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
238	ok	0.07	5.08e-02	2.36e-03	20.9	20.9	7.7	7.7	27.8	-18.2	-0.5	22.7	1.0	-7.2
239	ok	0.07	5.00e-02	2.18e-03	20.9	20.9	7.7	7.7	27.7	-16.0	0.1	22.9	-9.10e-02	-7.0
240	ok	0.07	4.91e-02	1.99e-03	20.9	20.9	7.7	7.7	27.6	-13.7	0.5	23.1	-1.2	-6.6
241	ok	0.07	4.79e-02	1.78e-03	20.9	20.9	7.7	7.7	27.4	-11.2	0.7	23.3	-2.2	-6.1
242	ok	0.07	4.67e-02	1.55e-03	20.9	20.9	7.7	7.7	27.0	-8.6	0.6	23.6	-3.0	-5.3
243	ok	0.07	4.60e-02	1.30e-03	20.9	20.9	7.7	7.7	26.5	-6.1	5.13e-02	23.8	-3.4	-4.3
244	ok	0.07	4.49e-02	1.03e-03	20.9	20.9	7.7	7.7	26.0	-3.6	-1.0	23.8	-3.2	-3.0
245	ok	0.07	4.45e-02	7.49e-04	20.9	20.9	7.7	7.7	25.6	-1.7	8.8	23.7	-2.3	2.6
246	ok	0.07	4.56e-02	4.78e-04	20.9	20.9	7.7	7.7	25.9	0.1	7.3	23.6	-0.6	3.8
247	ok	0.07	4.65e-02	2.50e-04	20.9	20.9	7.7	7.7	28.1	1.0	5.5	24.5	0.9	2.8
248	ok	0.07	7.14e-02	1.66e-03	20.9	20.9	7.7	7.7	35.7	-9.2	-15.1	37.7	-4.4	-4.4
249	ok	0.07	7.17e-02	1.80e-03	20.9	20.9	7.7	7.7	36.4	-11.1	-14.8	37.7	-3.3	-4.4
250	ok	0.07	7.22e-02	1.92e-03	20.9	20.9	7.7	7.7	36.9	-12.8	-14.2	37.8	-2.0	-4.6
251	ok	0.07	7.28e-02	2.03e-03	20.9	20.9	7.7	7.7	37.3	-14.3	-13.5	37.9	-0.7	-4.8
252	ok	0.07	7.35e-02	2.12e-03	20.9	20.9	7.7	7.7	37.5	-15.7	-12.6	38.1	0.7	-5.2
253	ok	0.07	7.43e-02	2.19e-03	20.9	20.9	7.7	7.7	37.7	-16.9	-11.8	38.3	2.0	-5.5
254	ok	0.07	7.57e-02	2.26e-03	20.9	20.9	7.7	7.7	37.8	-18.0	-10.9	38.5	3.2	-5.9
255	ok	0.07	7.72e-02	2.31e-03	20.9	20.9	7.7	7.7	37.8	-18.8	-10.0	38.7	4.3	-6.2
256	ok	0.07	7.86e-02	2.35e-03	20.9	20.9	7.7	7.7	37.9	-19.5	-9.2	38.9	5.3	-6.5
257	ok	0.07	7.99e-02	2.38e-03	20.9	20.9	7.7	7.7	37.9	-20.1	-8.3	39.1	6.2	-6.7
258	ok	0.07	8.11e-02	2.39e-03	20.9	20.9	7.7	7.7	38.0	-20.4	-7.6	39.4	6.9	-7.0
259	ok	0.07	8.21e-02	2.39e-03	20.9	20.9	7.7	7.7	38.0	-20.6	-6.8	39.6	7.5	-7.2
260	ok	0.07	8.29e-02	2.38e-03	20.9	20.9	7.7	7.7	38.1	-20.7	-6.1	39.7	8.0	-7.3
261	ok	0.07	8.35e-02	2.38e-03	20.9	20.9	7.7	7.7	38.2	-20.6	-5.4	39.9	8.3	-7.5
262	ok	0.07	8.41e-02	2.37e-03	20.9	20.9	7.7	7.7	38.4	-20.3	-4.6	40.1	8.4	-7.6
263	ok	0.07	8.44e-02	2.35e-03	20.9	20.9	7.7	7.7	38.5	-19.9	-3.9	40.2	8.4	-7.7
264	ok	0.07	8.47e-02	2.31e-03	20.9	20.9	7.7	7.7	38.7	-19.3	-3.1	40.3	8.2	-7.8
265	ok	0.07	8.48e-02	2.27e-03	20.9	20.9	7.7	7.7	38.9	-18.6	-2.3	40.4	7.8	-7.9
266	ok	0.07	8.47e-02	2.21e-03	20.9	20.9	7.7	7.7	39.1	-17.7	-1.5	40.5	7.3	-7.9
267	ok	0.07	8.45e-02	2.14e-03	20.9	20.9	7.7	7.7	39.2	-16.7	-0.6	40.7	6.5	-7.9
268	ok	0.07	8.42e-02	2.06e-03	20.9	20.9	7.7	7.7	39.3	-15.5	0.3	40.8	5.6	-7.9
269	ok	0.07	8.38e-02	1.97e-03	20.9	20.9	7.7	7.7	39.3	-14.1	1.1	41.0	4.5	-7.8
270	ok	0.07	8.31e-02	1.86e-03	20.9	20.9	7.7	7.7	39.2	-12.6	1.8	41.3	3.2	-7.6
271	ok	0.07	8.21e-02	1.74e-03	20.9	20.9	7.7	7.7	38.9	-10.9	2.4	41.5	2.0	-7.3
272	ok	0.07	8.15e-02	1.60e-03	20.9	20.9	7.7	7.7	38.4	-9.0	2.7	41.9	0.7	-6.7
273	ok	0.07	8.11e-02	1.42e-03	20.9	20.9	7.7	7.7	37.7	-7.1	2.7	42.2	-0.4	-5.8
274	ok	0.07	8.03e-02	1.22e-03	20.9	20.9	7.7	7.7	36.8	-5.0	2.1	42.5	-1.2	-4.6
275	ok	0.07	7.92e-02	9.81e-04	20.9	20.9	7.7	7.7	35.7	-3.0	1.1	42.7	-1.5	-3.0
276	ok	0.07	7.93e-02	7.15e-04	20.9	20.9	7.7	7.7	35.0	-1.3	10.5	42.7	-1.2	2.9
277	ok	0.07	8.08e-02	4.47e-04	20.9	20.9	7.7	7.7	35.0	0.3	8.4	42.7	-0.2	4.5
278	ok	0.07	8.09e-02	2.28e-04	20.9	20.9	7.7	7.7	36.6	1.1	5.6	43.4	0.8	3.0
279	ok	0.07	0.1	1.49e-03	20.9	20.9	7.7	7.7	46.1	-7.2	-16.8	58.7	-0.3	-4.3
280	ok	0.07	0.1	1.57e-03	20.9	20.9	7.7	7.7	47.2	-8.5	-16.4	58.8	1.1	-4.3
281	ok	0.07	0.1	1.62e-03	20.9	20.9	7.7	7.7	47.9	-9.6	-15.7	59.0	2.5	-4.5
282	ok	0.07	0.1	1.67e-03	20.9	20.9	7.7	7.7	48.4	-10.5	-14.8	59.2	3.9	-4.8
283	ok	0.07	0.1	1.70e-03	20.9	20.9	7.7	7.7	48.8	-11.3	-13.8	59.5	5.4	-5.2
284	ok	0.07	0.1	1.72e-03	20.9	20.9	7.7	7.7	49.0	-12.1	-12.8	59.8	6.7	-5.6
285	ok	0.07	0.1	1.74e-03	20.9	20.9	7.7	7.7	49.1	-12.7	-11.8	60.1	7.9	-5.9
286	ok	0.07	0.1	1.75e-03	20.9	20.9	7.7	7.7	49.2	-13.1	-10.8	60.5	9.0	-6.3
287	ok	0.07	0.1	1.75e-03	20.9	20.9	7.7	7.7	49.2	-13.5	-9.8	60.8	10.0	-6.6
288	ok	0.07	0.1	1.75e-03	20.9	20.9	7.7	7.7	49.3	-13.8	-8.9	61.1	10.9	-6.9
289	ok	0.07	0.1	1.75e-03	20.9	20.9	7.7	7.7	49.3	-14.0	-8.0	61.5	11.6	-7.1
290	ok	0.07	0.1	1.74e-03	20.9	20.9	7.7	7.7	49.4	-14.1	-7.1	61.7	12.2	-7.3
291	ok	0.07	0.1	1.72e-03	20.9	20.9	7.7	7.7	49.5	-14.1	-6.2	62.0	12.6	-7.5
292	ok	0.07	0.1	1.71e-03	20.9	20.9	7.7	7.7	49.6	-14.0	-5.4	62.2	12.9	-7.7
293	ok	0.07	0.1	1.71e-03	20.9	20.9	7.7	7.7	49.8	-13.9	-4.5	62.4	13.0	-7.8
294	ok	0.07	0.1	1.70e-03	20.9	20.9	7.7	7.7	50.0	-13.6	-3.7	62.6	13.0	-7.9
295	ok	0.07	0.1	1.69e-03	20.9	20.9	7.7	7.7	50.3	-13.3	-2.8	62.8	12.8	-8.0
296	ok	0.07	0.1	1.68e-03	20.9	20.9	7.7	7.7	50.5	-12.8	-1.8	62.9	12.4	-8.1
297	ok	0.07	0.1	1.66e-03	20.9	20.9	7.7	7.7	50.7	-12.3	-0.9	63.0	11.8	-8.2
298	ok	0.07	0.1	1.64e-03	20.9	20.9	7.7	7.7	50.9	-11.7	0.1	63.2	11.0	-8.3
299	ok	0.07	0.1	1.61e-03	20.9	20.9	7.7	7.7	51.1	-11.0	1.1	63.3	10.0	-8.3
300	ok	0.07	0.1	1.57e-03	20.9	20.9	7.7	7.7	51.0	-10.2	2.1	63.5	8.8	-8.3
301	ok	0.07	0.1	1.53e-03	20.9	20.9	7.7	7.7	50.8	-9.2	3.0	63.8	7.5	-8.1
302	ok	0.07	0.1	1.47e-03	20.9	20.9	7.7	7.7	50.4	-8.2	3.7	64.1	5.9	-7.8
303	ok	0.07	0.1	1.38e-03	20.9	20.9	7.7	7.7	49.6	-6.9	4.2	64.5	4.4	-7.3
304	ok	0.07	0.1	1.27e-03	20.9	20.9	7.7	7.7	48.4	-5.5	4.3	64.9	2.8	-6.4
305	ok	0.07	0.1	1.11e-03	20.9	20.9	7.7	7.7	47.0	-3.9	3.8	65.4	1.5	-5.1
306	ok	0.07	0.1	9.17e-04	20.9	20.9	7.7	7.7	45.4	-2.3	2.8	65.7	0.5	-3.2
307	ok	0.07	0.1	6.81e-04	20.9	20.9	7.7	7.7	44.0	-0.9	12.0	65.9	2.96e-02	3.0
308	ok	0.07	0.1	4.25e-04	20.9	20.9	7.7	7.7	43.3	0.4	9.4	66.1	0.2	4.8
309	ok	0.07	0.1	2.08e-04	20.9	20.9	7.7	7.7	43.8	1.1	5.6	66.5	0.7	3.0
310	ok	0.07	0.2	1.28e-03	20.9	20.9	7.7	7.7	56.6	-5.2	-18.0	83.1	4.5	-4.2
311	ok	0.07	0.2	1.30e-03	20.9	20.9	7.7	7.7	58.0	-5.9	-17.4	83.3	6.1	-4.2
312	ok	0.07	0.2	1.30e-03	20.9	20.9	7.7	7.7	59.0	-6.4	-16.6	83.7	7.8	-4.5

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
313	ok	0.07	0.2	1.29e-03	20.9	20.9	7.7	7.7	59.7	-6.8	-15.6	84.0	9.4	-4.8
314	ok	0.07	0.2	1.27e-03	20.9	20.9	7.7	7.7	60.1	-7.1	-14.5	84.5	10.8	-5.3
315	ok	0.07	0.2	1.24e-03	20.9	20.9	7.7	7.7	60.4	-7.3	-13.4	84.9	12.2	-5.7
316	ok	0.07	0.2	1.22e-03	20.9	20.9	7.7	7.7	60.5	-7.5	-12.3	85.4	13.4	-6.1
317	ok	0.07	0.2	1.19e-03	20.9	20.9	7.7	7.7	60.6	-7.6	-11.2	85.9	14.5	-6.5
318	ok	0.07	0.2	1.17e-03	20.9	20.9	7.7	7.7	60.6	-7.8	-10.1	86.4	15.5	-6.8
319	ok	0.07	0.2	1.15e-03	20.9	20.9	7.7	7.7	60.7	-7.8	-9.1	86.9	16.3	-7.1
320	ok	0.07	0.2	1.13e-03	20.9	20.9	7.7	7.7	60.7	-7.8	-8.2	87.3	17.0	-7.3
321	ok	0.07	0.2	1.10e-03	20.9	20.9	7.7	7.7	60.8	-7.8	-7.2	87.7	17.6	-7.5
322	ok	0.07	0.2	1.08e-03	20.9	20.9	7.7	7.7	60.9	-7.8	-6.3	88.0	18.0	-7.7
323	ok	0.07	0.2	1.07e-03	20.9	20.9	7.7	7.7	61.1	-7.7	-5.4	88.3	18.3	-7.8
324	ok	0.07	0.2	1.07e-03	20.9	20.9	7.7	7.7	61.3	-7.6	-4.5	88.5	18.4	-8.0
325	ok	0.07	0.2	1.08e-03	20.9	20.9	7.7	7.7	61.6	-7.5	-3.6	88.8	18.4	-8.1
326	ok	0.07	0.2	1.09e-03	20.9	20.9	7.7	7.7	61.9	-7.4	-2.6	88.9	18.2	-8.2
327	ok	0.07	0.2	1.10e-03	20.9	20.9	7.7	7.7	62.2	-7.2	-1.7	89.1	17.8	-8.3
328	ok	0.07	0.2	1.12e-03	20.9	20.9	7.7	7.7	62.5	-7.0	-0.6	89.2	17.2	-8.4
329	ok	0.07	0.2	1.13e-03	20.9	20.9	7.7	7.7	62.8	-6.8	0.4	89.3	16.3	-8.6
330	ok	0.07	0.2	1.15e-03	20.9	20.9	7.7	7.7	62.9	-6.6	1.5	89.5	15.3	-8.7
331	ok	0.07	0.2	1.17e-03	20.9	20.9	7.7	7.7	62.9	-6.3	2.5	89.6	14.0	-8.7
332	ok	0.07	0.2	1.17e-03	20.9	20.9	7.7	7.7	62.6	-6.0	3.5	89.9	12.5	-8.6
333	ok	0.07	0.2	1.17e-03	20.9	20.9	7.7	7.7	62.0	-5.5	4.4	90.2	10.7	-8.4
334	ok	0.07	0.2	1.15e-03	20.9	20.9	7.7	7.7	60.9	-4.8	5.1	90.6	8.8	-7.9
335	ok	0.07	0.2	1.09e-03	20.9	20.9	7.7	7.7	59.4	-3.9	5.4	91.1	6.7	-7.1
336	ok	0.07	0.2	9.96e-04	20.9	20.9	7.7	7.7	57.3	-2.9	5.1	91.6	4.7	-5.7
337	ok	0.07	0.2	8.47e-04	20.9	20.9	7.7	7.7	55.0	-1.6	4.1	92.2	2.9	-3.7
338	ok	0.07	0.2	6.46e-04	20.9	20.9	7.7	7.7	52.7	-0.5	13.3	92.6	1.5	2.8
339	ok	0.07	0.2	4.07e-04	20.9	20.9	7.7	7.7	50.9	0.5	10.2	93.0	0.7	4.8
340	ok	0.07	0.2	1.94e-04	20.9	20.9	7.7	7.7	50.1	1.1	5.7	93.2	0.6	3.1
341	ok	0.07	0.2	1.04e-03	20.9	20.9	7.7	7.7	67.3	-3.1	-18.6	110.3	9.8	-4.1
342	ok	0.07	0.2	1.00e-03	20.9	20.9	7.7	7.7	69.1	-3.2	-17.8	110.7	11.8	-4.2
343	ok	0.07	0.2	9.44e-04	20.9	20.9	7.7	7.7	70.3	-3.1	-16.8	111.2	13.7	-4.6
344	ok	0.07	0.2	8.79e-04	20.9	20.9	7.7	7.7	71.1	-3.0	-15.8	111.8	15.4	-5.0
345	ok	0.07	0.2	8.15e-04	20.9	20.9	7.7	7.7	71.6	-2.8	-14.6	112.4	17.0	-5.5
346	ok	0.07	0.2	7.53e-04	20.9	20.9	7.7	7.7	71.9	-2.6	-13.5	113.1	18.3	-6.0
347	ok	0.07	0.2	6.96e-04	20.9	20.9	7.7	7.7	72.0	-2.4	-12.4	113.8	19.6	-6.4
348	ok	0.07	0.2	6.44e-04	20.9	20.9	7.7	7.7	72.1	-2.2	-11.3	114.4	20.6	-6.8
349	ok	0.07	0.2	5.97e-04	20.9	20.9	7.7	7.7	72.1	-2.0	-10.2	115.0	21.6	-7.1
350	ok	0.07	0.2	5.57e-04	20.9	20.9	7.7	7.7	72.2	-1.9	-9.2	115.6	22.4	-7.4
351	ok	0.07	0.2	5.21e-04	20.9	20.9	7.7	7.7	72.2	-1.8	-8.2	116.1	23.0	-7.6
352	ok	0.07	0.2	4.91e-04	20.9	20.9	7.7	7.7	72.3	-1.7	-7.3	116.6	23.6	-7.8
353	ok	0.07	0.2	4.65e-04	20.9	20.9	7.7	7.7	72.4	-1.6	-6.4	117.0	24.0	-7.9
354	ok	0.07	0.2	4.46e-04	20.9	20.9	7.7	7.7	72.6	-1.5	-5.4	117.4	24.2	-8.1
355	ok	0.07	0.2	4.60e-04	20.9	20.9	7.7	7.7	72.9	-1.5	-4.5	117.7	24.4	-8.2
356	ok	0.07	0.2	4.79e-04	20.9	20.9	7.7	7.7	73.2	-1.5	-3.6	117.9	24.3	-8.3
357	ok	0.07	0.2	5.04e-04	20.9	20.9	7.7	7.7	73.5	-1.5	-2.7	118.1	24.1	-8.4
358	ok	0.07	0.2	5.36e-04	20.9	20.9	7.7	7.7	73.9	-1.6	-1.7	118.3	23.7	-8.5
359	ok	0.07	0.2	5.76e-04	20.9	20.9	7.7	7.7	74.3	-1.8	-0.7	118.4	23.1	-8.6
360	ok	0.07	0.2	6.23e-04	20.9	20.9	7.7	7.7	74.6	-1.9	0.3	118.5	22.3	-8.8
361	ok	0.07	0.2	6.78e-04	20.9	20.9	7.7	7.7	74.8	-2.1	1.4	118.6	21.2	-9.0
362	ok	0.07	0.2	7.36e-04	20.9	20.9	7.7	7.7	74.8	-2.4	2.5	118.7	19.8	-9.1
363	ok	0.07	0.2	7.95e-04	20.9	20.9	7.7	7.7	74.5	-2.6	3.6	118.8	18.1	-9.1
364	ok	0.07	0.2	8.50e-04	20.9	20.9	7.7	7.7	73.8	-2.7	4.6	119.1	16.1	-9.0
365	ok	0.07	0.2	8.88e-04	20.9	20.9	7.7	7.7	72.5	-2.6	5.4	119.5	13.8	-8.7
366	ok	0.07	0.2	8.98e-04	20.9	20.9	7.7	7.7	70.5	-2.3	5.9	120.0	11.2	-7.9
367	ok	0.07	0.2	8.63e-04	20.9	20.9	7.7	7.7	67.9	-1.8	5.9	120.6	8.5	-6.6
368	ok	0.07	0.2	7.69e-04	20.9	20.9	7.7	7.7	64.7	-1.0	5.1	121.3	5.7	-4.6
369	ok	0.07	0.2	6.09e-04	20.9	20.9	7.7	7.7	61.3	-0.2	14.3	122.1	3.2	2.1
370	ok	0.07	0.2	3.93e-04	20.9	20.9	7.7	7.7	58.0	0.6	10.9	122.6	1.3	4.4
371	ok	0.07	0.2	1.84e-04	20.9	20.9	7.7	7.7	55.5	1.1	5.7	122.6	0.5	3.0
372	ok	0.07	0.3	7.60e-04	20.9	20.9	7.7	7.7	78.3	-0.8	-18.5	139.6	15.8	-4.0
373	ok	0.07	0.3	6.60e-04	20.9	20.9	7.7	7.7	80.3	-0.3	-17.6	140.2	18.1	-4.3
374	ok	0.07	0.3	5.52e-04	20.9	20.9	7.7	7.7	81.6	0.3	-16.5	141.0	20.2	-4.8
375	ok	0.07	0.3	4.44e-04	20.9	20.9	7.7	7.7	82.5	1.0	-15.4	141.8	22.0	-5.3
376	ok	0.07	0.3	3.39e-04	20.9	20.9	7.7	7.7	83.0	1.7	-14.3	142.7	23.6	-5.9
377	ok	0.07	0.3	2.43e-04	20.9	20.9	7.7	7.7	83.3	2.3	-13.2	143.6	25.0	-6.4
378	ok	0.07	0.3	1.57e-04	20.9	20.9	7.7	7.7	83.5	2.9	-12.1	144.4	26.2	-6.8
379	ok	0.07	0.3	8.12e-05	20.9	20.9	7.7	7.7	83.6	3.3	-11.0	145.2	27.2	-7.2
380	ok	0.07	0.3	1.79e-05	20.9	20.9	7.7	7.7	83.6	3.7	-10.0	146.0	28.1	-7.5
381	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	83.6	4.1	-9.1	146.7	28.9	-7.8
382	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	83.7	4.3	-8.1	147.4	29.5	-8.0
383	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	83.8	4.5	-7.2	148.0	30.0	-8.1
384	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	83.9	4.6	-6.4	148.5	30.4	-8.2
385	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	84.1	4.7	-5.5	148.9	30.6	-8.3
386	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	84.4	4.7	-4.6	149.3	30.8	-8.4
387	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	84.8	4.5	-3.8	149.5	30.7	-8.5

