

Regione Piemonte
Città Metropolitana di Torino



COMUNE DI ANDEZENO

**INTERVENTI DI MESSA IN SICUREZZA DEL TERRITORIO A RISCHIO
IDROGEOLOGICO
INTERVENTI DI REGIMAZIONE ACQUE METEORICHE
IN LOCALITÀ FAITERIA**

PROGETTO DEFINITIVO-ESECUTIVO

RELAZIONE DI CALCOLO STRUTTURALE



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COMMITTENTE: Comune di Andezeno

INTERVENTI DI MESSA IN SICUREZZA DEL TERRITORIO A RISCHIO IDROGEOLOGICO

INTERVENTI DI REGIMAZIONE ACQUE METEORICHE IN LOCALITÀ FAITERIA

RELAZIONE DI CALCOLO STRUTTURALE

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1. PREMESSA

La presente relazione ha per oggetto il dimensionamento e le verifiche di carattere strutturale relative alle opere civili presenti nell'ambito degli interventi in oggetto, che riguardano di fatto la realizzazione di una vasca in c.a. per l'imbocco della tubazione in corrispondenza dell'impluvio esistente.

Nel caso specifico si tratta di un'opera di ridotta rilevanza strutturale, trattandosi di una vasca posizionata quasi interamente al di sotto del piano campagna, di dimensioni di 6.90 m x 3.60 m in pianta e altezza massima 2.30 m, di cui 0.50 m.

2. NORMATIVA DI RIFERIMENTO

Dal punto di vista normativo, il presente contributo fa riferimento alle seguenti norme:

- **D.M. 17/01/2018 Testo Unitario** – Aggiornamento delle norme tecniche per le costruzioni e
- **Circolare 21/01/2019 n°7** "Istruzioni per l'applicazione dell'aggiornamento delle Norme tecniche per le costruzioni di cui al D.M. 17/01/2018.

3. CARATTERIZZAZIONE GEOTECNICA

Data la modesta entità dell'intervento non si è ritenuto necessario effettuare indagini geotecniche mirate; per il dimensionamento delle opere in progetto si è fatto riferimento ad un modello geologico costruito sulla base delle condizioni riscontrate in sito e sui dati rintracciati in letteratura per casi analoghi.

I valori dei parametri utilizzati sono riportati di seguito, dove:

- γ' : Peso di volume;
- ϕ' : Valore di picco dell'angolo di resistenza al taglio;
- c' : Coesione drenata;

Ai fini della valutazione della spinta del terreno e della capacità portante, in via cautelativa sono stati assunti i seguenti parametri:

- $\gamma' = 18 \text{ kN/m}^3$;
- $\phi' = 22^\circ$;
- $c' = 0 \text{ kPa}$;

Date le caratteristiche scadenti dei terreni in sito, al fine di garantire un'adeguata portanza del piano d'appoggio alla fondazione dei manufatti interrati, prima della esecuzione delle platee delle vasche è prevista una bonifica del fondo mediante l'asportazione dei primi 1,5 m di terreno a partire dal piano d'appoggio della fondazione e sostituzione di tale strato con terreno proveniente da cava di idonee caratteristiche geotecniche.

4. CARATTERIZZAZIONE SISMICA

Per quel che riguarda la definizione della azione sismica, si è fatto riferimento a quanto indicato nel Capitolo 3.2 delle NTC-18. La classificazione del sottosuolo si effettua in base alle condizioni stratigrafiche ed ai valori della velocità equivalente di propagazione delle onde di taglio $V_{S,eq}$, definita dall'espressione:

$$V_{S,eq} = \frac{H}{\sum_{i=1}^N \frac{h_i}{V_{S,i}}}$$

Con:

- h_i , spessore dell i-esimo strato;
- $V_{S,i}$, velocità delle onde di taglio nell'i-esimo strato;
- N , numero di strati;
- H , profondità del substrato;

Categoria	Caratteristiche della superficie topografica
A	<i>Ammassi rocciosi affioranti o terreni molto rigidi</i> caratterizzati da valori di velocità delle onde di taglio superiori a 800 m/s, eventualmente comprendenti in superficie terreni di caratteristiche meccaniche più scadenti con spessore massimo pari a 3 m.
B	<i>Rocce tenere e depositi di terreni a grana grossa molto addensati o terreni a grana fina molto consistenti</i> , caratterizzati da un miglioramento delle proprietà meccaniche con la profondità e da valori di velocità equivalente compresi tra 360 m/s e 800 m/s.
C	<i>Depositi di terreni a grana grossa mediamente addensati o terreni a grana fina mediamente consistenti</i> con profondità del substrato superiori a 30 m, caratterizzati da un miglioramento delle proprietà meccaniche con la profondità e da valori di velocità equivalente compresi tra 180 m/s e 360 m/s.
D	<i>Depositi di terreni a grana grossa scarsamente addensati o di terreni a grana fina scarsamente consistenti</i> , con profondità del substrato superiori a 30 m, caratterizzati da un miglioramento delle proprietà meccaniche con la profondità e da valori di velocità equivalente compresi tra 100 e 180 m/s.
E	<i>Terreni con caratteristiche e valori di velocità equivalente riconducibili a quelle definite per le categorie C o D</i> , con profondità del substrato non superiore a 30 m.

Secondo quanto ricavato dalle informazioni ottenute, il terreno in esame, in via cautelativa, è stato assunto come **Categoria C**.

Sulla base della classificazione sismica ottenuta e sulla base delle coordinate geografiche del sito in esame nonché delle caratteristiche topografiche, ed altri parametri relativi alla nuova costruzione in esame, è possibile definire gli spettri di risposta in accelerazione per ogni stato limite (di esercizio e ultimo) considerato. Sulla base dello spettro di risposta sarà quindi possibile determinare l'azione sismica, ai sensi del D.M. 17/01/2018.

Le azioni sismiche di progetto, in base alle quali valutare il rispetto dei diversi stati limite considerati, si definiscono a partire dalla "pericolosità sismica di base" del sito di costruzione. Essa costituisce l'elemento di conoscenza primario per la determinazione delle azioni sismiche. (§ 3.2 NTC-18).

Individuata la categoria del sottosuolo, altro parametro richiesto è quello riguardante le condizioni topografiche al fine di valutare l'amplificazione sismica locale (tabella seguente).

Categoria	Caratteristiche della superficie topografica
T1	Superficie pianeggiante, pendii e rilievi isolati con inclinazione media $i \leq 15^\circ$
T2	Pendii con inclinazione media $i > 15^\circ$
T3	Rilievi con larghezza in cresta molto minore che alla base e inclinazione media $15^\circ \leq i \leq 30^\circ$
T4	Rilievi con larghezza in cresta molto minore che alla base e inclinazione media $i > 30^\circ$

Il sito in esame appartiene alla **Categoria Topografica T1**.

È necessario inoltre, al fine di valutare gli spettri di risposta per i diversi stati limite, fare alcune considerazioni di carattere generale sulla struttura di futura costruzione.

In primo luogo deve essere definita la vita nominale della struttura V_N che è convenzionalmente definita come "Il numero di anni nel quale è previsto che l'opera, purché soggetta alla necessaria manutenzione, mantenga specifici livelli prestazionali e svolgerà le funzioni per i quali è stata progettata".

Si riporta di seguito la tabella utilizzata per la definizione di V_N .

TIPI DI COSTRUZIONI		Valori minimi di V_N (anni)
1	Costruzioni temporanee e provvisorie	10
2	Costruzioni con livelli di prestazioni ordinari	50
3	Costruzioni con livelli di prestazioni elevati	100

Le strutture in esame rientrano nella seconda categoria, pertanto si considera una vita nominale pari a 50 anni.

Per valutare il periodo di riferimento per l'azione sismica è necessario definire il coefficiente d'uso funzione della classe di uso della struttura in progetto (§ 2.4.3 NTC-18)

CLASSE D'USO	I	II	III	IV
COEFFICIENTE C_U	0,7	1,0	1,5	2,0

Si considera un coefficiente d'uso $C_U=1$. Quindi, il periodo di riferimento per l'azione sismica, dato da $V_R = V_N * C_U$, corrisponde a **$V_R = 50$ anni**.

La pericolosità sismica, con riferimento al D.M. 17/01/2018, è definita in termini di accelerazione orizzontale massima attesa in condizioni di campo libero su sito di riferimento rigido con superficie topografica orizzontale. Le forme spettrali, solo quindi definite, per ciascuna delle probabilità di superamento nel periodo di riferimento, a partire dai valori dei seguenti parametri:

- a_g , accelerazione orizzontale massima al sito;
- F_0 , valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
- T_C^* , valore di riferimento per la determinazione del periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Tali parametri sono forniti per una serie di punti sul territorio, e possono essere opportunamente interpolati. Si riportano di seguito i parametri di progetto relativi all'azione sismica per i diversi stati limite, inerenti il sito indagato ubicato nel **Comune di Andezeno (TO)**.

Indirizzo

Andezeno

Stati limite

Classe Edificio

II. Affollamento normale. Assenza di funz. pubbliche...

Vita Nominale 50

Interpolazione Media ponderata

CU = 1

Stato Limite	Tr [anni]	a_g [g]	F_o	T_c^* [s]
Operatività (SLO)	30	0.019	2.617	0.160
Danno (SLD)	50	0.024	2.610	0.187
Salvaguardia vita (SLV)	475	0.045	2.733	0.276
Prevenzione collasso (SLC)	975	0.053	2.784	0.296
Periodo di riferimento per l'azione sismica:	50			

Coefficienti sismici

Tipo Muri di sostegno NTC 2008

☐ Muri di sostegno che non sono in grado di subire spostamenti.

H (m) 1 us (m) 0.1

Cat. Sottosuolo C

Cat. Topografica T1

	SLO	SLD	SLV	SLC
SS Amplificazione stratigrafica	1,50	1,50	1,50	1,50
CC Coeff. funz categoria	1,92	1,82	1,61	1,57
ST Amplificazione topografica	1,00	1,00	1,00	1,00

☐ Acc.ne massima attesa al sito [m/s²] 0.6

Coefficienti	SLO	SLD	SLV	SLC
k_h	0.005	0.006	0.012	0.014
k_v	0.003	0.003	0.006	0.007
A_{max} [m/s²]	0.283	0.350	0.666	0.782
Beta	0.180	0.180	0.180	0.180

In ambito geotecnico, i parametri sopra esplicitati si utilizzano per il calcolo dei coefficienti sismici (k_h e k_v) il quale a sua volta rientra nella definizione dei coefficienti correttivi per calcolo della capacità portante e della spinta attiva.

5. MODULO DI WINKLER

Un'analisi rigorosa delle strutture di fondazione richiede lo studio dell'iterazione tra la fondazione, la struttura in elevazione e il terreno.

Il modello suggerito da Winkler (1867), per tener conto dell'iterazione terreno-struttura è quello di suolo elastico, caratterizzato dal coefficiente di reazione o modulo di Winkler (K)

Il modulo di Winkler lega il cedimento di un punto alla reazione del terreno agente unicamente su quel punto.

Nella presente, in mancanza di indagini più approfondite atte a determinare la rigidezza del terreno, e in mancanza di più precise indicazioni sui carichi agenti, si suggerisce per terreni con caratteristiche di quelli in esame di adottare un coefficiente K pari a $1.5 - 2.5 \text{ kg/cm}^3$.

Nelle analisi e nei modelli agli elementi finiti riportati in seguito si è deciso di utilizzare un coefficiente di Winkler pari a 2.2 kg/cm^3 .

6. DIMENSIONAMENTO E VERIFICA DELLA VASCA

Nei seguenti paragrafi si illustrano i procedimenti di calcolo e le analisi condotte rispetto la vasca in esame.

La vasca presenta due platee di fondazione, la prima di $2,30 \times 3,60 \text{ m}$, mentre la seconda, di $4,30 \times 3,60 \text{ m}$, è posta a $0,50 \text{ m}$ meno in profondità rispetto la prima. Per consentire l'entrata nella vasca delle acque raccolte, sono presenti due aperture in corrispondenza della seconda platea, ed una di uscita in corrispondenza della prima. Le pareti presentano altezza di $1,80 \text{ m}$ e di $2,30 \text{ m}$. Per maggiori informazioni sui dettagli costruttivi e geometrici si rimanda all'elaborato specifico (Elaborato 7 – 21015-DE07-0_PC).

6.1. INDIVIDUAZIONE DEL CODICE DI CALCOLO

In conformità alle norme C.N.R. – UNI 10024/86, si riportano alcune informazioni sul codice di calcolo usato per l'analisi degli elementi strutturali esaminati.

Tale codice è il programma DOLMENWIN, versione 13, prodotto, distribuito e assistito dalla società CDM Dolmen S.r.l., con sede in Torino, via Drovetti n° 9.

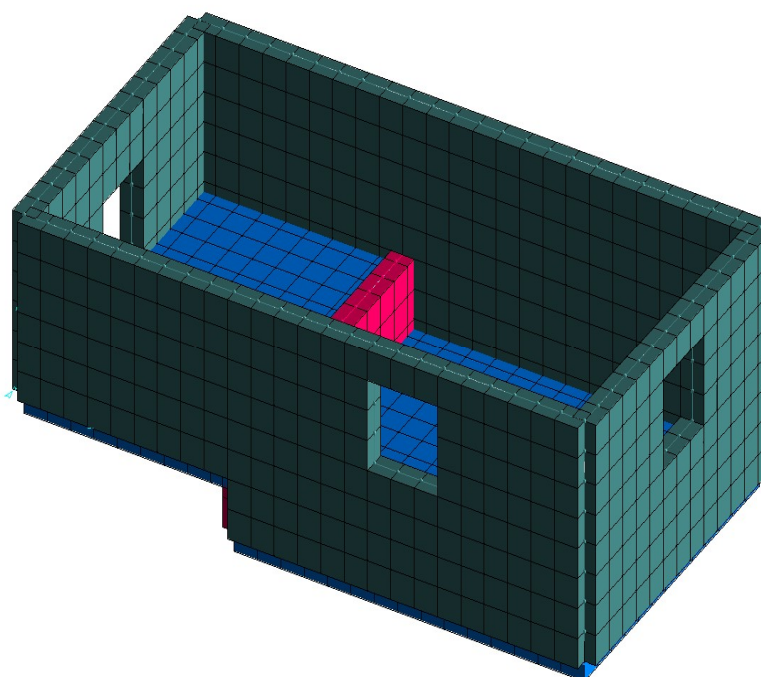
Il codice esegue l'analisi elastica lineare di strutture tridimensionali con nodi a sei gradi di libertà, utilizzando un solutore ad elementi finiti. Gli elementi considerati sono di tipo trave, con eventuali svincoli interni, e guscio, sia rettangolare sia triangolare, aventi comportamento di membrana o di piastra. I carichi possono essere applicati ai nodi (forze o coppie concentrate), alle travi (forze distribuite, trapezie, concentrate, coppie e distorsioni termiche) e agli elementi guscio (carichi d'area). I vincoli esterni sono definiti da sei costanti di rigidezza elastica.

6.2. DEFINIZIONE DEL MODELLO DI CALCOLO

Per il calcolo delle sollecitazioni e per il dimensionamento degli elementi resistenti è stato predisposto un modello tridimensionale ad elementi finiti elaborato con il codice di calcolo descritto precedentemente. Le pareti e la platea di fondazione sono state modellate con elementi bidimensionali, denominati "gusci".

Per gli spessori degli elementi e le caratteristiche geometriche si rimanda alla tavola grafica specifica (Elaborato 7 – 21015-DE07-0_PC).

Il modello utilizzato è il seguente:



6.3. CARATTERIZZAZIONE DEI MATERIALI E ANALISI DEI CARICHI

I materiali utilizzati per gli elementi strutturali sono i seguenti:

- Cls per piastre C28/35;
- Acciaio ordinario per armatura piastre: B450C controllato in stabilimento ad aderenza migliorata.

Oltre alle azioni sismiche ed al peso proprio degli elementi strutturali i carichi coinvolti nell'analisi di tipo permanente sono dati dalla spinta del terrapieno e dalle pressioni idrostatiche, i carichi di manutenzione e la neve.

Per una più precisa simulazione del comportamento della struttura si è deciso di:

- Applicare la spinta idrostatica dell'acqua (corrispondente al massimo livello idrometrico possibile) solamente alla platea di fondazione;
- Sollecitare le pareti della struttura solamente con la spinta del terreno;

Di seguito si riportano i risultati relativi all'involuppo dei due casi.

Per le verifiche strutturali e per il calcolo della spinta del terreno agente sulle pareti, è stato considerato, a favore di sicurezza un unico strato di terreno di riporto con caratteristiche medio-scadenti. La spinta della terra, agente sulle pareti laterali, viene valutata considerando il coefficiente di spinta attiva calcolato secondo la teoria di Rankine.

I parametri del terreno considerati nei calcoli sono i seguenti:

- Peso specifico del terreno $\gamma = 18 \text{ kN/m}^3$;
- Angolo di resistenza al taglio $\phi' = 22^\circ$;
- Coesione efficace $c' = 0 \text{ kPa}$;

Un carico variabile, pari a 25 kPa, agisce sulla platea di fondazione per simulare i carichi di manutenzione, ed un sovraccarico di 25 kPa è stato applicato sulla parete di sinistra per tenere conto del passaggio dei veicoli sulla strada.

Per il carico neve agente sulla soletta di completamento si considera un valore pari a $q_{neve} = 1.65 \text{ kN/m}^2$, calcolato in base alle caratteristiche del sito ai sensi del paragrafo 3.4 delle NTC-18.

Le combinazioni di carico utilizzate per le verifiche strutturali sono le seguenti:

- Combinazione fondamentale senza sisma

$$\gamma_{G1}G_1 + \gamma_{G2}G_2 + \gamma_{Q1}Q_{k1} + \gamma_{Q2}\psi_{02}Q_{k2} + \dots$$

- Combinazioni di carico agli stati limite di esercizio

Caratteristica: $G_1 + G_2 + Q_{k1} + \psi_{02}Q_{k2} + \dots$

Frequente: $G_1 + G_2 + \psi_{11}Q_{k1} + \psi_{22}Q_{k2} + \dots$

Quasi permanente: $G_1 + G_2 + \psi_{21}Q_{k1} + \psi_{22}Q_{k2} + \dots$

- Combinazione sismica

$$E + G_1 + G_2 + \psi_{21}Q_{k1} + \psi_{22}Q_{k2} + \dots$$

La sollecitazione sismica E è valutata nei confronti di un'azione caratterizzata da una probabilità pari al 10% di accadimento in un periodo di riferimento pari a 100 anni.

Allo stato limite sismico di danno (SLD) la combinazione dei carichi non varia, l'unica differenza si ripercuote sull'azione sismica E che in questo caso è valutata nei confronti di un'azione che ha la probabilità di verificarsi pari al 63% durante il periodo di riferimento di 100 anni.

- Combinazione di carico a stato limite ultimo per verifiche geotecniche

$$G_1 + 1.3G_2 + 1.3q_{neve} + 1.3q_{var}$$

6.4. DIMENSIONAMENTO E VERIFICA DELLE PIASTRE IN C.A. – SLU

Il calcolo dell'armatura necessaria a flessione viene effettuato tramite l'utilizzo del programma ad elementi finiti precedentemente descritto, in particolare si riportano ora gli output grafici in cui sono indicati i quantitativi di armatura espressi in $[\text{cm}^2/\text{ml}]$ da disporsi rispettivamente lungo le due direzioni per ogni parete/piastra considerata.

Nell'allegato è riportato l'involuppo delle sollecitazioni e le rispettive deformazioni a SLU.

PLATEA ALTA

Con "Platea Alta" viene indicata la platea più superficiale, mentre con "Platea2" quella posta su un piano ribassato rispetto la prima. Entrambe le platee hanno uno spessore di 40 cm.

Armatura orizzontale inferiore necessaria

0.01						0.09	2.46
0.06						0.03	2.15
0.01						0.10	2.36
0.01						0.10	2.32
0.06						0.03	2.06
0.01						0.10	2.27
0.01						0.10	2.24
0.06						0.03	2.01
						0.10	2.21
						0.10	2.20
0.05						0.02	1.92
						0.11	2.00
						0.12	1.95
0.05						0.04	1.97
						0.13	1.88
						0.14	1.89
0.02						0.07	2.17
						0.15	1.92
						0.16	1.94
						0.09	2.08
						0.17	2.00
						0.18	2.02
						0.11	2.02
						0.19	2.08
						0.19	2.11
						0.01	2.01
						0.20	2.18
						0.21	2.20
						0.04	2.13
						0.01	2.21
						0.02	2.22
						0.07	2.14
						0.05	2.22
						0.06	2.22
						0.02	2.09
						0.09	2.23
						0.10	2.23
						0.06	2.14
						0.02	2.12

Armatura verticale inferiore necessaria

0.05	0.08	0.11	0.16	0.22	0.39	0.48	0.53	0.59
0.03	0.04	0.05	0.06	0.07	0.08	0.13	0.15	0.21
0.01	0.01	0.02	0.03	0.10	0.27	0.42	0.49	0.57
					0.10	0.16	0.20	0.24
					0.04	0.11	0.15	0.17
					0.05	0.11	0.17	0.23
					0.13	0.16	0.20	0.26
					0.08	0.12	0.15	0.20
					0.08	0.12	0.16	0.21
					0.09	0.12	0.15	0.19
					0.02	0.11	0.14	0.18
					0.10	0.13	0.16	0.20
					0.11	0.15	0.18	0.22
					0.02	0.11	0.14	0.18
					0.12	0.16	0.19	0.24
					0.02	0.11	0.14	0.18
					0.12	0.16	0.19	0.25
					0.12	0.16	0.19	0.25
					0.08	0.15	0.17	0.23
					0.12	0.17	0.20	0.25
					0.12	0.16	0.20	0.25
					0.08	0.15	0.18	0.23
					0.13	0.17	0.20	0.26
					0.12	0.17	0.20	0.25
					0.08	0.15	0.18	0.23
					0.14	0.18	0.24	0.33
					0.18	0.26	0.33	0.43
					0.18	0.27	0.34	0.47
					0.16	0.24	0.48	0.57
					0.28	0.37	0.44	0.53
					0.10	0.10	0.10	0.10
					0.01	0.01	0.01	0.01
					0.03	0.06	0.10	0.18
					0.05	0.10	0.17	0.24
					0.07	0.12	0.20	0.34
					0.15	0.25	0.33	0.41
					0.31	0.42	0.52	0.62
					0.36	0.46	0.56	0.66
					0.51	0.64	0.75	0.85

Interventi di messa in sicurezza del territorio a rischio idrogeologico
Interventi di regimazione acque meteoriche in località Faiteria
RELAZIONE DI CALCOLO STRUTTURALE

Armatura orizzontale superiore necessaria

			0.01					1.78
			0.01 0.01					1.63 1.82
			0.03					1.68
			0.03 0.01					1.64
			0.01 0.03 0.02					1.53 1.69
			0.05 0.03					1.59
			0.05 0.04					1.57
			0.01 0.04 0.05 0.02					1.48 1.61
			0.06 0.05					1.53
			0.06 0.06 0.01					1.52
			0.02 0.05 0.06 0.04 0.02					1.38 1.50
			0.02 0.08 0.08 0.03					1.30
			0.02 0.09 0.10 0.05					1.25
			0.04 0.07 0.09 0.08 0.02					1.18 1.25
			0.02 0.10 0.11 0.07					1.19
			0.02 0.10 0.12 0.07					1.19
			0.04 0.07 0.10 0.08 0.07 0.04					1.19 1.28
			0.01 0.10 0.12 0.08					1.23
			0.01 0.10 0.11 0.08					1.25
			0.02 0.06 0.09 0.08 0.04					1.26 1.31
			0.08 0.10 0.07					1.31
			0.07 0.09 0.07					1.34
			0.01 0.04 0.06 0.07 0.05 0.03					1.33 1.41
			0.06 0.07 0.05					1.40
			0.01 0.06 0.06 0.04					1.43
			0.01 0.03 0.04 0.03 0.01					1.41 1.58
			0.03 0.03					1.50
			0.01 0.01					1.52
								1.69 1.74
								1.82
								1.85
								1.86 1.91
								1.93
								1.97
								1.98 2.04
								2.06
								2.11
								2.14 2.19
								2.23

Armatura verticale superiore necessaria

								0.09	0.14	0.17	0.21
								0.02 0.06 0.15 0.18 0.19 0.22 0.24 0.29			
								0.15	0.20	0.25	0.31
								0.05	0.07	0.09	0.11
								0.02 0.05 0.09 0.10 0.11 0.12 0.13 0.16			
								0.09	0.12	0.14	0.18
								0.07	0.09	0.11	0.13
								0.06 0.09 0.10 0.11 0.12 0.13 0.16			
								0.09	0.10	0.12	0.16
								0.15	0.16	0.17	0.19
								0.18 0.19 0.20 0.22 0.22			
								0.03	0.20	0.21	0.23
								0.07	0.25	0.26	0.29
								0.03 0.04 0.04 0.04 0.03 0.02 0.03 0.27 0.27 0.28 0.31			
								0.03	0.03	0.03	0.02
								0.03	0.03	0.03	0.03
								0.05 0.05 0.05 0.05 0.04 0.05 0.15 0.31 0.31 0.32 0.35			
								0.03	0.03	0.03	0.02
								0.01	0.01	0.01	0.02
								0.01 0.01 0.02 0.02 0.02 0.04 0.9 0.15 0.32 0.33 0.36			
								0.11	0.31	0.32	0.35
								0.10	0.29	0.30	0.33
								0.05 0.28 0.28 0.29 0.32 0.34			
								0.23	0.27	0.28	0.32
								0.20	0.23	0.25	0.28
								0.14 0.20 0.21 0.22 0.24 0.25 0.29			
								0.16	0.18	0.22	0.27
								0.14	0.18	0.21	0.27
								0.04 0.11 0.17 0.18 0.20 0.21 0.25 0.32			
								0.16	0.20	0.24	0.31
								0.16	0.21	0.25	0.31
								0.04 0.13 0.20 0.21 0.24 0.25 0.28 0.31 0.37			
								0.19	0.24	0.29	0.37
								0.20	0.25	0.31	0.39
								0.05 0.16 0.25 0.26 0.28 0.31 0.36 0.46			
								0.23	0.29	0.36	0.45
								0.28	0.34	0.41	0.52
								0.07 0.20 0.27 0.29 0.32 0.34 0.43 0.51			
								0.21	0.27	0.33	0.41

Armatura Superiore $\Phi 14$. Armatura Inferiore $\Phi 14$.