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
388	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	85.2	4.4	-2.9	149.7	30.6	-8.6
389	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	85.6	4.1	-2.0	149.9	30.2	-8.7
390	ok	0.07	0.3	1.80e-05	20.9	20.9	7.7	7.7	86.1	3.7	-1.1	149.9	29.6	-8.8
391	ok	0.07	0.3	9.26e-05	20.9	20.9	7.7	7.7	86.5	3.1	-0.1	149.9	28.8	-9.0
392	ok	0.07	0.3	1.80e-04	20.9	20.9	7.7	7.7	86.7	2.5	0.9	149.9	27.7	-9.2
393	ok	0.07	0.3	2.79e-04	20.9	20.9	7.7	7.7	86.8	1.8	1.9	149.9	26.3	-9.4
394	ok	0.07	0.3	3.85e-04	20.9	20.9	7.7	7.7	86.5	1.1	3.1	150.0	24.4	-9.6
395	ok	0.07	0.3	4.94e-04	20.9	20.9	7.7	7.7	85.7	0.4	4.2	150.1	22.2	-9.6
396	ok	0.07	0.3	5.93e-04	20.9	20.9	7.7	7.7	84.2	-0.2	5.2	150.4	19.5	-9.5
397	ok	0.07	0.3	6.71e-04	20.9	20.9	7.7	7.7	81.9	-0.6	5.9	150.9	16.3	-8.9
398	ok	0.07	0.3	7.08e-04	20.9	20.9	7.7	7.7	78.7	-0.7	6.2	151.6	12.7	-7.8
399	ok	0.07	0.3	6.81e-04	20.9	20.9	7.7	7.7	74.5	-0.4	5.7	152.4	8.9	-5.9
400	ok	0.07	0.3	5.71e-04	20.9	20.9	7.7	7.7	69.6	0.2	3.9	153.4	5.1	-3.1
401	ok	0.07	0.3	3.81e-04	20.9	20.9	7.7	7.7	64.7	0.7	11.5	154.2	1.9	3.5
402	ok	0.07	0.3	1.77e-04	20.9	20.9	7.7	7.7	60.2	1.1	5.8	153.9	0.3	2.9
403	ok	0.07	0.3	4.29e-04	20.9	20.9	7.7	7.7	89.4	1.8	-17.8	170.4	22.2	-4.1
404	ok	0.07	0.3	2.71e-04	20.9	20.9	7.7	7.7	91.6	3.0	-16.7	171.3	24.9	-4.6
405	ok	0.07	0.3	1.12e-04	20.9	20.9	7.7	7.7	93.0	4.2	-15.6	172.3	27.1	-5.2
406	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	93.9	5.4	-14.5	173.5	29.0	-5.9
407	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	94.5	6.5	-13.5	174.6	30.6	-6.4
408	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	94.8	7.5	-12.5	175.7	32.0	-7.0
409	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	94.9	8.3	-11.5	176.8	33.1	-7.4
410	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	95.0	9.1	-10.5	177.8	34.1	-7.8
411	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	95.0	9.6	-9.6	178.7	34.9	-8.1
412	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	95.0	10.1	-8.8	179.6	35.7	-8.3
413	ok	0.07	0.3	0.0	20.9	20.9	7.7	7.7	95.1	10.5	-7.9	180.4	36.2	-8.4
414	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	95.2	10.8	-7.1	181.0	36.7	-8.5
415	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	95.3	10.9	-6.3	181.6	37.1	-8.6
416	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	95.5	11.0	-5.5	182.1	37.3	-8.6
417	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	95.9	10.9	-4.8	182.5	37.5	-8.6
418	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	96.2	10.7	-4.0	182.8	37.5	-8.7
419	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	96.7	10.4	-3.3	183.0	37.3	-8.7
420	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	97.2	9.9	-2.5	183.1	37.0	-8.8
421	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	97.7	9.3	-1.7	183.2	36.5	-8.9
422	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	98.2	8.5	-0.9	183.1	35.7	-9.1
423	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	98.6	7.6	-1.17e-02	183.0	34.6	-9.3
424	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	98.7	6.5	1.0	182.9	33.1	-9.6
425	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	98.5	5.2	2.0	182.7	31.2	-9.9
426	ok	0.07	0.4	8.49e-05	20.9	20.9	7.7	7.7	97.7	3.9	3.1	182.7	28.8	-10.1
427	ok	0.07	0.4	2.49e-04	20.9	20.9	7.7	7.7	96.2	2.6	4.2	182.8	25.7	-10.2
428	ok	0.07	0.4	4.00e-04	20.9	20.9	7.7	7.7	93.7	1.5	5.3	183.1	21.9	-10.0
429	ok	0.07	0.4	5.16e-04	20.9	20.9	7.7	7.7	89.9	0.6	5.9	183.7	17.4	-9.1
430	ok	0.07	0.4	5.69e-04	20.9	20.9	7.7	7.7	84.7	0.3	5.9	184.7	12.4	-7.5
431	ok	0.07	0.4	5.25e-04	20.9	20.9	7.7	7.7	78.2	0.4	4.4	185.9	7.2	-4.9
432	ok	0.07	0.4	3.71e-04	20.9	20.9	7.7	7.7	71.1	0.8	12.0	186.8	2.6	2.1
433	ok	0.07	0.3	1.72e-04	20.9	20.9	7.7	7.7	64.1	1.1	5.8	186.2	0.2	2.7
434	ok	0.07	0.4	3.59e-05	20.9	20.9	7.7	7.7	100.7	5.1	-16.3	201.9	29.2	-4.4
435	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	102.9	7.0	-15.2	203.2	32.1	-5.2
436	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	104.3	8.7	-14.2	204.7	34.4	-5.9
437	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	105.2	10.4	-13.2	206.1	36.3	-6.6
438	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	105.8	11.8	-12.3	207.5	37.9	-7.2
439	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	106.1	13.1	-11.4	208.9	39.2	-7.8
440	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	106.2	14.1	-10.6	210.2	40.3	-8.2
441	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	106.3	15.0	-9.8	211.4	41.2	-8.5
442	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	106.3	15.8	-9.0	212.5	41.9	-8.7
443	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	106.3	16.4	-8.3	213.5	42.6	-8.9
444	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	106.4	16.8	-7.6	214.3	43.1	-9.0
445	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	106.5	17.2	-6.9	215.1	43.6	-9.0
446	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	106.6	17.4	-6.2	215.8	43.9	-9.0
447	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	106.9	17.4	-5.6	216.4	44.2	-9.0
448	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	107.2	17.3	-5.0	216.8	44.3	-8.9
449	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	107.6	17.1	-4.3	217.1	44.3	-8.9
450	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	108.1	16.7	-3.8	217.4	44.2	-8.9
451	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	108.6	16.1	-3.2	217.5	43.9	-8.9
452	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	109.2	15.4	-2.5	217.5	43.5	-9.0
453	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	109.8	14.4	-1.9	217.4	42.8	-9.1
454	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	110.2	13.2	-1.2	217.1	41.7	-9.4
455	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	110.5	11.7	-0.4	216.8	40.3	-9.7
456	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	110.4	10.1	0.4	216.5	38.4	-10.1
457	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	109.8	8.2	1.5	216.2	35.8	-10.5
458	ok	0.07	0.4	0.0	20.9	20.9	7.7	7.7	108.4	6.2	2.6	216.0	32.4	-10.9
459	ok	0.07	0.4	5.53e-05	20.9	20.9	7.7	7.7	105.8	4.2	3.8	216.0	28.1	-11.0
460	ok	0.07	0.4	2.65e-04	20.9	20.9	7.7	7.7	101.6	2.4	4.9	216.4	22.8	-10.6
461	ok	0.07	0.4	4.16e-04	20.9	20.9	7.7	7.7	95.4	1.2	5.4	217.3	16.5	-9.5
462	ok	0.07	0.4	4.61e-04	20.9	20.9	7.7	7.7	87.2	0.7	4.5	218.7	9.7	-7.1

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
463	ok	0.07	0.4	3.62e-04	20.9	20.9	7.7	7.7	77.3	0.9	1.3	220.0	3.2	-3.7
464	ok	0.07	0.4	1.70e-04	20.9	20.9	7.7	7.7	67.4	1.1	5.9	218.7	1.01e-02	2.4
465	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	112.1	9.4	-14.2	233.7	36.5	-5.1
466	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	114.2	11.8	-13.2	235.5	39.5	-6.0
467	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	115.5	14.0	-12.3	237.4	41.9	-6.9
468	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	116.4	16.0	-11.5	239.2	43.7	-7.7
469	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	116.9	17.7	-10.8	240.9	45.2	-8.3
470	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	117.2	19.1	-10.2	242.5	46.4	-8.8
471	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	117.3	20.4	-9.5	244.0	47.4	-9.1
472	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	117.4	21.4	-8.9	245.4	48.2	-9.4
473	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	117.4	22.2	-8.3	246.6	48.9	-9.5
474	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	117.5	22.9	-7.7	247.7	49.5	-9.6
475	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	117.5	23.4	-7.2	248.7	50.0	-9.6
476	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	117.6	23.8	-6.6	249.5	50.4	-9.6
477	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	117.8	24.0	-6.1	250.3	50.7	-9.5
478	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	118.1	24.0	-5.6	250.9	51.0	-9.4
479	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	118.4	23.9	-5.1	251.4	51.1	-9.3
480	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	118.8	23.7	-4.7	251.8	51.2	-9.2
481	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	119.3	23.3	-4.2	252.1	51.1	-9.1
482	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	119.9	22.7	-3.8	252.2	50.9	-9.0
483	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	120.5	21.8	-3.4	252.2	50.5	-9.0
484	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	121.2	20.8	-3.0	252.0	49.9	-9.1
485	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	121.7	19.4	-2.6	251.7	49.0	-9.3
486	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	122.1	17.8	-2.1	251.3	47.6	-9.6
487	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	122.2	15.8	-1.5	250.7	45.8	-10.0
488	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	121.7	13.5	-0.8	250.0	43.2	-10.6
489	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	120.5	10.9	0.2	249.4	39.7	-11.3
490	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	118.0	8.1	1.4	249.0	35.0	-11.8
491	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	113.8	5.2	2.8	248.9	28.8	-12.1
492	ok	0.07	0.5	1.83e-04	20.9	20.9	7.7	7.7	106.9	2.8	4.0	249.5	21.3	-11.7
493	ok	0.07	0.5	3.55e-04	20.9	20.9	7.7	7.7	96.9	1.3	4.1	250.7	12.6	-9.9
494	ok	0.07	0.5	3.46e-04	20.9	20.9	7.7	7.7	83.8	1.0	1.6	252.0	4.0	-6.4
495	ok	0.07	0.5	1.70e-04	20.9	20.9	7.7	7.7	69.8	1.1	6.0	250.1	-0.2	2.0
496	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	123.2	15.0	-11.3	265.3	44.1	-6.2
497	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	125.2	17.9	-10.6	267.6	47.1	-7.4
498	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	126.5	20.4	-10.1	269.9	49.3	-8.3
499	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	127.3	22.5	-9.6	272.1	51.1	-9.0
500	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	127.8	24.3	-9.2	274.0	52.4	-9.6
501	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	128.1	25.8	-8.8	275.9	53.5	-10.0
502	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	128.3	27.1	-8.4	277.5	54.4	-10.3
503	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	128.4	28.1	-7.9	279.0	55.1	-10.4
504	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	128.4	29.0	-7.5	280.4	55.8	-10.5
505	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	128.5	29.7	-7.1	281.6	56.3	-10.5
506	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	128.6	30.2	-6.7	282.7	56.7	-10.4
507	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	128.7	30.6	-6.3	283.6	57.1	-10.2
508	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	128.9	30.8	-5.9	284.4	57.4	-10.1
509	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	129.1	30.9	-5.6	285.1	57.6	-9.9
510	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	129.5	30.8	-5.2	285.7	57.8	-9.7
511	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	129.9	30.6	-5.0	286.2	57.8	-9.5
512	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	130.4	30.2	-4.7	286.5	57.8	-9.3
513	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	131.0	29.6	-4.5	286.7	57.7	-9.1
514	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	131.6	28.8	-4.3	286.7	57.4	-9.0
515	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	132.3	27.7	-4.2	286.5	56.9	-9.0
516	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	132.9	26.4	-4.0	286.2	56.1	-9.1
517	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	133.4	24.8	-3.9	285.6	54.9	-9.4
518	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	133.6	22.8	-3.7	284.8	53.2	-9.8
519	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	133.4	20.3	-3.3	283.8	50.7	-10.4
520	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	132.4	17.3	-2.8	282.6	47.3	-11.3
521	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	130.3	13.8	-1.9	281.5	42.4	-12.3
522	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	126.3	9.8	-0.6	280.6	35.7	-13.3
523	ok	0.07	0.5	0.0	20.9	20.9	7.7	7.7	119.4	5.7	1.1	280.4	26.9	-13.8
524	ok	0.07	0.5	1.52e-04	20.9	20.9	7.7	7.7	107.9	2.5	2.6	280.9	16.2	-13.0
525	ok	0.07	0.5	3.06e-04	20.9	20.9	7.7	7.7	91.0	1.1	1.7	281.8	5.0	-9.5
526	ok	0.07	0.5	1.77e-04	20.9	20.9	7.7	7.7	71.4	1.1	6.2	279.0	-0.3	1.6
527	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	134.1	22.5	-8.1	296.1	51.9	-7.8
528	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	135.9	25.4	-7.9	299.0	54.6	-9.0
529	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	137.1	27.8	-7.8	301.7	56.7	-9.9
530	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	137.9	29.9	-7.6	304.2	58.2	-10.6
531	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	138.3	30.9	-7.7	305.4	59.2	-10.6
532	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	138.7	32.3	-7.5	307.4	60.2	-10.9
533	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	139.0	33.4	-7.3	309.2	61.0	-11.0
534	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	139.1	34.4	-7.1	310.9	61.6	-11.0
535	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	139.2	35.2	-6.8	312.3	62.2	-11.0
536	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	139.3	35.8	-6.5	313.6	62.6	-10.9
537	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	139.4	36.3	-6.3	314.8	63.0	-10.7

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
538	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	139.6	36.7	-6.0	315.8	63.3	-10.5
539	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	139.8	36.9	-5.7	316.7	63.6	-10.2
540	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	140.0	37.0	-5.5	317.5	63.8	-9.9
541	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	140.4	36.9	-5.3	318.1	64.0	-9.6
542	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	140.8	36.7	-5.2	318.7	64.0	-9.3
543	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	141.3	36.4	-5.1	319.1	64.1	-9.1
544	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	141.8	35.9	-5.0	319.4	64.0	-8.8
545	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	142.5	35.3	-5.0	319.5	63.8	-8.6
546	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	143.1	34.5	-5.1	319.5	63.4	-8.5
547	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	143.7	33.4	-5.2	319.2	62.8	-8.4
548	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	144.2	32.1	-5.4	318.6	61.8	-8.5
549	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	144.5	30.4	-5.6	317.7	60.3	-8.8
550	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	144.4	28.2	-5.8	316.4	58.2	-9.4
551	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	143.7	25.4	-5.9	314.8	55.0	-10.3
552	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	142.0	21.8	-5.7	312.9	50.3	-11.6
553	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	138.7	17.2	-5.1	310.8	43.5	-13.2
554	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	132.6	11.5	-3.7	309.1	33.9	-14.9
555	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	121.2	5.6	-1.3	308.1	21.0	-15.6
556	ok	0.07	0.6	1.78e-04	20.9	20.9	7.7	7.7	100.5	1.8	0.8	307.5	6.5	-12.6
557	ok	0.07	0.6	1.97e-04	20.9	20.9	7.7	7.7	72.8	0.7	6.7	302.2	-1.0	0.8
558	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	144.2	31.3	-5.9	321.8	58.8	-9.7
559	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	146.0	33.6	-6.1	325.1	61.2	-10.8
560	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	147.3	35.5	-6.4	328.1	62.9	-11.5
561	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	148.1	37.1	-6.5	330.7	64.1	-11.9
562	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	148.8	38.5	-6.6	333.0	65.1	-12.2
563	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	149.2	39.8	-6.7	335.1	65.9	-12.3
564	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	149.5	40.8	-6.7	337.0	66.6	-12.3
565	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	149.8	41.6	-6.6	338.7	67.1	-12.2
566	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	150.0	42.3	-6.5	340.2	67.6	-12.0
567	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	150.1	42.9	-6.4	341.5	68.0	-11.8
568	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	150.2	43.3	-6.2	342.7	68.3	-11.5
569	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	150.4	43.6	-6.1	343.8	68.6	-11.2
570	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	150.6	43.8	-6.0	344.7	68.8	-10.8
571	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	150.9	43.8	-5.8	345.6	69.0	-10.5
572	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	151.2	43.8	-5.8	346.3	69.2	-10.1
573	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	151.6	43.7	-5.7	347.0	69.3	-9.7
574	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	152.1	43.5	-5.8	347.6	69.4	-9.3
575	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	152.6	43.1	-5.8	348.0	69.4	-9.0
576	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	153.2	42.7	-6.0	348.3	69.2	-8.6
577	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	153.8	42.2	-6.2	348.4	69.0	-8.3
578	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	154.3	41.5	-6.6	348.3	68.6	-8.1
579	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	154.8	40.6	-7.0	347.9	67.8	-8.0
580	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	155.1	39.6	-7.5	347.1	66.7	-8.1
581	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	155.0	38.2	-8.2	345.8	64.9	-8.4
582	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	154.3	36.3	-8.9	343.9	62.3	-9.0
583	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	152.8	33.6	-9.8	341.2	58.2	-10.2
584	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	150.0	29.6	-10.6	337.6	52.0	-12.2
585	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	145.1	23.5	-11.1	333.4	42.6	-14.9
586	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	136.8	14.6	-10.6	329.6	28.4	-18.0
587	ok	0.07	0.6	0.0	20.9	20.9	7.7	7.7	114.7	6.0	-4.1	325.8	9.2	-16.2
588	ok	0.07	0.6	3.01e-04	20.9	20.9	7.7	7.7	73.0	-2.0	8.3	312.9	-3.1	0.3
589	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	154.0	42.4	-8.6	342.1	64.4	-12.7
590	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	155.9	43.5	-9.1	345.6	66.2	-13.6
591	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	157.3	44.7	-9.5	348.5	67.5	-14.1
592	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	158.3	45.8	-9.8	351.2	68.5	-14.4
593	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	159.0	46.9	-10.0	353.5	69.3	-14.5
594	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	159.6	47.9	-10.3	355.7	70.0	-14.4
595	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	160.0	48.7	-10.4	357.6	70.5	-14.3
596	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	160.3	49.4	-10.5	359.2	71.0	-14.1
597	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	160.5	49.9	-10.6	360.8	71.4	-13.8
598	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	160.7	50.3	-10.6	362.1	71.7	-13.4
599	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	160.9	50.6	-10.5	363.3	72.0	-13.1
600	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	161.1	50.8	-10.5	364.4	72.3	-12.7
601	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	161.3	51.0	-10.5	365.4	72.5	-12.3
602	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	161.6	51.0	-10.5	366.3	72.7	-11.8
603	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	161.9	51.0	-10.5	367.1	72.8	-11.4
604	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	162.3	50.9	-10.5	367.9	73.0	-11.0
605	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	162.8	50.8	-10.6	368.6	73.1	-10.5
606	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	163.3	50.6	-10.8	369.3	73.1	-10.1
607	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	163.8	50.5	-11.0	369.8	73.1	-9.6
608	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	164.3	50.3	-11.3	370.2	72.9	-9.2
609	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	164.8	50.1	-11.7	370.5	72.6	-8.8
610	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	165.2	50.0	-12.2	370.4	72.1	-8.5
611	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	165.3	49.8	-12.9	370.0	71.3	-8.3
612	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	165.1	49.8	-13.8	369.0	70.0	-8.2

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
613	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	164.2	49.7	-14.9	367.1	68.0	-8.5
614	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	162.5	49.3	-16.6	364.0	64.9	-9.3
615	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	159.4	48.3	-19.0	359.0	60.0	-11.0
616	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	154.6	45.4	-22.2	351.5	52.4	-14.2
617	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	148.9	38.6	-26.8	341.6	40.6	-19.7
618	ok	0.07	0.7	0.0	20.9	20.9	7.7	7.7	162.5	25.2	-41.9	342.0	20.5	-33.2
619	ok	0.07	0.6	4.23e-03	20.9	20.9	7.7	7.7	63.4	-33.3	29.9	294.0	-21.5	11.5
620	ok	0.07	0.7	3.58e-03	20.9	20.9	7.7	7.7	153.9	52.2	-5.2	349.4	67.3	-11.9
621	ok	0.07	0.7	3.32e-03	20.9	20.9	7.7	7.7	155.8	52.0	-5.3	352.6	68.5	-12.4
622	ok	0.07	0.7	3.19e-03	20.9	20.9	7.7	7.7	157.1	52.4	-5.4	355.4	69.4	-12.8
623	ok	0.07	0.7	3.13e-03	20.9	20.9	7.7	7.7	158.1	53.0	-5.7	357.8	70.1	-12.9
624	ok	0.07	0.7	3.12e-03	20.9	20.9	7.7	7.7	158.8	53.8	-5.9	360.1	70.8	-12.9
625	ok	0.07	0.7	3.13e-03	20.9	20.9	7.7	7.7	159.4	54.5	-6.2	362.1	71.3	-12.8
626	ok	0.07	0.7	3.15e-03	20.9	20.9	7.7	7.7	159.8	55.1	-6.5	364.0	71.7	-12.6
627	ok	0.07	0.7	3.17e-03	20.9	20.9	7.7	7.7	160.2	55.5	-6.7	365.6	72.1	-12.3
628	ok	0.07	0.7	3.19e-03	20.9	20.9	7.7	7.7	160.5	55.9	-6.9	367.1	72.4	-12.0
629	ok	0.07	0.7	3.20e-03	20.9	20.9	7.7	7.7	160.8	56.1	-7.0	368.4	72.6	-11.7
630	ok	0.07	0.7	3.20e-03	20.9	20.9	7.7	7.7	161.0	56.2	-7.0	369.6	72.9	-11.2
631	ok	0.07	0.7	3.21e-03	20.9	20.9	7.7	7.7	161.2	56.3	-7.0	370.7	73.1	-10.8
632	ok	0.07	0.7	3.21e-03	20.9	20.9	7.7	7.7	161.4	56.3	-7.0	371.7	73.3	-10.4
633	ok	0.07	0.7	3.21e-03	20.9	20.9	7.7	7.7	161.7	56.3	-7.0	372.7	73.4	-9.9
634	ok	0.07	0.7	3.20e-03	20.9	20.9	7.7	7.7	162.0	56.2	-7.1	373.6	73.6	-9.4
635	ok	0.07	0.7	3.21e-03	20.9	20.9	7.7	7.7	162.3	56.2	-7.1	374.5	73.7	-8.9
636	ok	0.07	0.8	3.21e-03	20.9	20.9	7.7	7.7	162.7	56.1	-7.2	375.3	73.8	-8.4
637	ok	0.07	0.8	3.22e-03	20.9	20.9	7.7	7.7	163.1	56.2	-7.3	376.2	73.9	-7.8
638	ok	0.07	0.8	3.24e-03	20.9	20.9	7.7	7.7	163.6	56.2	-7.5	377.1	73.9	-7.3
639	ok	0.07	0.8	3.28e-03	20.9	20.9	7.7	7.7	164.1	56.4	-7.7	377.8	73.9	-6.7
640	ok	0.07	0.8	3.34e-03	20.9	20.9	7.7	7.7	164.5	56.8	-8.0	378.5	73.7	-6.2
641	ok	0.07	0.8	3.43e-03	20.9	20.9	7.7	7.7	164.8	57.4	-8.3	379.0	73.5	-5.6
642	ok	0.07	0.8	3.57e-03	20.9	20.9	7.7	7.7	164.8	58.3	-8.7	379.2	73.1	-5.2
643	ok	0.07	0.8	3.77e-03	20.9	20.9	7.7	7.7	164.3	59.8	-9.2	378.8	72.4	-4.9
644	ok	0.07	0.8	4.06e-03	20.9	20.9	7.7	7.7	163.0	62.0	-10.1	377.3	71.4	-4.9
645	ok	0.07	0.7	4.53e-03	20.9	20.9	7.7	7.7	160.6	65.1	-11.4	374.1	69.9	-5.5
646	ok	0.07	0.7	5.12e-03	20.9	20.9	7.7	7.7	156.4	69.4	-13.8	367.8	67.8	-7.1
647	ok	0.07	0.7	5.71e-03	20.9	20.9	7.7	7.7	149.6	74.5	-18.3	356.5	64.7	-10.6
648	ok	0.07	0.7	6.18e-03	20.9	20.9	7.7	7.7	139.2	78.9	-26.4	336.8	60.3	-17.3
649	ok	0.07	0.6	7.81e-03	20.9	20.9	7.7	7.7	127.7	78.4	-41.8	306.0	54.1	-29.3
650	ok	0.07	9.31e-02	3.57e-03	20.9	20.9	7.7	7.7	-36.6	21.3	-11.2	-32.5	-8.4	-15.5
651	ok	0.07	9.41e-02	3.36e-03	20.9	20.9	7.7	7.7	-34.6	21.3	-10.1	-32.8	-8.3	-15.7
652	ok	0.07	9.49e-02	3.25e-03	20.9	20.9	7.7	7.7	-33.6	21.5	-9.7	-33.2	-8.2	-15.9
653	ok	0.07	9.56e-02	3.20e-03	20.9	20.9	7.7	7.7	-33.1	21.9	-9.7	-33.6	-8.2	-16.0
654	ok	0.07	9.61e-02	3.20e-03	20.9	20.9	7.7	7.7	-33.0	22.3	-9.9	-34.1	-8.2	-15.9
655	ok	0.07	9.64e-02	3.21e-03	20.9	20.9	7.7	7.7	-33.1	22.7	-10.0	-34.6	-8.3	-15.7
656	ok	0.07	9.65e-02	3.23e-03	20.9	20.9	7.7	7.7	-33.3	23.0	-10.2	-35.0	-8.4	-15.5
657	ok	0.07	9.63e-02	3.25e-03	20.9	20.9	7.7	7.7	-33.5	23.2	-10.2	-35.3	-8.5	-15.2
658	ok	0.07	9.58e-02	3.27e-03	20.9	20.9	7.7	7.7	-33.7	23.4	-10.3	-35.6	-8.6	-14.9
659	ok	0.07	9.52e-02	3.28e-03	20.9	20.9	7.7	7.7	-33.8	23.4	-10.3	-35.8	-8.7	-14.5
660	ok	0.07	9.44e-02	3.29e-03	20.9	20.9	7.7	7.7	-33.9	23.5	-10.4	-35.9	-8.8	-14.1
661	ok	0.07	9.35e-02	3.30e-03	20.9	20.9	7.7	7.7	-34.0	23.5	-10.4	-36.0	-8.8	-13.6
662	ok	0.07	9.25e-02	3.31e-03	20.9	20.9	7.7	7.7	-34.0	23.4	-10.5	-36.1	-8.8	-13.2
663	ok	0.07	9.15e-02	3.31e-03	20.9	20.9	7.7	7.7	-34.1	23.4	-10.6	-36.2	-8.9	-12.7
664	ok	0.07	9.05e-02	3.32e-03	20.9	20.9	7.7	7.7	-34.1	23.3	-10.8	-36.2	-8.9	-12.3
665	ok	0.07	8.94e-02	3.33e-03	20.9	20.9	7.7	7.7	-34.1	23.3	-11.1	-36.3	-9.0	-11.8
666	ok	0.07	8.85e-02	3.34e-03	20.9	20.9	7.7	7.7	-34.1	23.3	-11.4	-36.4	-9.1	-11.4
667	ok	0.07	8.76e-02	3.36e-03	20.9	20.9	7.7	7.7	-34.1	23.3	-11.8	-36.5	-9.2	-10.9
668	ok	0.07	8.68e-02	3.39e-03	20.9	20.9	7.7	7.7	-34.2	23.4	-12.2	-36.7	-9.5	-10.4
669	ok	0.07	8.61e-02	3.42e-03	20.9	20.9	7.7	7.7	-34.4	23.6	-12.6	-36.9	-9.8	-9.8
670	ok	0.07	8.55e-02	3.46e-03	20.9	20.9	7.7	7.7	-34.7	23.9	-12.9	-37.3	-10.2	-9.2
671	ok	0.07	8.51e-02	3.52e-03	20.9	20.9	7.7	7.7	-35.5	24.2	-12.9	-37.9	-10.7	-8.5
672	ok	0.07	8.48e-02	3.61e-03	20.9	20.9	7.7	7.7	-36.6	24.7	-12.5	-38.6	-11.4	-7.7
673	ok	0.07	8.46e-02	3.74e-03	20.9	20.9	7.7	7.7	-38.5	25.3	-11.5	-39.4	-12.1	-6.8
674	ok	0.07	8.44e-02	3.95e-03	20.9	20.9	7.7	7.7	-41.2	26.4	-9.4	-40.3	-12.9	-5.9
675	ok	0.07	8.38e-02	4.36e-03	20.9	20.9	7.7	7.7	-44.6	28.0	-5.9	-41.2	-13.4	-5.0
676	ok	0.07	8.24e-02	4.86e-03	20.9	20.9	7.7	7.7	-48.1	30.3	-0.4	-41.6	-13.5	-4.1
677	ok	0.07	7.86e-02	5.31e-03	20.9	20.9	7.7	7.7	-49.1	32.9	7.5	-41.1	-12.4	-3.5
678	ok	0.07	7.17e-02	5.44e-03	20.9	20.9	7.7	7.7	-41.0	34.3	19.2	-38.4	-9.1	-2.9
679	ok	0.07	6.13e-02	4.77e-03	20.9	20.9	7.7	7.7	-20.3	24.5	47.6	-32.3	-2.5	4.3
680	ok	0.07	3.69e-02	3.22e-03	20.9	20.9	7.7	7.7	-3.8	-31.3	-2.3	-18.1	0.2	4.2
681	ok	0.07	6.85e-02	2.43e-03	20.9	20.9	7.7	7.7	-25.5	30.3	-7.0	-17.8	-5.1	-13.9
682	ok	0.07	6.96e-02	2.31e-03	20.9	20.9	7.7	7.7	-24.5	30.4	-5.8	-18.0	-5.1	-14.1
683	ok	0.07	7.03e-02	2.26e-03	20.9	20.9	7.7	7.7	-23.9	30.5	-5.3	-18.3	-5.1	-14.2
684	ok	0.07	7.07e-02	2.24e-03	20.9	20.9	7.7	7.7	-23.6	30.6	-5.2	-18.5	-5.2	-14.3
685	ok	0.07	7.10e-02	2.23e-03	20.9	20.9	7.7	7.7	-23.6	30.6	-5.4	-18.8	-5.3	-14.2
686	ok	0.07	7.11e-02	2.23e-03	20.9	20.9	7.7	7.7	-23.7	30.6	-5.6	-19.0	-5.4	-14.1
687	ok	0.07	7.10e-02	2.24e-03	20.9	20.9	7.7	7.7	-23.8	30.6	-5.7	-19.2	-5.5	-13.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
688	ok	0.07	7.07e-02	2.26e-03	20.9	20.9	7.7	7.7	-23.9	30.6	-5.9	-19.4	-5.7	-13.6
689	ok	0.07	7.03e-02	2.27e-03	20.9	20.9	7.7	7.7	-24.1	30.6	-6.0	-19.5	-5.8	-13.3
690	ok	0.07	6.96e-02	2.28e-03	20.9	20.9	7.7	7.7	-24.2	30.6	-6.0	-19.7	-5.9	-12.9
691	ok	0.07	6.88e-02	2.29e-03	20.9	20.9	7.7	7.7	-24.2	30.5	-6.1	-19.8	-5.9	-12.6
692	ok	0.07	6.78e-02	2.29e-03	20.9	20.9	7.7	7.7	-24.3	30.5	-6.1	-19.8	-6.0	-12.2
693	ok	0.07	6.67e-02	2.30e-03	20.9	20.9	7.7	7.7	-24.3	30.4	-6.2	-19.9	-6.0	-11.8
694	ok	0.07	6.57e-02	2.31e-03	20.9	20.9	7.7	7.7	-24.4	30.4	-6.4	-19.9	-6.1	-11.4
695	ok	0.07	6.45e-02	2.31e-03	20.9	20.9	7.7	7.7	-24.4	30.4	-6.5	-20.0	-6.1	-10.9
696	ok	0.07	6.35e-02	2.32e-03	20.9	20.9	7.7	7.7	-24.4	30.4	-6.7	-20.0	-6.2	-10.5
697	ok	0.07	6.25e-02	2.33e-03	20.9	20.9	7.7	7.7	-24.4	30.6	-7.0	-20.1	-6.3	-10.0
698	ok	0.07	6.16e-02	2.34e-03	20.9	20.9	7.7	7.7	-24.5	30.8	-7.3	-20.2	-6.5	-9.6
699	ok	0.07	6.08e-02	2.35e-03	20.9	20.9	7.7	7.7	-24.5	31.1	-7.7	-20.3	-6.7	-9.0
700	ok	0.07	6.02e-02	2.37e-03	20.9	20.9	7.7	7.7	-24.6	31.5	-8.0	-20.5	-7.1	-8.5
701	ok	0.07	5.97e-02	2.40e-03	20.9	20.9	7.7	7.7	-24.9	32.0	-8.2	-20.7	-7.6	-7.8
702	ok	0.07	5.94e-02	2.43e-03	20.9	20.9	7.7	7.7	-25.2	32.5	-8.2	-21.0	-8.1	-7.1
703	ok	0.07	5.91e-02	2.48e-03	20.9	20.9	7.7	7.7	-25.9	33.0	-7.8	-21.4	-8.8	-6.3
704	ok	0.07	5.88e-02	2.54e-03	20.9	20.9	7.7	7.7	-26.9	33.3	-6.6	-21.8	-9.5	-5.5
705	ok	0.07	5.83e-02	2.70e-03	20.9	20.9	7.7	7.7	-28.5	33.4	-4.5	-22.2	-10.1	-4.6
706	ok	0.07	5.78e-02	2.96e-03	20.9	20.9	7.7	7.7	-30.4	33.1	-0.9	-22.4	-10.4	-3.7
707	ok	0.07	5.48e-02	3.30e-03	20.9	20.9	7.7	7.7	-32.0	32.0	4.4	-22.4	-10.0	-3.0
708	ok	0.07	4.83e-02	3.59e-03	20.9	20.9	7.7	7.7	-31.2	29.4	11.0	-21.9	-8.5	-2.6
709	ok	0.07	4.02e-02	3.55e-03	20.9	20.9	7.7	7.7	-25.1	22.3	27.9	-20.4	-5.4	2.1
710	ok	0.07	3.53e-02	2.77e-03	20.9	20.9	7.7	7.7	-12.7	6.5	24.3	-17.5	-2.0	3.0
711	ok	0.07	2.95e-02	1.82e-03	20.9	20.9	7.7	7.7	-17.2	-5.2	5.3	-14.8	-0.6	2.7
712	ok	0.07	4.67e-02	1.41e-03	20.9	20.9	7.7	7.7	-14.6	39.9	-6.0	-7.5	-2.8	-11.2
713	ok	0.07	4.77e-02	1.37e-03	20.9	20.9	7.7	7.7	-14.4	40.2	-5.1	-7.6	-2.9	-11.4
714	ok	0.07	4.83e-02	1.37e-03	20.9	20.9	7.7	7.7	-14.2	39.9	-4.8	-7.7	-2.9	-11.5
715	ok	0.07	4.86e-02	1.36e-03	20.9	20.9	7.7	7.7	-14.2	39.4	-4.9	-7.8	-3.0	-11.5
716	ok	0.07	4.89e-02	1.36e-03	20.9	20.9	7.7	7.7	-14.2	39.0	-5.0	-7.9	-3.2	-11.4
717	ok	0.07	4.90e-02	1.36e-03	20.9	20.9	7.7	7.7	-14.3	38.6	-5.2	-8.0	-3.3	-11.3
718	ok	0.07	4.90e-02	1.37e-03	20.9	20.9	7.7	7.7	-14.3	38.3	-5.3	-8.0	-3.5	-11.2
719	ok	0.07	4.89e-02	1.37e-03	20.9	20.9	7.7	7.7	-14.4	38.0	-5.4	-8.1	-3.6	-11.0
720	ok	0.07	4.86e-02	1.38e-03	20.9	20.9	7.7	7.7	-14.5	37.8	-5.5	-8.2	-3.8	-10.8
721	ok	0.07	4.81e-02	1.39e-03	20.9	20.9	7.7	7.7	-14.5	37.7	-5.6	-8.2	-3.9	-10.5
722	ok	0.07	4.75e-02	1.39e-03	20.9	20.9	7.7	7.7	-14.6	37.5	-5.6	-8.2	-3.9	-10.2
723	ok	0.07	4.67e-02	1.40e-03	20.9	20.9	7.7	7.7	-14.6	37.4	-5.7	-8.3	-4.0	-9.9
724	ok	0.07	4.59e-02	1.40e-03	20.9	20.9	7.7	7.7	-14.6	37.3	-5.7	-8.3	-4.0	-9.6
725	ok	0.07	4.51e-02	1.41e-03	20.9	20.9	7.7	7.7	-14.7	37.3	-5.8	-8.3	-4.1	-9.3
726	ok	0.07	4.43e-02	1.41e-03	20.9	20.9	7.7	7.7	-14.7	37.3	-5.9	-8.4	-4.1	-9.0
727	ok	0.07	4.35e-02	1.42e-03	20.9	20.9	7.7	7.7	-14.7	37.5	-6.0	-8.4	-4.2	-8.6
728	ok	0.07	4.28e-02	1.43e-03	20.9	20.9	7.7	7.7	-14.8	37.7	-6.2	-8.4	-4.4	-8.3
729	ok	0.07	4.22e-02	1.43e-03	20.9	20.9	7.7	7.7	-14.8	38.1	-6.4	-8.4	-4.6	-7.9
730	ok	0.07	4.18e-02	1.44e-03	20.9	20.9	7.7	7.7	-14.8	38.7	-6.6	-8.5	-4.8	-7.5
731	ok	0.07	4.15e-02	1.45e-03	20.9	20.9	7.7	7.7	-14.9	39.4	-6.9	-8.6	-5.2	-7.0
732	ok	0.07	4.14e-02	1.46e-03	20.9	20.9	7.7	7.7	-15.0	40.2	-7.0	-8.6	-5.7	-6.5
733	ok	0.07	4.20e-02	1.47e-03	20.9	20.9	7.7	7.7	-15.1	41.1	-7.1	-8.7	-6.3	-5.9
734	ok	0.07	4.37e-02	1.48e-03	20.9	20.9	7.7	7.7	-15.3	41.8	-6.8	-8.9	-7.0	-5.3
735	ok	0.07	4.51e-02	1.49e-03	20.9	20.9	7.7	7.7	-15.6	42.0	-6.1	-9.0	-7.7	-4.6
736	ok	0.07	4.59e-02	1.55e-03	20.9	20.9	7.7	7.7	-16.0	41.4	-4.6	-9.1	-8.2	-3.9
737	ok	0.07	4.50e-02	1.66e-03	20.9	20.9	7.7	7.7	-16.6	39.1	-2.1	-9.1	-8.3	-3.3
738	ok	0.07	4.12e-02	1.85e-03	20.9	20.9	7.7	7.7	-17.1	34.7	1.6	-9.1	-7.7	-2.8
739	ok	0.07	3.33e-02	2.05e-03	20.9	20.9	7.7	7.7	-16.6	27.2	5.4	-8.9	-6.0	-2.4
740	ok	0.07	2.25e-02	2.07e-03	20.9	20.9	7.7	7.7	-13.8	16.7	6.5	-8.4	-3.5	-2.1
741	ok	0.07	1.84e-02	1.67e-03	20.9	20.9	7.7	7.7	-10.9	5.0	12.5	-7.7	-1.2	2.3
742	ok	0.07	1.81e-02	1.79e-03	20.9	20.9	7.7	7.7	-17.9	-1.6	5.1	-7.8	-0.6	2.5
743	ok	0.07	1.59e-02	4.70e-04	20.9	20.9	7.7	7.7	-4.6	50.3	-5.2	-1.8	-1.9	-3.2
744	ok	0.07	1.60e-02	4.77e-04	20.9	20.9	7.7	7.7	-4.7	49.8	-5.3	-1.8	-1.9	-3.2
745	ok	0.07	1.61e-02	4.82e-04	20.9	20.9	7.7	7.7	-4.7	50.1	-5.3	-1.8	-1.8	-3.3
746	ok	0.07	1.62e-02	4.86e-04	20.9	20.9	7.7	7.7	-4.8	48.3	-5.3	-1.8	-1.8	-3.3
747	ok	0.07	1.65e-02	4.90e-04	20.9	20.9	7.7	7.7	-4.8	47.3	-5.3	-1.8	-1.9	-3.3
748	ok	0.07	1.68e-02	4.93e-04	20.9	20.9	7.7	7.7	-4.8	46.4	-5.4	-1.8	-2.1	-3.3
749	ok	0.07	1.71e-02	4.95e-04	20.9	20.9	7.7	7.7	-4.8	45.8	-5.4	-1.8	-2.2	-3.3
750	ok	0.07	1.76e-02	4.97e-04	20.9	20.9	7.7	7.7	-4.8	45.4	-5.4	-1.8	-2.3	-3.3
751	ok	0.07	1.81e-02	4.99e-04	20.9	20.9	7.7	7.7	-4.8	45.0	-5.4	-1.8	-2.4	-3.3
752	ok	0.07	1.84e-02	5.01e-04	20.9	20.9	7.7	7.7	-4.8	44.8	-5.5	-1.8	-2.5	-3.2
753	ok	0.07	1.86e-02	5.03e-04	20.9	20.9	7.7	7.7	-4.9	44.5	-5.5	-1.8	-2.6	-3.2
754	ok	0.07	1.88e-02	5.05e-04	20.9	20.9	7.7	7.7	-4.9	44.3	-5.5	-1.8	-2.7	-3.2
755	ok	0.07	1.89e-02	5.07e-04	20.9	20.9	7.7	7.7	-4.9	44.2	-5.5	-1.8	-2.7	-3.2
756	ok	0.07	1.90e-02	5.09e-04	20.9	20.9	7.7	7.7	-4.9	44.1	-5.5	-1.8	-2.7	-3.1
757	ok	0.07	1.91e-02	5.11e-04	20.9	20.9	7.7	7.7	-4.9	44.1	-5.5	-1.8	-2.8	-3.1
758	ok	0.07	1.94e-02	5.13e-04	20.9	20.9	7.7	7.7	-4.9	44.3	-5.6	-1.8	-2.9	-3.1
759	ok	0.07	1.98e-02	5.14e-04	20.9	20.9	7.7	7.7	-5.0	44.6	-5.6	-1.8	-3.0	-3.0
760	ok	0.07	2.06e-02	5.16e-04	20.9	20.9	7.7	7.7	-5.0	45.1	-5.6	-1.8	-3.2	-3.0
761	ok	0.07	2.16e-02	5.16e-04	20.9	20.9	7.7	7.7	-5.0	46.0	-5.6	-1.8	-3.4	-3.0
762	ok	0.07	2.31e-02	5.17e-04	20.9	20.9	7.7	7.7	-5.0	47.0	-5.7	-1.8	-3.8	-2.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
763	ok	0.07	2.50e-02	5.16e-04	20.9	20.9	7.7	7.7	-5.0	48.4	-5.7	-1.8	-4.3	-2.9
764	ok	0.07	2.74e-02	5.15e-04	20.9	20.9	7.7	7.7	-5.0	50.4	-5.7	-1.8	-4.9	-2.8
765	ok	0.07	3.01e-02	5.13e-04	20.9	20.9	7.7	7.7	-5.0	51.8	-5.7	-1.8	-5.5	-2.8
766	ok	0.07	3.28e-02	5.09e-04	20.9	20.9	7.7	7.7	-5.0	52.8	-5.8	-1.8	-6.2	-2.7
767	ok	0.07	3.47e-02	5.04e-04	20.9	20.9	7.7	7.7	-4.9	52.3	-5.7	-1.8	-6.7	-2.6
768	ok	0.07	3.48e-02	5.00e-04	20.9	20.9	7.7	7.7	-4.8	49.2	-5.6	-1.8	-6.8	-2.5
769	ok	0.07	3.17e-02	5.08e-04	20.9	20.9	7.7	7.7	-4.8	41.7	-5.4	-1.8	-6.2	-2.5
770	ok	0.07	2.49e-02	5.44e-04	20.9	20.9	7.7	7.7	-4.9	28.0	-5.2	-1.8	-4.7	-2.4
771	ok	0.07	1.55e-02	6.47e-04	20.9	20.9	7.7	7.7	-5.2	11.6	-5.2	-1.9	-2.5	-2.4
772	ok	0.07	1.06e-02	8.61e-04	20.9	20.9	7.7	7.7	-4.9	1.2	-6.6	-1.8	-0.5	-2.6
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**
									-49.09	-42.78	-71.50	-41.64	-21.49	-47.15
		0.07	0.76	7.81e-03	20.94	20.94	7.70	7.70	185.18	78.92	51.36	379.20	73.92	35.28