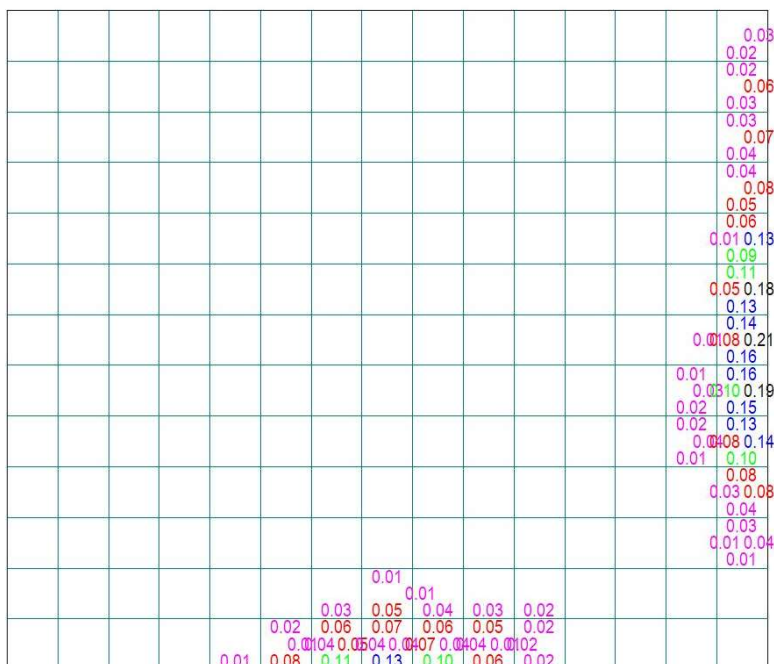
Passo pari a 20 cm per tutte le armature.

Applicando queste armature alla platea, essa risulta verificata allo SLU.

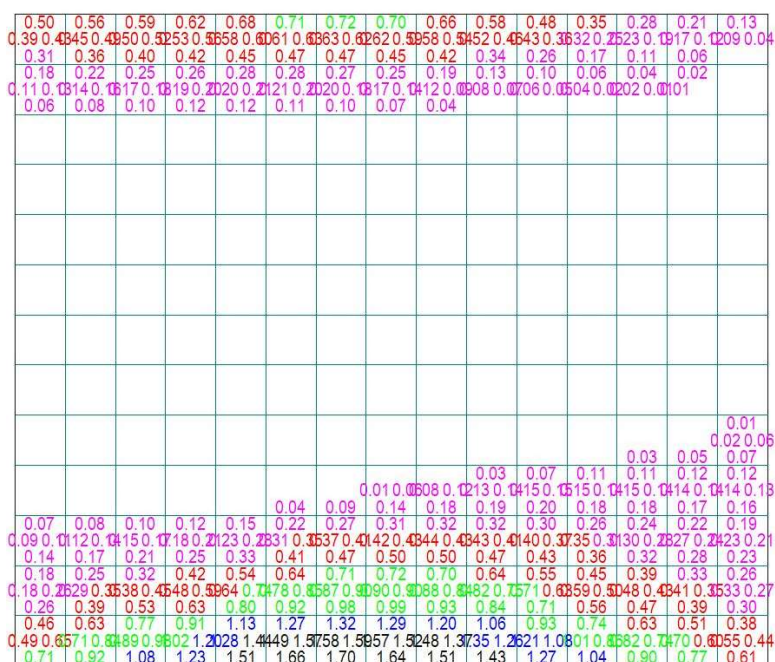
PLATEA BASSA

Con “Platea1” viene indicata la platea più superficiale, mentre con “Platea2” quella posta su un piano ribassato rispetto la prima. Entrambe le platee hanno uno spessore di 40 cm.

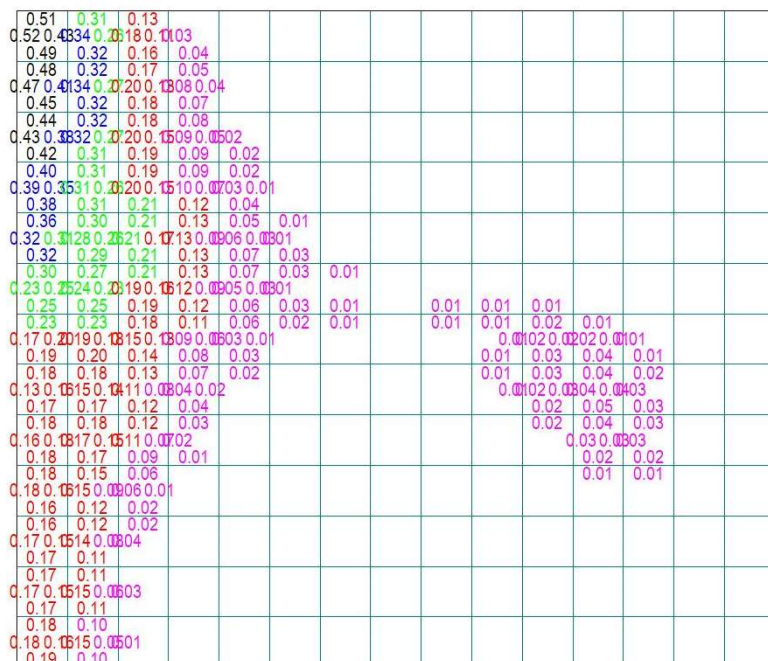
Armatura orizzontale inferiore necessaria



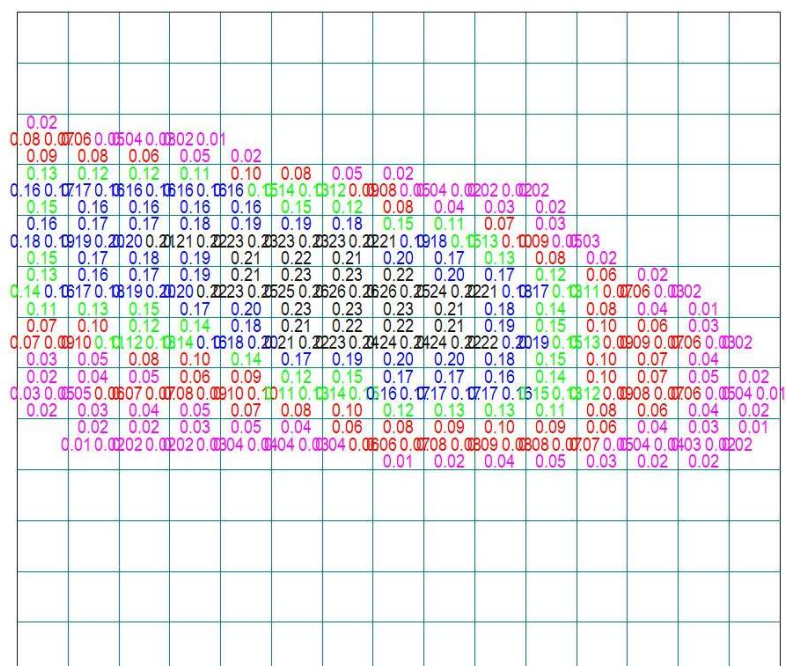
Armatura verticale inferiore necessaria



Armatura orizzontale superiore necessaria



Armatura verticale superiore necessaria



Armatura Superiore $\Phi 14$. Armatura Inferiore $\Phi 14$.

Passo pari a 20 cm per tutte le armature.

Applicando queste armature alla platea, essa risulta verificata allo SLU.

SETTO

Tra le due piastre è presente un setto di spessore pari a 30 cm.

Armatura orizzontale inferiore necessaria

				0.21	0.43	0.56	0.65	0.71	0.72	0.69	0.77	0.51
0.30			0.11	0.14	0.27	0.43	0.45	0.56	0.67	0.73	0.74	0.75
0.12			0.14	0.25	0.45	0.58	0.68	0.74	0.76	0.75	0.81	0.54
0.12			0.14	0.25	0.45	0.58	0.68	0.74	0.76	0.75	0.81	0.54
0.30			0.11	0.14	0.27	0.43	0.45	0.56	0.67	0.73	0.74	0.75
0.12			0.14	0.25	0.45	0.58	0.68	0.74	0.76	0.75	0.81	0.54
0.12			0.14	0.25	0.45	0.58	0.68	0.74	0.76	0.75	0.81	0.54
0.30			0.11	0.14	0.27	0.43	0.45	0.56	0.67	0.73	0.74	0.75
0.69	0.18	0.22	0.30	0.50	0.63	0.74	0.81	0.85	0.86	0.97	0.76	

Armatura verticale inferiore necessaria

0.44	0.35	0.29	0.13	0.07				0.03	0.07			
0.39	0.31	0.24	0.09	0.05				0.02				0.01
0.43	0.32	0.27	0.06	0.05	0.04	0.01		0.04		0.02	0.07	0.14
1.97	1.81	1.76	1.20	1.33	1.52	1.67	2.03	2.15	2.25	2.30	2.11	2.13
1.74	1.62	1.55	1.11	1.15	1.49	1.65	1.78	1.91	2.00	2.01	2.02	2.00
1.26	1.20	1.20	1.06	1.21	1.37	1.51	1.63	1.71	1.71	1.66	1.65	1.61
1.24	1.09	1.02	0.81	0.78	0.86	0.96	1.06	1.13	1.15	1.09	1.10	1.08
1.15	1.02	0.91	0.78	0.65	0.65	0.67	0.73	0.83	0.94	1.03	1.09	1.10
1.06	0.93	0.85	0.66	0.62	0.68	0.78	0.90	1.01	1.08	1.10	1.11	1.10

Armatura orizzontale superiore necessaria

			0.04	0.15	0.36	0.50	0.60	0.65	0.66	0.59	0.50	0.43
0.05			0.02	0.09	0.11	0.24	0.40	0.53	0.53	0.63	0.70	0.70
			0.10	0.20	0.40	0.53	0.63	0.70	0.72	0.66	0.56	0.50
0.05			0.02	0.09	0.11	0.24	0.40	0.53	0.53	0.63	0.70	0.70
			0.10	0.20	0.40	0.53	0.63	0.70	0.72	0.66	0.56	0.50
0.05			0.02	0.09	0.11	0.24	0.40	0.53	0.53	0.63	0.70	0.70
			0.10	0.20	0.40	0.53	0.63	0.70	0.72	0.66	0.56	0.50
0.05			0.02	0.09	0.11	0.24	0.40	0.53	0.53	0.63	0.70	0.70
0.18	0.06	0.14	0.18	0.24	0.44	0.58	0.69	0.76	0.80	0.77	0.71	0.74

Armatura verticale superiore necessaria

0.48	0.38	0.31	0.15					0.02	0.04	0.08	0.10	0.14
0.45	0.36	0.28	0.12					0.01	0.01	0.02	0.04	0.05
0.55	0.42	0.35						0.03	0.06	0.09	0.09	0.09
1.05	0.93	0.89	0.60	0.69	0.83	0.95	1.05	1.13	1.17	1.16	1.16	1.14
0.95	0.86	0.81	0.65	0.62	0.75	0.88	0.98	1.07	1.10	1.13	1.14	1.11
0.77	0.71	0.72	0.54	0.68	0.83	0.95	1.04	1.12	1.14	1.13	1.13	1.10
1.09	0.96	0.88	0.68	0.63	0.70	0.80	0.91	1.02	1.09	1.18	1.25	1.30
1.36	1.21	1.07	0.89	0.70	0.68	0.75	0.86	1.02	1.19	1.36	1.47	1.55
1.41	1.24	1.15	0.91	0.83	0.88	0.99	1.16	1.36	1.56	1.66	1.74	1.80

Vengono poste delle staffe $\Phi 14$. Armatura Orizzontale $\Phi 12$. Per armatura superiore si intende quella sulla faccia rivolta verso la platea bassa, mentre quella inferiore è sulla faccia rivolta verso la platea alta.

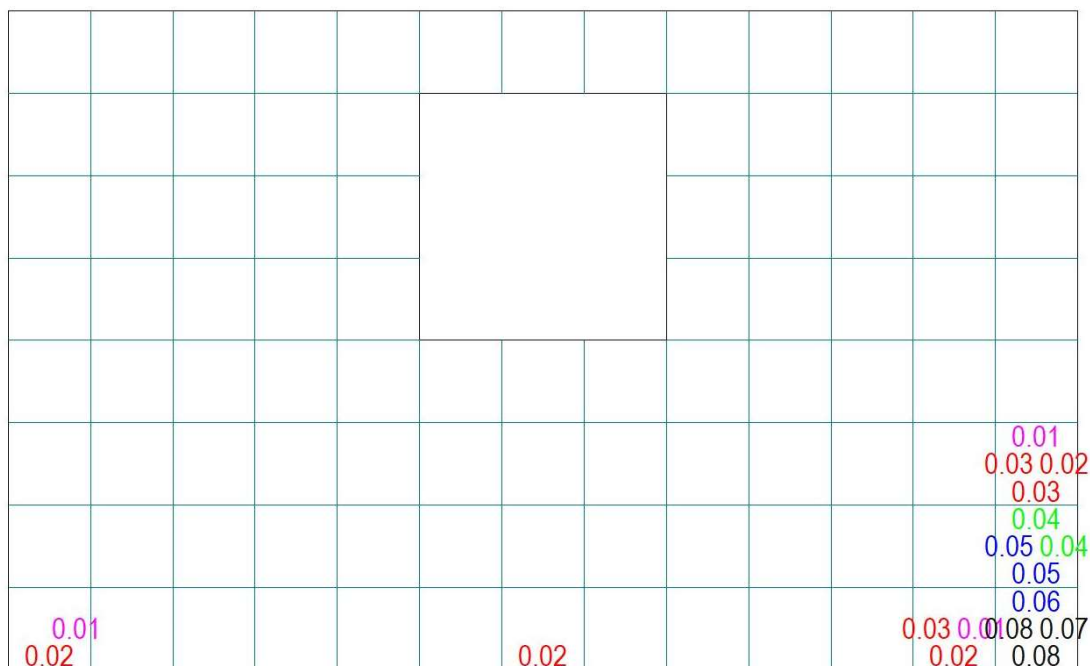
Passo pari a 20 cm per tutte le armature.

Applicando queste armature al setto, esso risulta verificato allo SLU.

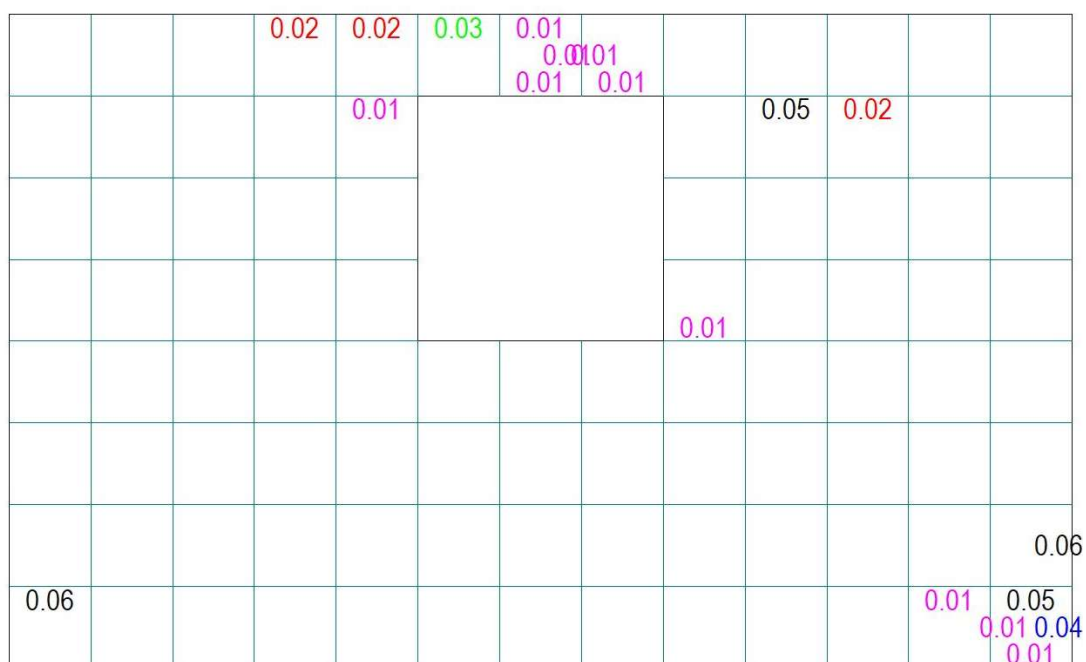
PARETE DI ENTRATA

La parete ha uno spessore di 30 cm, e presenta un'apertura di 0,70 m in larghezza e 0,80 m in altezza per permettere l'entrata nella vasca delle acque raccolte.

Armatura orizzontale inferiore necessaria



Armatura verticale inferiore necessaria



Armatura orizzontale superiore (esterna) necessaria

1.25	0.58	0.11									0.05	0.43
1.35	1.01	0.66	0.41	0.17							0.10	0.31
1.22	0.55	0.09									0.05	0.43
1.20	0.54	0.09									0.04	0.43
1.29	0.96	0.37	0.15								0.09	0.30
1.16	0.50	0.06									0.02	0.41
1.13	0.48	0.05									0.01	0.40
1.21	0.88	0.30	0.11								0.06	0.27
1.06	0.42	0.02										0.38
1.02	0.38											0.36
1.07	0.70	0.43	0.21	0.04							0.01	0.22
0.90	0.29											0.32
0.83	0.24											0.29
0.87	0.50	0.28	0.08								0.15	0.33
0.68	0.14											0.23
0.61	0.09											0.19
0.64	0.39	0.11									0.08	0.22
0.50	0.01											0.14
0.46												0.12
0.52	0.28	0.02									0.04	0.16
0.37												0.09
0.33												0.07
0.39	0.18											0.10
0.25						0.03						0.03

Armatura verticale superiore (esterna) necessaria

0.04						0.02						
						0.01	0.01					
0.03								0.07				
0.10	0.05	0.03						0.07	0.06			
0.01								0.07	0.05			
0.01								0.03	0.01			
0.07								0.05	0.04	0.03	0.02	
								0.07	0.05	0.03		
					0.02							
					0.02							
					0.01							
												0.06
0.04												
0.09	0.04	0.03				0.06	0.09	0.10	0.09	0.07	0.05	0.03
0.07												0.01

Armatura Orizzontale $\Phi 12$. Armatura Verticale a doppio strato $\Phi 14$ per 1.10 m in elevazione, a partire dalla platea di fondazione, e $\Phi 12$ di ripresa. Per armatura superiore si intende quella sulla faccia rivolta verso l'esterno della vasca, mentre quella inferiore è sulla faccia rivolta verso l'interno.

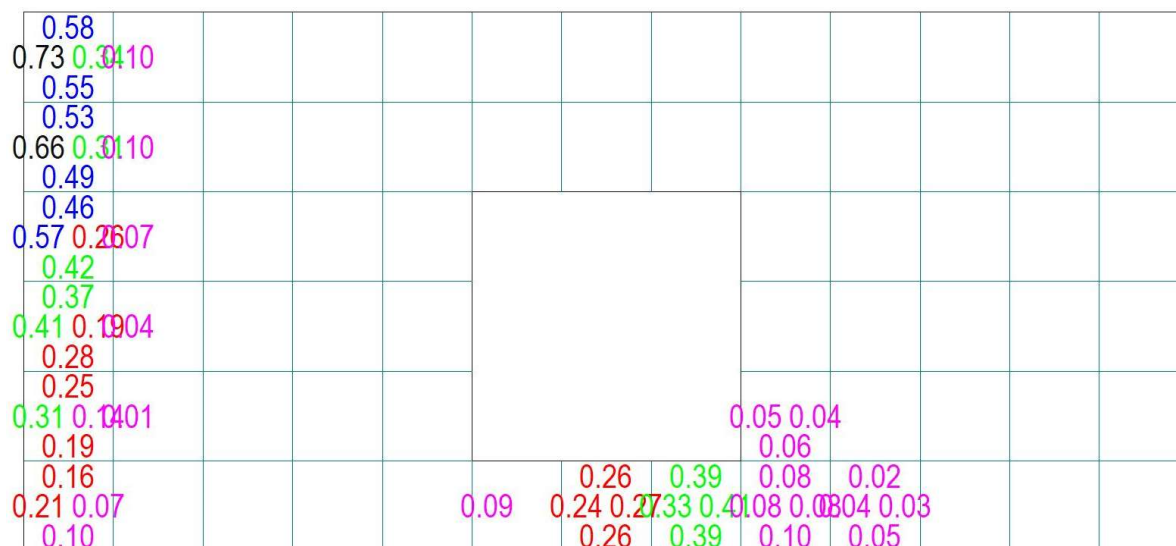
Passo pari a 20 cm per tutte le armature.

Applicando queste armature alla parete, essa risulta verificata allo SLU.