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		kN/ m2					kN/ m	kN/ m
1	ok	0.08						
2	ok	0.11						
3	ok	0.20						
4	ok	0.20						
5	ok	1.93						
6	ok	2.15						
12	ok	0.84						
14	ok	0.84						
19	ok	0.33						
20	ok	0.46						
21	ok	0.15						
22	ok	0.18						
25	ok	0.20						
26	ok	0.54						
27	ok	0.54						
28	ok	0.41						
29	ok	0.86						
30	ok	0.86						
31	ok	0.64						
32	ok	1.12						
33	ok	1.12						
34	ok	0.84						
35	ok	1.33						
36	ok	1.33						
37	ok	1.01						
38	ok	1.48						
39	ok	1.48						
40	ok	1.14						
41	ok	1.58						
42	ok	1.58						
43	ok	1.22						
44	ok	1.60						
45	ok	1.60						
46	ok	1.27						
47	ok	1.60						
48	ok	1.60						
49	ok	1.27						
50	ok	1.57						
51	ok	1.57						
52	ok	1.27						
53	ok	1.49						
54	ok	1.49						
55	ok	1.27						
56	ok	1.34						
57	ok	1.34						
58	ok	1.28						
59	ok	1.15						
60	ok	1.08						
61	ok	1.28						
62	ok	0.96						
63	ok	0.96						
64	ok	1.14						
65	ok	1.93						
66	ok	1.93						
67	ok	0.91						
68	ok	1.93						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
69	ok	0.69						
70	ok	0.30						
71	ok	0.84						
72	ok	0.44						
73	ok	0.27						
74	ok	0.56						
75	ok	0.24						
76	ok	0.18						
77	ok	0.33						
78	ok	0.21						
79	ok	0.14						
80	ok	0.38						
81	ok	0.15						
82	ok	0.38						
83	ok	0.16						
84	ok	0.39						
85	ok	0.40						
86	ok	0.59						
87	ok	0.60						
88	ok	0.61						
89	ok	0.63						
90	ok	0.78						
91	ok	0.78						
92	ok	0.80						
93	ok	0.82						
94	ok	0.93						
95	ok	0.94						
96	ok	0.96						
97	ok	0.98						
98	ok	1.05						
99	ok	1.07						
100	ok	1.09						
101	ok	1.12						
102	ok	1.14						
103	ok	1.17						
104	ok	1.20						
105	ok	1.23						
106	ok	1.21						
107	ok	1.24						
108	ok	1.27						
109	ok	1.30						
110	ok	1.25						
111	ok	1.29						
112	ok	1.32						
113	ok	1.36						
114	ok	1.30						
115	ok	1.34						
116	ok	1.39						
117	ok	1.42						
118	ok	1.34						
119	ok	1.40						
120	ok	1.44						
121	ok	1.48						
122	ok	1.37						
123	ok	1.44						
124	ok	1.48						
125	ok	1.50						
126	ok	1.37						
127	ok	1.44						
128	ok	1.48						
129	ok	1.50						
130	ok	1.25						
131	ok	1.30						
132	ok	1.32						
133	ok	1.32						
134	ok	0.97						
135	ok	0.98						
136	ok	0.98						
137	ok	0.97						
138	ok	0.87						
139	ok	0.87						
140	ok	0.86						
141	ok	0.87						
142	ok	0.87						
143	ok	0.86						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
144	ok	0.84						
145	ok	0.61						
146	ok	0.62						
147	ok	0.62						
148	ok	0.62						
149	ok	0.40						
150	ok	0.43						
151	ok	0.45						
152	ok	0.46						
153	ok	0.40						
154	ok	0.43						
155	ok	0.45						
156	ok	0.19						
157	ok	0.41						
158	ok	0.20						
159	ok	0.42						
160	ok	0.21						
161	ok	0.42						
162	ok	0.22						
163	ok	0.43						
164	ok	0.23						
165	ok	0.43						
166	ok	0.24						
167	ok	0.43						
168	ok	0.24						
169	ok	0.44						
170	ok	0.25						
171	ok	0.44						
172	ok	0.25						
173	ok	0.44						
174	ok	0.25						
175	ok	0.44						
176	ok	0.25						
177	ok	0.44						
178	ok	0.25						
179	ok	0.44						
180	ok	0.25						
181	ok	0.44						
182	ok	0.25						
183	ok	0.44						
184	ok	0.24						
185	ok	0.44						
186	ok	0.24						
187	ok	0.44						
188	ok	0.24						
189	ok	0.44						
190	ok	0.23						
191	ok	0.44						
192	ok	0.23						
193	ok	0.44						
194	ok	0.22						
195	ok	0.44						
196	ok	0.21						
197	ok	0.44						
198	ok	0.21						
199	ok	0.44						
200	ok	0.20						
201	ok	0.44						
202	ok	0.20						
203	ok	0.44						
204	ok	0.19						
205	ok	0.44						
206	ok	0.19						
207	ok	0.43						
208	ok	0.18						
209	ok	0.43						
210	ok	0.18						
211	ok	0.42						
212	ok	0.18						
213	ok	0.43						
214	ok	0.20						
215	ok	0.52						
216	ok	0.52						
217	ok	0.64						
218	ok	0.65						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
219	ok	0.65						
220	ok	0.66						
221	ok	0.66						
222	ok	0.67						
223	ok	0.67						
224	ok	0.67						
225	ok	0.68						
226	ok	0.68						
227	ok	0.68						
228	ok	0.68						
229	ok	0.68						
230	ok	0.68						
231	ok	0.68						
232	ok	0.68						
233	ok	0.69						
234	ok	0.69						
235	ok	0.69						
236	ok	0.68						
237	ok	0.68						
238	ok	0.68						
239	ok	0.68						
240	ok	0.68						
241	ok	0.67						
242	ok	0.66						
243	ok	0.65						
244	ok	0.64						
245	ok	0.66						
246	ok	0.80						
247	ok	0.80						
248	ok	0.83						
249	ok	0.85						
250	ok	0.86						
251	ok	0.86						
252	ok	0.87						
253	ok	0.88						
254	ok	0.88						
255	ok	0.88						
256	ok	0.89						
257	ok	0.89						
258	ok	0.89						
259	ok	0.89						
260	ok	0.89						
261	ok	0.89						
262	ok	0.90						
263	ok	0.90						
264	ok	0.90						
265	ok	0.90						
266	ok	0.90						
267	ok	0.90						
268	ok	0.89						
269	ok	0.89						
270	ok	0.89						
271	ok	0.88						
272	ok	0.87						
273	ok	0.86						
274	ok	0.84						
275	ok	0.83						
276	ok	0.85						
277	ok	1.02						
278	ok	1.02						
279	ok	1.00						
280	ok	1.02						
281	ok	1.03						
282	ok	1.04						
283	ok	1.05						
284	ok	1.05						
285	ok	1.06						
286	ok	1.06						
287	ok	1.06						
288	ok	1.07						
289	ok	1.07						
290	ok	1.07						
291	ok	1.07						
292	ok	1.07						
293	ok	1.07						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
294	ok	1.07						
295	ok	1.07						
296	ok	1.07						
297	ok	1.07						
298	ok	1.07						
299	ok	1.07						
300	ok	1.07						
301	ok	1.06						
302	ok	1.05						
303	ok	1.04						
304	ok	1.02						
305	ok	1.00						
306	ok	0.98						
307	ok	1.00						
308	ok	1.20						
309	ok	1.20						
310	ok	1.14						
311	ok	1.16						
312	ok	1.17						
313	ok	1.18						
314	ok	1.19						
315	ok	1.20						
316	ok	1.20						
317	ok	1.21						
318	ok	1.21						
319	ok	1.21						
320	ok	1.21						
321	ok	1.22						
322	ok	1.22						
323	ok	1.22						
324	ok	1.22						
325	ok	1.22						
326	ok	1.22						
327	ok	1.22						
328	ok	1.22						
329	ok	1.22						
330	ok	1.22						
331	ok	1.21						
332	ok	1.20						
333	ok	1.19						
334	ok	1.18						
335	ok	1.16						
336	ok	1.13						
337	ok	1.11						
338	ok	1.12						
339	ok	1.32						
340	ok	1.32						
341	ok	1.25						
342	ok	1.27						
343	ok	1.28						
344	ok	1.29						
345	ok	1.30						
346	ok	1.31						
347	ok	1.31						
348	ok	1.32						
349	ok	1.32						
350	ok	1.32						
351	ok	1.33						
352	ok	1.33						
353	ok	1.33						
354	ok	1.33						
355	ok	1.33						
356	ok	1.33						
357	ok	1.33						
358	ok	1.33						
359	ok	1.33						
360	ok	1.33						
361	ok	1.33						
362	ok	1.32						
363	ok	1.32						
364	ok	1.30						
365	ok	1.29						
366	ok	1.26						
367	ok	1.24						
368	ok	1.21						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
369	ok	1.20						
370	ok	1.38						
371	ok	1.38						
372	ok	1.33						
373	ok	1.35						
374	ok	1.36						
375	ok	1.38						
376	ok	1.38						
377	ok	1.39						
378	ok	1.40						
379	ok	1.40						
380	ok	1.40						
381	ok	1.40						
382	ok	1.41						
383	ok	1.41						
384	ok	1.41						
385	ok	1.41						
386	ok	1.41						
387	ok	1.41						
388	ok	1.42						
389	ok	1.42						
390	ok	1.42						
391	ok	1.41						
392	ok	1.41						
393	ok	1.41						
394	ok	1.40						
395	ok	1.39						
396	ok	1.37						
397	ok	1.34						
398	ok	1.31						
399	ok	1.28						
400	ok	1.24						
401	ok	1.39						
402	ok	1.39						
403	ok	1.38						
404	ok	1.40						
405	ok	1.42						
406	ok	1.43						
407	ok	1.43						
408	ok	1.44						
409	ok	1.44						
410	ok	1.45						
411	ok	1.45						
412	ok	1.45						
413	ok	1.45						
414	ok	1.46						
415	ok	1.46						
416	ok	1.46						
417	ok	1.46						
418	ok	1.46						
419	ok	1.47						
420	ok	1.47						
421	ok	1.47						
422	ok	1.47						
423	ok	1.47						
424	ok	1.46						
425	ok	1.46						
426	ok	1.45						
427	ok	1.43						
428	ok	1.40						
429	ok	1.37						
430	ok	1.32						
431	ok	1.28						
432	ok	1.39						
433	ok	1.39						
434	ok	1.45						
435	ok	1.46						
436	ok	1.48						
437	ok	1.49						
438	ok	1.49						
439	ok	1.50						
440	ok	1.50						
441	ok	1.50						
442	ok	1.50						
443	ok	1.51						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
444	ok	1.51						
445	ok	1.51						
446	ok	1.51						
447	ok	1.51						
448	ok	1.51						
449	ok	1.52						
450	ok	1.52						
451	ok	1.52						
452	ok	1.53						
453	ok	1.53						
454	ok	1.53						
455	ok	1.53						
456	ok	1.52						
457	ok	1.51						
458	ok	1.50						
459	ok	1.47						
460	ok	1.44						
461	ok	1.38						
462	ok	1.32						
463	ok	1.34						
464	ok	1.34						
465	ok	1.50						
466	ok	1.51						
467	ok	1.52						
468	ok	1.52						
469	ok	1.53						
470	ok	1.53						
471	ok	1.53						
472	ok	1.53						
473	ok	1.53						
474	ok	1.53						
475	ok	1.53						
476	ok	1.54						
477	ok	1.54						
478	ok	1.54						
479	ok	1.54						
480	ok	1.55						
481	ok	1.55						
482	ok	1.55						
483	ok	1.56						
484	ok	1.56						
485	ok	1.57						
486	ok	1.57						
487	ok	1.57						
488	ok	1.56						
489	ok	1.55						
490	ok	1.53						
491	ok	1.50						
492	ok	1.44						
493	ok	1.34						
494	ok	1.25						
495	ok	1.25						
496	ok	1.51						
497	ok	1.52						
498	ok	1.52						
499	ok	1.52						
500	ok	1.53						
501	ok	1.53						
502	ok	1.53						
503	ok	1.53						
504	ok	1.53						
505	ok	1.53						
506	ok	1.53						
507	ok	1.54						
508	ok	1.54						
509	ok	1.54						
510	ok	1.54						
511	ok	1.55						
512	ok	1.55						
513	ok	1.55						
514	ok	1.56						
515	ok	1.56						
516	ok	1.57						
517	ok	1.57						
518	ok	1.58						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
519	ok	1.58						
520	ok	1.58						
521	ok	1.57						
522	ok	1.54						
523	ok	1.48						
524	ok	1.37						
525	ok	1.22						
526	ok	1.09						
527	ok	1.51						
528	ok	1.52						
529	ok	1.52						
530	ok	1.52						
531	ok	1.52						
532	ok	1.52						
533	ok	1.52						
534	ok	1.52						
535	ok	1.52						
536	ok	1.52						
537	ok	1.52						
538	ok	1.52						
539	ok	1.52						
540	ok	1.53						
541	ok	1.53						
542	ok	1.53						
543	ok	1.54						
544	ok	1.54						
545	ok	1.55						
546	ok	1.56						
547	ok	1.57						
548	ok	1.57						
549	ok	1.58						
550	ok	1.58						
551	ok	1.58						
552	ok	1.57						
553	ok	1.54						
554	ok	1.48						
555	ok	1.37						
556	ok	1.16						
557	ok	0.81						
558	ok	1.32						
559	ok	1.32						
560	ok	1.31						
561	ok	1.31						
562	ok	1.30						
563	ok	1.30						
564	ok	1.30						
565	ok	1.30						
566	ok	1.29						
567	ok	1.29						
568	ok	1.29						
569	ok	1.29						
570	ok	1.29						
571	ok	1.29						
572	ok	1.30						
573	ok	1.30						
574	ok	1.31						
575	ok	1.32						
576	ok	1.33						
577	ok	1.34						
578	ok	1.35						
579	ok	1.37						
580	ok	1.38						
581	ok	1.40						
582	ok	1.40						
583	ok	1.40						
584	ok	1.40						
585	ok	1.35						
586	ok	1.24						
587	ok	1.26						
588	ok	1.26						
589	ok	0.95						
590	ok	0.93						
591	ok	0.91						
592	ok	0.89						
593	ok	0.88						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
594	ok	0.88						
595	ok	0.87						
596	ok	0.87						
597	ok	0.86						
598	ok	0.86						
599	ok	0.86						
600	ok	0.86						
601	ok	0.86						
602	ok	0.86						
603	ok	0.86						
604	ok	0.87						
605	ok	0.88						
606	ok	0.89						
607	ok	0.90						
608	ok	0.92						
609	ok	0.94						
610	ok	0.96						
611	ok	0.99						
612	ok	1.02						
613	ok	1.05						
614	ok	1.07						
615	ok	1.07						
616	ok	1.07						
617	ok	1.00						
618	ok	2.15						
619	ok	2.15						
620	ok	0.82						
621	ok	0.82						
622	ok	0.82						
623	ok	0.83						
624	ok	0.84						
625	ok	0.85						
626	ok	0.85						
627	ok	0.86						
628	ok	0.86						
629	ok	0.86						
630	ok	0.86						
631	ok	0.86						
632	ok	0.86						
633	ok	0.86						
634	ok	0.86						
635	ok	0.86						
636	ok	0.86						
637	ok	0.86						
638	ok	0.86						
639	ok	0.86						
640	ok	0.87						
641	ok	0.88						
642	ok	0.90						
643	ok	0.93						
644	ok	0.97						
645	ok	1.02						
646	ok	1.07						
647	ok	1.08						
648	ok	1.08						
649	ok	2.15						
650	ok	0.82						
651	ok	0.82						
652	ok	0.82						
653	ok	0.83						
654	ok	0.84						
655	ok	0.85						
656	ok	0.85						
657	ok	0.86						
658	ok	0.86						
659	ok	0.86						
660	ok	0.86						
661	ok	0.86						
662	ok	0.86						
663	ok	0.86						
664	ok	0.86						
665	ok	0.86						
666	ok	0.86						
667	ok	0.86						
668	ok	0.86						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
669	ok	0.86						
670	ok	0.87						
671	ok	0.88						
672	ok	0.90						
673	ok	0.93						
674	ok	0.97						
675	ok	1.02						
676	ok	1.07						
677	ok	1.08						
678	ok	1.08						
679	ok	0.96						
680	ok	0.40						
681	ok	0.61						
682	ok	0.61						
683	ok	0.61						
684	ok	0.62						
685	ok	0.63						
686	ok	0.63						
687	ok	0.64						
688	ok	0.64						
689	ok	0.64						
690	ok	0.65						
691	ok	0.65						
692	ok	0.65						
693	ok	0.65						
694	ok	0.65						
695	ok	0.65						
696	ok	0.65						
697	ok	0.65						
698	ok	0.65						
699	ok	0.65						
700	ok	0.65						
701	ok	0.66						
702	ok	0.67						
703	ok	0.68						
704	ok	0.71						
705	ok	0.73						
706	ok	0.77						
707	ok	0.79						
708	ok	0.79						
709	ok	0.77						
710	ok	0.65						
711	ok	0.36						
712	ok	0.47						
713	ok	0.47						
714	ok	0.48						
715	ok	0.48						
716	ok	0.48						
717	ok	0.47						
718	ok	0.47						
719	ok	0.46						
720	ok	0.45						
721	ok	0.44						
722	ok	0.43						
723	ok	0.42						
724	ok	0.42						
725	ok	0.42						
726	ok	0.42						
727	ok	0.42						
728	ok	0.42						
729	ok	0.42						
730	ok	0.42						
731	ok	0.42						
732	ok	0.43						
733	ok	0.43						
734	ok	0.44						
735	ok	0.45						
736	ok	0.47						
737	ok	0.48						
738	ok	0.49						
739	ok	0.49						
740	ok	0.47						
741	ok	0.39						
742	ok	0.26						
743	ok	0.47						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
744	ok	0.47						
745	ok	0.48						
746	ok	0.48						
747	ok	0.48						
748	ok	0.47						
749	ok	0.47						
750	ok	0.46						
751	ok	0.45						
752	ok	0.44						
753	ok	0.43						
754	ok	0.41						
755	ok	0.40						
756	ok	0.38						
757	ok	0.37						
758	ok	0.36						
759	ok	0.34						
760	ok	0.33						
761	ok	0.32						
762	ok	0.30						
763	ok	0.29						
764	ok	0.27						
765	ok	0.25						
766	ok	0.23						
767	ok	0.21						
768	ok	0.19						
769	ok	0.18						
770	ok	0.19						
771	ok	0.19						
772	ok	0.17						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		2.15						

9.2.7 Stati limite d'esercizio

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

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

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

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

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

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

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

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

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

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
704	0.27	0.58	0.23	36,36,39	0.23	0.0	0.0	36,0,0
705	0.22	0.58	0.19	36,36,39	0.0	0.0	0.0	0,0,0
706	0.23	0.62	0.20	36,36,39	0.0	0.0	0.0	0,0,0
707	0.24	0.64	0.21	36,36,39	0.25	0.0	0.0	36,0,0
708	0.24	0.66	0.21	36,36,39	0.25	0.0	0.0	36,0,0
709	0.24	0.67	0.21	36,36,39	0.26	0.0	0.0	36,0,0
710	0.25	0.68	0.22	36,36,39	0.26	0.0	0.0	36,0,0
711	0.25	0.69	0.22	36,36,39	0.27	0.0	0.0	36,0,0
712	0.25	0.70	0.22	36,36,39	0.27	0.0	0.0	36,0,0
713	0.26	0.70	0.22	36,36,39	0.27	0.26	0.0	36,38,0
714	0.26	0.71	0.22	36,36,39	0.27	0.26	0.0	36,38,0
715	0.26	0.71	0.23	36,36,39	0.28	0.26	0.0	36,38,0
716	0.26	0.72	0.23	36,36,39	0.28	0.27	0.0	36,38,0
717	0.27	0.72	0.23	36,36,39	0.28	0.27	0.0	36,38,0
718	0.27	0.73	0.23	36,36,39	0.28	0.27	0.0	36,38,0
719	0.27	0.73	0.23	36,36,39	0.28	0.27	0.0	36,38,0
720	0.27	0.73	0.23	36,36,39	0.28	0.27	0.0	36,38,0
721	0.27	0.74	0.23	36,36,39	0.28	0.28	0.0	36,38,0
722	0.27	0.74	0.23	36,36,39	0.28	0.28	0.0	36,38,0
723	0.27	0.74	0.23	36,36,39	0.28	0.28	0.0	36,38,0
724	0.27	0.74	0.23	36,36,39	0.29	0.28	0.0	36,38,0
725	0.27	0.74	0.23	36,36,39	0.29	0.28	0.0	36,38,0
726	0.27	0.74	0.23	36,36,39	0.29	0.28	0.0	36,38,0
727	0.27	0.75	0.23	36,36,39	0.29	0.28	0.0	36,38,0
728	0.27	0.75	0.23	36,36,39	0.29	0.28	0.0	36,38,0
729	0.27	0.75	0.23	36,36,39	0.29	0.28	0.0	36,38,0
730	0.27	0.75	0.23	36,36,39	0.29	0.28	0.0	36,38,0
731	0.27	0.75	0.23	36,36,39	0.29	0.28	0.0	36,38,0
732	0.27	0.75	0.23	36,36,39	0.29	0.28	0.0	36,38,0
733	0.27	0.75	0.23	36,36,39	0.29	0.28	0.0	36,38,0
734	0.27	0.75	0.23	36,36,39	0.29	0.28	0.0	36,38,0
735	0.27	0.75	0.23	36,36,39	0.29	0.28	0.0	36,38,0
736	0.27	0.75	0.23	36,36,39	0.29	0.28	0.0	36,38,0
737	0.27	0.74	0.23	36,36,39	0.28	0.27	0.0	36,38,0
738	0.26	0.72	0.23	36,36,39	0.28	0.26	0.0	36,38,0
739	0.26	0.68	0.22	36,36,39	0.26	0.0	0.0	36,0,0
740	0.30	0.68	0.26	36,36,39	0.26	0.24	0.0	36,38,0
741	0.21	0.50	0.18	36,36,39	0.0	0.0	0.0	0,0,0
742	0.20	0.50	0.18	36,36,39	0.0	0.0	0.0	0,0,0
743	0.21	0.53	0.18	36,36,39	0.0	0.0	0.0	0,0,0
744	0.21	0.55	0.18	36,36,39	0.0	0.0	0.0	0,0,0
745	0.21	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
746	0.22	0.58	0.18	36,36,39	0.0	0.0	0.0	0,0,0
747	0.22	0.59	0.19	36,36,39	0.0	0.0	0.0	0,0,0
748	0.22	0.60	0.19	36,36,39	0.0	0.0	0.0	0,0,0
749	0.23	0.60	0.19	36,36,39	0.0	0.0	0.0	0,0,0
750	0.23	0.61	0.19	36,36,39	0.0	0.0	0.0	0,0,0
751	0.23	0.62	0.20	36,36,39	0.24	0.0	0.0	36,0,0
752	0.23	0.62	0.20	36,36,39	0.24	0.0	0.0	36,0,0
753	0.24	0.63	0.20	36,36,39	0.24	0.0	0.0	36,0,0
754	0.24	0.63	0.20	36,36,39	0.24	0.0	0.0	36,0,0
755	0.24	0.63	0.20	36,36,39	0.24	0.0	0.0	36,0,0
756	0.24	0.64	0.20	36,36,39	0.25	0.0	0.0	36,0,0
757	0.24	0.64	0.20	36,36,39	0.25	0.0	0.0	36,0,0
758	0.24	0.64	0.20	36,36,39	0.25	0.0	0.0	36,0,0
759	0.24	0.64	0.20	36,36,39	0.25	0.0	0.0	36,0,0
760	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
761	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
762	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
763	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
764	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
765	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
766	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
767	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
768	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
769	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
770	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
771	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
772	0.24	0.65	0.20	36,36,39	0.25	0.0	0.0	36,0,0
773	0.24	0.64	0.20	36,36,39	0.25	0.0	0.0	36,0,0
774	0.24	0.63	0.20	36,36,39	0.24	0.0	0.0	36,0,0
775	0.24	0.61	0.20	36,36,39	0.24	0.0	0.0	36,0,0
776	0.24	0.59	0.20	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
777	0.24	0.58	0.20	36,36,39	0.0	0.0	0.0	0,0,0
778	0.18	0.44	0.15	36,36,39	0.0	0.0	0.0	0,0,0
779	0.18	0.43	0.15	36,36,39	0.0	0.0	0.0	0,0,0
780	0.18	0.45	0.15	36,36,39	0.0	0.0	0.0	0,0,0
781	0.18	0.46	0.15	36,36,39	0.0	0.0	0.0	0,0,0
782	0.19	0.47	0.16	36,36,39	0.0	0.0	0.0	0,0,0
783	0.19	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
784	0.19	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
785	0.20	0.51	0.16	36,36,39	0.0	0.0	0.0	0,0,0
786	0.20	0.52	0.17	36,36,39	0.0	0.0	0.0	0,0,0
787	0.20	0.53	0.17	36,36,39	0.0	0.0	0.0	0,0,0
788	0.21	0.53	0.17	36,36,39	0.0	0.0	0.0	0,0,0
789	0.21	0.54	0.17	36,36,39	0.0	0.0	0.0	0,0,0
790	0.21	0.54	0.17	36,36,39	0.0	0.0	0.0	0,0,0
791	0.21	0.55	0.17	36,36,39	0.0	0.0	0.0	0,0,0
792	0.21	0.55	0.17	36,36,39	0.0	0.0	0.0	0,0,0
793	0.21	0.55	0.18	36,36,39	0.0	0.0	0.0	0,0,0
794	0.21	0.55	0.18	36,36,39	0.0	0.0	0.0	0,0,0
795	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
796	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
797	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
798	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
799	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
800	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
801	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
802	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
803	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
804	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
805	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
806	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
807	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
808	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
809	0.22	0.56	0.18	36,36,39	0.0	0.0	0.0	0,0,0
810	0.21	0.55	0.18	36,36,39	0.0	0.0	0.0	0,0,0
811	0.21	0.54	0.17	36,36,39	0.0	0.0	0.0	0,0,0
812	0.21	0.53	0.17	36,36,39	0.0	0.0	0.0	0,0,0
813	0.21	0.51	0.17	36,36,39	0.0	0.0	0.0	0,0,0
814	0.21	0.52	0.17	36,36,39	0.0	0.0	0.0	0,0,0
815	0.15	0.37	0.13	36,36,39	0.0	0.0	0.0	0,0,0
816	0.15	0.36	0.13	36,36,39	0.0	0.0	0.0	0,0,0
817	0.16	0.37	0.13	36,36,39	0.0	0.0	0.0	0,0,0
818	0.16	0.38	0.13	36,36,39	0.0	0.0	0.0	0,0,0
819	0.16	0.39	0.13	36,36,39	0.0	0.0	0.0	0,0,0
820	0.16	0.41	0.13	36,36,39	0.0	0.0	0.0	0,0,0
821	0.17	0.42	0.14	36,36,39	0.0	0.0	0.0	0,0,0
822	0.17	0.43	0.14	36,36,39	0.0	0.0	0.0	0,0,0
823	0.18	0.44	0.14	36,36,39	0.0	0.0	0.0	0,0,0
824	0.18	0.45	0.14	36,36,39	0.0	0.0	0.0	0,0,0
825	0.18	0.46	0.15	36,36,39	0.0	0.0	0.0	0,0,0
826	0.18	0.46	0.15	36,36,39	0.0	0.0	0.0	0,0,0
827	0.19	0.47	0.15	36,36,39	0.0	0.0	0.0	0,0,0
828	0.19	0.47	0.15	36,36,39	0.0	0.0	0.0	0,0,0
829	0.19	0.47	0.15	36,36,39	0.0	0.0	0.0	0,0,0
830	0.19	0.47	0.15	36,36,39	0.0	0.0	0.0	0,0,0
831	0.19	0.47	0.15	36,36,39	0.0	0.0	0.0	0,0,0
832	0.19	0.47	0.15	36,36,39	0.0	0.0	0.0	0,0,0
833	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
834	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
835	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
836	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
837	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
838	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
839	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
840	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
841	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
842	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
843	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
844	0.19	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
845	0.19	0.47	0.15	36,36,39	0.0	0.0	0.0	0,0,0
846	0.19	0.47	0.15	36,36,39	0.0	0.0	0.0	0,0,0
847	0.19	0.46	0.15	36,36,39	0.0	0.0	0.0	0,0,0
848	0.19	0.46	0.15	36,36,39	0.0	0.0	0.0	0,0,0
849	0.19	0.45	0.15	36,36,39	0.0	0.0	0.0	0,0,0
850	0.19	0.44	0.15	36,36,39	0.0	0.0	0.0	0,0,0
851	0.19	0.45	0.15	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
852	0.13	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
853	0.13	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
854	0.13	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
855	0.13	0.31	0.10	36,36,39	0.0	0.0	0.0	0,0,0
856	0.14	0.32	0.11	36,36,39	0.0	0.0	0.0	0,0,0
857	0.14	0.34	0.11	36,36,39	0.0	0.0	0.0	0,0,0
858	0.15	0.35	0.12	36,36,39	0.0	0.0	0.0	0,0,0
859	0.15	0.37	0.12	36,36,39	0.0	0.0	0.0	0,0,0
860	0.16	0.38	0.12	36,36,39	0.0	0.0	0.0	0,0,0
861	0.16	0.38	0.12	36,36,39	0.0	0.0	0.0	0,0,0
862	0.16	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
863	0.16	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
864	0.16	0.39	0.13	36,36,39	0.0	0.0	0.0	0,0,0
865	0.16	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
866	0.16	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
867	0.16	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
868	0.16	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
869	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
870	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
871	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
872	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
873	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
874	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
875	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
876	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
877	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
878	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
879	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
880	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
881	0.17	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
882	0.16	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
883	0.16	0.39	0.13	36,36,39	0.0	0.0	0.0	0,0,0
884	0.16	0.39	0.13	36,36,39	0.0	0.0	0.0	0,0,0
885	0.16	0.38	0.13	36,36,39	0.0	0.0	0.0	0,0,0
886	0.16	0.38	0.13	36,36,39	0.0	0.0	0.0	0,0,0
887	0.16	0.38	0.13	36,36,39	0.0	0.0	0.0	0,0,0
888	0.17	0.38	0.13	36,36,39	0.0	0.0	0.0	0,0,0
889	0.11	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
890	0.11	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
891	0.10	0.23	0.08	36,36,39	0.0	0.0	0.0	0,0,0
892	0.11	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
893	0.11	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
894	0.12	0.28	0.09	36,36,39	0.0	0.0	0.0	0,0,0
895	0.13	0.30	0.10	36,36,39	0.0	0.0	0.0	0,0,0
896	0.13	0.31	0.10	36,36,39	0.0	0.0	0.0	0,0,0
897	0.14	0.32	0.10	36,36,39	0.0	0.0	0.0	0,0,0
898	0.14	0.32	0.10	36,36,39	0.0	0.0	0.0	0,0,0
899	0.14	0.33	0.10	36,36,39	0.0	0.0	0.0	0,0,0
900	0.14	0.33	0.10	36,36,39	0.0	0.0	0.0	0,0,0
901	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
902	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
903	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
904	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
905	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
906	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
907	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
908	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
909	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
910	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
911	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
912	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
913	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
914	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
915	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
916	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
917	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
918	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
919	0.14	0.33	0.11	36,36,39	0.0	0.0	0.0	0,0,0
920	0.14	0.32	0.11	36,36,39	0.0	0.0	0.0	0,0,0
921	0.14	0.32	0.11	36,36,39	0.0	0.0	0.0	0,0,0
922	0.14	0.32	0.11	36,36,39	0.0	0.0	0.0	0,0,0
923	0.14	0.31	0.11	36,36,39	0.0	0.0	0.0	0,0,0
924	0.14	0.32	0.11	36,36,39	0.0	0.0	0.0	0,0,0
925	0.14	0.32	0.11	36,36,39	0.0	0.0	0.0	0,0,0
926	0.09	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
927	0.09	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
928	0.08	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
929	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
930	0.09	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
931	0.11	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
932	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
933	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
934	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
935	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
936	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
937	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
938	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
939	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
940	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
941	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
942	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
943	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
944	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
945	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
946	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
947	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
948	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
949	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
950	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
951	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
952	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
953	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
954	0.12	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0
955	0.12	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
956	0.12	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
957	0.12	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
958	0.12	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
959	0.12	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
960	0.12	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
961	0.12	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
962	0.12	0.26	0.09	36,36,39	0.0	0.0	0.0	0,0,0
963	0.08	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
964	0.09	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
965	0.08	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
966	0.04	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
967	0.07	0.13	0.05	36,36,39	0.0	0.0	0.0	0,0,0
968	0.14	0.25	0.10	36,36,39	0.0	0.0	0.0	0,0,0
969	0.13	0.25	0.09	36,36,39	0.0	0.0	0.0	0,0,0
970	0.11	0.24	0.08	36,36,39	0.0	0.0	0.0	0,0,0
971	0.11	0.23	0.08	36,36,39	0.0	0.0	0.0	0,0,0
972	0.11	0.23	0.07	36,36,39	0.0	0.0	0.0	0,0,0
973	0.10	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
974	0.10	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
975	0.10	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
976	0.10	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
977	0.10	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
978	0.10	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
979	0.10	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
980	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
981	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
982	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
983	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
984	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
985	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
986	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
987	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
988	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
989	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
990	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
991	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
992	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
993	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
994	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
995	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
996	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
997	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
998	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
999	0.10	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
1000	0.08	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1001	0.13	0.27	0.09	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
1002	0.21	0.37	0.14	36,36,39	0.0	0.0	0.0	0,0,0
1003	0.11	0.22	0.08	36,36,39	0.0	0.0	0.0	0,0,0
1004	0.10	0.20	0.07	36,36,39	0.0	0.0	0.0	0,0,0
1005	0.09	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1006	0.09	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1007	0.09	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1008	0.09	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1009	0.08	0.18	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1010	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1011	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1012	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1013	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1014	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1015	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1016	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1017	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1018	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1019	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1020	0.08	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1021	0.08	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1022	0.08	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1023	0.08	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1024	0.08	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1025	0.08	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1026	0.08	0.16	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1027	0.08	0.16	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1028	0.08	0.16	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1029	0.08	0.16	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1030	0.08	0.16	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1031	0.08	0.16	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1032	0.08	0.16	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1033	0.07	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1034	0.08	0.15	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1035	0.10	0.18	0.07	36,36,39	0.0	0.0	0.0	0,0,0
1036	0.09	0.17	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1037	0.09	0.16	0.06	36,36,39	0.0	0.0	0.0	0,0,0
1038	0.08	0.15	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1039	0.08	0.15	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1040	0.07	0.15	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1041	0.07	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1042	0.07	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1043	0.07	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1044	0.07	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1045	0.07	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1046	0.07	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1047	0.07	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1048	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1049	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1050	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1051	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1052	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1053	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1054	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1055	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1056	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1057	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1058	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1059	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1060	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1061	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1062	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1063	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1064	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1065	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1066	0.06	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1067	0.06	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1068	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1069	0.08	0.14	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1070	0.07	0.13	0.05	36,36,39	0.0	0.0	0.0	0,0,0
1071	0.07	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1072	0.07	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1073	0.06	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1074	0.06	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1075	0.06	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1076	0.06	0.12	0.04	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
1077	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1078	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1079	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1080	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1081	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1082	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1083	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1084	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1085	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1086	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1087	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1088	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1089	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1090	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1091	0.06	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1092	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1093	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1094	0.06	0.10	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1095	0.06	0.10	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1096	0.06	0.10	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1097	0.06	0.10	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1098	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1099	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1100	0.04	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1101	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1102	0.01	0.02	7.29e-03	36,36,39	0.0	0.0	0.0	0,0,0
1103	6.08e-03	8.65e-03	3.79e-03	36,36,39	0.0	0.0	0.0	0,0,0
1104	2.16e-03	4.87e-03	2.00e-03	36,35,39	0.0	0.0	0.0	0,0,0
1105	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1106	0.04	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1107	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1108	0.01	0.02	7.34e-03	36,36,39	0.0	0.0	0.0	0,0,0
1109	6.16e-03	8.82e-03	3.84e-03	36,36,39	0.0	0.0	0.0	0,0,0
1110	2.18e-03	4.90e-03	2.00e-03	36,35,39	0.0	0.0	0.0	0,0,0
1111	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1112	0.04	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1113	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1114	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1115	7.99e-03	0.01	5.37e-03	36,36,39	0.0	0.0	0.0	0,0,0
1116	2.80e-03	7.40e-03	2.49e-03	36,36,39	0.0	0.0	0.0	0,0,0
1117	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1118	0.04	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1119	0.03	0.04	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1120	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1121	8.11e-03	0.01	5.58e-03	36,36,39	0.0	0.0	0.0	0,0,0
1122	3.43e-03	0.01	2.61e-03	36,36,39	0.0	0.0	0.0	0,0,0
1123	0.06	0.11	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1124	0.04	0.07	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1125	0.03	0.04	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1126	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1127	8.31e-03	0.01	5.80e-03	36,36,39	0.0	0.0	0.0	0,0,0
1128	5.36e-03	0.02	3.94e-03	36,36,39	0.0	0.0	0.0	0,0,0
1129	0.06	0.10	0.04	36,36,39	0.0	0.0	0.0	0,0,0
1130	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1131	0.03	0.04	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1132	0.02	0.02	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1133	8.39e-03	0.01	5.95e-03	36,36,39	0.0	0.0	0.0	0,0,0
1134	7.02e-03	0.02	5.14e-03	36,36,39	0.0	0.0	0.0	0,0,0
1135	0.06	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1136	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1137	0.03	0.04	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1138	0.02	0.02	9.97e-03	36,36,39	0.0	0.0	0.0	0,0,0
1139	8.41e-03	0.02	6.04e-03	36,36,39	0.0	0.0	0.0	0,0,0
1140	8.37e-03	0.02	6.14e-03	36,36,39	0.0	0.0	0.0	0,0,0
1141	0.05	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1142	0.04	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1143	0.02	0.04	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1144	0.02	0.02	9.81e-03	36,36,39	0.0	0.0	0.0	0,0,0
1145	8.52e-03	0.02	6.14e-03	36,36,39	0.0	0.0	0.0	0,0,0
1146	9.36e-03	0.02	6.90e-03	36,36,39	0.0	0.0	0.0	0,0,0
1147	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1148	0.04	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1149	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1150	0.01	0.02	9.64e-03	36,36,39	0.0	0.0	0.0	0,0,0
1151	9.07e-03	0.02	6.59e-03	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
1152	0.01	0.02	7.43e-03	36,36,39	0.0	0.0	0.0	0,0,0
1153	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1154	0.04	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1155	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1156	0.01	0.02	9.46e-03	36,36,39	0.0	0.0	0.0	0,0,0
1157	9.33e-03	0.02	6.83e-03	36,36,39	0.0	0.0	0.0	0,0,0
1158	0.01	0.02	7.73e-03	36,36,39	0.0	0.0	0.0	0,0,0
1159	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1160	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1161	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1162	0.01	0.02	9.29e-03	36,36,39	0.0	0.0	0.0	0,0,0
1163	9.36e-03	0.02	6.89e-03	36,36,39	0.0	0.0	0.0	0,0,0
1164	0.01	0.02	7.86e-03	36,36,39	0.0	0.0	0.0	0,0,0
1165	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1166	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1167	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1168	0.01	0.02	9.12e-03	36,36,39	0.0	0.0	0.0	0,0,0
1169	9.21e-03	0.01	6.82e-03	36,36,39	0.0	0.0	0.0	0,0,0
1170	0.01	0.02	7.86e-03	36,36,39	0.0	0.0	0.0	0,0,0
1171	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1172	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1173	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1174	0.01	0.02	8.95e-03	36,36,39	0.0	0.0	0.0	0,0,0
1175	8.94e-03	0.01	6.66e-03	36,36,39	0.0	0.0	0.0	0,0,0
1176	0.01	0.02	7.76e-03	36,36,39	0.0	0.0	0.0	0,0,0
1177	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1178	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1179	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1180	0.01	0.02	8.77e-03	36,36,39	0.0	0.0	0.0	0,0,0
1181	8.60e-03	0.01	6.45e-03	36,36,39	0.0	0.0	0.0	0,0,0
1182	9.74e-03	0.02	7.59e-03	36,36,39	0.0	0.0	0.0	0,0,0
1183	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1184	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1185	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1186	0.01	0.02	8.60e-03	36,36,39	0.0	0.0	0.0	0,0,0
1187	8.23e-03	0.01	6.21e-03	36,36,39	0.0	0.0	0.0	0,0,0
1188	9.36e-03	0.01	7.40e-03	36,36,39	0.0	0.0	0.0	0,0,0
1189	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1190	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1191	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1192	0.01	0.02	8.42e-03	36,36,39	0.0	0.0	0.0	0,0,0
1193	7.86e-03	9.90e-03	5.96e-03	36,36,39	0.0	0.0	0.0	0,0,0
1194	8.97e-03	0.01	7.19e-03	36,36,39	0.0	0.0	0.0	0,0,0
1195	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1196	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1197	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1198	0.01	0.02	8.24e-03	36,36,39	0.0	0.0	0.0	0,0,0
1199	7.53e-03	9.66e-03	5.74e-03	36,36,39	0.0	0.0	0.0	0,0,0
1200	8.60e-03	0.01	6.99e-03	36,36,39	0.0	0.0	0.0	0,0,0
1201	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1202	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1203	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1204	0.01	0.02	8.05e-03	36,36,39	0.0	0.0	0.0	0,0,0
1205	7.25e-03	9.41e-03	5.55e-03	36,36,39	0.0	0.0	0.0	0,0,0
1206	8.27e-03	0.01	6.82e-03	36,36,39	0.0	0.0	0.0	0,0,0
1207	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1208	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1209	0.02	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1210	0.01	0.02	7.86e-03	36,36,39	0.0	0.0	0.0	0,0,0
1211	7.04e-03	9.16e-03	5.41e-03	36,36,39	0.0	0.0	0.0	0,0,0
1212	8.02e-03	0.01	6.68e-03	36,36,39	0.0	0.0	0.0	0,0,0
1213	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1214	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1215	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1216	0.01	0.02	7.66e-03	36,36,39	0.0	0.0	0.0	0,0,0
1217	6.94e-03	8.92e-03	5.33e-03	36,36,39	0.0	0.0	0.0	0,0,0
1218	7.85e-03	0.01	6.59e-03	36,36,39	0.0	0.0	0.0	0,0,0
1219	0.05	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1220	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1221	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1222	0.01	0.02	7.48e-03	36,36,39	0.0	0.0	0.0	0,0,0
1223	6.94e-03	8.68e-03	5.37e-03	36,36,39	0.0	0.0	0.0	0,0,0
1224	7.78e-03	0.01	6.57e-03	36,36,39	0.0	0.0	0.0	0,0,0
1225	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1226	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
1227	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1228	0.01	0.02	7.31e-03	36,36,39	0.0	0.0	0.0	0,0,0
1229	7.06e-03	8.45e-03	5.51e-03	36,36,39	0.0	0.0	0.0	0,0,0
1230	7.82e-03	0.01	6.61e-03	36,36,39	0.0	0.0	0.0	0,0,0
1231	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1232	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1233	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1234	0.01	0.02	7.16e-03	36,36,39	0.0	0.0	0.0	0,0,0
1235	7.29e-03	9.11e-03	5.70e-03	36,36,39	0.0	0.0	0.0	0,0,0
1236	7.98e-03	0.01	6.71e-03	36,36,39	0.0	0.0	0.0	0,0,0
1237	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1238	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1239	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1240	0.01	0.02	7.05e-03	36,36,39	0.0	0.0	0.0	0,0,0
1241	7.61e-03	0.01	5.95e-03	36,36,39	0.0	0.0	0.0	0,0,0
1242	8.22e-03	0.01	6.85e-03	36,36,39	0.0	0.0	0.0	0,0,0
1243	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1244	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1245	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1246	0.01	0.02	6.97e-03	36,36,39	0.0	0.0	0.0	0,0,0
1247	7.95e-03	0.01	6.21e-03	36,36,39	0.0	0.0	0.0	0,0,0
1248	8.50e-03	0.02	7.01e-03	36,36,39	0.0	0.0	0.0	0,0,0
1249	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1250	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1251	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1252	0.01	0.02	6.95e-03	36,36,39	0.0	0.0	0.0	0,0,0
1253	8.26e-03	0.02	6.41e-03	36,36,39	0.0	0.0	0.0	0,0,0
1254	8.75e-03	0.02	7.15e-03	36,36,39	0.0	0.0	0.0	0,0,0
1255	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1256	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1257	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1258	0.01	0.02	6.98e-03	36,36,39	0.0	0.0	0.0	0,0,0
1259	8.44e-03	0.02	6.52e-03	36,36,39	0.0	0.0	0.0	0,0,0
1260	8.89e-03	0.02	7.20e-03	36,36,39	0.0	0.0	0.0	0,0,0
1261	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1262	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1263	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1264	0.01	0.02	7.05e-03	36,36,39	0.0	0.0	0.0	0,0,0
1265	8.38e-03	0.02	6.44e-03	36,36,39	0.0	0.0	0.0	0,0,0
1266	8.81e-03	0.02	7.09e-03	36,36,39	0.0	0.0	0.0	0,0,0
1267	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1268	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1269	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1270	0.01	0.02	7.15e-03	36,36,39	0.0	0.0	0.0	0,0,0
1271	8.06e-03	0.02	6.10e-03	36,36,39	0.0	0.0	0.0	0,0,0
1272	8.70e-03	0.02	6.73e-03	36,36,39	0.0	0.0	0.0	0,0,0
1273	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1274	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1275	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1276	0.01	0.02	7.28e-03	36,36,39	0.0	0.0	0.0	0,0,0
1277	7.63e-03	0.02	5.53e-03	36,36,39	0.0	0.0	0.0	0,0,0
1278	8.25e-03	0.02	6.16e-03	36,36,39	0.0	0.0	0.0	0,0,0
1279	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1280	0.03	0.05	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1281	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1282	0.01	0.02	7.43e-03	36,36,39	0.0	0.0	0.0	0,0,0
1283	6.64e-03	0.02	4.77e-03	36,36,39	0.0	0.0	0.0	0,0,0
1284	7.22e-03	0.02	5.37e-03	36,36,39	0.0	0.0	0.0	0,0,0
1285	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1286	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1287	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1288	0.01	0.02	7.56e-03	36,36,39	0.0	0.0	0.0	0,0,0
1289	6.15e-03	0.01	4.27e-03	36,36,39	0.0	0.0	0.0	0,0,0
1290	5.36e-03	0.02	4.01e-03	36,36,39	0.0	0.0	0.0	0,0,0
1291	0.05	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
1292	0.03	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
1293	0.02	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
1294	0.01	0.02	6.74e-03	36,36,39	0.0	0.0	0.0	0,0,0
1295	5.44e-03	9.34e-03	3.58e-03	36,36,39	0.0	0.0	0.0	0,0,0
1296	2.62e-03	8.60e-03	2.24e-03	36,36,39	0.0	0.0	0.0	0,0,0
Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.30	0.75	0.26		0.29	0.28	0.0	