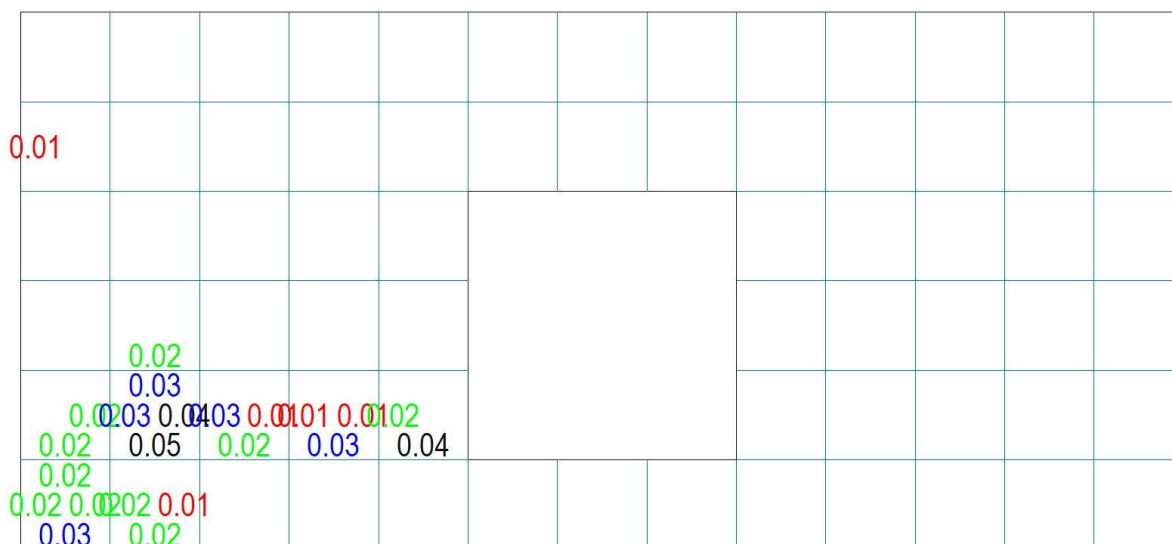
PARETE DI USCITA

La parete ha uno spessore di 30 cm, e per permettere l'uscita dalla vasca delle acque raccolte vi è una tubazione di scarico $\Phi 1000$ in cls.

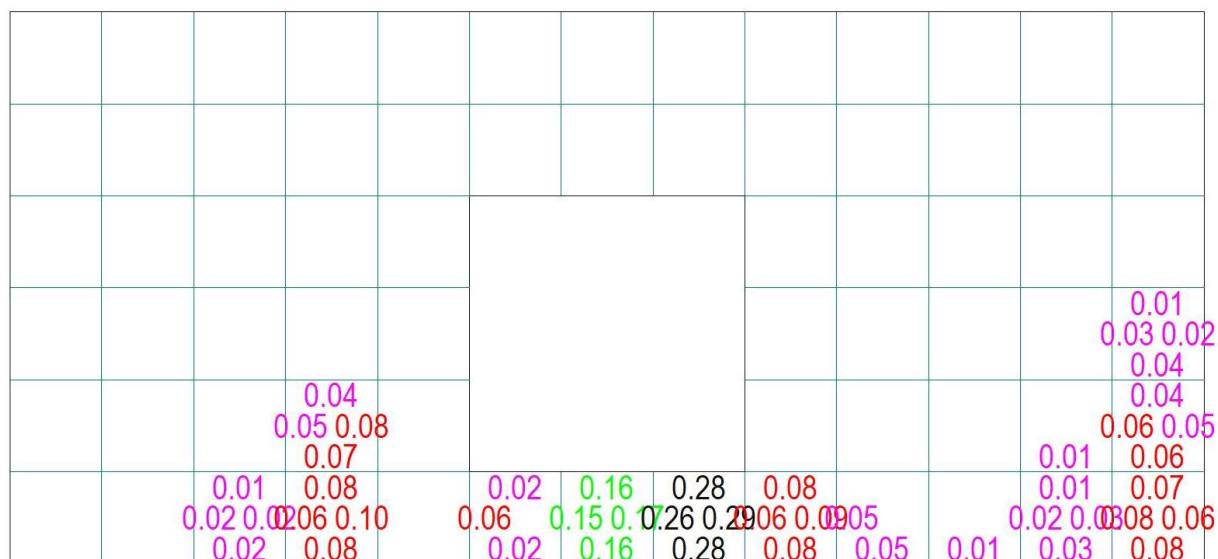
Armatura orizzontale inferiore necessaria



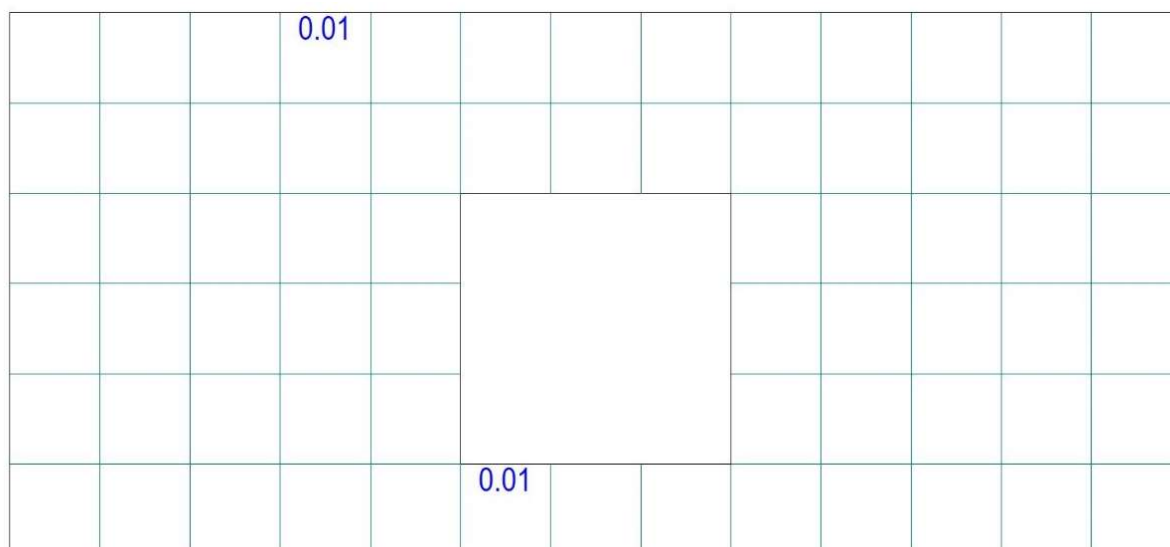
Armatura verticale inferiore necessaria



Armatura orizzontale superiore necessaria



Armatura verticale superiore necessaria



Armatura Orizzontale $\Phi 12$. Armatura Verticale a doppio strato $\Phi 14$ per 1,10 m in elevazione, a partire dalla platea di fondazione, e $\Phi 12$ di ripresa. Per armatura superiore si intende quella sulla faccia rivolta verso l'interno della vasca, mentre quella inferiore è sulla faccia rivolta verso l'esterno.

Passo pari a 20 cm per tutte le armature.

Applicando queste armature alla parete, essa risulta verificata allo SLU.

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6.1. DIMENSIONAMENTO E VERIFICA DELLE PIASTRE IN C.A. – SLE

Avendo eseguito tutte le verifiche necessarie per il dimensionamento allo stato limite ultimo delle pareti / piastre che compongono le opere in progetto, intese come pareti in calcestruzzo armato, non rimane che analizzare le condizioni di esercizio.

In accordo con quanto riportato all'interno della normativa si procederà a valutare lo stato tensionale d'esercizio e l'apertura delle fessure.

Si verifica in particolar modo che:

- $\sigma_{c,max} \leq 0.60 f_{ck} = 0.60 * 29 = 17.4 \text{ N/mm}^2$ per combinazione caratteristica;
- $\sigma_{c,max} \leq 0.45 f_{ck} = 0.45 * 29 = 13.05 \text{ N/mm}^2$ per combinazione quasi permanente;
- $\sigma_{s,max} \leq 0.80 f_{yk} = 0.8 * 450 = 360 \text{ N/mm}^2$ per combinazione caratteristica;
- apertura delle fessure $< w_2 = 0,4 \text{ mm}$ per combinazione frequente;
- apertura delle fessure $< w_1 = 0,3 \text{ mm}$ per combinazione quasi permanente.

Introducendo nel modello di calcolo i campi di armatura precedentemente individuati si ottengono i risultati riportati all'interno dell'allegato validi per stato limite di esercizio; tali valori dimostrano come tutte le condizioni precedentemente elencate siano rispettate per tutti i gusci costituenti il manufatto.

7. VERIFICA A CAPACITÀ PORTANTE

Nel seguente paragrafo si esegue la verifica a capacità portante del manufatto per il quale è stata eseguita un'analisi con modello tridimensionale.

Il calcolo della capacità portante viene eseguito secondo la formula trinomia riportata di seguito, che considera separatamente i contributi dovuti al peso del terreno, alla coesione ed al sovraccarico.

$$q_{lim} = \frac{1}{2} * \gamma * B' * N_{\gamma} * s_{\gamma} d_{\gamma} i_{\gamma} b_{\gamma} g_{\gamma} h_{\gamma} + c' * N_c * s_c d_c i_c b_c g_c h_c + q' * N_q * s_q d_q i_q b_q g_q h_q$$

Possiamo notare come nella formula ci sono diversi termini necessari a tenere conto di diversi aspetti:

- I coefficienti N_q (Prandtl, 1921), N_c (Reissner, 1924), N_{γ} (Vesic, 1973) per la capacità portate;
- I coefficienti correttivi s_{γ} , s_c e s_q (Meyerhof, 1951 e 1963) dovuti alla forma della fondazione;
- I coefficienti correttivi d_{γ} , d_c e d_q (Brinch Hansen, 1970) dovuti alla profondità della fondazione;
- I coefficienti correttivi i_{γ} , i_c e i_q (Vesic, 1973) dovuti all'inclinazione del carico;
- I coefficienti correttivi b_{γ} , b_c e b_q (Brinch Hansen, 1970) dovuti all'inclinazione del piano di posa;
- I coefficienti correttivi g_{γ} , g_c e g_q (Brinch Hansen, 1970) dovuti all'inclinazione del piano campagna;
- I coefficienti correttivi h_{γ} , h_c e h_q (Maugeri e Novità, 2004) dovuti all'azione sismica;

Da quanto evidenziato dalla caratterizzazione geotecnica dei terreni, è stato considerato, a favore di sicurezza un unico strato di terreno di riporto con caratteristiche medio-scendenti che presentano i seguenti parametri:

- $\phi' = 22^\circ$;
- $\gamma' = 18 \text{ kN/m}^3$;

- $c' = 0 \text{ kPa}$

Date le caratteristiche scadenti dei terreni in sito, al fine di garantire un'adeguata portanza del piano d'appoggio alla fondazione dei manufatti interrati, prima della esecuzione delle platee delle vasche è prevista una bonifica del fondo mediante l'asportazione dei primi 1,5 m di terreno a partire dal piano d'appoggio della fondazione e sostituzione di tale strato con terreno proveniente da cava di idonee caratteristiche geotecniche.

Per quello che riguarda la posizione della falda, è stata posta ad una profondità coincidente con il piano inferiore della platea di fondazione considerata.

La verifica è stata eseguita con il software IPERFOND della IS-DOLMEN applicando la combinazione (A1+M1+R3) di coefficienti parziali prevista dall'approccio 2 per lo stato limite ultimo. Il programma importa direttamente le azioni dal modello tridimensionale per i diversi casi di carico ipotizzati nella modellazione.

Nella tabella seguente sono riportati i casi più sfavorevoli con relativa verifica a capacità portante della platea di fondazione del manufatto considerato.

Per quel che riguarda la "Platea Alta" si sono ottenuti i seguenti risultati:

Condizione di Carico	$Q_{app} \text{ [kPa]}$	$Q_{lim} \text{ [kPa]}$	FS
SLU Senza Sisma	84	85	1.01
SLU con Sisma X Principale	51	126	2.46
SLU con Sisma Y Principale	52	124	2.41
SLU Fondazione con Sisma X Principale	51	128	2.49
SLU Fondazione con Sisma Y Principale	51	126	2.44

Per quel che riguarda la “Platea Bassa” si sono ottenuti i seguenti risultati:

Condizione di Carico	Q_{app} [kPa]	Q_{lim} [kPa]	FS
SLU Senza Sisma	83	248	2.98
SLU con Sisma X Principale	51	252	4.91
SLU con Sisma Y Principale	51	251	4.90
SLU Fondazione con Sisma X Principale	51	253	4.93
SLU Fondazione con Sisma Y Principale	51	252	4.91

ALLEGATO 1 - STATO LIMITE ULTIMO

MACROGUSCIO Platea_Alta

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:
lunghezze : [m] - forze : [kN]
momenti : [kNm/m] - tensioni : [kPa]
pesi specifici: [kN/m3] - angoli : [gradi]
armature : [cm2]

CASI DI CARICO:

Nome	Descrizione
1	SLU SENZA SISMA
4	SLU con SISMAX PRINC
5	SLU con SISMAX PRINC

DATI:

tensione di snervamento acciaio (fyk): 450000 kPa
coefficiente sicurezza acciaio : 1.15
deformazione ultima acciaio : 67.5 per mille
deformazione ultima cls : 3.5 per mille
rapporto rottura/snervamento (k): 1.15
resistenza cilindrica cls (fck): 29050 kPa
coefficiente sicurezza cls : 1.5
coefficiente riduttivo (alfa): 0.85
copriferro inferiore (asse armatura): 0.03 m
copriferro superiore (asse armatura): 0.03 m
moltiplicatore sollecitazioni : 1

INFERIORE ORIZZONTALE										INFERIORE VERTICALE									
GUSC	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
1	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	11.	0.	0.06	0.19						
2	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	13.	0.	0.07	0.23						
3	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	15.	0.	0.08	0.26						
4	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	17.	0.	0.09	0.29						
5	0.4	7.89	7.89	1.	0.	0.01	0.03	7.98	7.98	20.	0.	0.11	0.35						
6	0.4	7.89	7.89	3.	0.	0.02	0.05	7.98	7.98	21.	0.	0.07	0.43						
7	0.4	7.89	7.89	5.	0.	0.03	0.08	7.98	7.98	22.	0.	0.06	0.46						
8	0.4	7.89	7.89	6.	0.	0.04	0.11	7.98	7.98	23.	0.	0.06	0.49						
9	0.4	7.89	7.89	11.	2.	0.00	0.80	7.98	7.98	22.	0.	0.04	0.53						
10	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	5.	0.	0.03	0.09						
11	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	7.	0.	0.04	0.12						
12	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	8.	0.	0.04	0.14						
13	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	9.	0.	0.05	0.16						
14	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	11.	0.	0.06	0.20						
15	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	13.	0.	0.02	0.29						
16	0.4	7.89	7.89	4.	0.	0.02	0.07	7.98	7.98	14.	0.	0.01	0.32						
17	0.4	7.89	7.89	6.	0.	0.04	0.11	7.98	7.98	15.	0.	0.00	0.35						
18	0.4	7.89	7.89	11.	2.	0.00	0.74	7.98	7.98	15.	0.	0.00	0.38						
19	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	3.	0.	0.02	0.05						
20	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	3.	0.	0.02	0.05						
21	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	4.	0.	0.02	0.06						
22	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	4.	0.	0.02	0.08						
23	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	6.	0.	0.03	0.10						
24	0.4	7.89	7.89	1.	0.	0.01	0.02	7.98	7.98	7.	0.	0.00	0.17						
25	0.4	7.89	7.89	4.	0.	0.02	0.07	7.98	7.98	7.	0.	0.00	0.19						
26	0.4	7.89	7.89	6.	0.	0.04	0.11	7.98	7.98	8.	0.	0.00	0.22						
27	0.4	7.89	7.89	11.	2.	0.00	0.71	7.98	7.98	8.	0.	0.00	0.24						
28	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	2.	0.	0.01	0.03						
29	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	1.	0.	0.01	0.03						
30	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	1.	0.	0.01	0.02						
31	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	2.	0.	0.01	0.03						
32	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	2.	0.	0.01	0.03						
33	0.4	7.89	7.89	1.	0.	0.00	0.01	7.98	7.98	3.	0.	0.00	0.09						
34	0.4	7.89	7.89	3.	0.	0.02	0.06	7.98	7.98	3.	0.	0.00	0.11						
35	0.4	7.89	7.89	6.	0.	0.04	0.11	7.98	7.98	4.	0.	0.00	0.13						
36	0.4	7.89	7.89	11.	2.	0.00	0.67	7.98	7.98	4.	0.	0.00	0.15						
37	0.4	7.89	7.89	1.	0.	0.00	0.01	7.98	7.98	0.	0.	0.00	0.01						
38	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00						
39	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00						
40	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00						
41	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.01						
42	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.04						
43	0.4	7.89	7.89	3.	0.	0.00	0.05	7.98	7.98	0.	0.	0.00	0.05						
44	0.4	7.89	7.89	7.	0.	0.04	0.12	7.98	7.98	0.	0.	0.00	0.06						
45	0.4	7.89	7.89	11.	1.	0.00	0.61	7.98	7.98	1.	0.	0.00	0.09						
46	0.4	7.89	7.89	1.	0.	0.01	0.02	7.98	7.98	0.	0.	0.00	0.00						
47	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00						
48	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00						
49	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00						

50	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.01
51	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.04
52	0.4	7.89	7.89	2.	0.	0.00	0.04	7.98	7.98	0.	0.	0.00	0.05
53	0.4	7.89	7.89	7.	0.	0.00	0.12	7.98	7.98	0.	0.	0.00	0.06
54	0.4	7.89	7.89	11.	1.	0.00	0.58	7.98	7.98	0.	0.	0.00	0.07
55	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	0.	0.	0.00	0.00
56	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
57	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
58	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
59	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.01
60	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.04
61	0.4	7.89	7.89	2.	0.	0.00	0.03	7.98	7.98	0.	0.	0.00	0.05
62	0.4	7.89	7.89	6.	0.	0.00	0.11	7.98	7.98	0.	0.	0.00	0.06
63	0.4	7.89	7.89	11.	1.	0.00	0.56	7.98	7.98	0.	0.	0.00	0.07
64	0.4	7.89	7.89	3.	0.	0.02	0.05	7.98	7.98	0.	0.	0.00	0.00
65	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
66	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
67	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
68	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.01
69	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.04
70	0.4	7.89	7.89	1.	0.	0.00	0.02	7.98	7.98	0.	0.	0.00	0.05
71	0.4	7.89	7.89	6.	0.	0.00	0.11	7.98	7.98	0.	0.	0.00	0.06
72	0.4	7.89	7.89	12.	1.	0.00	0.54	7.98	7.98	0.	0.	0.00	0.07
73	0.4	7.89	7.89	3.	0.	0.02	0.06	7.98	7.98	0.	0.	0.00	0.00
74	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
75	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
76	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
77	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.01
78	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.04
79	0.4	7.89	7.89	1.	0.	0.00	0.02	7.98	7.98	0.	0.	0.00	0.04
80	0.4	7.89	7.89	6.	0.	0.00	0.10	7.98	7.98	0.	0.	0.00	0.05
81	0.4	7.89	7.89	12.	1.	0.00	0.55	7.98	7.98	0.	0.	0.00	0.07
82	0.4	7.89	7.89	4.	0.	0.02	0.06	7.98	7.98	0.	0.	0.00	0.00
83	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	0.	0.	0.00	0.00
84	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
85	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.00
86	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.01
87	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.03
88	0.4	7.89	7.89	1.	0.	0.00	0.02	7.98	7.98	0.	0.	0.00	0.04
89	0.4	7.89	7.89	5.	0.	0.00	0.10	7.98	7.98	0.	0.	0.00	0.04
90	0.4	7.89	7.89	12.	1.	0.00	0.62	7.98	7.98	0.	0.	0.00	0.06
91	0.4	7.89	7.89	4.	0.	0.02	0.06	7.98	7.98	1.	0.	0.01	0.02
92	0.4	7.89	7.89	1.	0.	0.00	0.01	7.98	7.98	1.	0.	0.01	0.02
93	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	1.	0.	0.01	0.01
94	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.01
95	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.01
96	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	1.	0.	0.00	0.03
97	0.4	7.89	7.89	1.	0.	0.01	0.03	7.98	7.98	1.	0.	0.00	0.04
98	0.4	7.89	7.89	5.	0.	0.03	0.09	7.98	7.98	1.	0.	0.00	0.05
99	0.4	7.89	7.89	12.	1.	0.00	0.65	7.98	7.98	2.	0.	0.00	0.07
100	0.4	7.89	7.89	4.	0.	0.02	0.07	7.98	7.98	2.	0.	0.01	0.04
101	0.4	7.89	7.89	1.	0.	0.00	0.01	7.98	7.98	2.	0.	0.01	0.04
102	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	2.	0.	0.01	0.04
103	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	2.	0.	0.01	0.04
104	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	3.	0.	0.01	0.05
105	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	3.	0.	0.00	0.07
106	0.4	7.89	7.89	2.	0.	0.01	0.03	7.98	7.98	4.	0.	0.00	0.09
107	0.4	7.89	7.89	5.	0.	0.03	0.09	7.98	7.98	4.	0.	0.00	0.10
108	0.4	7.89	7.89	12.	2.	0.00	0.67	7.98	7.98	5.	0.	0.00	0.12
109	0.4	7.89	7.89	4.	0.	0.02	0.07	7.98	7.98	4.	0.	0.02	0.06
110	0.4	7.89	7.89	1.	0.	0.01	0.02	7.98	7.98	4.	0.	0.02	0.07
111	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	5.	0.	0.03	0.08
112	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	5.	0.	0.03	0.09
113	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	6.	0.	0.03	0.11
114	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	7.	0.	0.02	0.16
115	0.4	7.89	7.89	2.	0.	0.01	0.03	7.98	7.98	8.	0.	0.01	0.18
116	0.4	7.89	7.89	5.	0.	0.03	0.09	7.98	7.98	8.	0.	0.01	0.19
117	0.4	7.89	7.89	12.	2.	0.00	0.71	7.98	7.98	9.	0.	0.00	0.21