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	3.08e-03	0.02	2.73e-03	36,36,39	0.0	0.0	0.0	0,0,0
2	5.94e-03	0.02	5.29e-03	36,36,39	0.0	0.0	0.0	0,0,0
3	8.99e-03	0.03	7.86e-03	36,36,39	0.0	0.0	0.0	0,0,0
4	9.57e-03	0.04	8.39e-03	36,36,39	0.0	0.0	0.0	0,0,0
5	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
6	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
7	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
8	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
9	0.04	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
10	0.04	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
11	0.06	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
12	0.06	0.17	0.05	36,36,39	0.0	0.0	0.0	0,0,0
13	0.08	0.21	0.07	36,36,39	0.0	0.0	0.0	0,0,0
14	0.08	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
15	0.10	0.26	0.08	36,36,39	0.0	0.0	0.0	0,0,0
16	0.10	0.26	0.08	36,36,39	0.0	0.0	0.0	0,0,0
17	0.12	0.31	0.10	36,36,39	0.0	0.0	0.0	0,0,0
18	0.12	0.31	0.10	36,36,39	0.0	0.0	0.0	0,0,0
19	0.13	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
20	0.13	0.36	0.12	36,36,39	0.0	0.0	0.0	0,0,0
21	0.15	0.40	0.14	36,36,39	0.0	0.0	0.0	0,0,0
22	0.15	0.41	0.14	36,36,39	0.0	0.0	0.0	0,0,0
23	0.17	0.44	0.15	36,36,39	0.0	0.0	0.0	0,0,0
24	0.17	0.46	0.15	36,36,39	0.0	0.0	0.0	0,0,0
25	0.18	0.47	0.16	36,36,39	0.0	0.0	0.0	0,0,0
26	0.18	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
27	0.18	0.48	0.16	36,36,39	0.0	0.0	0.0	0,0,0
28	0.18	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
29	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
30	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
31	0.02	0.17	0.02	36,36,39	0.0	0.0	0.0	0,0,0
32	0.03	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
33	9.53e-03	0.05	7.95e-03	36,36,39	0.0	0.0	0.0	0,0,0
34	0.01	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
35	4.66e-03	0.03	3.74e-03	36,36,39	0.0	0.0	0.0	0,0,0
36	7.66e-03	0.04	6.05e-03	36,36,39	0.0	0.0	0.0	0,0,0
37	2.31e-03	0.02	2.18e-03	36,36,39	0.0	0.0	0.0	0,0,0
38	3.65e-03	0.04	3.04e-03	36,36,39	0.0	0.0	0.0	0,0,0
39	8.60e-03	0.03	7.66e-03	36,36,39	0.0	0.0	0.0	0,0,0
40	0.01	0.04	9.47e-03	36,36,39	0.0	0.0	0.0	0,0,0
41	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
42	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
43	9.58e-03	0.04	8.42e-03	36,36,39	0.0	0.0	0.0	0,0,0
44	9.48e-03	0.04	8.41e-03	36,36,39	0.0	0.0	0.0	0,0,0
45	0.01	0.04	9.22e-03	36,36,39	0.0	0.0	0.0	0,0,0
46	0.01	0.04	9.61e-03	36,36,39	0.0	0.0	0.0	0,0,0
47	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
48	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
49	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
50	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
51	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
52	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
53	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
54	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
55	0.04	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
56	0.04	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
57	0.04	0.13	0.04	36,36,39	0.0	0.0	0.0	0,0,0
58	0.04	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
59	0.06	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
60	0.06	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
61	0.06	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
62	0.06	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
63	0.08	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
64	0.08	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
65	0.08	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
66	0.08	0.22	0.07	36,36,39	0.0	0.0	0.0	0,0,0
67	0.10	0.27	0.08	36,36,39	0.0	0.0	0.0	0,0,0
68	0.09	0.27	0.08	36,36,39	0.0	0.0	0.0	0,0,0
69	0.09	0.27	0.08	36,36,39	0.0	0.0	0.0	0,0,0
70	0.09	0.27	0.08	36,36,39	0.0	0.0	0.0	0,0,0
71	0.11	0.32	0.10	36,36,39	0.0	0.0	0.0	0,0,0
72	0.11	0.32	0.10	36,36,39	0.0	0.0	0.0	0,0,0
73	0.11	0.32	0.10	36,36,39	0.0	0.0	0.0	0,0,0
74	0.11	0.32	0.10	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
75	0.13	0.37	0.12	36,36,39	0.0	0.0	0.0	0,0,0
76	0.13	0.37	0.12	36,36,39	0.0	0.0	0.0	0,0,0
77	0.13	0.37	0.12	36,36,39	0.0	0.0	0.0	0,0,0
78	0.13	0.38	0.12	36,36,39	0.0	0.0	0.0	0,0,0
79	0.15	0.42	0.13	36,36,39	0.0	0.0	0.0	0,0,0
80	0.15	0.42	0.13	36,36,39	0.0	0.0	0.0	0,0,0
81	0.15	0.43	0.13	36,36,39	0.0	0.0	0.0	0,0,0
82	0.15	0.43	0.13	36,36,39	0.0	0.0	0.0	0,0,0
83	0.17	0.46	0.15	36,36,39	0.0	0.0	0.0	0,0,0
84	0.17	0.47	0.15	36,36,39	0.0	0.0	0.0	0,0,0
85	0.17	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
86	0.17	0.48	0.15	36,36,39	0.0	0.0	0.0	0,0,0
87	0.18	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
88	0.18	0.51	0.16	36,36,39	0.0	0.0	0.0	0,0,0
89	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
90	0.19	0.53	0.17	36,36,39	0.18	0.0	0.0	36,0,0
91	0.19	0.52	0.16	36,36,39	0.18	0.0	0.0	36,0,0
92	0.19	0.54	0.17	36,36,39	0.19	0.0	0.0	36,0,0
93	0.19	0.55	0.17	36,36,39	0.19	0.0	0.0	36,0,0
94	0.20	0.56	0.17	36,36,39	0.19	0.0	0.0	36,0,0
95	0.19	0.54	0.17	36,36,39	0.19	0.0	0.0	36,0,0
96	0.19	0.55	0.17	36,36,39	0.19	0.0	0.0	36,0,0
97	0.20	0.57	0.17	36,36,39	0.20	0.0	0.0	36,0,0
98	0.20	0.58	0.17	36,36,39	0.20	0.0	0.0	36,0,0
99	0.03	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
100	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
101	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
102	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
103	0.02	0.06	0.01	36,36,39	0.0	0.0	0.0	0,0,0
104	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
105	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
106	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
107	0.01	0.05	8.36e-03	36,36,39	0.0	0.0	0.0	0,0,0
108	0.01	0.06	0.01	36,36,39	0.0	0.0	0.0	0,0,0
109	0.01	0.06	0.01	36,36,39	0.0	0.0	0.0	0,0,0
110	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
111	5.80e-03	0.05	4.68e-03	36,36,39	0.0	0.0	0.0	0,0,0
112	7.49e-03	0.05	6.01e-03	36,36,39	0.0	0.0	0.0	0,0,0
113	8.57e-03	0.07	6.84e-03	36,36,39	0.0	0.0	0.0	0,0,0
114	9.12e-03	0.07	7.22e-03	36,36,39	0.0	0.0	0.0	0,0,0
115	0.01	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
116	0.01	0.03	0.01	36,36,39	0.0	0.0	0.0	0,0,0
117	0.01	0.02	9.25e-03	36,36,39	0.0	0.0	0.0	0,0,0
118	8.77e-03	0.01	8.23e-03	36,36,39	0.0	0.0	0.0	0,0,0
119	7.40e-03	0.01	7.11e-03	36,36,39	0.0	0.0	0.0	0,0,0
120	6.16e-03	0.01	6.02e-03	36,36,39	0.0	0.0	0.0	0,0,0
121	5.24e-03	0.01	5.16e-03	36,36,39	0.0	0.0	0.0	0,0,0
122	4.59e-03	0.01	4.50e-03	36,36,39	0.0	0.0	0.0	0,0,0
123	4.87e-03	0.01	4.36e-03	36,36,39	0.0	0.0	0.0	0,0,0
124	5.33e-03	0.01	4.78e-03	36,36,39	0.0	0.0	0.0	0,0,0
125	5.84e-03	0.01	5.22e-03	36,36,39	0.0	0.0	0.0	0,0,0
126	6.27e-03	0.02	5.60e-03	36,36,39	0.0	0.0	0.0	0,0,0
127	6.63e-03	0.02	5.92e-03	36,36,39	0.0	0.0	0.0	0,0,0
128	6.91e-03	0.02	6.17e-03	36,36,39	0.0	0.0	0.0	0,0,0
129	7.11e-03	0.02	6.36e-03	36,36,39	0.0	0.0	0.0	0,0,0
130	7.24e-03	0.02	6.49e-03	36,36,39	0.0	0.0	0.0	0,0,0
131	7.29e-03	0.02	6.54e-03	36,36,39	0.0	0.0	0.0	0,0,0
132	7.26e-03	0.02	6.53e-03	36,36,39	0.0	0.0	0.0	0,0,0
133	7.14e-03	0.02	6.44e-03	36,36,39	0.0	0.0	0.0	0,0,0
134	6.95e-03	0.02	6.29e-03	36,36,39	0.0	0.0	0.0	0,0,0
135	6.67e-03	0.02	6.06e-03	36,36,39	0.0	0.0	0.0	0,0,0
136	6.31e-03	0.02	5.76e-03	36,36,39	0.0	0.0	0.0	0,0,0
137	5.86e-03	0.02	5.38e-03	36,36,39	0.0	0.0	0.0	0,0,0
138	5.49e-03	0.01	4.97e-03	36,36,39	0.0	0.0	0.0	0,0,0
139	5.46e-03	0.01	5.03e-03	36,36,39	0.0	0.0	0.0	0,0,0
140	6.23e-03	0.01	5.48e-03	36,36,39	0.0	0.0	0.0	0,0,0
141	6.62e-03	0.02	5.73e-03	36,36,39	0.0	0.0	0.0	0,0,0
142	6.75e-03	0.02	5.84e-03	36,36,39	0.0	0.0	0.0	0,0,0
143	6.21e-03	0.02	5.37e-03	36,36,39	0.0	0.0	0.0	0,0,0
144	4.65e-03	0.01	4.05e-03	36,36,39	0.0	0.0	0.0	0,0,0
145	3.58e-03	0.02	3.15e-03	36,36,39	0.0	0.0	0.0	0,0,0
146	0.01	0.04	9.73e-03	36,36,39	0.0	0.0	0.0	0,0,0
147	0.01	0.04	9.33e-03	36,36,39	0.0	0.0	0.0	0,0,0
148	9.31e-03	0.04	8.54e-03	36,36,39	0.0	0.0	0.0	0,0,0
149	9.14e-03	0.04	8.02e-03	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
150	9.30e-03	0.04	8.19e-03	36,36,39	0.0	0.0	0.0	0,0,0
151	9.53e-03	0.04	8.38e-03	36,36,39	0.0	0.0	0.0	0,0,0
152	9.85e-03	0.04	8.71e-03	36,36,39	0.0	0.0	0.0	0,0,0
153	0.01	0.04	9.17e-03	36,36,39	0.0	0.0	0.0	0,0,0
154	0.01	0.04	9.61e-03	36,36,39	0.0	0.0	0.0	0,0,0
155	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
156	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
157	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
158	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
159	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
160	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
161	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
162	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
163	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
164	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
165	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
166	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
167	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
168	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
169	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
170	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
171	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
172	0.01	0.04	0.01	36,36,39	0.0	0.0	0.0	0,0,0
173	0.01	0.04	9.87e-03	36,36,39	0.0	0.0	0.0	0,0,0
174	0.01	0.04	9.54e-03	36,36,39	0.0	0.0	0.0	0,0,0
175	0.01	0.04	9.34e-03	36,36,39	0.0	0.0	0.0	0,0,0
176	0.01	0.04	9.43e-03	36,36,39	0.0	0.0	0.0	0,0,0
177	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
178	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
179	0.02	0.06	0.02	36,36,39	0.0	0.0	0.0	0,0,0
180	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
181	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
182	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
183	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
184	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
185	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
186	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
187	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
188	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
189	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
190	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
191	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
192	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
193	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
194	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
195	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
196	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
197	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
198	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
199	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
200	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
201	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
202	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
203	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
204	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
205	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
206	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
207	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
208	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
209	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
210	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
211	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
212	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
213	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
214	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
215	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
216	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
217	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
218	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
219	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
220	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
221	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
222	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
223	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
224	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
225	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
226	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
227	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
228	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
229	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
230	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
231	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
232	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
233	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
234	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
235	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
236	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
237	0.03	0.11	0.03	36,36,39	0.0	0.0	0.0	0,0,0
238	0.03	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
239	0.04	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
240	0.04	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
241	0.04	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
242	0.04	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
243	0.04	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
244	0.04	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
245	0.04	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
246	0.04	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
247	0.05	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
248	0.05	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
249	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
250	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
251	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
252	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
253	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
254	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
255	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
256	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
257	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
258	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
259	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
260	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
261	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
262	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
263	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
264	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
265	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
266	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
267	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
268	0.05	0.15	0.04	36,36,39	0.0	0.0	0.0	0,0,0
269	0.05	0.14	0.04	36,36,39	0.0	0.0	0.0	0,0,0
270	0.06	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
271	0.06	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
272	0.06	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
273	0.06	0.18	0.05	36,36,39	0.0	0.0	0.0	0,0,0
274	0.06	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
275	0.06	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
276	0.06	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
277	0.06	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
278	0.06	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
279	0.06	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
280	0.06	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
281	0.06	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
282	0.06	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
283	0.06	0.19	0.05	36,36,39	0.0	0.0	0.0	0,0,0
284	0.06	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
285	0.06	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
286	0.06	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
287	0.06	0.20	0.06	36,36,39	0.0	0.0	0.0	0,0,0
288	0.06	0.20	0.06	36,36,39	0.0	0.0	0.0	0,0,0
289	0.06	0.20	0.06	36,36,39	0.0	0.0	0.0	0,0,0
290	0.06	0.20	0.06	36,36,39	0.0	0.0	0.0	0,0,0
291	0.06	0.20	0.06	36,36,39	0.0	0.0	0.0	0,0,0
292	0.06	0.20	0.06	36,36,39	0.0	0.0	0.0	0,0,0
293	0.06	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
294	0.06	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
295	0.06	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
296	0.07	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
297	0.07	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
298	0.07	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
299	0.07	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
300	0.07	0.19	0.06	36,36,39	0.0	0.0	0.0	0,0,0
301	0.08	0.23	0.07	36,36,39	0.0	0.0	0.0	0,0,0
302	0.08	0.23	0.07	36,36,39	0.0	0.0	0.0	0,0,0
303	0.08	0.23	0.07	36,36,39	0.0	0.0	0.0	0,0,0
304	0.08	0.23	0.07	36,36,39	0.0	0.0	0.0	0,0,0
305	0.08	0.23	0.07	36,36,39	0.0	0.0	0.0	0,0,0
306	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
307	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
308	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
309	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
310	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
311	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
312	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
313	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
314	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
315	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
316	0.08	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
317	0.08	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
318	0.08	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
319	0.08	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
320	0.08	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
321	0.08	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
322	0.08	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
323	0.08	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
324	0.08	0.25	0.07	36,36,39	0.0	0.0	0.0	0,0,0
325	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
326	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
327	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
328	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
329	0.08	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
330	0.09	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
331	0.09	0.24	0.07	36,36,39	0.0	0.0	0.0	0,0,0
332	0.09	0.28	0.08	36,36,39	0.0	0.0	0.0	0,0,0
333	0.09	0.28	0.08	36,36,39	0.0	0.0	0.0	0,0,0
334	0.09	0.28	0.08	36,36,39	0.0	0.0	0.0	0,0,0
335	0.10	0.28	0.08	36,36,39	0.0	0.0	0.0	0,0,0
336	0.10	0.28	0.08	36,36,39	0.0	0.0	0.0	0,0,0
337	0.10	0.29	0.08	36,36,39	0.0	0.0	0.0	0,0,0
338	0.10	0.29	0.09	36,36,39	0.0	0.0	0.0	0,0,0
339	0.10	0.29	0.09	36,36,39	0.0	0.0	0.0	0,0,0
340	0.10	0.29	0.09	36,36,39	0.0	0.0	0.0	0,0,0
341	0.10	0.29	0.09	36,36,39	0.0	0.0	0.0	0,0,0
342	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
343	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
344	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
345	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
346	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
347	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
348	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
349	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
350	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
351	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
352	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
353	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
354	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
355	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
356	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
357	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
358	0.10	0.30	0.09	36,36,39	0.0	0.0	0.0	0,0,0
359	0.10	0.29	0.09	36,36,39	0.0	0.0	0.0	0,0,0
360	0.10	0.29	0.09	36,36,39	0.0	0.0	0.0	0,0,0
361	0.11	0.29	0.09	36,36,39	0.0	0.0	0.0	0,0,0
362	0.11	0.29	0.09	36,36,39	0.0	0.0	0.0	0,0,0
363	0.11	0.33	0.10	36,36,39	0.0	0.0	0.0	0,0,0
364	0.11	0.33	0.10	36,36,39	0.0	0.0	0.0	0,0,0
365	0.11	0.33	0.10	36,36,39	0.0	0.0	0.0	0,0,0
366	0.12	0.34	0.10	36,36,39	0.0	0.0	0.0	0,0,0
367	0.12	0.34	0.10	36,36,39	0.0	0.0	0.0	0,0,0
368	0.12	0.34	0.10	36,36,39	0.0	0.0	0.0	0,0,0
369	0.12	0.34	0.10	36,36,39	0.0	0.0	0.0	0,0,0
370	0.12	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
371	0.12	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
372	0.12	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
373	0.12	0.35	0.10	36,36,39	0.0	0.0	0.0	0,0,0
374	0.12	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
375	0.12	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0
376	0.12	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0
377	0.12	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0
378	0.12	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
379	0.12	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
380	0.12	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
381	0.12	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
382	0.12	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
383	0.12	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
384	0.12	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
385	0.12	0.36	0.11	36,36,39	0.0	0.0	0.0	0,0,0
386	0.12	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0
387	0.12	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0
388	0.12	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0
389	0.12	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0
390	0.12	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0
391	0.12	0.35	0.11	36,36,39	0.0	0.0	0.0	0,0,0
392	0.13	0.34	0.11	36,36,39	0.0	0.0	0.0	0,0,0
393	0.13	0.34	0.11	36,36,39	0.0	0.0	0.0	0,0,0
394	0.13	0.38	0.12	36,36,39	0.0	0.0	0.0	0,0,0
395	0.13	0.38	0.12	36,36,39	0.0	0.0	0.0	0,0,0
396	0.13	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
397	0.14	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
398	0.14	0.39	0.12	36,36,39	0.0	0.0	0.0	0,0,0
399	0.14	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
400	0.14	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
401	0.14	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
402	0.14	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
403	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
404	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
405	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
406	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
407	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
408	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
409	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
410	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
411	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
412	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
413	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
414	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
415	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
416	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
417	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
418	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
419	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
420	0.14	0.41	0.12	36,36,39	0.0	0.0	0.0	0,0,0
421	0.14	0.40	0.12	36,36,39	0.0	0.0	0.0	0,0,0
422	0.14	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
423	0.15	0.40	0.13	36,36,39	0.0	0.0	0.0	0,0,0
424	0.15	0.39	0.13	36,36,39	0.0	0.0	0.0	0,0,0
425	0.15	0.43	0.13	36,36,39	0.0	0.0	0.0	0,0,0
426	0.15	0.44	0.14	36,36,39	0.0	0.0	0.0	0,0,0
427	0.15	0.44	0.14	36,36,39	0.0	0.0	0.0	0,0,0
428	0.16	0.45	0.14	36,36,39	0.0	0.0	0.0	0,0,0
429	0.16	0.45	0.14	36,36,39	0.0	0.0	0.0	0,0,0
430	0.16	0.45	0.14	36,36,39	0.0	0.0	0.0	0,0,0
431	0.16	0.46	0.14	36,36,39	0.0	0.0	0.0	0,0,0
432	0.16	0.46	0.14	36,36,39	0.0	0.0	0.0	0,0,0
433	0.16	0.46	0.14	36,36,39	0.0	0.0	0.0	0,0,0
434	0.16	0.46	0.14	36,36,39	0.0	0.0	0.0	0,0,0
435	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
436	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
437	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
438	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
439	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
440	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
441	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
442	0.17	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
443	0.17	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
444	0.17	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
445	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
446	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
447	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
448	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
449	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
450	0.16	0.47	0.14	36,36,39	0.0	0.0	0.0	0,0,0
451	0.16	0.46	0.14	36,36,39	0.0	0.0	0.0	0,0,0
452	0.16	0.46	0.14	36,36,39	0.0	0.0	0.0	0,0,0
453	0.16	0.46	0.14	36,36,39	0.0	0.0	0.0	0,0,0
454	0.16	0.45	0.14	36,36,39	0.0	0.0	0.0	0,0,0
455	0.16	0.44	0.14	36,36,39	0.0	0.0	0.0	0,0,0
456	0.17	0.49	0.15	36,36,39	0.0	0.0	0.0	0,0,0
457	0.17	0.49	0.15	36,36,39	0.0	0.0	0.0	0,0,0
458	0.18	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
459	0.18	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
460	0.18	0.51	0.16	36,36,39	0.0	0.0	0.0	0,0,0
461	0.18	0.51	0.16	36,36,39	0.0	0.0	0.0	0,0,0
462	0.18	0.51	0.16	36,36,39	0.0	0.0	0.0	0,0,0
463	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
464	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
465	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
466	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
467	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
468	0.19	0.53	0.16	36,36,39	0.0	0.0	0.0	0,0,0
469	0.19	0.53	0.16	36,36,39	0.0	0.0	0.0	0,0,0
470	0.19	0.53	0.16	36,36,39	0.18	0.0	0.0	36,0,0
471	0.19	0.53	0.16	36,36,39	0.18	0.0	0.0	36,0,0
472	0.19	0.53	0.16	36,36,39	0.18	0.0	0.0	36,0,0
473	0.19	0.53	0.16	36,36,39	0.18	0.0	0.0	36,0,0
474	0.19	0.53	0.16	36,36,39	0.18	0.0	0.0	36,0,0
475	0.19	0.53	0.16	36,36,39	0.18	0.0	0.0	36,0,0
476	0.19	0.53	0.16	36,36,39	0.18	0.0	0.0	36,0,0
477	0.19	0.53	0.16	36,36,39	0.18	0.0	0.0	36,0,0
478	0.19	0.53	0.16	36,36,39	0.18	0.0	0.0	36,0,0
479	0.19	0.53	0.16	36,36,39	0.18	0.0	0.0	36,0,0
480	0.18	0.53	0.16	36,36,39	0.0	0.0	0.0	0,0,0
481	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
482	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
483	0.18	0.52	0.16	36,36,39	0.0	0.0	0.0	0,0,0
484	0.18	0.51	0.16	36,36,39	0.0	0.0	0.0	0,0,0
485	0.18	0.50	0.16	36,36,39	0.0	0.0	0.0	0,0,0
486	0.18	0.49	0.16	36,36,39	0.0	0.0	0.0	0,0,0
487	0.19	0.54	0.17	36,36,39	0.18	0.0	0.0	36,0,0
488	0.19	0.54	0.17	36,36,39	0.19	0.0	0.0	36,0,0
489	0.19	0.55	0.17	36,36,39	0.19	0.0	0.0	36,0,0
490	0.19	0.55	0.17	36,36,39	0.19	0.0	0.0	36,0,0
491	0.20	0.55	0.17	36,36,39	0.19	0.0	0.0	36,0,0
492	0.20	0.56	0.17	36,36,39	0.20	0.0	0.0	36,0,0
493	0.20	0.56	0.17	36,36,39	0.20	0.0	0.0	36,0,0
494	0.20	0.56	0.17	36,36,39	0.20	0.0	0.0	36,0,0
495	0.20	0.57	0.18	36,36,39	0.20	0.0	0.0	36,0,0
496	0.20	0.57	0.18	36,36,39	0.20	0.0	0.0	36,0,0
497	0.20	0.57	0.18	36,36,39	0.20	0.0	0.0	36,0,0
498	0.20	0.57	0.18	36,36,39	0.20	0.0	0.0	36,0,0
499	0.20	0.57	0.18	36,36,39	0.20	0.0	0.0	36,0,0
500	0.20	0.58	0.18	36,36,39	0.20	0.0	0.0	36,0,0
501	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
502	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
503	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
504	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
505	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
506	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
507	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
508	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
509	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
510	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
511	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
512	0.20	0.57	0.18	36,36,39	0.20	0.0	0.0	36,0,0
513	0.20	0.57	0.17	36,36,39	0.20	0.0	0.0	36,0,0
514	0.20	0.56	0.17	36,36,39	0.20	0.0	0.0	36,0,0
515	0.20	0.56	0.17	36,36,39	0.19	0.0	0.0	36,0,0
516	0.19	0.55	0.17	36,36,39	0.19	0.0	0.0	36,0,0
517	0.19	0.53	0.17	36,36,39	0.18	0.0	0.0	36,0,0
518	0.20	0.57	0.17	36,36,39	0.20	0.0	0.0	36,0,0
519	0.20	0.57	0.18	36,36,39	0.20	0.0	0.0	36,0,0
520	0.20	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
521	0.21	0.58	0.18	36,36,39	0.20	0.21	0.0	36,38,0
522	0.21	0.59	0.18	36,36,39	0.21	0.21	0.0	36,38,0
523	0.21	0.59	0.18	36,36,39	0.21	0.22	0.0	36,38,0
524	0.21	0.59	0.18	36,36,39	0.21	0.22	0.0	36,38,0