14	0.4	7.89	7.89	1.	0.	0.01	0.02	7.98	7.98	0.	0.	0.00	0.01
15	0.4	7.89	7.89	1.	0.	0.00	0.01	7.98	7.98	0.	0.	0.00	0.07
16	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.08
17	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.10
18	0.4	7.89	7.89	0.	2.	0.00	0.56	7.98	7.98	0.	0.	0.00	0.12
19	0.4	7.89	7.89	1.	0.	0.01	0.03	7.98	7.98	0.	0.	0.00	0.00
20	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	0.	0.	0.00	0.00
21	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	0.	0.	0.00	0.00
22	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	0.	0.	0.00	0.00
23	0.4	7.89	7.89	2.	0.	0.01	0.03	7.98	7.98	0.	0.	0.00	0.01
24	0.4	7.89	7.89	1.	0.	0.00	0.02	7.98	7.98	0.	0.	0.00	0.05
25	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.07
26	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.08
27	0.4	7.89	7.89	0.	2.	0.00	0.52	7.98	7.98	0.	0.	0.00	0.10
28	0.4	7.89	7.89	0.	0.	0.01	0.02	7.98	7.98	0.	0.	0.00	0.01
29	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	0.	0.	0.00	0.00
30	0.4	7.89	7.89	2.	0.	0.02	0.05	7.98	7.98	0.	0.	0.00	0.00
31	0.4	7.89	7.89	3.	0.	0.02	0.05	7.98	7.98	0.	0.	0.00	0.00
32	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	0.	0.	0.00	0.01
33	0.4	7.89	7.89	1.	0.	0.01	0.02	7.98	7.98	0.	0.	0.00	0.05
34	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.05
35	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.07
36	0.4	7.89	7.89	0.	2.	0.00	0.49	7.98	7.98	0.	0.	0.00	0.08
37	0.4	7.89	7.89	0.	0.	0.01	0.02	7.98	7.98	1.	0.	0.00	0.01
38	0.4	7.89	7.89	2.	0.	0.02	0.05	7.98	7.98	1.	0.	0.00	0.01
39	0.4	7.89	7.89	3.	0.	0.02	0.06	7.98	7.98	1.	0.	0.00	0.01
40	0.4	7.89	7.89	3.	0.	0.02	0.06	7.98	7.98	0.	0.	0.00	0.01
41	0.4	7.89	7.89	3.	0.	0.02	0.06	7.98	7.98	0.	0.	0.00	0.02
42	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	1.	0.	0.00	0.05
43	0.4	7.89	7.89	1.	0.	0.00	0.01	7.98	7.98	1.	0.	0.00	0.06
44	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.07
45	0.4	7.89	7.89	0.	1.	0.00	0.41	7.98	7.98	0.	0.	0.00	0.08
46	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	1.	0.	0.01	0.02
47	0.4	7.89	7.89	2.	0.	0.02	0.05	7.98	7.98	1.	0.	0.01	0.03
48	0.4	7.89	7.89	3.	0.	0.02	0.07	7.98	7.98	2.	0.	0.01	0.03
49	0.4	7.89	7.89	4.	0.	0.02	0.07	7.98	7.98	2.	0.	0.01	0.03
50	0.4	7.89	7.89	3.	0.	0.02	0.07	7.98	7.98	2.	0.	0.01	0.04
51	0.4	7.89	7.89	3.	0.	0.01	0.05	7.98	7.98	2.	0.	0.00	0.08
52	0.4	7.89	7.89	1.	0.	0.00	0.01	7.98	7.98	2.	0.	0.00	0.08
53	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	2.	0.	0.00	0.08
54	0.4	7.89	7.89	0.	1.	0.00	0.38	7.98	7.98	1.	0.	0.00	0.09
55	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	3.	0.	0.02	0.05
56	0.4	7.89	7.89	2.	0.	0.02	0.05	7.98	7.98	3.	0.	0.02	0.05
57	0.4	7.89	7.89	4.	0.	0.02	0.07	7.98	7.98	3.	0.	0.02	0.05
58	0.4	7.89	7.89	4.	0.	0.03	0.08	7.98	7.98	3.	0.	0.02	0.05
59	0.4	7.89	7.89	4.	0.	0.02	0.07	7.98	7.98	3.	0.	0.02	0.06
60	0.4	7.89	7.89	3.	0.	0.02	0.05	7.98	7.98	3.	0.	0.00	0.08
61	0.4	7.89	7.89	1.	0.	0.00	0.01	7.98	7.98	3.	0.	0.00	0.09
62	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	2.	0.	0.00	0.09
63	0.4	7.89	7.89	0.	1.	0.00	0.36	7.98	7.98	2.	0.	0.00	0.10
64	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	3.	0.	0.02	0.06
65	0.4	7.89	7.89	2.	0.	0.02	0.06	7.98	7.98	4.	0.	0.02	0.06
66	0.4	7.89	7.89	4.	0.	0.02	0.08	7.98	7.98	4.	0.	0.02	0.06
67	0.4	7.89	7.89	4.	0.	0.03	0.08	7.98	7.98	3.	0.	0.02	0.06
68	0.4	7.89	7.89	4.	0.	0.02	0.07	7.98	7.98	3.	0.	0.02	0.06
69	0.4	7.89	7.89	3.	0.	0.02	0.05	7.98	7.98	3.	0.	0.00	0.08
70	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	2.	0.	0.00	0.08
71	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	2.	0.	0.00	0.09
72	0.4	7.89	7.89	0.	1.	0.00	0.33	7.98	7.98	2.	0.	0.00	0.10
73	0.4	7.89	7.89	0.	0.	0.01	0.02	7.98	7.98	3.	0.	0.02	0.06
74	0.4	7.89	7.89	2.	0.	0.02	0.06	7.98	7.98	3.	0.	0.02	0.06
75	0.4	7.89	7.89	4.	0.	0.02	0.08	7.98	7.98	3.	0.	0.02	0.06
76	0.4	7.89	7.89	4.	0.	0.03	0.08	7.98	7.98	3.	0.	0.02	0.05
77	0.4	7.89	7.89	4.	0.	0.02	0.07	7.98	7.98	3.	0.	0.02	0.05
78	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	3.	0.	0.00	0.07
79	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	2.	0.	0.00	0.07
80	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	2.	0.	0.00	0.08
81	0.4	7.89	7.89	0.	1.	0.00	0.34	7.98	7.98	1.	0.	0.00	0.08
82	0.4	7.89	7.89	0.	0.	0.01	0.02	7.98	7.98	3.	0.	0.02	0.05
83	0.4	7.89	7.89	2.	0.	0.02	0.05	7.98	7.98	3.	0.	0.02	0.05
84	0.4	7.89	7.89	3.	0.	0.02	0.07	7.98	7.98	3.	0.	0.01	0.05
85	0.4	7.89	7.89	4.	0.	0.02	0.07	7.98	7.98	2.	0.	0.01	0.04
86	0.4	7.89	7.89	3.	0.	0.02	0.06	7.98	7.98	2.	0.	0.01	0.04
87	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	2.	0.	0.00	0.05
88	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	1.	0.	0.00	0.05
89	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	1.	0.	0.00	0.06
90	0.4	7.89	7.89	0.	1.	0.00	0.41	7.98	7.98	0.	0.	0.00	0.06
91	0.4	7.89	7.89	0.	0.	0.00	0.02	7.98	7.98	2.	0.	0.01	0.04
92	0.4	7.89	7.89	2.	0.	0.02	0.05	7.98	7.98	2.	0.	0.01	0.03
93	0.4	7.89	7.89	3.	0.	0.02	0.06	7.98	7.98	2.	0.	0.01	0.03
94	0.4	7.89	7.89	3.	0.	0.02	0.06	7.98	7.98	1.	0.	0.01	0.02
95	0.4	7.89	7.89	3.	0.	0.02	0.05	7.98	7.98	1.	0.	0.00	0.01
96	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	0.	0.	0.00	0.02
97	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	0.	0.	0.00	0.03

98	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.03
99	0.4	7.89	7.89	0.	1.	0.00	0.44	7.98	7.98	0.	0.	0.00	0.04
100	0.4	7.89	7.89	0.	0.	0.01	0.02	7.98	7.98	1.	0.	0.01	0.02
101	0.4	7.89	7.89	2.	0.	0.02	0.05	7.98	7.98	1.	0.	0.00	0.01
102	0.4	7.89	7.89	3.	0.	0.02	0.06	7.98	7.98	0.	0.	0.00	0.00
103	0.4	7.89	7.89	3.	0.	0.02	0.06	7.98	7.98	0.	0.	0.00	0.00
104	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	0.	0.	0.00	0.00
105	0.4	7.89	7.89	2.	0.	0.01	0.03	7.98	7.98	0.	0.	0.00	0.02
106	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	0.	0.	0.00	0.03
107	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.04
108	0.4	7.89	7.89	0.	1.	0.00	0.46	7.98	7.98	0.	0.	0.00	0.05
109	0.4	7.89	7.89	0.	0.	0.01	0.02	7.98	7.98	0.	0.	0.00	0.00
110	0.4	7.89	7.89	2.	0.	0.01	0.05	7.98	7.98	0.	0.	0.00	0.00
111	0.4	7.89	7.89	3.	0.	0.02	0.05	7.98	7.98	0.	0.	0.00	0.00
112	0.4	7.89	7.89	2.	0.	0.01	0.05	7.98	7.98	0.	0.	0.00	0.00
113	0.4	7.89	7.89	2.	0.	0.01	0.04	7.98	7.98	0.	0.	0.00	0.01
114	0.4	7.89	7.89	2.	0.	0.01	0.03	7.98	7.98	0.	0.	0.00	0.04
115	0.4	7.89	7.89	0.	0.	0.00	0.01	7.98	7.98	0.	0.	0.00	0.05
116	0.4	7.89	7.89	0.	0.	0.00	0.00	7.98	7.98	0.	0.	0.00	0.07
117	0.4	7.89	7.89	0.	1.	0.00	0.49	7.98	7.98	0.	0.	0.00	0.08

***** TAGLIO PERPENDICOLARE

USC1	tauX	tauY	tauT	GUSC1	tauX	tauY	tauT	GUSC1	tauX	tauY	tauT
1	19.3	16.7	19.9	2	23.3	40.9	37.5	3	21.5	54.4	51.2
4	20.2	64.0	61.1	5	18.8	69.5	67.3	6	15.4	66.0	65.9
7	17.5	61.2	52.1	8	35.1	76.5	57.0	9	97.2	88.7	95.9
10	16.9	9.6	15.9	11	15.1	24.5	23.8	12	17.0	35.2	34.8
13	18.3	41.9	42.1	14	19.2	44.6	45.8	15	19.4	45.2	45.9
16	23.6	49.6	47.5	17	35.0	51.7	55.0	18	66.7	97.0	90.9
19	15.8	3.2	12.2	20	6.2	14.2	11.4	21	7.8	24.1	21.9
22	11.1	30.0	29.3	23	15.4	33.1	33.9	24	19.7	37.3	38.7
25	23.3	35.7	39.0	26	27.1	36.7	41.9	27	25.1	36.8	39.8
28	27.5	7.9	23.9	29	13.6	4.7	12.7	30	2.2	15.8	13.3
31	5.6	20.5	19.2	32	10.3	23.0	23.7	33	18.1	27.3	29.9
34	20.6	22.3	29.4	35	25.5	20.2	30.8	36	33.2	17.5	32.5
37	46.3	9.6	40.6	38	19.5	4.8	18.3	39	8.5	10.1	11.7
40	2.0	13.4	12.4	41	8.1	17.1	18.1	42	19.0	17.7	25.2
43	22.6	13.4	25.6	44	29.2	12.1	30.4	45	45.9	8.8	42.5
46	46.4	23.1	46.0	47	22.5	9.8	22.4	48	14.1	10.2	14.9
49	3.0	9.1	8.9	50	7.6	12.2	12.6	51	19.9	11.6	21.6
52	24.8	7.4	24.9	53	33.3	5.9	32.7	54	53.1	3.8	50.6
55	33.7	15.9	33.2	56	22.1	7.3	21.5	57	15.2	6.0	15.0
58	2.6	6.0	5.3	59	8.5	6.2	9.6	60	20.6	5.9	20.5
61	26.0	1.6	25.3	62	36.2	1.5	35.2	63	56.9	0.7	55.4
64	30.8	4.0	28.0	65	19.1	1.0	18.7	66	11.6	1.4	11.1
67	2.8	1.0	2.5	68	8.3	1.7	7.8	69	24.4	3.8	22.2
70	28.8	2.9	27.7	71	36.5	2.4	35.3	72	55.7	2.5	55.0
73	35.9	13.3	35.1	74	19.2	5.5	19.5	75	10.3	4.7	10.7
76	3.1	4.8	4.6	77	8.0	4.4	8.1	78	21.4	9.2	22.2
79	26.3	4.1	26.0	80	36.8	3.8	36.6	81	58.1	5.8	57.7
82	38.3	7.7	37.6	83	20.7	7.0	20.5	84	10.0	9.1	12.3
85	1.6	10.1	9.3	86	8.0	10.0	11.5	87	20.4	15.5	23.3
88	26.3	8.3	26.8	89	36.5	7.1	36.0	90	58.8	9.8	58.1
91	34.7	4.4	31.3	92	17.0	8.5	16.9	93	7.1	13.5	13.8
94	1.9	16.1	15.2	95	8.3	16.8	17.3	96	17.4	19.3	23.6
97	25.2	13.3	25.9	98	34.6	12.2	35.0	99	57.7	13.8	57.2
100	23.5	4.9	20.1	101	9.1	13.2	12.6	102	1.3	21.2	18.9
103	4.1	24.8	23.7	104	7.6	24.5	25.1	105	13.3	22.9	24.6
106	21.6	16.4	23.3	107	38.0	15.0	37.9	108	59.0	34.0	58.9
109	12.7	12.8	11.4	110	5.7	25.1	18.8	111	5.5	37.1	32.8
112	4.1	42.8	40.4	113	4.3	43.1	42.6	114	7.1	40.4	38.4
115	11.5	25.9	20.3	116	37.8	6.1	25.5	117	102.7	94.4	103.3

deformazione ultima acciaio : 67.5 per mille
deformazione ultima cls : 3.5 per mille
rapporto rottura/snervamento (k): 1.15
resistenza cilindrica cls (fck): 29050 kPa
coefficiente sicurezza cls : 1.5
coefficiente riduttivo (alfa): 0.85
copriferro inferiore (asse armatura): 0.03 m
copriferro superiore (asse armatura): 0.03 m
moltiplicatore sollecitazioni : 1

INFERIORE ORIZZONTALE										INFERIORE VERTICALE									
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
118	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	14.	0.	0.08	0.25	14.	0.	0.08	0.25	14.	0.
119	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	18.	0.	0.10	0.31	18.	0.	0.10	0.31	18.	0.
120	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	20.	0.	0.11	0.36	20.	0.	0.11	0.36	20.	0.
121	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	23.	0.	0.13	0.40	23.	0.	0.13	0.40	23.	0.
122	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	27.	0.	0.15	0.48	27.	0.	0.15	0.48	27.	0.
123	0.4	7.89	7.89	4.	0.	0.02	0.07	7.87	7.87	30.	0.	0.17	0.53	30.	0.	0.17	0.53	30.	0.
124	0.4	7.89	7.89	5.	0.	0.03	0.08	7.87	7.87	30.	0.	0.17	0.54	30.	0.	0.17	0.54	30.	0.
125	0.4	7.89	7.89	5.	0.	0.03	0.08	7.87	7.87	29.	0.	0.16	0.52	29.	0.	0.16	0.52	29.	0.
126	0.4	7.89	7.89	4.	0.	0.02	0.08	7.87	7.87	27.	0.	0.15	0.48	27.	0.	0.15	0.48	27.	0.
127	0.4	7.89	7.89	4.	0.	0.02	0.07	7.87	7.87	26.	0.	0.14	0.46	26.	0.	0.14	0.46	26.	0.
128	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	23.	0.	0.13	0.41	23.	0.	0.13	0.41	23.	0.
129	0.4	7.89	7.89	3.	0.	0.01	0.04	7.87	7.87	20.	0.	0.11	0.35	20.	0.	0.11	0.35	20.	0.
130	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	17.	0.	0.10	0.31	17.	0.	0.10	0.31	17.	0.
131	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	15.	0.	0.08	0.27	15.	0.	0.08	0.27	15.	0.
132	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	13.	0.	0.07	0.22	13.	0.	0.07	0.22	13.	0.
133	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	7.	0.	0.04	0.12	7.	0.	0.04	0.12	7.	0.
134	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	9.	0.	0.05	0.16	9.	0.	0.05	0.16	9.	0.
135	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	11.	0.	0.06	0.20	11.	0.	0.06	0.20	11.	0.
136	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	13.	0.	0.07	0.23	13.	0.	0.07	0.23	13.	0.
137	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	16.	0.	0.09	0.28	16.	0.	0.09	0.28	16.	0.
138	0.4	7.89	7.89	3.	0.	0.01	0.05	7.87	7.87	18.	0.	0.10	0.31	18.	0.	0.10	0.31	18.	0.
139	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	19.	0.	0.10	0.33	19.	0.	0.10	0.33	19.	0.
140	0.4	7.89	7.89	4.	0.	0.02	0.06	7.87	7.87	19.	0.	0.10	0.33	19.	0.	0.10	0.33	19.	0.
141	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	18.	0.	0.10	0.32	18.	0.	0.10	0.32	18.	0.
142	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	16.	0.	0.09	0.29	16.	0.	0.09	0.29	16.	0.
143	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	14.	0.	0.08	0.25	14.	0.	0.08	0.25	14.	0.
144	0.4	7.89	7.89	3.	0.	0.01	0.04	7.87	7.87	12.	0.	0.07	0.22	12.	0.	0.07	0.22	12.	0.
145	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	11.	0.	0.06	0.19	11.	0.	0.06	0.19	11.	0.
146	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	9.	0.	0.05	0.17	9.	0.	0.05	0.17	9.	0.
147	0.4	7.89	7.89	3.	0.	0.01	0.05	7.87	7.87	8.	0.	0.04	0.14	8.	0.	0.04	0.14	8.	0.
148	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	5.	0.	0.03	0.09	5.	0.	0.03	0.09	5.	0.
149	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	6.	0.	0.03	0.10	6.	0.	0.03	0.10	6.	0.
150	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	6.	0.	0.03	0.11	6.	0.	0.03	0.11	6.	0.
151	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	7.	0.	0.04	0.12	7.	0.	0.04	0.12	7.	0.
152	0.4	7.89	7.89	1.	0.	0.00	0.01	7.87	7.87	8.	0.	0.05	0.14	8.	0.	0.05	0.14	8.	0.
153	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	9.	0.	0.05	0.17	9.	0.	0.05	0.17	9.	0.
154	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	10.	0.	0.06	0.18	10.	0.	0.06	0.18	10.	0.
155	0.4	7.89	7.89	3.	0.	0.01	0.05	7.87	7.87	11.	0.	0.06	0.19	11.	0.	0.06	0.19	11.	0.
156	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	11.	0.	0.06	0.19	11.	0.	0.06	0.19	11.	0.
157	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	10.	0.	0.06	0.19	10.	0.	0.06	0.19	10.	0.
158	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	10.	0.	0.05	0.17	10.	0.	0.05	0.17	10.	0.
159	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	8.	0.	0.05	0.15	8.	0.	0.05	0.15	8.	0.
160	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	8.	0.	0.04	0.14	8.	0.	0.04	0.14	8.	0.
161	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	7.	0.	0.04	0.13	7.	0.	0.04	0.13	7.	0.
162	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	6.	0.	0.04	0.12	6.	0.	0.04	0.12	6.	0.
163	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04	2.	0.	0.01	0.04	2.	0.
164	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04	2.	0.	0.01	0.04	2.	0.
165	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04	2.	0.	0.01	0.04	2.	0.
166	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04	2.	0.	0.01	0.04	2.	0.
167	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	3.	0.	0.01	0.05	3.	0.	0.01	0.05	3.	0.
168	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	3.	0.	0.02	0.06	3.	0.	0.02	0.06	3.	0.
169	0.4	7.89	7.89	1.	0.	0.01	0.03	7.87	7.87	4.	0.	0.02	0.07	4.	0.	0.02	0.07	4.	0.
170	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	5.	0.	0.03	0.09	5.	0.	0.03	0.09	5.	0.
171	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	6.	0.	0.03	0.10	6.	0.	0.03	0.10	6.	0.
172	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	6.	0.	0.03	0.10	6.	0.	0.03	0.10	6.	0.
173	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	6.	0.	0.03	0.10	6.	0.	0.03	0.10	6.	0.
174	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	6.	0.	0.03	0.10	6.	0.	0.03	0.10	6.	0.
175	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	6.	0.	0.03	0.10	6.	0.	0.03	0.10	6.	0.
176	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	5.	0.	0.03	0.10	5.	0.	0.03	0.10	5.	0.
177	0.4	7.89	7.89	4.	0.	0.02	0.07	7.87	7.87	5.	0.	0.03	0.09	5.	0.	0.03	0.09	5.	0.
178	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00	0.	0.	0.00	0.00	0.	0.
179	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00	0.	0.	0.00	0.00	0.	0.
180	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00	0.	0.	0.00	0.00	0.	0.
181	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00	0.	0.	0.00	0.00	0.	0.
182	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00	0.	0.	0.00	0.00	0.	0.
183	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00	0.	0.	0.00	0.00	0.	0.
184	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00	0.	0.	0.00	0.00	0.	0.
185	0.4	7.89	7.89	1.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00	0.	0.	0.00	0.00	0.	0.
186	0.4	7.89	7.89	1.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00	0.	0.	0.00	0.00	0.	0.
187	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	1.	0.	0.00	0.01	1.	0.	0.00	0.01	1.	0.
188	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	2.	0.	0.01	0.03	2.	0.	0.01	0.03	2.	0.
189	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	2.	0.	0.01	0.04	2.	0.	0.01	0.04	2.	0.

190	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	3.	0.	0.02	0.06
191	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	4.	0.	0.02	0.06
192	0.4	7.89	7.89	5.	0.	0.03	0.09	7.87	7.87	4.	0.	0.02	0.07
193	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
194	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
195	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
196	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
197	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
198	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
199	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
200	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
201	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
202	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
203	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
204	0.4	7.89	7.89	1.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
205	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	1.	0.	0.00	0.01
206	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	1.	0.	0.01	0.02
207	0.4	7.89	7.89	6.	0.	0.03	0.10	7.87	7.87	2.	0.	0.01	0.04
208	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
209	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
210	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
211	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
212	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
213	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
214	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
215	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
216	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
217	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
218	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
219	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
220	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
221	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	0.	0.	0.00	0.00
222	0.4	7.89	7.89	6.	0.	0.03	0.11	7.87	7.87	0.	0.	0.00	0.01
223	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
224	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
225	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
226	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
227	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
228	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
229	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
230	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
231	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
232	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
233	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
234	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
235	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
236	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	0.	0.	0.00	0.00
237	0.4	7.89	7.89	6.	0.	0.03	0.10	7.87	7.87	0.	0.	0.00	0.00
238	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
239	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
240	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
241	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
242	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
243	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
244	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
245	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
246	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
247	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
248	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
249	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
250	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
251	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	0.	0.	0.00	0.00
252	0.4	7.89	7.89	5.	0.	0.03	0.09	7.87	7.87	0.	0.	0.00	0.00
253	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
254	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
255	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
256	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
257	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
258	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
259	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
260	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
261	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
262	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
263	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
264	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
265	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
266	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
267	0.4	7.89	7.89	4.	0.	0.02	0.07	7.87	7.87	0.	0.	0.00	0.00
268	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04
269	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04
270	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04
271	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04
272	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	3.	0.	0.01	0.04
273	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04

GUSCII		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE					
	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
118	0.4	7.89	7.89	6.	0.	0.03	0.10	7.87	7.87	0.	0.	0.00	0.00
119	0.4	7.89	7.89	5.	0.	0.03	0.09	7.87	7.87	0.	0.	0.00	0.00
120	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	0.	0.	0.00	0.00
121	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
122	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
123	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
124	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
125	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
126	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
127	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
128	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
129	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
130	0.4	7.89	7.89	0.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
131	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
132	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
133	0.4	7.89	7.89	5.	0.	0.03	0.10	7.87	7.87	0.	0.	0.00	0.00
134	0.4	7.89	7.89	5.	0.	0.03	0.09	7.87	7.87	0.	0.	0.00	0.00
135	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	0.	0.	0.00	0.00
136	0.4	7.89	7.89	1.	0.	0.01	0.03	7.87	7.87	0.	0.	0.00	0.00
137	0.4	7.89	7.89	0.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
138	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
139	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
140	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
141	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
142	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
143	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
144	0.4	7.89	7.89	1.	0.	0.00	0.02	7.87	7.87	0.	0.	0.00	0.00
145	0.4	7.89	7.89	1.	0.	0.01	0.03	7.87	7.87	0.	0.	0.00	0.00
146	0.4	7.89	7.89	1.	0.	0.01	0.03	7.87	7.87	0.	0.	0.00	0.00
147	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
148	0.4	7.89	7.89	5.	0.	0.03	0.10	7.87	7.87	0.	0.	0.00	0.00
149	0.4	7.89	7.89	5.	0.	0.03	0.09	7.87	7.87	0.	0.	0.00	0.00
150	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	0.	0.	0.00	0.00
151	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	0.	0.	0.00	0.00
152	0.4	7.89	7.89	1.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
153	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
154	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
155	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
156	0.4	7.89	7.89	0.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
157	0.4	7.89	7.89	0.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
158	0.4	7.89	7.89	1.	0.	0.00	0.02	7.87	7.87	0.	0.	0.00	0.00
159	0.4	7.89	7.89	1.	0.	0.01	0.03	7.87	7.87	0.	0.	0.00	0.00

280	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	5.	0.	0.03	0.10
281	0.4	7.89	7.89	2.	0.	0.01	0.05	7.87	7.87	5.	0.	0.03	0.10
282	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	5.	0.	0.03	0.10
283	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	5.	0.	0.03	0.09
284	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	5.	0.	0.03	0.08
285	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	4.	0.	0.02	0.07
286	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	4.	0.	0.02	0.07
287	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	3.	0.	0.02	0.06
288	0.4	7.89	7.89	5.	0.	0.04	0.11	7.87	7.87	4.	0.	0.02	0.07
289	0.4	7.89	7.89	6.	0.	0.04	0.11	7.87	7.87	4.	0.	0.03	0.08
210	0.4	7.89	7.89	5.	0.	0.03	0.10	7.87	7.87	5.	0.	0.03	0.09
211	0.4	7.89	7.89	4.	0.	0.02	0.08	7.87	7.87	5.	0.	0.03	0.09
212	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	6.	0.	0.03	0.11
213	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	6.	0.	0.04	0.11
214	0.4	7.89	7.89	2.	0.	0.02	0.05	7.87	7.87	6.	0.	0.04	0.12
215	0.4	7.89	7.89	2.	0.	0.02	0.05	7.87	7.87	7.	0.	0.04	0.12
216	0.4	7.89	7.89	2.	0.	0.02	0.05	7.87	7.87	7.	0.	0.04	0.12
217	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	6.	0.	0.03	0.11
218	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	6.	0.	0.03	0.10
219	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	5.	0.	0.03	0.09
220	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	4.	0.	0.02	0.07
221	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	4.	0.	0.02	0.06
222	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	3.	0.	0.02	0.05
223	0.4	7.89	7.89	7.	0.	0.04	0.13	7.87	7.87	5.	0.	0.03	0.09
224	0.4	7.89	7.89	7.	0.	0.04	0.13	7.87	7.87	5.	0.	0.03	0.10
225	0.4	7.89	7.89	6.	0.	0.03	0.11	7.87	7.87	5.	0.	0.03	0.10
226	0.4	7.89	7.89	5.	0.	0.03	0.09	7.87	7.87	6.	0.	0.04	0.11
227	0.4	7.89	7.89	4.	0.	0.02	0.07	7.87	7.87	6.	0.	0.04	0.12
228	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	7.	0.	0.04	0.12
229	0.4	7.89	7.89	2.	0.	0.02	0.05	7.87	7.87	7.	0.	0.04	0.12
230	0.4	7.89	7.89	2.	0.	0.02	0.05	7.87	7.87	7.	0.	0.04	0.12
231	0.4	7.89	7.89	2.	0.	0.02	0.05	7.87	7.87	7.	0.	0.04	0.12
232	0.4	7.89	7.89	2.	0.	0.02	0.05	7.87	7.87	6.	0.	0.03	0.11
233	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	5.	0.	0.03	0.10
234	0.4	7.89	7.89	2.	0.	0.02	0.05	7.87	7.87	4.	0.	0.02	0.08
235	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	4.	0.	0.02	0.06
236	0.4	7.89	7.89	0.	0.	0.00	0.01	7.87	7.87	3.	0.	0.02	0.05
237	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04
238	0.4	7.89	7.89	8.	0.	0.05	0.15	7.87	7.87	6.	0.	0.03	0.10
239	0.4	7.89	7.89	7.	0.	0.04	0.13	7.87	7.87	6.	0.	0.03	0.11
240	0.4	7.89	7.89	6.	0.	0.03	0.11	7.87	7.87	6.	0.	0.03	0.11
241	0.4	7.89	7.89	5.	0.	0.03	0.09	7.87	7.87	6.	0.	0.04	0.11
242	0.4	7.89	7.89	4.	0.	0.02	0.07	7.87	7.87	6.	0.	0.04	0.12
243	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	6.	0.	0.04	0.12

244	0.4	7.89	7.89	2.	0.	0.02	0.05	7.87	7.87	6.	0.	0.04	0.11
245	0.4	7.89	7.89	2.	0.	0.01	0.05	7.87	7.87	6.	0.	0.03	0.11
246	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	6.	0.	0.03	0.10
247	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	5.	0.	0.03	0.09
248	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	4.	0.	0.02	0.07
249	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	3.	0.	0.02	0.06
250	0.4	7.89	7.89	1.	0.	0.01	0.03	7.87	7.87	2.	0.	0.01	0.04
251	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04
252	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	1.	0.	0.01	0.03
253	0.4	7.89	7.89	9.	0.	0.05	0.16	7.87	7.87	5.	0.	0.03	0.10
254	0.4	7.89	7.89	8.	0.	0.04	0.14	7.87	7.87	5.	0.	0.03	0.10
255	0.4	7.89	7.89	6.	0.	0.03	0.11	7.87	7.87	5.	0.	0.03	0.09
256	0.4	7.89	7.89	4.	0.	0.03	0.08	7.87	7.87	5.	0.	0.03	0.09
257	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	5.	0.	0.03	0.09
258	0.4	7.89	7.89	2.	0.	0.01	0.05	7.87	7.87	5.	0.	0.03	0.09
259	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	5.	0.	0.03	0.08
260	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	4.	0.	0.02	0.07
261	0.4	7.89	7.89	1.	0.	0.01	0.03	7.87	7.87	3.	0.	0.02	0.06
262	0.4	7.89	7.89	1.	0.	0.01	0.03	7.87	7.87	3.	0.	0.02	0.06
263	0.4	7.89	7.89	1.	0.	0.01	0.03	7.87	7.87	3.	0.	0.02	0.05
264	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	3.	0.	0.01	0.05
265	0.4	7.89	7.89	1.	0.	0.00	0.02	7.87	7.87	2.	0.	0.01	0.04
266	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.04
267	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	2.	0.	0.01	0.03
268	0.4	7.89	7.89	10.	0.	0.06	0.18	7.87	7.87	4.	0.	0.02	0.07
269	0.4	7.89	7.89	8.	0.	0.04	0.14	7.87	7.87	4.	0.	0.02	0.07
270	0.4	7.89	7.89	6.	0.	0.03	0.11	7.87	7.87	3.	0.	0.02	0.07
271	0.4	7.89	7.89	4.	0.	0.02	0.07	7.87	7.87	3.	0.	0.02	0.06
272	0.4	7.89	7.89	3.	0.	0.02	0.05	7.87	7.87	3.	0.	0.02	0.05
273	0.4	7.89	7.89	2.	0.	0.01	0.04	7.87	7.87	2.	0.	0.01	0.05
274	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	1.	0.	0.01	0.04
275	0.4	7.89	7.89	1.	0.	0.01	0.03	7.87	7.87	1.	0.	0.01	0.03
276	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	1.	0.	0.01	0.02
277	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.02
278	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.01	0.02
279	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	1.	0.	0.01	0.02
280	0.4	7.89	7.89	1.	0.	0.00	0.01	7.87	7.87	1.	0.	0.01	0.02
281	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	1.	0.	0.01	0.02
282	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	1.	0.	0.01	0.02
283	0.4	7.89	7.89	10.	0.	0.06	0.19	7.87	7.87	1.	0.	0.01	0.03
284	0.4	7.89	7.89	8.	0.	0.05	0.15	7.87	7.87	0.	0.	0.01	0.02
285	0.4	7.89	7.89	6.	0.	0.03	0.10	7.87	7.87	0.	0.	0.00	0.01
286	0.4	7.89	7.89	4.	0.	0.02	0.07	7.87	7.87	0.	0.	0.00	0.00
287	0.4	7.89	7.89	3.	0.	0.01	0.05	7.87	7.87	0.	0.	0.00	0.00
288	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	0.	0.	0.00	0.00
289	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
290	0.4	7.89	7.89	1.	0.	0.00	0.02	7.87	7.87	0.	0.	0.00	0.00
291	0.4	7.89	7.89	1.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
292	0.4	7.89	7.89	1.	0.	0.00	0.02	7.87	7.87	0.	0.	0.00	0.00
293	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
294	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
295	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
296	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
297	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
298	0.4	7.89	7.89	11.	0.	0.06	0.20	7.87	7.87	0.	0.	0.00	0.00
299	0.4	7.89	7.89	8.	0.	0.05	0.15	7.87	7.87	0.	0.	0.00	0.00
300	0.4	7.89	7.89	6.	0.	0.03	0.10	7.87	7.87	0.	0.	0.00	0.00
301	0.4	7.89	7.89	3.	0.	0.02	0.06	7.87	7.87	0.	0.	0.00	0.00
302	0.4	7.89	7.89	2.	0.	0.01	0.03	7.87	7.87	0.	0.	0.00	0.00
303	0.4	7.89	7.89	1.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
304	0.4	7.89	7.89	0.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
305	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
306	0.4	7.89	7.89	0.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
307	0.4	7.89	7.89	0.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
308	0.4	7.89	7.89	0.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
309	0.4	7.89	7.89	1.	0.	0.01	0.02	7.87	7.87	0.	0.	0.00	0.00
310	0.4	7.89	7.89	1.	0.	0.00	0.01	7.87	7.87	0.	0.	0.00	0.00
311	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00
312	0.4	7.89	7.89	0.	0.	0.00	0.00	7.87	7.87	0.	0.	0.00	0.00

***** TAGLIO PERPENDICOLARE

GUSCI	tauX	tauY	tauT	GUSCI	tauX	tauY	tauT	GUSCI	tauX	tauY	tauT
118	43.7	90.8	63.6	119	72.7	36.7	64.8	120	57.1	71.2	76.0
121	42.4	88.1	87.4	122	30.6	94.9	93.4	123	18.8	100.0	96.7
124	8.8	101.6	97.4	125	3.7	100.3	98.3	126	12.7	94.7	90.4
127	19.3	87.9	83.1	128	23.8	78.0	73.8	129	26.3	65.9	63.1
130	28.1	52.1	50.9	131	29.3	36.5	36.9	132	29.7	18.1	27.9
133	23.5	20.8	21.5	134	36.2	19.7	34.9	135	39.8	42.4	50.8
136	34.8	57.3	59.8	137	26.4	64.4	64.6	138	18.3	67.1	66.2
139	10.4	68.2	65.1	140	8.2	69.8	65.4	141	13.0	63.1	62.3
142	18.2	61.3	60.2	143	21.7	55.6	54.9	144	23.8	47.9	48.1
145	23.7	37.3	39.0	146	23.1	24.0	27.4	147	25.7	14.4	23.2
148	8.5	7.3	7.3	149	18.5	16.6	20.5	150	23.3	31.5	34.2

151	20.9	42.9	43.5	152	17.3	49.9	49.2	153	12.8	53.6	52.5
154	7.2	56.4	54.7	155	2.6	57.3	55.9	156	9.1	52.1	50.2
157	10.8	48.6	46.9	158	12.1	43.2	41.4	159	12.2	36.4	34.5
160	11.7	27.0	25.1	161	9.8	14.6	13.5	162	13.2	5.5	10.8
163	6.4	14.9	15.5	164	7.7	15.6	15.3	165	12.6	24.0	24.4
166	12.9	31.9	31.7	167	10.6	37.5	36.8	168	7.8	40.3	39.7
169	3.6	40.5	40.3	170	0.8	40.0	39.8	171	3.0	38.1	37.3
172	4.7	35.7	34.2	173	4.9	32.0	29.8	174	4.3	26.1	23.4
175	2.5	18.2	15.3	176	12.2	4.6	10.9	177	21.7	3.0	18.3
178	9.4	13.0	15.4	179	1.1	13.3	12.3	180	5.5	18.1	17.5
181	7.1	23.1	22.7	182	6.3	27.1	26.7	183	5.1	29.3	28.9
184	2.7	30.4	29.9	185	1.2	30.1	29.6	186	0.9	29.0	28.2
187	0.5	28.1	26.5	188	0.1	24.2	22.2	189	2.7	19.0	17.0
190	10.5	12.6	12.6	191	17.5	2.4	16.3	192	30.0	2.2	27.1
193	16.5	4.6	16.5	194	4.3	9.6	9.6	195	1.0	11.9	11.2
196	3.6	14.6	14.1	197	4.7	18.0	17.2	198	5.8	19.5	18.8
199	5.6	20.7	20.1	200	4.0	19.3	19.3	201	2.5	17.7	17.5
202	2.6	18.0	17.4	203	4.4	16.0	15.4	204	8.0	12.9	13.8
205	14.0	8.8	15.0	206	20.6	2.0	20.0	207	41.0	1.2	37.0
208	16.9	2.7	16.6	209	8.5	3.2	8.6	210	0.5	6.1	5.7
211	1.1	6.8	6.6	212	2.1	8.5	7.6	213	3.5	9.1	8.3
214	3.5	10.1	9.3	215	5.5	10.2	9.0	216	6.7	8.9	9.3
217	6.9	8.5	10.2	218	7.7	7.7	10.5	219	10.4	6.5	11.7
220	15.5	4.3	15.5	221	23.2	1.6	22.4	222	45.3	0.5	43.6
223	17.4	1.2	16.1	224	8.6	0.9	7.6	225	4.4	0.9	4.1
226	2.4	2.8	2.7	227	3.4	4.0	3.4	228	3.8	4.2	3.8
229	5.1	5.3	4.7	230	3.9	5.7	5.9	231	3.2	3.7	4.7
232	3.4	2.7	4.0	233	5.9	2.9	5.7	234	10.4	2.3	9.8
235	16.5	0.8	16.1	236	24.9	1.6	24.1	237	45.1	1.0	44.0
238	14.2	0.8	11.5	239	6.0	2.2	4.9	240	2.7	6.8	6.4
241	3.9	9.6	9.4	242	3.5	11.5	11.3	243	3.4	12.6	12.0
244	2.0	13.1	12.8	245	1.5	14.5	13.7	246	0.6	10.7	10.4
247	2.4	9.5	8.9	248	5.6	9.0	9.1	249	9.4	6.6	10.6
250	15.6	4.0	15.5	251	23.8	1.0	23.1	252	41.9	1.3	39.7
253	10.4	3.2	7.5	254	8.2	8.9	9.7	255	7.1	15.1	15.0
256	6.6	19.3	18.8	257	5.0	21.6	21.0	258	3.3	22.3	22.1
259	1.7	22.7	22.4	260	1.2	23.3	22.9	261	2.1	18.5	17.9
262	0.9	16.8	15.7	263	3.1	15.2	14.1	264	6.7	12.1	12.3
265	12.5	7.9	13.3	266	20.9	2.4	19.3	267	36.3	1.8	33.1
268	30.5	8.8	23.1	269	16.7	18.3	21.4	270	12.6	26.2	26.6
271	9.4	30.8	30.2	272	7.1	32.9	32.1	273	4.8	33.7	33.1
274	2.6	35.9	35.3	275	1.9	36.9	35.8	276	4.3	31.1	29.7
277	3.8	28.5	26.6	278	1.8	24.3	22.2	279	1.8	19.9	17.6
280	6.8	13.7	12.8	281	14.6	5.6	13.1	282	28.0	2.4	24.1
283	46.6	18.7	44.8	284	24.2	32.2	37.3	285	17.8	40.2	41.4
286	12.5	44.1	43.6	287	8.3	45.2	44.6	288	5.0	45.0	44.5
289	2.4	46.4	45.3	290	5.0	46.0	43.8	291	6.1	42.1	40.7
292	6.7	39.2	37.5	293	6.5	35.1	32.9	294	5.7	29.6	26.8
295	3.7	21.8	18.2	296	4.7	11.2	8.5	297	16.7	3.7	13.8
298	48.8	64.1	70.9	299	29.8	57.6	61.1	300	19.5	64.9	64.4
301	12.5	67.2	65.9	302	6.7	67.6	66.4	303	2.1	68.7	67.3
304	3.6	70.3	69.3	305	2.5	69.3	67.5	306	3.0	65.5	62.5
307	5.4	59.6	56.2	308	7.3	53.4	49.6	309	8.4	45.7	41.4
310	9.6	35.4	30.2	311	8.9	21.3	15.2	312	5.2	18.9	12.0

INFERIORE ORIZZONTALE										INFERIORE VERTICALE			
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
313	0.3	6.28	6.28	13.	-1.	0.17	0.32	7.89	7.89	2.	1.	0.00	0.34
314	0.3	6.28	6.28	2.	-1.	0.04	0.08	7.89	7.89	1.	1.	0.00	0.30
315	0.3	6.28	6.28	0.	0.	0.01	0.06	7.89	7.89	2.	1.	0.00	0.28
316	0.3	6.28	6.28	0.	0.	0.00	0.07	7.89	7.89	1.	1.	0.00	0.22
317	0.3	6.28	6.28	1.	0.	0.00	0.10	7.89	7.89	2.	1.	0.00	0.21
318	0.3	6.28	6.28	1.	0.	0.00	0.17	7.89	7.89	2.	1.	0.00	0.23
319	0.3	6.28	6.28	1.	1.	0.00	0.21	7.89	7.89	2.	1.	0.00	0.26
320	0.3	6.28	6.28	1.	1.	0.00	0.25	7.89	7.89	2.	1.	0.00	0.29
321	0.3	6.28	6.28	1.	1.	0.00	0.28	7.89	7.89	1.	1.	0.00	0.31
322	0.3	6.28	6.28	1.	1.	0.00	0.29	7.89	7.89	1.	1.	0.00	0.31
323	0.3	6.28	6.28	1.	1.	0.00	0.29	7.89	7.89	0.	1.	0.00	0.30
324	0.3	6.28	6.28	3.	1.	0.00	0.33	7.89	7.89	0.	1.	0.00	0.30
325	0.3	6.28	6.28	2.	0.	0.00	0.26	7.89	7.89	0.	1.	0.00	0.30
326	0.3	6.28	6.28	13.	-1.	0.17	0.30	7.89	7.89	10.	1.	0.00	0.53
327	0.3	6.28	6.28	2.	-1.	0.04	0.05	7.89	7.89	10.	1.	0.00	0.49
328	0.3	6.28	6.28	0.	0.	0.01	0.01	7.89	7.89	9.	1.	0.00	0.47
329	0.3	6.28	6.28	0.	0.	0.00	0.05	7.89	7.89	9.	1.	0.00	0.39
330	0.3	6.28	6.28	0.	0.	0.00	0.09	7.89	7.89	9.	1.	0.00	0.42
331	0.3	6.28	6.28	1.	0.	0.00	0.15	7.89	7.89	10.	1.	0.00	0.47
332	0.3	6.28	6.28	1.	0.	0.00	0.20	7.89	7.89	10.	1.	0.00	0.51
333	0.3	6.28	6.28	1.	1.	0.00	0.23	7.89	7.89	11.	1.	0.00	0.54
334	0.3	6.28	6.28	0.	1.	0.00	0.25	7.89	7.89	11.	1.	0.00	0.58
335	0.3	6.28	6.28	0.	1.	0.00	0.26	7.89	7.89	12.	1.	0.00	0.60
336	0.3	6.28	6.28	1.	1.	0.00	0.26	7.89	7.89	12.	1.	0.00	0.62
337	0.3	6.28	6.28	3.	1.	0.00	0.29	7.89	7.89	13.	1.	0.00	0.63
338	0.3	6.28	6.28	2.	0.	0.00	0.20	7.89	7.89	13.	1.	0.00	0.63
339	0.3	6.28	6.28	13.	-1.	0.17	0.30	7.89	7.89	0.	0.	0.00	0.12
340	0.3	6.28	6.28	2.	-1.	0.04	0.05	7.89	7.89	0.	0.	0.00	0.10
341	0.3	6.28	6.28	1.	0.	0.01	0.01	7.89	7.89	0.	0.	0.00	0.08
342	0.3	6.28	6.28	0.	0.	0.00	0.05	7.89	7.89	0.	0.	0.00	0.03
343	0.3	6.28	6.28	0.	0.	0.00	0.09	7.89	7.89	0.	0.	0.00	0.02
344	0.3	6.28	6.28	1.	0.	0.00	0.15	7.89	7.89	0.	0.	0.00	0.01
345	0.3	6.28	6.28	1.	0.	0.00	0.20	7.89	7.89	0.	0.	0.00	0.00
346	0.3	6.28	6.28	1.	1.	0.00	0.23	7.89	7.89	0.	0.	0.00	0.00
347	0.3	6.28	6.28	0.	1.	0.00	0.25	7.89	7.89	0.	0.	0.00	0.01
348	0.3	6.28	6.28	0.	1.	0.00	0.26	7.89	7.89	1.	0.	0.01	0.04
349	0.3	6.28	6.28	1.	1.	0.00	0.26	7.89	7.89	2.	0.	0.01	0.07
350	0.3	6.28	6.28	3.	1.	0.00	0.29	7.89	7.89	2.	0.	0.01	0.08
351	0.3	6.28	6.28	2.	0.	0.00	0.20	7.89	7.89	3.	0.	0.01	0.10

SUPERIORE ORIZZONTALE										SUPERIORE VERTICALE			
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
313	0.3	6.28	6.28	0.	-1.	0.04	0.06	7.89	7.89	2.	1.	0.00	0.38
314	0.3	6.28	6.28	0.	-1.	0.02	0.02	7.89	7.89	2.	1.	0.00	0.34
315	0.3	6.28	6.28	0.	0.	0.00	0.05	7.89	7.89	2.	1.	0.00	0.31
316	0.3	6.28	6.28	0.	0.	0.00	0.06	7.89	7.89	1.	1.	0.00	0.25
317	0.3	6.28	6.28	0.	0.	0.00	0.08	7.89	7.89	0.	1.	0.00	0.22
318	0.3	6.28	6.28	0.	0.	0.00	0.15	7.89	7.89	0.	1.	0.00	0.24
319	0.3	6.28	6.28	0.	0.	0.00	0.20	7.89	7.89	0.	1.	0.00	0.27
320	0.3	6.28	6.28	0.	1.	0.00	0.23	7.89	7.89	0.	1.	0.00	0.31
321	0.3	6.28	6.28	0.	1.	0.00	0.26	7.89	7.89	1.	1.	0.00	0.37
322	0.3	6.28	6.28	0.	1.	0.00	0.27	7.89	7.89	2.	1.	0.00	0.42
323	0.3	6.28	6.28	0.	1.	0.00	0.26	7.89	7.89	3.	1.	0.00	0.45
324	0.3	6.28	6.28	0.	0.	0.00	0.24	7.89	7.89	4.	1.	0.00	0.47
325	0.3	6.28	6.28	0.	0.	0.00	0.25	7.89	7.89	5.	1.	0.00	0.48
326	0.3	6.28	6.28	0.	-1.	0.04	-0.04	7.89	7.89	0.	1.	0.00	0.28
327	0.3	6.28	6.28	0.	-1.	0.02	-0.02	7.89	7.89	0.	1.	0.00	0.25
328	0.3	6.28	6.28	0.	0.	0.00	0.01	7.89	7.89	0.	1.	0.00	0.24
329	0.3	6.28	6.28	0.	0.	0.00	0.04	7.89	7.89	0.	1.	0.00	0.17
330	0.3	6.28	6.28	0.	0.	0.00	0.08	7.89	7.89	0.	1.	0.00	0.20
331	0.3	6.28	6.28	0.	0.	0.00	0.14	7.89	7.89	0.	1.	0.00	0.24
332	0.3	6.28	6.28	0.	0.	0.00	0.18	7.89	7.89	0.	1.	0.00	0.27
333	0.3	6.28	6.28	0.	1.	0.00	0.22	7.89	7.89	0.	1.	0.00	0.29
334	0.3	6.28	6.28	0.	1.	0.00	0.24	7.89	7.89	0.	1.	0.00	0.31
335	0.3	6.28	6.28	0.	1.	0.00	0.24	7.89	7.89	0.	1.	0.00	0.32
336	0.3	6.28	6.28	0.	1.	0.00	0.22	7.89	7.89	0.	1.	0.00	0.32
337	0.3	6.28	6.28	0.	0.	0.00	0.19	7.89	7.89	0.	1.	0.00	0.32
338	0.3	6.28	6.28	0.	0.	0.00	0.24	7.89	7.89	0.	1.	0.00	0.31
339	0.3	6.28	6.28	0.	-1.	0.04	-0.04	7.89	7.89	1.	0.	0.00	0.15
340	0.3	6.28	6.28	0.	-1.	0.02	-0.02	7.89	7.89	1.	0.	0.00	0.11
341	0.3	6.28	6.28	0.	0.	0.00	0.01	7.89	7.89	0.	0.	0.00	0.09
342	0.3	6.28	6.28	0.	0.	0.00	0.04	7.89	7.89	1.	0.	0.00	0.04
343	0.3	6.28	6.28	0.	0.	0.00	0.08	7.89	7.89	1.	0.	0.00	0.02
344	0.3	6.28	6.28	0.	0.	0.00	0.14	7.89	7.89	0.	0.	0.00	0.02
345	0.3	6.28	6.28	0.	0.	0.00	0.18	7.89	7.89	0.	0.	0.00	0.01
346	0.3	6.28	6.28	0.	1.	0.00	0.22	7.89	7.89	0.	0.	0.00	0.00
347	0.3	6.28	6.28	0.	1.	0.00	0.24	7.89	7.89	0.	0.	0.00	0.01
348	0.3	6.28	6.28	0.	1.	0.00	0.24	7.89	7.89	0.	0.	0.00	0.02
349	0.3	6.28	6.28	0.	1.	0.00	0.22	7.89	7.89	0.	0.	0.00	0.02
350	0.3	6.28	6.28	0.	0.	0.00	0.19	7.89	7.89	0.	0.	0.00	0.03
351	0.3	6.28	6.28	0.	0.	0.00	0.24	7.89	7.89	0.	0.	0.00	0.04