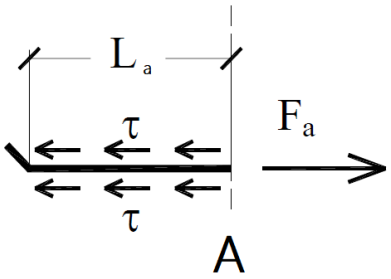
Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
525	0.21	0.60	0.18	36,36,39	0.21	0.22	0.0	36,38,0
526	0.21	0.60	0.18	36,36,39	0.21	0.22	0.0	36,38,0
527	0.21	0.60	0.18	36,36,39	0.21	0.22	0.0	36,38,0
528	0.21	0.60	0.18	36,36,39	0.21	0.22	0.0	36,38,0
529	0.21	0.60	0.18	36,36,39	0.21	0.22	0.0	36,38,0
530	0.21	0.61	0.18	36,36,39	0.21	0.22	0.0	36,38,0
531	0.21	0.61	0.18	36,36,39	0.21	0.22	0.0	36,38,0
532	0.21	0.61	0.18	36,36,39	0.21	0.22	0.0	36,38,0
533	0.21	0.61	0.18	36,36,39	0.21	0.22	0.0	36,38,0
534	0.22	0.61	0.18	36,36,39	0.21	0.22	0.0	36,38,0
535	0.22	0.61	0.18	36,36,39	0.21	0.23	0.0	36,38,0
536	0.22	0.61	0.18	36,36,39	0.21	0.23	0.0	36,38,0
537	0.22	0.61	0.18	36,36,39	0.21	0.23	0.0	36,38,0
538	0.22	0.61	0.18	36,36,39	0.21	0.23	0.0	36,38,0
539	0.22	0.61	0.18	36,36,39	0.21	0.23	0.0	36,38,0
540	0.22	0.61	0.18	36,36,39	0.21	0.23	0.0	36,38,0
541	0.22	0.61	0.18	36,36,39	0.21	0.23	0.0	36,38,0
542	0.21	0.61	0.18	36,36,39	0.21	0.23	0.0	36,38,0
543	0.21	0.61	0.18	36,36,39	0.21	0.22	0.0	36,38,0
544	0.21	0.60	0.18	36,36,39	0.21	0.22	0.0	36,38,0
545	0.21	0.60	0.18	36,36,39	0.21	0.22	0.0	36,38,0
546	0.20	0.58	0.17	36,36,39	0.20	0.21	0.0	36,38,0
547	0.20	0.57	0.17	36,36,39	0.20	0.0	0.0	36,0,0
548	0.20	0.55	0.17	36,36,39	0.19	0.0	0.0	36,0,0
549	0.20	0.59	0.18	36,36,39	0.21	0.21	0.0	36,38,0
550	0.21	0.59	0.18	36,36,39	0.21	0.22	0.0	36,38,0
551	0.21	0.60	0.18	36,36,39	0.21	0.22	0.0	36,38,0
552	0.21	0.60	0.18	36,36,39	0.21	0.22	0.0	36,38,0
553	0.21	0.61	0.18	36,36,39	0.21	0.22	0.0	36,38,0
554	0.21	0.61	0.18	36,36,39	0.21	0.22	0.0	36,38,0
555	0.21	0.61	0.18	36,36,39	0.21	0.23	0.0	36,38,0
556	0.21	0.61	0.18	36,36,39	0.21	0.23	0.0	36,38,0
557	0.21	0.62	0.18	36,36,39	0.22	0.23	0.0	36,38,0
558	0.22	0.62	0.18	36,36,39	0.22	0.23	0.0	36,38,0
559	0.22	0.62	0.18	36,36,39	0.22	0.23	0.0	36,38,0
560	0.22	0.62	0.18	36,36,39	0.22	0.23	0.0	36,38,0
561	0.22	0.62	0.18	36,36,39	0.22	0.23	0.0	36,38,0
562	0.22	0.62	0.18	36,36,39	0.22	0.23	0.0	36,38,0
563	0.22	0.62	0.19	36,36,39	0.22	0.23	0.0	36,38,0
564	0.22	0.63	0.19	36,36,39	0.22	0.23	0.0	36,38,0
565	0.22	0.63	0.19	36,36,39	0.22	0.23	0.0	36,38,0
566	0.22	0.63	0.19	36,36,39	0.22	0.23	0.0	36,38,0
567	0.22	0.63	0.19	36,36,39	0.22	0.23	0.0	36,38,0
568	0.22	0.63	0.19	36,36,39	0.22	0.23	0.0	36,38,0
569	0.22	0.63	0.19	36,36,39	0.22	0.23	0.0	36,38,0
570	0.22	0.63	0.19	36,36,39	0.22	0.24	0.0	36,38,0
571	0.22	0.63	0.19	36,36,39	0.22	0.24	0.0	36,38,0
572	0.22	0.63	0.19	36,36,39	0.22	0.23	0.0	36,38,0
573	0.22	0.63	0.19	36,36,39	0.22	0.23	0.0	36,38,0
574	0.22	0.63	0.18	36,36,39	0.22	0.23	0.0	36,38,0
575	0.22	0.62	0.18	36,36,39	0.22	0.23	0.0	36,38,0
576	0.21	0.61	0.18	36,36,39	0.21	0.22	0.0	36,38,0
577	0.21	0.60	0.18	36,36,39	0.21	0.22	0.0	36,38,0
578	0.20	0.58	0.17	36,36,39	0.20	0.0	0.0	36,0,0
579	0.20	0.61	0.17	36,36,39	0.21	0.22	0.0	36,38,0
580	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
581	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
582	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
583	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
584	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
585	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
586	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
587	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
588	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
589	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
590	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
591	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
592	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
593	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
594	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
595	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
596	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
597	0.03	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
598	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
599	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
600	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
601	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
602	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
603	0.03	0.08	0.03	36,36,39	0.0	0.0	0.0	0,0,0
604	0.04	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
605	0.04	0.09	0.03	36,36,39	0.0	0.0	0.0	0,0,0
606	0.04	0.10	0.03	36,36,39	0.0	0.0	0.0	0,0,0
607	0.04	0.12	0.03	36,36,39	0.0	0.0	0.0	0,0,0
608	0.04	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
609	0.04	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
610	0.03	0.13	0.03	36,36,39	0.0	0.0	0.0	0,0,0
611	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
612	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
613	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
614	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
615	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
616	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
617	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
618	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
619	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
620	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
621	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
622	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
623	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
624	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
625	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
626	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
627	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
628	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
629	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
630	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
631	0.02	0.07	0.02	36,36,39	0.0	0.0	0.0	0,0,0
632	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
633	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
634	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
635	0.02	0.08	0.02	36,36,39	0.0	0.0	0.0	0,0,0
636	0.02	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
637	0.02	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
638	0.02	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
639	0.02	0.10	0.02	36,36,39	0.0	0.0	0.0	0,0,0
640	0.02	0.09	0.02	36,36,39	0.0	0.0	0.0	0,0,0
641	0.02	0.06	0.01	36,36,39	0.0	0.0	0.0	0,0,0
642	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
643	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
644	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
645	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
646	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
647	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
648	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
649	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
650	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
651	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
652	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
653	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
654	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
655	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
656	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
657	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
658	0.02	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
659	0.01	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
660	0.01	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
661	0.01	0.07	0.01	36,36,39	0.0	0.0	0.0	0,0,0
662	0.01	0.08	0.01	36,36,39	0.0	0.0	0.0	0,0,0
663	0.01	0.08	0.01	36,36,39	0.0	0.0	0.0	0,0,0
664	0.01	0.08	0.01	36,36,39	0.0	0.0	0.0	0,0,0
665	0.01	0.09	0.01	36,36,39	0.0	0.0	0.0	0,0,0
666	0.01	0.09	0.01	36,36,39	0.0	0.0	0.0	0,0,0
667	0.01	0.09	0.01	36,36,39	0.0	0.0	0.0	0,0,0
668	0.01	0.08	0.01	36,36,39	0.0	0.0	0.0	0,0,0
669	0.01	0.08	0.01	36,36,39	0.0	0.0	0.0	0,0,0
670	0.01	0.08	0.01	36,36,39	0.0	0.0	0.0	0,0,0
671	0.01	0.06	8.94e-03	36,36,39	0.0	0.0	0.0	0,0,0
672	7.51e-03	0.03	6.77e-03	36,36,39	0.0	0.0	0.0	0,0,0
673	9.60e-03	0.07	7.57e-03	36,36,39	0.0	0.0	0.0	0,0,0
674	9.66e-03	0.07	7.54e-03	36,36,39	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
675	9.76e-03	0.07	7.59e-03	36,36,39	0.0	0.0	0.0	0,0,0
676	9.87e-03	0.07	7.65e-03	36,36,39	0.0	0.0	0.0	0,0,0
677	9.96e-03	0.07	7.73e-03	36,36,39	0.0	0.0	0.0	0,0,0
678	0.01	0.07	7.80e-03	36,36,39	0.0	0.0	0.0	0,0,0
679	0.01	0.07	7.86e-03	36,36,39	0.0	0.0	0.0	0,0,0
680	0.01	0.07	7.90e-03	36,36,39	0.0	0.0	0.0	0,0,0
681	0.01	0.07	7.91e-03	36,36,39	0.0	0.0	0.0	0,0,0
682	9.92e-03	0.07	7.88e-03	36,36,39	0.0	0.0	0.0	0,0,0
683	9.79e-03	0.07	7.82e-03	36,36,39	0.0	0.0	0.0	0,0,0
684	9.62e-03	0.07	7.75e-03	36,36,39	0.0	0.0	0.0	0,0,0
685	9.42e-03	0.07	7.65e-03	36,36,39	0.0	0.0	0.0	0,0,0
686	9.21e-03	0.07	7.53e-03	36,36,39	0.0	0.0	0.0	0,0,0
687	8.99e-03	0.07	7.41e-03	36,36,39	0.0	0.0	0.0	0,0,0
688	8.77e-03	0.07	7.28e-03	36,36,39	0.0	0.0	0.0	0,0,0
689	8.55e-03	0.07	7.16e-03	36,36,39	0.0	0.0	0.0	0,0,0
690	8.33e-03	0.07	7.03e-03	36,36,39	0.0	0.0	0.0	0,0,0
691	8.11e-03	0.07	6.90e-03	36,36,39	0.0	0.0	0.0	0,0,0
692	7.90e-03	0.08	6.78e-03	36,36,39	0.0	0.0	0.0	0,0,0
693	7.68e-03	0.08	6.65e-03	36,36,39	0.0	0.0	0.0	0,0,0
694	7.47e-03	0.09	6.52e-03	36,36,39	0.0	0.0	0.0	0,0,0
695	7.24e-03	0.09	6.39e-03	36,36,39	0.0	0.0	0.0	0,0,0
696	6.98e-03	0.09	6.23e-03	36,36,39	0.0	0.0	0.0	0,0,0
697	6.64e-03	0.09	6.02e-03	36,36,39	0.0	0.0	0.0	0,0,0
698	6.19e-03	0.09	5.72e-03	36,36,39	0.0	0.0	0.0	0,0,0
699	5.53e-03	0.09	5.26e-03	36,36,39	0.0	0.0	0.0	0,0,0
700	5.31e-03	0.08	4.58e-03	36,36,39	0.0	0.0	0.0	0,0,0
701	4.27e-03	0.06	3.87e-03	36,36,39	0.0	0.0	0.0	0,0,0
702	3.54e-03	0.04	3.19e-03	36,36,39	0.0	0.0	0.0	0,0,0
703	3.51e-03	0.01	3.17e-03	36,36,39	0.0	0.0	0.0	0,0,0
Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.22	0.63	0.19		0.22	0.24	0.0	