***** TAGLIO PERPENDICOLARE

GUSCI	tauX	tauY	tauT	GUSCI	tauX	tauY	tauT	GUSCI	tauX	tauY	tauT
313	6.0	134.4	91.7	314	28.6	107.2	106.3	315	6.6	94.0	89.2
316	6.3	81.4	80.7	317	4.4	84.5	83.3	318	3.5	88.4	86.9
319	1.1	91.9	89.4	320	1.7	99.6	96.5	321	5.2	108.1	103.5
322	8.0	122.5	115.5	323	13.6	144.5	137.3	324	17.6	150.6	143.5
325	69.6	114.5	81.5	326	200.7	122.5	154.3	327	39.6	47.6	46.4
328	4.5	25.3	24.3	329	4.3	27.1	25.4	330	1.9	28.3	28.2
331	1.7	28.0	27.6	332	0.5	28.2	27.6	333	0.4	32.3	30.1
334	1.5	38.4	35.2	335	5.7	49.0	44.4	336	16.2	77.3	67.8
337	43.8	140.9	117.2	338	125.6	185.1	188.7	339	219.1	96.6	214.1
340	39.4	43.4	49.6	341	10.6	57.2	54.3	342	6.9	60.9	58.5
343	2.8	63.8	62.2	344	2.0	65.6	64.7	345	0.7	69.1	67.5
346	0.6	72.1	70.5	347	1.3	74.3	72.8	348	6.8	76.8	74.8
349	22.5	87.8	83.3	350	48.8	123.5	109.1	351	101.5	140.9	152.0

MACROGUSCIO Parete_Entrata

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:

lunghezze : [m] - forze : [kN]
momenti : [kNm/m] - tensioni : [kPa]
pesi specifici: [kN/m3] - angoli : [gradi]
armature : [cm2]

CASI DI CARICO:

Nome Descrizione
1 SLU SENZA SISMA
4 SLU con SISMAX PRINC
5 SLU con SISMAX PRINC

DATI:

tensione di snervamento acciaio (fyk): 450000 kPa
coefficiente sicurezza acciaio : 1.15
deformazione ultima acciaio : 67.5 per mille
deformazione ultima cls : 3.5 per mille
rapporto rottura/snervamento (k): 1.15
resistenza cilindrica cls (fck): 29050 kPa
coefficiente sicurezza cls : 1.5
coefficiente riduttivo (alfa): 0.85
copriferro inferiore (asse armatura): 0.03 m
copriferro superiore (asse armatura): 0.03 m
moltiplicatore sollecitazioni : 1

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE					
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
827	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.01
828	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
829	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.01
830	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.01
831	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.01
832	0.3	6.13	6.13	1.	-1.	0.03	0.02	5.80	5.80	0.	0.	0.00	0.01
833	0.3	6.13	6.13	1.	-1.	0.03	0.02	5.80	5.80	0.	0.	0.00	0.01
834	0.3	6.13	6.13	2.	-1.	0.03	0.03	5.80	5.80	0.	0.	0.00	0.00
835	0.3	6.13	6.13	1.	0.	0.01	0.03	5.80	5.80	0.	0.	0.00	0.00
836	0.3	6.13	6.13	0.	0.	0.01	0.00	5.80	5.80	0.	0.	0.00	0.00
837	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
838	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
839	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
840	0.3	6.13	6.13	0.	0.	0.00	0.01	7.89	7.89	1.	0.	0.00	0.05
841	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	1.	0.	0.00	0.02
842	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	0.	0.	0.00	0.00
843	0.3	6.13	6.13	0.	0.	0.01	0.01	7.89	7.89	0.	0.	0.00	0.00
844	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	0.	0.	0.00	0.00
845	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	0.	0.	0.00	0.00
846	0.3	6.13	6.13	0.	0.	0.00	0.01	7.89	7.89	0.	0.	0.00	0.00
847	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	0.	0.	0.00	0.00
848	0.3	6.13	6.13	1.	0.	0.01	0.03	7.89	7.89	0.	0.	0.00	0.00
849	0.3	6.13	6.13	1.	0.	0.01	0.03	7.89	7.89	0.	0.	0.00	0.00
850	0.3	6.13	6.13	1.	0.	0.01	0.03	7.89	7.89	0.	0.	0.00	0.00
851	0.3	6.13	6.13	0.	0.	0.00	0.01	7.89	7.89	0.	0.	0.00	0.00
852	0.3	6.13	6.13	0.	0.	0.00	0.03	7.89	7.89	0.	0.	0.00	0.01
853	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	2.	0.	0.02	0.04
854	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	1.	0.	0.01	0.03
855	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	1.	0.	0.01	0.03
856	0.3	6.13	6.13	0.	0.	0.01	0.01	7.89	7.89	2.	0.	0.01	0.04
857	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	1.	0.	0.01	0.03
858	0.3	6.13	6.13	1.	0.	0.02	0.03	7.89	7.89	1.	0.	0.01	0.02
859	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	0.	0.	0.01	0.01
860	0.3	6.13	6.13	1.	0.	0.02	0.04	7.89	7.89	1.	0.	0.01	0.01

861	0.3	6.13	6.13	1.	0.	0.02	0.04	7.89	7.89	1.	0.	0.01	0.02
862	0.3	6.13	6.13	1.	0.	0.01	0.03	7.89	7.89	1.	0.	0.01	0.03
863	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	1.	0.	0.01	0.03
864	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	1.	0.	0.00	0.02
865	0.3	6.13	6.13	0.	0.	0.00	0.02	7.89	7.89	1.	0.	0.00	0.02
866	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	2.	0.	0.02	0.04
867	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	2.	0.	0.02	0.04
868	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	2.	0.	0.02	0.04
869	0.3	6.13	6.13	0.	0.	0.01	0.01	7.89	7.89	2.	0.	0.02	0.06
870	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	3.	0.	0.03	0.06
871	0.3	6.13	6.13	1.	0.	0.02	0.04	7.89	7.89	3.	0.	0.03	0.06
872	0.3	6.13	6.13	1.	0.	0.01	0.03	7.89	7.89	2.	0.	0.02	0.05
873	0.3	6.13	6.13	2.	0.	0.02	0.04	7.89	7.89	2.	0.	0.02	0.06
874	0.3	6.13	6.13	1.	0.	0.02	0.04	7.89	7.89	2.	0.	0.02	0.06
875	0.3	6.13	6.13	1.	0.	0.01	0.03	7.89	7.89	2.	0.	0.02	0.06
876	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	2.	0.	0.02	0.05
877	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	2.	0.	0.01	0.04
878	0.3	6.13	6.13	0.	0.	0.00	0.01	7.89	7.89	1.	0.	0.01	0.03
879	0.3	6.13	6.13	0.	0.	0.00	0.00	13.69	13.69	1.	0.	0.01	0.02
880	0.3	6.13	6.13	0.	0.	0.00	0.00	13.69	13.69	1.	0.	0.01	0.02
881	0.3	6.13	6.13	0.	0.	0.00	0.00	13.69	13.69	1.	0.	0.01	0.02
882	0.3	6.13	6.13	0.	0.	0.01	0.01	13.69	13.69	2.	0.	0.01	0.02
883	0.3	6.13	6.13	1.	0.	0.01	0.02	13.69	13.69	2.	0.	0.02	0.03
884	0.3	6.13	6.13	2.	0.	0.03	0.05	13.69	13.69	2.	0.	0.02	0.03
885	0.3	6.13	6.13	2.	0.	0.02	0.04	13.69	13.69	2.	0.	0.02	0.03
886	0.3	6.13	6.13	2.	0.	0.03	0.06	13.69	13.69	2.	0.	0.02	0.03
887	0.3	6.13	6.13	1.	0.	0.02	0.04	13.69	13.69	3.	0.	0.02	0.04
888	0.3	6.13	6.13	1.	0.	0.01	0.03	13.69	13.69	3.	0.	0.02	0.04
889	0.3	6.13	6.13	0.	0.	0.01	0.01	13.69	13.69	2.	0.	0.01	0.03
890	0.3	6.13	6.13	0.	0.	0.00	0.00	13.69	13.69	1.	0.	0.01	0.02
891	0.3	6.13	6.13	0.	0.	0.00	0.00	13.69	13.69	1.	0.	0.01	0.01
892	0.3	6.13	6.13	1.	0.	0.01	0.03	5.80	5.80	3.	0.	0.03	0.09
893	0.3	6.13	6.13	1.	0.	0.01	0.02	5.80	5.80	2.	0.	0.02	0.07
894	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	2.	0.	0.02	0.05
895	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	1.	0.	0.01	0.04
896	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	1.	0.	0.01	0.02
897	0.3	6.13	6.13	1.	0.	0.01	0.02	5.80	5.80	2.	0.	0.00	0.08
898	0.3	6.13	6.13	0.	0.	0.01	0.01	5.80	5.80	1.	0.	0.01	0.06
899	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	1.	0.	0.01	0.04
900	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	1.	0.	0.01	0.02
901	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.01
902	0.3	6.13	6.13	1.	0.	0.01	0.02	5.80	5.80	1.	0.	0.00	0.06
903	0.3	6.13	6.13	0.	0.	0.01	0.00	5.80	5.80	0.	0.	0.00	0.03
904	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.02
905	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.01
906	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
907	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	1.	0.	0.01	0.02
908	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	1.	0.	0.01	0.03
909	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	1.	0.	0.02	0.04
910	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	2.	0.	0.02	0.05
911	0.3	6.13	6.13	0.	0.	0.01	0.01	5.80	5.80	2.	0.	0.02	0.07
912	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
913	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.01
914	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.01	0.01
915	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	1.	0.	0.01	0.02
916	0.3	6.13	6.13	0.	0.	0.01	0.00	5.80	5.80	1.	0.	0.01	0.03
917	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
918	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
919	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
920	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
921	0.3	6.13	6.13	0.	0.	0.01	0.00	5.80	5.80	0.	0.	0.00	0.00

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE					
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
827	0.3	6.13	6.13	22.	0.	0.24	0.65	5.80	5.80	3.	0.	0.04	0.11
828	0.3	6.13	6.13	14.	0.	0.15	0.41	5.80	5.80	3.	0.	0.03	0.09
829	0.3	6.13	6.13	8.	0.	0.09	0.24	5.80	5.80	2.	0.	0.03	0.08
830	0.3	6.13	6.13	4.	0.	0.05	0.10	5.80	5.80	2.	0.	0.02	0.05
831	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	1.	0.	0.01	0.03
832	0.3	6.13	6.13	0.	-1.	0.02	-0.02	5.80	5.80	0.	0.	0.00	0.02
833	0.3	6.13	6.13	0.	-1.	0.02	-0.02	5.80	5.80	0.	0.	0.00	0.01
834	0.3	6.13	6.13	0.	-1.	0.02	-0.02	5.80	5.80	0.	0.	0.00	0.00
835	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.01
836	0.3	6.13	6.13	0.	0.	0.01	0.00	5.80	5.80	0.	0.	0.01	0.02
837	0.3	6.13	6.13	1.	0.	0.03	0.08	5.80	5.80	1.	0.	0.01	0.03
838	0.3	6.13	6.13	4.	0.	0.07	0.17	5.80	5.80	1.	0.	0.01	0.03
839	0.3	6.13	6.13	8.	0.	0.11	0.31	5.80	5.80	1.	0.	0.01	0.04
840	0.3	6.13	6.13	7.	0.	0.08	0.23	7.89	7.89	0.	0.	0.00	0.03
841	0.3	6.13	6.13	3.	0.	0.03	0.09	7.89	7.89	0.	0.	0.01	0.02
842	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	0.	0.	0.01	0.03
843	0.3	6.13	6.13	0.	0.	0.01	0.01	7.89	7.89	1.	0.	0.02	0.05
844	0.3	6.13	6.13	0.	0.	0.01	0.01	7.89	7.89	2.	0.	0.03	0.08
845	0.3	6.13	6.13	0.	0.	0.00	0.01	7.89	7.89	3.	0.	0.05	0.11
846	0.3	6.13	6.13	0.	0.	0.00	0.01	7.89	7.89	4.	0.	0.05	0.12

847	0.3	6.13	6.13	0.	0.	0.00	0.02	7.89	7.89	4.	0.	0.06	0.13
848	0.3	6.13	6.13	0.	0.	0.01	0.02	7.89	7.89	4.	0.	0.05	0.13
849	0.3	6.13	6.13	1.	0.	0.01	0.03	7.89	7.89	4.	0.	0.05	0.11
850	0.3	6.13	6.13	1.	0.	0.01	0.04	7.89	7.89	3.	0.	0.04	0.09
851	0.3	6.13	6.13	1.	0.	0.02	0.05	7.89	7.89	3.	0.	0.03	0.08
852	0.3	6.13	6.13	2.	0.	0.01	0.12	7.89	7.89	2.	0.	0.02	0.07
853	0.3	6.13	6.13	9.	0.	0.10	0.29	7.89	7.89	0.	0.	0.00	0.01
854	0.3	6.13	6.13	4.	0.	0.05	0.13	7.89	7.89	0.	0.	0.00	0.00
855	0.3	6.13	6.13	1.	0.	0.02	0.04	7.89	7.89	0.	0.	0.00	0.00
856	0.3	6.13	6.13	0.	0.	0.01	0.01	7.89	7.89	0.	0.	0.00	0.00
857	0.3	6.13	6.13	0.	0.	0.01	0.01	7.89	7.89	0.	0.	0.00	0.00
858	0.3	6.13	6.13	0.	0.	0.01	0.00	7.89	7.89	0.	0.	0.00	0.00
859	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	0.	0.	0.00	0.01
860	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	0.	0.	0.01	0.02
861	0.3	6.13	6.13	0.	0.	0.01	0.01	7.89	7.89	0.	0.	0.01	0.03
862	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	1.	0.	0.01	0.03
863	0.3	6.13	6.13	1.	0.	0.01	0.03	7.89	7.89	1.	0.	0.01	0.02
864	0.3	6.13	6.13	1.	0.	0.02	0.06	7.89	7.89	1.	0.	0.01	0.02
865	0.3	6.13	6.13	3.	0.	0.03	0.14	7.89	7.89	1.	0.	0.01	0.02
866	0.3	6.13	6.13	11.	0.	0.12	0.34	7.89	7.89	1.	0.	0.01	0.03
867	0.3	6.13	6.13	6.	0.	0.06	0.17	7.89	7.89	1.	0.	0.00	0.01
868	0.3	6.13	6.13	2.	0.	0.02	0.06	7.89	7.89	0.	0.	0.00	0.00
869	0.3	6.13	6.13	0.	0.	0.01	0.01	7.89	7.89	0.	0.	0.00	0.00
870	0.3	6.13	6.13	0.	0.	0.01	0.00	7.89	7.89	0.	0.	0.00	0.00
871	0.3	6.13	6.13	0.	0.	0.01	0.00	7.89	7.89	0.	0.	0.00	0.00
872	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	0.	0.	0.00	0.00
873	0.3	6.13	6.13	0.	0.	0.00	0.00	7.89	7.89	0.	0.	0.00	0.00
874	0.3	6.13	6.13	0.	0.	0.01	0.01	7.89	7.89	0.	0.	0.00	0.00
875	0.3	6.13	6.13	1.	0.	0.01	0.02	7.89	7.89	0.	0.	0.00	0.00
876	0.3	6.13	6.13	1.	0.	0.01	0.03	7.89	7.89	0.	0.	0.00	0.00
877	0.3	6.13	6.13	2.	0.	0.02	0.06	7.89	7.89	0.	0.	0.00	0.00
878	0.3	6.13	6.13	3.	0.	0.05	0.17	7.89	7.89	0.	0.	0.00	0.00
879	0.3	6.13	6.13	4.	0.	0.15	0.44	13.69	13.69	2.	0.	0.02	0.03
880	0.3	6.13	6.13	18.	0.	0.09	0.24	13.69	13.69	1.	0.	0.01	0.01
881	0.3	6.13	6.13	4.	0.	0.04	0.11	13.69	13.69	0.	0.	0.00	0.00
882	0.3	6.13	6.13	1.	0.	0.01	0.03	13.69	13.69	0.	0.	0.00	0.00
883	0.3	6.13	6.13	0.	0.	0.00	0.00	13.69	13.69	0.	0.	0.00	0.00
884	0.3	6.13	6.13	0.	0.	0.01	-0.01	13.69	13.69	0.	0.	0.00	0.00
885	0.3	6.13	6.13	0.	0.	-0.01	-0.01	13.69	13.69	0.	0.	0.00	0.00
886	0.3	6.13	6.13	0.	0.	-0.01	-0.01	13.69	13.69	0.	0.	0.00	0.00
887	0.3	6.13	6.13	0.	0.	0.00	0.00	13.69	13.69	0.	0.	0.00	0.00
888	0.3	6.13	6.13	0.	0.	0.01	0.00	13.69	13.69	0.	0.	0.00	0.00
889	0.3	6.13	6.13	0.	0.	0.01	0.03	13.69	13.69	0.	0.	0.00	0.00
890	0.3	6.13	6.13	2.	0.	0.03	0.09	13.69	13.69	0.	0.	0.00	0.00
891	0.3	6.13	6.13	5.	0.	0.07	0.21	13.69	13.69	0.	0.	0.00	0.00
892	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
893	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
894	0.3	6.13	6.13	0.	0.	0.02	0.04	5.80	5.80	0.	0.	0.00	0.00
895	0.3	6.13	6.13	2.	0.	0.04	0.12	5.80	5.80	0.	0.	0.00	0.00
896	0.3	6.13	6.13	6.	0.	0.09	0.26	5.80	5.80	0.	0.	0.00	0.01
897	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.03
898	0.3	6.13	6.13	0.	0.	0.01	0.00	5.80	5.80	0.	0.	0.00	0.02
899	0.3	6.13	6.13	1.	0.	0.02	0.05	5.80	5.80	0.	0.	0.00	0.01
900	0.3	6.13	6.13	3.	0.	0.06	0.15	5.80	5.80	0.	0.	0.01	0.02
901	0.3	6.13	6.13	7.	0.	0.10	0.29	5.80	5.80	1.	0.	0.01	0.03
902	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.03
903	0.3	6.13	6.13	0.	0.	0.01	0.00	5.80	5.80	0.	0.	0.00	0.02
904	0.3	6.13	6.13	1.	0.	0.03	0.07	5.80	5.80	1.	0.	0.01	0.03
905	0.3	6.13	6.13	4.	0.	0.06	0.16	5.80	5.80	1.	0.	0.01	0.03
906	0.3	6.13	6.13	8.	0.	0.11	0.30	5.80	5.80	1.	0.	0.02	0.05
907	0.3	6.13	6.13	17.	0.	0.19	0.53	5.80	5.80	3.	0.	0.04	0.11
908	0.3	6.13	6.13	10.	0.	0.11	0.31	5.80	5.80	2.	0.	0.02	0.07
909	0.3	6.13	6.13	5.	0.	0.06	0.16	5.80	5.80	1.	0.	0.02	0.04
910	0.3	6.13	6.13	2.	0.	0.02	0.05	5.80	5.80	0.	0.	0.00	0.00
911	0.3	6.13	6.13	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.01
912	0.3	6.13	6.13	20.	0.	0.21	0.59	5.80	5.80	4.	0.	0.05	0.14
913	0.3	6.13	6.13	12.	0.	0.13	0.36	5.80	5.80	3.	0.	0.04	0.10
914	0.3	6.13	6.13	7.	0.	0.08	0.20	5.80	5.80	2.	0.	0.03	0.08
915	0.3	6.13	6.13	3.	0.	0.03	0.08	5.80	5.80	1.	0.	0.02	0.05
916	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.01	0.02
917	0.3	6.13	6.13	21.	0.	0.23	0.63	5.80	5.80	5.	0.	0.05	0.15
918	0.3	6.13	6.13	13.	0.	0.14	0.39	5.80	5.80	4.	0.	0.04	0.12
919	0.3	6.13	6.13	7.	0.	0.08	0.22	5.80	5.80	3.	0.	0.03	0.10
920	0.3	6.13	6.13	3.	0.	0.04	0.09	5.80	5.80	2.	0.	0.02	0.07
921	0.3	6.13	6.13	0.	0.	0.01	0.00	5.80	5.80	1.	0.	0.02	0.05

842	10.1	22.0	18.9	843	12.9	36.6	31.1	844	10.1	51.9	45.7
845	6.6	63.9	58.7	846	4.8	67.9	66.4	847	5.3	67.6	65.5
848	3.5	62.4	59.0	849	7.6	54.8	50.6	850	10.4	44.3	39.2
851	6.3	28.7	22.7	852	7.1	13.3	13.1	853	48.1	22.2	42.1
854	23.5	16.2	24.1	855	11.1	9.2	9.8	856	3.3	16.2	14.2
857	6.2	23.5	21.6	858	7.1	27.6	27.0	859	4.8	33.6	30.6
860	2.8	31.6	31.0	861	2.2	31.2	30.4	862	1.1	27.8	25.5
863	5.3	20.0	17.4	864	11.2	8.6	10.3	865	30.3	8.0	21.8
866	64.1	22.8	60.5	867	35.4	21.2	37.1	868	22.5	12.2	22.2
869	12.0	2.7	10.1	870	1.9	8.0	7.4	871	6.0	10.1	9.5
872	0.7	12.5	11.9	873	4.6	14.5	12.5	874	4.4	13.0	12.4
875	7.1	10.4	11.2	876	13.6	5.0	12.5	877	23.0	5.4	20.3
878	47.8	10.7	43.0	879	69.1	23.5	68.5	880	42.6	22.9	44.1
881	29.3	16.6	31.1	882	18.8	10.3	19.1	883	10.8	8.7	10.7
884	12.1	17.7	14.5	885	7.5	8.2	6.7	886	2.3	16.5	10.4
887	9.3	10.6	10.4	888	11.0	2.3	9.5	889	18.0	5.6	17.5
890	28.9	8.8	27.5	891	51.2	11.3	50.1	892	19.2	8.4	14.2
893	15.2	10.2	16.8	894	22.2	9.8	22.3	895	32.3	10.6	32.0
896	51.9	11.5	51.9	897	3.5	15.6	13.4	898	13.8	13.4	16.3
899	22.0	10.5	22.3	900	31.7	10.4	32.0	901	49.3	10.0	49.6
902	15.6	7.6	10.7	903	12.8	5.6	13.0	904	22.3	7.6	22.1
905	30.9	7.3	30.7	906	47.7	6.6	47.3	907	71.6	22.8	72.7
908	48.0	22.2	49.3	909	34.9	19.1	36.5	910	25.2	16.9	28.2
911	20.6	19.5	24.2	912	74.4	20.0	74.3	913	50.5	19.2	51.1
914	37.0	17.2	37.6	915	25.3	18.4	27.4	916	13.1	18.3	18.8
917	81.9	13.3	77.8	918	52.1	12.3	51.1	919	38.0	10.6	37.4
920	23.9	7.5	24.2	921	13.4	5.4	12.1				

MACROGUSCIO Parete_Uscita

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:
lunghezze : [m] - forze : [kN]
momenti : [kNm/m] - tensioni : [kPa]
pesi specifici: [kN/m3] - angoli : [gradi]
armature : [cm2]

CASI DI CARICO:

Nome	Descrizione
1	SLU SENZA SISMA
4	SLU con SISMAX PRINC
5	SLU con SISMAX PRINC

DATI:

tensione di snervamento acciaio (fyk): 450000 kPa
coefficiente sicurezza acciaio : 1.15
deformazione ultima acciaio : 67.5 per mille
deformazione ultima cls : 3.5 per mille
rapporto rottura/snervamento (k): 1.15
resistenza cilindrica cls (fck): 29050 kPa
coefficiente sicurezza cls : 1.5
coefficiente riduttivo (alfa): 0.85
copriferro inferiore (asse armatura): 0.03 m
copriferro superiore (asse armatura): 0.03 m
moltiplicatore sollecitazioni : 1

INFERIORE ORIZZONTALE							INFERIORE VERTICALE						
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
758	0.3	6.28	6.28	6.	0.	0.07	0.18	7.89	7.89	0.	0.	0.00	0.01
759	0.3	6.28	6.28	3.	0.	0.03	0.08	7.89	7.89	0.	0.	0.00	0.01
760	0.3	6.28	6.28	1.	0.	0.01	0.03	7.89	7.89	0.	0.	0.00	0.00
761	0.3	6.28	6.28	1.	0.	0.00	0.05	7.89	7.89	0.	0.	0.00	0.01
762	0.3	6.28	6.28	1.	0.	0.01	0.03	7.89	7.89	1.	0.	0.01	0.03
763	0.3	6.28	6.28	0.	0.	0.01	0.03	7.89	7.89	2.	0.	0.02	0.05
764	0.3	6.28	6.28	1.	0.	0.00	0.09	7.89	7.89	3.	0.	0.03	0.06
765	0.3	6.28	6.28	1.	0.	0.00	0.14	7.89	7.89	3.	0.	0.03	0.07
766	0.3	6.28	6.28	0.	0.	0.00	0.03	7.89	7.89	3.	0.	0.03	0.08
767	0.3	6.28	6.28	0.	0.	0.00	0.02	7.89	7.89	3.	0.	0.03	0.08
768	0.3	6.28	6.28	0.	0.	0.00	0.01	7.89	7.89	3.	0.	0.03	0.08
769	0.3	6.28	6.28	1.	0.	0.00	0.02	7.89	7.89	3.	0.	0.03	0.07
770	0.3	6.28	6.28	1.	0.	0.00	0.07	7.89	7.89	3.	0.	0.03	0.07
771	0.3	6.28	6.28	0.	0.	0.00	0.02	13.69	13.69	1.	0.	0.01	0.01
772	0.3	6.28	6.28	0.	0.	0.00	0.00	13.69	13.69	1.	0.	0.01	0.01
773	0.3	6.28	6.28	0.	0.	0.00	0.00	13.69	13.69	1.	0.	0.01	0.01
774	0.3	6.28	6.28	1.	0.	0.01	0.02	13.69	13.69	1.	0.	0.01	0.01
775	0.3	6.28	6.28	2.	0.	0.00	0.07	13.69	13.69	0.	0.	0.00	0.01
776	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
777	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
778	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
779	0.3	6.28	6.28	1.	0.	0.01	0.03	5.80	5.80	0.	0.	0.00	0.00
780	0.3	6.28	6.28	2.	0.	0.02	0.08	5.80	5.80	0.	0.	0.00	0.00
781	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00

782	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
783	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
784	0.3	6.28	6.28	1.	0.	0.01	0.03	5.80	5.80	0.	0.	0.00	0.00
785	0.3	6.28	6.28	3.	0.	0.03	0.09	5.80	5.80	0.	0.	0.00	0.00
786	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
787	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
788	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
789	0.3	6.28	6.28	1.	0.	0.02	0.04	5.80	5.80	0.	0.	0.00	0.00
790	0.3	6.28	6.28	4.	0.	0.04	0.11	5.80	5.80	0.	0.	0.00	0.01
791	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
792	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
793	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.01
794	0.3	6.28	6.28	2.	0.	0.02	0.04	5.80	5.80	0.	0.	0.00	0.01
795	0.3	6.28	6.28	4.	0.	0.04	0.12	5.80	5.80	0.	0.	0.01	0.01
796	0.3	6.28	6.28	8.	0.	0.08	0.23	13.69	13.69	1.	0.	0.00	0.01
797	0.3	6.28	6.28	4.	0.	0.04	0.11	13.69	13.69	0.	0.	0.00	0.01
798	0.3	6.28	6.28	1.	0.	0.02	0.04	13.69	13.69	0.	0.	0.00	0.00
799	0.3	6.28	6.28	1.	0.	0.01	0.05	13.69	13.69	0.	0.	0.00	0.01
800	0.3	6.28	6.28	1.	0.	0.01	0.05	13.69	13.69	0.	0.	0.00	0.01
801	0.3	6.28	6.28	10.	0.	0.10	0.28	5.80	5.80	1.	0.	0.02	0.05
802	0.3	6.28	6.28	5.	0.	0.05	0.14	5.80	5.80	1.	0.	0.01	0.02
803	0.3	6.28	6.28	2.	0.	0.03	0.06	5.80	5.80	0.	0.	0.00	0.01
804	0.3	6.28	6.28	2.	0.	0.02	0.05	5.80	5.80	0.	0.	0.00	0.00
805	0.3	6.28	6.28	1.	0.	0.01	0.04	5.80	5.80	0.	0.	0.00	0.01
806	0.3	6.28	6.28	13.	0.	0.14	0.37	5.80	5.80	2.	0.	0.03	0.08
807	0.3	6.28	6.28	7.	0.	0.08	0.19	5.80	5.80	2.	0.	0.02	0.05
808	0.3	6.28	6.28	3.	0.	0.04	0.08	5.80	5.80	1.	0.	0.01	0.03
809	0.3	6.28	6.28	2.	0.	0.02	0.05	5.80	5.80	0.	0.	0.01	0.02
810	0.3	6.28	6.28	1.	0.	0.01	0.04	5.80	5.80	1.	0.	0.00	0.03
811	0.3	6.28	6.28	15.	0.	0.16	0.42	5.80	5.80	3.	0.	0.03	0.10
812	0.3	6.28	6.28	8.	0.	0.09	0.22	5.80	5.80	2.	0.	0.02	0.07
813	0.3	6.28	6.28	3.	0.	0.04	0.10	5.80	5.80	1.	0.	0.02	0.05
814	0.3	6.28	6.28	2.	0.	0.03	0.06	5.80	5.80	1.	0.	0.01	0.02
815	0.3	6.28	6.28	1.	0.	0.02	0.04	5.80	5.80	1.	0.	0.01	0.03
816	0.3	6.28	6.28	16.	0.	0.18	0.46	5.80	5.80	2.	0.	0.02	0.07
817	0.3	6.28	6.28	9.	0.	0.10	0.24	5.80	5.80	1.	0.	0.02	0.05
818	0.3	6.28	6.28	4.	0.	0.05	0.11	5.80	5.80	1.	0.	0.01	0.03
819	0.3	6.28	6.28	2.	0.	0.03	0.06	5.80	5.80	1.	0.	0.01	0.03
820	0.3	6.28	6.28	1.	0.	0.02	0.04	5.80	5.80	1.	0.	0.01	0.03
821	0.3	6.28	6.28	0.	0.	0.01	0.00	5.80	5.80	1.	0.	0.01	0.02
822	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.02
823	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.01
824	0.3	6.28	6.28	0.	0.	0.01	0.00	5.80	5.80	1.	0.	0.01	0.03
825	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	1.	0.	0.01	0.02
826	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.01

SUPERIORE ORIZZONTALE								SUPERIORE VERTICALE					
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
758	0.3	6.28	6.28	0.	0.	0.00	0.00	7.89	7.89	1.	0.	0.01	0.03
759	0.3	6.28	6.28	0.	0.	0.00	0.00	7.89	7.89	1.	0.	0.00	0.02
760	0.3	6.28	6.28	0.	0.	0.00	0.01	7.89	7.89	0.	0.	0.00	0.01
761	0.3	6.28	6.28	0.	0.	0.00	0.03	7.89	7.89	0.	0.	0.00	0.00
762	0.3	6.28	6.28	1.	0.	0.01	0.02	7.89	7.89	0.	0.	0.00	0.00
763	0.3	6.28	6.28	0.	0.	0.00	0.02	7.89	7.89	0.	0.	0.00	0.00
764	0.3	6.28	6.28	0.	0.	0.00	0.06	7.89	7.89	0.	0.	0.00	0.00
765	0.3	6.28	6.28	1.	0.	0.00	0.10	7.89	7.89	0.	0.	0.00	0.00
766	0.3	6.28	6.28	0.	0.	0.00	0.03	7.89	7.89	0.	0.	0.00	0.00
767	0.3	6.28	6.28	0.	0.	0.00	0.02	7.89	7.89	0.	0.	0.00	0.00
768	0.3	6.28	6.28	0.	0.	0.00	0.01	7.89	7.89	0.	0.	0.00	0.00
769	0.3	6.28	6.28	0.	0.	0.00	0.01	7.89	7.89	0.	0.	0.00	0.00
770	0.3	6.28	6.28	0.	0.	0.00	0.03	7.89	7.89	0.	0.	0.00	0.00
771	0.3	6.28	6.28	1.	0.	0.00	0.03	13.69	13.69	0.	0.	0.00	0.00
772	0.3	6.28	6.28	1.	0.	0.01	0.02	13.69	13.69	0.	0.	0.00	0.00
773	0.3	6.28	6.28	0.	0.	0.00	0.00	13.69	13.69	0.	0.	0.00	0.00
774	0.3	6.28	6.28	0.	0.	0.00	0.00	13.69	13.69	0.	0.	0.00	0.00
775	0.3	6.28	6.28	0.	0.	0.00	0.02	13.69	13.69	0.	0.	0.00	0.00
776	0.3	6.28	6.28	1.	0.	0.01	0.03	5.80	5.80	0.	0.	0.01	0.01
777	0.3	6.28	6.28	1.	0.	0.01	0.02	5.80	5.80	0.	0.	0.01	0.01
778	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.01	0.01
779	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.01	0.01
780	0.3	6.28	6.28	0.	0.	0.00	0.01	5.80	5.80	0.	0.	0.01	0.02
781	0.3	6.28	6.28	1.	0.	0.01	0.04	5.80	5.80	2.	0.	0.02	0.05
782	0.3	6.28	6.28	1.	0.	0.01	0.03	5.80	5.80	1.	0.	0.02	0.04
783	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	1.	0.	0.01	0.04
784	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	1.	0.	0.01	0.03
785	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	1.	0.	0.01	0.02
786	0.3	6.28	6.28	1.	0.	0.02	0.04	5.80	5.80	1.	0.	0.01	0.04
787	0.3	6.28	6.28	1.	0.	0.01	0.03	5.80	5.80	1.	0.	0.01	0.04
788	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	1.	0.	0.01	0.03
789	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	1.	0.	0.01	0.02
790	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.01	0.01
791	0.3	6.28	6.28	2.	0.	0.02	0.06	5.80	5.80	1.	0.	0.01	0.03
792	0.3	6.28	6.28	1.	0.	0.02	0.03	5.80	5.80	1.	0.	0.01	0.02
793	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.01	0.02

794	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.01
795	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.00
796	0.3	6.28	6.28	0.	0.	0.00	0.00	13.69	13.69	1.	0.	0.01	0.02
797	0.3	6.28	6.28	0.	0.	0.00	0.00	13.69	13.69	1.	0.	0.00	0.02
798	0.3	6.28	6.28	0.	0.	0.00	0.00	13.69	13.69	1.	0.	0.00	0.01
799	0.3	6.28	6.28	0.	0.	0.00	0.03	13.69	13.69	1.	0.	0.01	0.02
800	0.3	6.28	6.28	1.	0.	0.00	0.03	13.69	13.69	1.	0.	0.01	0.02
801	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.01	0.02
802	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.00	0.03
803	0.3	6.28	6.28	0.	0.	0.00	0.00	5.80	5.80	0.	0.	0.01	0.02
804	0.3	6.28	6.28	0.	0.	0.00	0.01	5.80	5.80	1.	0.	0.01	0.04
805	0.3	6.28	6.28	0.	0.	0.01	0.02	5.80	5.80	1.	0.	0.02	0.06
806	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
807	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
808	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
809	0.3	6.28	6.28	0.	0.	0.01	0.01	5.80	5.80	0.	0.	0.01	0.02
810	0.3	6.28	6.28	1.	0.	0.01	0.02	5.80	5.80	1.	0.	0.01	0.04
811	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
812	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
813	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
814	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
815	0.3	6.28	6.28	0.	0.	0.01	0.02	5.80	5.80	0.	0.	0.01	0.02
816	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
817	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
818	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
819	0.3	6.28	6.28	0.	0.	0.01	-0.01	5.80	5.80	0.	0.	0.00	0.00
820	0.3	6.28	6.28	0.	0.	0.01	0.01	5.80	5.80	0.	0.	0.01	0.02
821	0.3	6.28	6.28	0.	0.	0.01	0.01	5.80	5.80	1.	0.	0.01	0.03
822	0.3	6.28	6.28	1.	0.	0.02	0.03	5.80	5.80	1.	0.	0.01	0.04
823	0.3	6.28	6.28	2.	0.	0.03	0.07	5.80	5.80	1.	0.	0.01	0.04
824	0.3	6.28	6.28	0.	0.	0.01	0.01	5.80	5.80	1.	0.	0.01	0.03
825	0.3	6.28	6.28	1.	0.	0.02	0.03	5.80	5.80	1.	0.	0.01	0.03
826	0.3	6.28	6.28	2.	0.	0.03	0.07	5.80	5.80	1.	0.	0.01	0.03

***** TAGLIO PERPENDICOLARE

GUSCI	tauX	tauY	tauT	GUSCI	tauX	tauY	tauT	GUSCI	tauX	tauY	tauT
758	20.6	23.6	22.5	759	8.5	20.9	18.5	760	5.9	11.6	10.4
761	6.3	21.2	17.4	762	7.9	35.9	30.8	763	8.1	36.6	32.7
764	4.5	14.5	12.2	765	3.5	25.7	21.9	766	3.2	32.2	25.5
767	2.9	33.3	31.7	768	5.7	32.7	30.6	769	4.9	26.6	23.3
770	10.5	18.3	18.9	771	14.4	24.5	24.4	772	4.0	18.8	17.6
773	0.8	15.0	13.6	774	3.9	9.3	8.0	775	13.4	3.6	8.8
776	5.7	10.8	10.1	777	1.5	9.4	7.8	778	5.4	4.9	6.0
779	9.5	1.6	7.8	780	21.4	5.2	18.5	781	14.6	4.0	9.0
782	6.3	1.6	5.3	783	8.5	2.6	8.0	784	14.0	4.3	12.8
785	25.8	6.6	24.6	786	7.9	7.5	7.9	787	5.6	3.8	5.8
788	9.7	4.8	9.8	789	16.0	5.2	15.2	790	28.1	6.3	26.8
791	3.0	2.4	2.9	792	6.6	3.6	6.3	793	9.2	1.8	8.6
794	16.7	2.6	15.7	795	31.0	5.0	28.9	796	34.4	22.2	34.3
797	19.4	19.8	23.3	798	8.3	8.8	9.2	799	4.1	8.1	7.4
800	8.7	13.5	13.0	801	43.6	24.0	43.8	802	27.7	22.4	32.1
803	17.4	14.7	19.9	804	7.0	8.4	9.2	805	1.4	5.7	4.9
806	57.0	25.3	55.2	807	36.7	23.1	38.7	808	23.8	15.9	26.1
809	13.2	10.5	15.2	810	3.5	12.5	10.5	811	78.1	21.5	69.6
812	43.1	17.2	42.0	813	26.8	10.8	26.7	814	14.8	7.0	15.0
815	7.2	2.5	4.4	816	104.9	13.3	92.1	817	47.5	2.4	45.1
818	27.7	3.4	26.6	819	17.3	3.2	15.5	820	9.0	2.1	7.4
821	16.3	6.7	14.2	822	9.9	2.3	8.8	823	4.9	13.1	9.0
824	8.4	0.7	8.2	825	8.5	2.7	8.2	826	5.1	4.4	5.4

MACROGUSCIO Parete_SX

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:
lunghezze : [m] - forze : [kN]
momenti : [kNm/m] - tensioni : [kPa]
pesi specifici: [kN/m3] - angoli : [gradi]
armature : [cm2]

CASI DI CARICO:

Nome	Descrizione
1	SLU SENZA SISMA
4	SLU con SISMAX PRINC
5	SLU con SISMAX PRINC

DATI:

tensione di snervamento acciaio (fyk): 450000 kPa
coefficiente sicurezza acciaio : 1.15
deformazione ultima acciaio : 67.5 per mille
deformazione ultima cls : 3.5 per mille
rapporto rottura/snervamento (k): 1.15

resistenza cilindrica cls (fck): 29050 kPa
coefficiente sicurezza cls : 1.5
coefficiente riduttivo (alfa): 0.85
copriferro inferiore (asse armatura): 0.03 m
copriferro superiore (asse armatura): 0.03 m
moltiplicatore sollecitazioni : 1

GUSCI		INFERIORE ORIZZONTALE								INFERIORE VERTICALE							
		spessi	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF			
352	0.3	6.13	6.13	2.	0.	0.	0.02	0.06	7.91	7.91	0.	0.	0.	0.00	0.00		
353	0.3	6.13	6.13	4.	0.	0.	0.04	0.13	7.91	7.91	0.	0.	0.	0.00	0.00		
354	0.3	6.13	6.13	5.	0.	0.	0.06	0.17	7.91	7.91	0.	0.	0.	0.00	0.00		
355	0.3	6.13	6.13	5.	0.	0.	0.05	0.16	7.91	7.91	0.	0.	0.	0.00	0.00		
356	0.3	6.13	6.13	4.	0.	0.	0.04	0.12	7.91	7.91	0.	0.	0.	0.00	0.00		
357	0.3	6.13	6.13	2.	0.	0.	0.02	0.08	7.91	7.91	0.	0.	0.	0.00	0.00		
358	0.3	6.13	6.13	1.	0.	0.	0.00	0.06	7.91	7.91	0.	0.	0.	0.00	0.04		
359	0.3	6.13	6.13	0.	0.	0.	0.00	0.07	7.91	7.91	0.	0.	0.	0.00	0.08		
360	0.3	6.13	6.13	0.	1.	0.	0.00	0.24	7.91	7.91	0.	0.	0.	0.00	0.10		
361	0.3	6.13	6.13	1.	0.	0.	0.02	0.04	13.72	13.72	4.	0.	0.	0.03	0.05		
362	0.3	6.13	6.13	4.	0.	0.	0.05	0.14	13.72	13.72	3.	0.	0.	0.02	0.04		
363	0.3	6.13	6.13	6.	0.	0.	0.06	0.18	13.72	13.72	2.	0.	0.	0.02	0.03		
364	0.3	6.13	6.13	6.	0.	0.	0.07	0.20	13.72	13.72	1.	0.	0.	0.01	0.01		
365	0.3	6.13	6.13	6.	0.	0.	0.06	0.19	13.72	13.72	0.	0.	0.	0.00	0.00		
366	0.3	6.13	6.13	4.	0.	0.	0.05	0.14	13.72	13.72	0.	0.	0.	0.00	0.00		
367	0.3	6.13	6.13	3.	0.	0.	0.01	0.10	13.72	13.72	0.	0.	0.	0.00	0.00		
368	0.3	6.13	6.13	0.	0.	0.	0.00	0.05	13.72	13.72	0.	0.	0.	0.00	0.01		
369	0.3	6.13	6.13	0.	0.	0.	0.00	0.17	13.72	13.72	0.	0.	0.	0.00	0.01		
370	0.3	6.13	6.13	1.	0.	0.	0.01	0.03	5.81	5.81	6.	0.	0.	0.06	0.18		
371	0.3	6.13	6.13	5.	0.	0.	0.05	0.14	5.81	5.81	6.	0.	0.	0.06	0.18		
372	0.3	6.13	6.13	7.	0.	0.	0.07	0.20	5.81	5.81	5.	0.	0.	0.06	0.17		
373	0.3	6.13	6.13	7.	0.	0.	0.08	0.22	5.81	5.81	5.	0.	0.	0.06	0.16		
374	0.3	6.13	6.13	7.	0.	0.	0.07	0.21	5.81	5.81	4.	0.	0.	0.05	0.13		
375	0.3	6.13	6.13	6.	0.	0.	0.07	0.20	5.81	5.81	3.	0.	0.	0.03	0.10		
376	0.3	6.13	6.13	5.	0.	0.	0.05	0.16	5.81	5.81	2.	0.	0.	0.01	0.07		
377	0.3	6.13	6.13	2.	0.	0.	0.00	0.07	5.81	5.81	0.	0.	0.	0.00	0.04		
378	0.3	6.13	6.13	0.	0.	0.	0.00	0.11	5.81	5.81	0.	0.	0.	0.00	0.02		
379	0.3	6.13	6.13	0.	0.	0.	0.00	0.00	5.81	5.81	6.	0.	0.	0.07	0.20		
380	0.3	6.13	6.13	5.	0.	0.	0.06	0.15	5.81	5.81	6.	0.	0.	0.07	0.21		
381	0.3	6.13	6.13	8.	0.	0.	0.08	0.23	5.81	5.81	6.	0.	0.	0.07	0.21		
382	0.3	6.13	6.13	9.	0.	0.	0.09	0.27	5.81	5.81	7.	0.	0.	0.08	0.23		
383	0.3	6.13	6.13	9.	0.	0.	0.09	0.27	5.81	5.81	7.	0.	0.	0.08	0.23		
384	0.3	6.13	6.13	8.	0.	0.	0.09	0.25	5.81	5.81	7.	0.	0.	0.07	0.22		
385	0.3	6.13	6.13	6.	0.	0.	0.07	0.20	5.81	5.81	6.	0.	0.	0.06	0.20		
386	0.3	6.13	6.13	4.	0.	0.	0.05	0.14	5.81	5.81	5.	0.	0.	0.05	0.17		
387	0.3	6.13	6.13	1.	0.	0.	0.01	0.03	5.81	5.81	4.	0.	0.	0.03	0.13		
388	0.3	6.13	6.13	0.	0.	0.	0.00	0.00	5.81	5.81	6.	0.	0.	0.07	0.20		
389	0.3	6.13	6.13	5.	0.	0.	0.05	0.15	5.81	5.81	7.	0.	0.	0.07	0.22		
390	0.3	6.13	6.13	8.	0.	0.	0.09	0.25	5.81	5.81	7.	0.	0.	0.08	0.23		
391	0.3	6.13	6.13	9.	0.	0.	0.10	0.28	5.81	5.81	8.	0.	0.	0.08	0.25		
392	0.3	6.13	6.13	9.	0.	0.	0.10	0.29	5.81	5.81	8.	0.	0.	0.08	0.26		
393	0.3	6.13	6.13	9.	0.	0.	0.09	0.27	5.81	5.81	8.	0.	0.	0.08	0.25		
394	0.3	6.13	6.13	7.	0.	0.	0.08	0.23	5.81	5.81	7.	0.	0.	0.08	0.24		
395	0.3	6.13	6.13	5.	0.	0.	0.06	0.15	5.81	5.81	7.	0.	0.	0.07	0.22		
396	0.3	6.13	6.13	2.	0.	0.	0.02	0.05	5.81	5.81	5.	0.	0.	0.06	0.18		
397	0.3	6.13	6.13	0.	0.	0.	0.00	0.00	5.81	5.81	7.	0.	0.	0.07	0.23		
398	0.3	6.13	6.13	5.	0.	0.	0.05	0.14	5.81	5.81	7.	0.	0.	0.07	0.24		
399	0.3	6.13	6.13	8.	0.	0.	0.09	0.25	5.81	5.81	7.	0.	0.	0.08	0.24		
400	0.3	6.13	6.13	10.	0.	0.	0.11	0.29	5.81	5.81	8.	0.	0.	0.08	0.25		
401	0.3	6.13	6.13	10.	0.	0.	0.11	0.30	5.81	5.81	8.	0.	0.	0.08	0.25		
402	0.3	6.13	6.13	9.	0.	0.	0.10	0.28	5.81	5.81	8.	0.	0.	0.08	0.25		
403	0.3	6.13	6.13	8.	0.	0.	0.09	0.23	5.81	5.81	7.	0.	0.	0.08	0.23		
404	0.3	6.13	6.13	5.	0.	0.	0.06	0.16	5.81	5.81	6.	0.	0.	0.07	0.21		
405	0.3	6.13	6.13	3.	0.	0.	0.04	0.07	5.81	5.81	5.	0.	0.	0.06	0.18		
922	0.3	6.13	6.13	2.	1.	0.	0.00	0.26	7.91	7.91	2.	0.	0.	0.00	0.09		
923	0.3	6.13	6.13	5.	0.	0.	0.00	0.28	7.91	7.91	0.	0.	0.	0.00	0.02		
924	0.3	6.13	6.13	5.	0.	0.	0.00	0.23	7.91	7.91	0.	0.	0.	0.00	0.01		
925	0.3	6.13	6.13	4.	0.	0.	0.00	0.17	7.91	7.91	0.	0.	0.	0.00	0.00		
926	0.3	6.13	6.13	2.	0.	0.	0.00	0.09	7.91	7.91	0.	0.	0.	0.00	0.00		
927	0.3	6.13	6.13	1.	0.	0.	0.00	0.06	7.91	7.91	0.	0.	0.	0.00	0.00		
928	0.3	6.13	6.13	1.	0.	0.	0.00	0.03	7.91	7.91	0.	0.	0.	0.00	0.00		
929	0.3	6.13	6.13	1.	0.	0.	0.00	0.03	7.91	7.91	0.	0.	0.	0.00	0.00		
930	0.3	6.13	6.13	2.	0.	0.	0.00	0.08	7.91	7.91	0.	0.	0.	0.00	0.00		
931	0.3	6.13	6.13	3.	0.	0.	0.02	0.12	7.91	7.91	0.	0.	0.	0.00	0.00		
932	0.3	6.13	6.13	5.	0.	0.	0.04	0.16	7.91	7.91	0.	0.	0.	0.00	0.00		
933	0.3	6.13	6.13	6.	0.	0.	0.04	0.21	7.91	7.91	0.	0.	0.	0.00	0.00		
934	0.3	6.13	6.13	6.	0.	0.	0.04	0.21	7.91	7.91	0.	0.	0.	0.00	0.01		
935	0.3	6.13	6.13	6.	0.	0.	0.04	0.20	7.91	7.91	0.	0.	0.	0.00	0.01		
936	0.3	6.13	6.13	2.	0.	0.	0.02	0.08	7.91	7.91	0.	0.	0.	0.00	0.02		
937	0.3	6.13	6.13	0.	0.	0.	0.00	0.18	7.91	7.91	0.	0.	0.	0.00	0.12		
938	0.3	6.13	6.13	4.	0.	0.	0.00	0.24	7.91	7.91	0.	0.	0.	0.00	0.07		
939	0.3	6.13	6.13	5.	0.	0.	0.00	0.23	7.91	7.91	0.	0.	0.	0.00	0.05		
940	0.3	6.13	6.13	4.	0.	0.	0.01	0.18	7.91	7.91	0.	0.	0.	0.00	0.00		
941	0.3	6.13	6.13	3.	0.	0.	0.00	0.12	7.91	7.91	0.	0.	0.	0.01	-0.01		
942	0.3	6.13	6.13	2.	0.	0.	0.01	0.09	7.91	7.91	0.	0.	0.	0.00	0.00		