10 LUNGHEZZE DI ANCORAGGIO E LUNGHEZZE DI SOVRAPPOSIZIONE DEI FERRI DI ARMATURA

Per la definizione della lunghezza di ancoraggio (L_a) si assume una distribuzione delle tensioni tangenziali costante sull'intero tratto L_a. La distribuzione delle tensioni tangenziali è in equilibrio con la forza di trazione F_a alla quale è soggetta la barra per effetto del momento flettente agente nella sezione iniziale di ancoraggio (sez.A).



La condizione di equilibrio alla traslazione della barra è pertanto espressa dalla seguente relazione:

$$\tau \cdot \pi \cdot \varphi \cdot L_a = F_a = f_s \cdot \pi \cdot \frac{\varphi^2}{4}$$

dove,

$\pi \cdot \varphi \cdot L_a$ è la superficie laterale del tratto di barra di lunghezza L_a;

$\pi \cdot \frac{\varphi^2}{4}$ è l'area della sezione trasversale della barra.

La forza di trazione da considerare nell'equazione di equilibrio è quella che si ha nella sezione A, tuttavia a vantaggio di sicurezza si può considerare il valore massimo della forza di trazione che la barra può sopportare, pari a:

$$F_{a,max} = f_{yd} \cdot \pi \cdot \frac{\varphi^2}{4}$$

dove f_{yd} è la massima tensione che può essere assorbita dall'acciaio.
Sostituendo nell'equazione di equilibrio il valore massimo di F_a ed un opportuno valore di f_{bd} per le tensioni tangenziali ultime di aderenza si ottiene:

$$f_{bd} \cdot \pi \cdot \varphi \cdot L_a = f_{yd} \cdot \pi \cdot \frac{\varphi^2}{4} \quad \rightarrow \quad L_a = \frac{f_{yd} \cdot \pi \cdot \frac{\varphi^2}{4}}{f_{bd} \cdot \pi \cdot \varphi} = \frac{f_{yd} \cdot \varphi}{4 \cdot f_{bd}}$$

La Normativa fissa il valore della resistenza tangenziale di aderenza di progetto f_{bd} pari a:

$$f_{bd} = \frac{f_{bk}}{\gamma_c}$$

dove:

γ_c è il coefficiente parziale di sicurezza relativo al calcestruzzo, pari a 1,5;

f_{bk} è la resistenza tangenziale caratteristica di aderenza data da: $f_{bk} = 2.25 \cdot \eta_1 \cdot \eta_2 \cdot f_{ctk}$

in cui,

η_1 = 1,0 in condizioni di buona aderenza;

η_1 = 0,7 in condizioni di non buona aderenza, quali nei casi di armature molto addensate, ancoraggi in zona tesa, ancoraggi in zone superiori di getto, in elementi strutturali realizzati con casseforme scorrevoli, a meno che non si adottino idonei provvedimenti;

η_2 = 1,0 per barre di diametro ≤ 32 mm;

η_2 = (132 -φ)/100 per barre di diametro superiore.

Per cui, nella struttura oggetto del presente intervento è possibile individuare il valore di L_a, secondo quanto segue:

$f_{yk} = 450\ MPa$	tensione caratteristica di snervamento dell'acciaio
$f_{yd} = 391.30\ MPa$	resistenza di calcolo alla tensione di snervamento dell'acciaio
$f_{ck} = 28\ MPa$	valore caratte1tico della resistenza cilindrica a compressione del cls
$f_{ctm} = 0.3 \cdot f_{ck}^{\frac{2}{3}} = 2.77\ MPa$	valore medio della resistenza a trazione semplice del cls
$f_{ctk} = 0.7 \cdot f_{ctm} = 1.94\ MPa$	valore caratteristico (frattile 5%) della resistenza a trazione semplice del cls
$f_{bk} = 2.25 \cdot \eta_1 \cdot \eta_2 \cdot f_{ctk} = 3.05\ MPa$	resistenza tangenziale caratteristica di aderenza del cls
con $\eta_1 = 0.7$	considerando l'ancoraggio in zona tesa
$\eta_2 = 1$	per barre di diametro ≤ 32 mm
$f_{bd} = \frac{f_{bk}}{\gamma_c} = 2.03\ MPa$	resistenza tangenziale di aderenza di progetto
$l_{b,rqd} = \frac{f_{yd} \cdot \varphi}{4 \cdot f_{bd}} = 48.20 \cdot \varphi \sim 50\varphi$	lunghezza di ancoraggio di base

La lunghezza di ancoraggio di progetto lbd è calcolata sulla base della lunghezza di ancoraggio di base richiesta $l_{b,rqd}$, tenendo in considerazione l'influenza dei cinque parametri (da α_1 a α_5) e sapendo che non deve essere inferiore alla lunghezza minima di ancoraggio $l_{b,min}$:

$l_{b,min} = max(0.3 \cdot l_{b,rqd}; 10 \cdot \varphi; 100mm)$ per ferri in trazione;

$l_{b,min} = max(0.6 \cdot l_{b,rqd}; 10 \cdot \varphi; 100mm)$ per ferri in compressione;

La **lunghezza di ancoraggio** di progetto lbd è calcolata come segue:

$l_{bd} = \alpha_1 \cdot \alpha_2 \cdot \alpha_3 \cdot \alpha_4 \cdot \alpha_5 \cdot l_{b,rqd} \geq l_{b,min}$ armatura sotto trazione

$l_{bd} = \alpha_1 \cdot \alpha_2 \cdot \alpha_3 \cdot \alpha_4 \cdot \alpha_5 \cdot l_{b,rqd} \geq l_{b,min}$ armatura sotto compressione

dove:

- α_1 tiene in considerazione la forma del ferro di armatura (per ferri con estremità dritte α_1 è assunto pari a 1, per altre forme in determinate condizioni α_1 è assunto pari a 0,7)
- α_2 tiene in considerazione il copriferro: 0,7≤ α_2=1-0,15 (c_d-k φ)/φ≤ 1; dove k=1 per ferri senza uncino e k=3 per ferri con uncino. α_2 tiene in considerazione il confinamento passivo generato dal calcestruzzo circostante.

- α_3 tiene in considerazione l'effetto dell'armatura trasversale, dove 0,7 $=1-k \leq 1$ con $\lambda = (\sum A_{st} - \sum A_{st,min})/A_s$
- α_4 assunto pari a 0,7 se l'armatura trasversale è saldata all'armatura da ancorare, altrimenti è assunto pari ad 1
- α_5 tiene in considerazione la pressione trasversale, mentre $\alpha_5=1-0.04p \geq 0,7$ dove p è la pressione trasversale sulla lunghezza di ancoraggio (confinamento attivo).

L'effetto cumulativo di tali influenze è limitato da $\alpha_2 \cdot \alpha_3 \cdot \alpha_5 \geq 0.7$

A vantaggio di sicurezza, perla lunghezza di ancoraggio delle **barre dritte** $\alpha_1 \cdot \alpha_2 \cdot \alpha_3 \cdot \alpha_4 \cdot \alpha_5$ è stato assunto pari a 1. Pertanto:

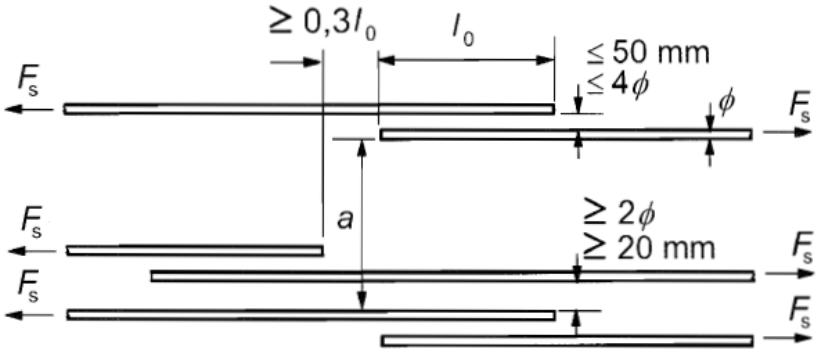
ø [mm]	14	16	20	24
l_{bd} *[mm]*	675	770	965	1155

Anche la **lunghezza di giunzione** di progetto (l_0) viene calcolata a partire dalla lunghezza di ancoraggio di base richiesta $l_{b,rqd}$ con: $l_0=\alpha_1 \cdot \alpha_2 \cdot \alpha_3 \cdot \alpha_5 \cdot \alpha_6 \, l_{b,rqd} \geq l_{0,min}$ (mm)

A vantaggio di sicurezza, per barre dritte in condizione tesa, $\alpha_1 \cdot \alpha_2 \cdot \alpha_3 \cdot \alpha_4 \cdot \alpha_5$ è stato assunto pari a 1. Pertanto:

ø [mm]	14	16	20	24
l_0 *[mm]*	675	770	965	1155

Se l'interasse libero tra i ferri di armatura sovrapposti e supera di 4 volte il diametro del ferro Φ o è maggiore di 50 mm, la lunghezza di sovrapposizione sarà incrementata di un valore pari a e - 4Φ oppure e - 50 mm.



La lunghezza minima di giunzione $l_{0,min}$ può essere calcolata nel modo seguente:

$$l_{0,min} = \max(0,3 \cdot \alpha_6 \cdot l_{b,rqd};\ 15\phi;\ 200 \text{ mm}) = 360 \text{ mm}$$

11 SOTTOSCRIZIONE DELL'ELABORATO DA PARTE DEL R.T.P

STUDIO CORONA S.r.l.

_____

ECOPLAN S.r.l.

_____

I.T. S.r.l. E&G S.r.l.

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E&G S.r.l.

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CONSORZIO UNING

_____

ARKE' INGEGNERIA S.r.l.

_____

SETAC S.r.l.

_____

ING. RENATO DEL PRETE

_____

DOTT. DANILO GALLO

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