943	0.3	6.13	6.13	2.	0.	0.02	0.08	7.91	7.91	0.	0.	0.00	0.00
944	0.3	6.13	6.13	2.	0.	0.02	0.08	7.91	7.91	0.	0.	0.00	0.00
945	0.3	6.13	6.13	5.	0.	0.03	0.16	7.91	7.91	0.	0.	0.00	0.00
946	0.3	6.13	6.13	7.	0.	0.07	0.24	7.91	7.91	0.	0.	0.00	0.00
947	0.3	6.13	6.13	7.	0.	0.07	0.23	7.91	7.91	0.	0.	0.00	0.00
948	0.3	6.13	6.13	7.	0.	0.07	0.23	7.91	7.91	2.	0.	0.02	0.04
949	0.3	6.13	6.13	7.	0.	0.06	0.23	7.91	7.91	3.	0.	0.03	0.08
950	0.3	6.13	6.13	6.	0.	0.06	0.19	7.91	7.91	4.	0.	0.03	0.11
951	0.3	6.13	6.13	2.	0.	0.02	0.06	7.91	7.91	5.	0.	0.03	0.13
952	0.3	6.13	6.13	0.	0.	0.00	0.16	7.91	7.91	0.	0.	0.00	0.10
953	0.3	6.13	6.13	3.	0.	0.00	0.21	7.91	7.91	0.	0.	0.00	0.08
954	0.3	6.13	6.13	4.	0.	0.00	0.21	7.91	7.91	0.	0.	0.00	0.04
955	0.3	6.13	6.13	5.	0.	0.01	0.20	7.91	7.91	0.	0.	0.00	0.00
956	0.3	6.13	6.13	4.	0.	0.02	0.15	7.91	7.91	0.	0.	0.01	-0.01
957	0.3	6.13	6.13	3.	0.	0.02	0.11	7.91	7.91	0.	0.	0.01	-0.01
958	0.3	6.13	6.13	2.	0.	0.02	0.08	7.91	7.91	0.	0.	0.00	0.00
959	0.3	6.13	6.13	2.	0.	0.02	0.08	7.91	7.91	0.	0.	0.00	0.00
960	0.3	6.13	6.13	5.	0.	0.03	0.16	7.91	7.91	2.	0.	0.02	0.04
961	0.3	6.13	6.13	9.	0.	0.09	0.28	7.91	7.91	4.	0.	0.03	0.09
962	0.3	6.13	6.13	8.	0.	0.09	0.27	7.91	7.91	5.	0.	0.05	0.13
963	0.3	6.13	6.13	8.	0.	0.09	0.26	7.91	7.91	7.	0.	0.06	0.17
964	0.3	6.13	6.13	7.	0.	0.08	0.23	7.91	7.91	7.	0.	0.07	0.18
965	0.3	6.13	6.13	6.	0.	0.06	0.18	7.91	7.91	7.	0.	0.07	0.18
966	0.3	6.13	6.13	1.	0.	0.01	0.03	7.91	7.91	7.	0.	0.07	0.17
967	0.3	6.13	6.13	0.	0.	0.00	0.13	13.72	13.72	0.	0.	0.00	0.02
968	0.3	6.13	6.13	2.	0.	0.00	0.20	13.72	13.72	0.	0.	0.00	0.02
969	0.3	6.13	6.13	5.	0.	0.00	0.25	13.72	13.72	0.	0.	0.00	0.01
970	0.3	6.13	6.13	6.	0.	0.03	0.24	13.72	13.72	0.	0.	0.00	0.00
971	0.3	6.13	6.13	5.	0.	0.04	0.19	13.72	13.72	0.	0.	0.00	0.00
972	0.3	6.13	6.13	4.	0.	0.04	0.14	13.72	13.72	0.	0.	0.00	0.00
973	0.3	6.13	6.13	4.	0.	0.03	0.13	13.72	13.72	1.	0.	0.01	0.00
974	0.3	6.13	6.13	4.	0.	0.03	0.13	13.72	13.72	3.	0.	0.02	0.04
975	0.3	6.13	6.13	8.	0.	0.07	0.27	13.72	13.72	5.	0.	0.04	0.07
976	0.3	6.13	6.13	10.	0.	0.11	0.33	13.72	13.72	7.	0.	0.05	0.10
977	0.3	6.13	6.13	11.	0.	0.11	0.33	13.72	13.72	9.	0.	0.06	0.13
978	0.3	6.13	6.13	10.	0.	0.11	0.32	13.72	13.72	9.	0.	0.07	0.14
979	0.3	6.13	6.13	9.	0.	0.09	0.28	13.72	13.72	9.	0.	0.06	0.13
980	0.3	6.13	6.13	6.	0.	0.06	0.18	13.72	13.72	8.	0.	0.06	0.12
981	0.3	6.13	6.13	0.	0.	0.00	0.01	13.72	13.72	8.	0.	0.05	0.11
982	0.3	6.13	6.13	2.	0.	0.02	0.04	5.81	5.81	4.	0.	0.05	0.14
983	0.3	6.13	6.13	2.	0.	0.03	0.07	5.81	5.81	3.	0.	0.03	0.10
984	0.3	6.13	6.13	5.	0.	0.06	0.15	5.81	5.81	2.	0.	0.02	0.06
985	0.3	6.13	6.13	7.	0.	0.08	0.21	5.81	5.81	3.	0.	0.03	0.08
986	0.3	6.13	6.13	9.	0.	0.09	0.27	5.81	5.81	4.	0.	0.04	0.12
987	0.3	6.13	6.13	11.	0.	0.12	0.33	5.81	5.81	5.	0.	0.05	0.15
988	0.3	6.13	6.13	25.	0.	0.27	0.75	5.81	5.81	5.	0.	0.06	0.18
989	0.3	6.13	6.13	22.	0.	0.23	0.65	5.81	5.81	6.	0.	0.06	0.19
990	0.3	6.13	6.13	17.	0.	0.19	0.52	5.81	5.81	6.	0.	0.06	0.19
991	0.3	6.13	6.13	10.	0.	0.11	0.32	5.81	5.81	6.	0.	0.07	0.20
992	0.3	6.13	6.13	12.	0.	0.13	0.36	5.81	5.81	6.	0.	0.07	0.21
993	0.3	6.13	6.13	11.	0.	0.12	0.34	5.81	5.81	7.	0.	0.07	0.22
994	0.3	6.13	6.13	8.	0.	0.09	0.25	5.81	5.81	6.	0.	0.06	0.22
995	0.3	6.13	6.13	3.	0.	0.03	0.08	5.81	5.81	6.	0.	0.06	0.23
996	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	5.	0.	0.03	0.19
997	0.3	6.13	6.13	0.	0.	0.00	0.09	5.81	5.81	0.	0.	0.00	0.03
998	0.3	6.13	6.13	2.	0.	0.00	0.13	5.81	5.81	0.	0.	0.00	0.04
999	0.3	6.13	6.13	5.	0.	0.00	0.21	5.81	5.81	0.	0.	0.00	0.03
1000	0.3	6.13	6.13	7.	0.	0.04	0.25	5.81	5.81	0.	0.	0.00	0.01
1001	0.3	6.13	6.13	7.	0.	0.06	0.22	5.81	5.81	0.	0.	0.00	0.00
1002	0.3	6.13	6.13	5.	0.	0.06	0.17	5.81	5.81	0.	0.	0.00	0.00
1003	0.3	6.13	6.13	0.	0.	0.00	0.02	5.81	5.81	2.	0.	0.02	0.08
1004	0.3	6.13	6.13	1.	0.	0.01	0.05	5.81	5.81	1.	0.	0.00	0.05
1005	0.3	6.13	6.13	4.	0.	0.04	0.15	5.81	5.81	0.	0.	0.00	0.03
1006	0.3	6.13	6.13	7.	0.	0.07	0.23	5.81	5.81	0.	0.	0.00	0.02
1007	0.3	6.13	6.13	7.	0.	0.08	0.23	5.81	5.81	0.	0.	0.00	0.01
1008	0.3	6.13	6.13	7.	0.	0.08	0.23	5.81	5.81	1.	0.	0.01	0.03
1009	0.3	6.13	6.13	0.	0.	0.01	0.01	5.81	5.81	4.	0.	0.04	0.14
1010	0.3	6.13	6.13	2.	0.	0.02	0.05	5.81	5.81	3.	0.	0.03	0.09
1011	0.3	6.13	6.13	4.	0.	0.05	0.13	5.81	5.81	2.	0.	0.02	0.06
1012	0.3	6.13	6.13	7.	0.	0.07	0.21	5.81	5.81	3.	0.	0.03	0.08
1013	0.3	6.13	6.13	8.	0.	0.08	0.24	5.81	5.81	3.	0.	0.04	0.11
1014	0.3	6.13	6.13	8.	0.	0.09	0.26	5.81	5.81	4.	0.	0.05	0.15
1015	0.3	6.13	6.13	11.	0.	0.12	0.35	5.81	5.81	12.	0.	0.13	0.39
1016	0.3	6.13	6.13	12.	0.	0.12	0.36	5.81	5.81	11.	0.	0.12	0.37
1017	0.3	6.13	6.13	11.	0.	0.12	0.34	5.81	5.81	11.	0.	0.12	0.35
1018	0.3	6.13	6.13	9.	0.	0.10	0.28	5.81	5.81	9.	0.	0.10	0.30
1019	0.3	6.13	6.13	5.	0.	0.06	0.15	5.81	5.81	8.	0.	0.09	0.27
1020	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	7.	0.	0.08	0.25
1021	0.3	6.13	6.13	11.	0.	0.12	0.35	5.81	5.81	10.	0.	0.11	0.33
1022	0.3	6.13	6.13	12.	0.	0.13	0.37	5.81	5.81	10.	0.	0.11	0.32
1023	0.3	6.13	6.13	11.	0.	0.12	0.34	5.81	5.81	9.	0.	0.10	0.30
1024	0.3	6.13	6.13	9.	0.	0.10	0.27	5.81	5.81	8.	0.	0.09	0.26
1025	0.3	6.13	6.13	4.	0.	0.04	0.11	5.81	5.81	7.	0.	0.08	0.24
1026	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	7.	0.	0.07	0.22

1027	0.3	6.13	6.13	11.	0.	0.12	0.35	5.81	5.81	8.	0.	0.09	0.26
1028	0.3	6.13	6.13	12.	0.	0.13	0.37	5.81	5.81	8.	0.	0.08	0.25
1029	0.3	6.13	6.13	11.	0.	0.12	0.34	5.81	5.81	7.	0.	0.08	0.24
1030	0.3	6.13	6.13	9.	0.	0.09	0.26	5.81	5.81	6.	0.	0.07	0.21
1031	0.3	6.13	6.13	3.	0.	0.04	0.09	5.81	5.81	6.	0.	0.06	0.19
1032	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	5.	0.	0.05	0.16
					SUPERIORE ORIZZONTALE				SUPERIORE VERTICALE				
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
352	0.3	6.13	6.13	7.	0.	0.08	0.25	7.91	7.91	8.	0.	0.09	0.24
353	0.3	6.13	6.13	7.	0.	0.08	0.23	7.91	7.91	10.	0.	0.11	0.28
354	0.3	6.13	6.13	6.	0.	0.07	0.21	7.91	7.91	12.	0.	0.13	0.34
355	0.3	6.13	6.13	6.	0.	0.07	0.20	7.91	7.91	15.	0.	0.16	0.41
356	0.3	6.13	6.13	6.	0.	0.06	0.19	7.91	7.91	18.	0.	0.19	0.48
357	0.3	6.13	6.13	5.	0.	0.06	0.20	7.91	7.91	21.	0.	0.21	0.56
358	0.3	6.13	6.13	6.	0.	0.05	0.25	7.91	7.91	24.	0.	0.22	0.69
359	0.3	6.13	6.13	9.	0.	0.09	0.47	7.91	7.91	28.	0.	0.22	0.80
360	0.3	6.13	6.13	15.	1.	0.04	0.77	7.91	7.91	30.	0.	0.22	0.84
361	0.3	6.13	6.13	9.	0.	0.10	0.30	13.72	13.72	8.	0.	0.06	0.12
362	0.3	6.13	6.13	8.	0.	0.09	0.25	13.72	13.72	9.	0.	0.07	0.14
363	0.3	6.13	6.13	7.	0.	0.08	0.22	13.72	13.72	10.	0.	0.08	0.16
364	0.3	6.13	6.13	6.	0.	0.07	0.20	13.72	13.72	12.	0.	0.10	0.19
365	0.3	6.13	6.13	6.	0.	0.06	0.19	13.72	13.72	14.	0.	0.11	0.22
366	0.3	6.13	6.13	6.	0.	0.07	0.20	13.72	13.72	17.	0.	0.13	0.26
367	0.3	6.13	6.13	6.	0.	0.06	0.25	13.72	13.72	20.	0.	0.15	0.31
368	0.3	6.13	6.13	9.	0.	0.09	0.43	13.72	13.72	23.	0.	0.17	0.36
369	0.3	6.13	6.13	14.	0.	0.06	0.66	13.72	13.72	24.	0.	0.17	0.37
370	0.3	6.13	6.13	11.	0.	0.13	0.36	5.81	5.81	8.	0.	0.09	0.27
371	0.3	6.13	6.13	9.	0.	0.10	0.29	5.81	5.81	9.	0.	0.10	0.29
372	0.3	6.13	6.13	7.	0.	0.08	0.23	5.81	5.81	9.	0.	0.11	0.31
373	0.3	6.13	6.13	6.	0.	0.07	0.20	5.81	5.81	10.	0.	0.12	0.35
374	0.3	6.13	6.13	6.	0.	0.06	0.19	5.81	5.81	11.	0.	0.13	0.39
375	0.3	6.13	6.13	6.	0.	0.07	0.20	5.81	5.81	12.	0.	0.15	0.44
376	0.3	6.13	6.13	6.	0.	0.07	0.24	5.81	5.81	13.	0.	0.15	0.49
377	0.3	6.13	6.13	8.	0.	0.10	0.38	5.81	5.81	14.	0.	0.14	0.50
378	0.3	6.13	6.13	13.	0.	0.12	0.55	5.81	5.81	13.	0.	0.13	0.48
379	0.3	6.13	6.13	14.	0.	0.15	0.45	5.81	5.81	8.	0.	0.09	0.28
380	0.3	6.13	6.13	11.	0.	0.12	0.33	5.81	5.81	8.	0.	0.09	0.28
381	0.3	6.13	6.13	8.	0.	0.09	0.26	5.81	5.81	9.	0.	0.10	0.29
382	0.3	6.13	6.13	7.	0.	0.07	0.21	5.81	5.81	9.	0.	0.10	0.30
383	0.3	6.13	6.13	6.	0.	0.07	0.19	5.81	5.81	9.	0.	0.10	0.32
384	0.3	6.13	6.13	6.	0.	0.07	0.20	5.81	5.81	9.	0.	0.11	0.33
385	0.3	6.13	6.13	7.	0.	0.08	0.23	5.81	5.81	9.	0.	0.10	0.33
386	0.3	6.13	6.13	9.	0.	0.10	0.32	5.81	5.81	8.	0.	0.08	0.29
387	0.3	6.13	6.13	11.	0.	0.13	0.39	5.81	5.81	7.	0.	0.08	0.24
388	0.3	6.13	6.13	16.	0.	0.17	0.50	5.81	5.81	9.	0.	0.09	0.29
389	0.3	6.13	6.13	12.	0.	0.13	0.36	5.81	5.81	9.	0.	0.09	0.28
390	0.3	6.13	6.13	9.	0.	0.10	0.27	5.81	5.81	8.	0.	0.09	0.28
391	0.3	6.13	6.13	7.	0.	0.08	0.21	5.81	5.81	8.	0.	0.09	0.28
392	0.3	6.13	6.13	6.	0.	0.07	0.19	5.81	5.81	8.	0.	0.09	0.27
393	0.3	6.13	6.13	6.	0.	0.07	0.20	5.81	5.81	7.	0.	0.08	0.25
394	0.3	6.13	6.13	7.	0.	0.08	0.23	5.81	5.81	7.	0.	0.07	0.22
395	0.3	6.13	6.13	8.	0.	0.10	0.28	5.81	5.81	5.	0.	0.06	0.18
396	0.3	6.13	6.13	9.	0.	0.11	0.31	5.81	5.81	4.	0.	0.04	0.13
397	0.3	6.13	6.13	18.	0.	0.19	0.55	5.81	5.81	8.	0.	0.08	0.27
398	0.3	6.13	6.13	13.	0.	0.13	0.39	5.81	5.81	8.	0.	0.08	0.27
399	0.3	6.13	6.13	9.	0.	0.10	0.28	5.81	5.81	8.	0.	0.09	0.26
400	0.3	6.13	6.13	7.	0.	0.08	0.21	5.81	5.81	8.	0.	0.09	0.26
401	0.3	6.13	6.13	6.	0.	0.07	0.18	5.81	5.81	8.	0.	0.08	0.25
402	0.3	6.13	6.13	6.	0.	0.07	0.19	5.81	5.81	7.	0.	0.08	0.23
403	0.3	6.13	6.13	7.	0.	0.08	0.21	5.81	5.81	6.	0.	0.07	0.21
404	0.3	6.13	6.13	8.	0.	0.09	0.24	5.81	5.81	5.	0.	0.06	0.17
405	0.3	6.13	6.13	7.	0.	0.09	0.23	5.81	5.81	4.	0.	0.04	0.13
922	0.3	6.13	6.13	19.	0.	0.10	0.74	7.91	7.91	14.	0.	0.14	0.47
923	0.3	6.13	6.13	10.	0.	0.01	0.47	7.91	7.91	17.	0.	0.17	0.49
924	0.3	6.13	6.13	6.	0.	0.00	0.30	7.91	7.91	20.	0.	0.21	0.55
925	0.3	6.13	6.13	5.	0.	0.01	0.21	7.91	7.91	24.	0.	0.24	0.63
926	0.3	6.13	6.13	3.	0.	0.00	0.17	7.91	7.91	27.	0.	0.27	0.69
927	0.3	6.13	6.13	2.	0.	0.01	0.13	7.91	7.91	28.	0.	0.28	0.73
928	0.3	6.13	6.13	1.	0.	0.00	0.08	7.91	7.91	28.	0.	0.28	0.73
929	0.3	6.13	6.13	1.	0.	0.00	0.07	7.91	7.91	27.	0.	0.27	0.70
930	0.3	6.13	6.13	2.	0.	0.01	0.10	7.91	7.91	27.	0.	0.26	0.69
931	0.3	6.13	6.13	3.	0.	0.03	0.15	7.91	7.91	26.	0.	0.25	0.65
932	0.3	6.13	6.13	5.	0.	0.04	0.20	7.91	7.91	24.	0.	0.22	0.59
933	0.3	6.13	6.13	6.	0.	0.05	0.23	7.91	7.91	21.	0.	0.19	0.51
934	0.3	6.13	6.13	7.	0.	0.06	0.25	7.91	7.91	17.	0.	0.15	0.41
935	0.3	6.13	6.13	8.	0.	0.07	0.27	7.91	7.91	14.	0.	0.12	0.35
936	0.3	6.13	6.13	8.	0.	0.09	0.29	7.91	7.91	11.	0.	0.09	0.29
937	0.3	6.13	6.13	20.	0.	0.11	0.76	7.91	7.91	28.	0.	0.20	0.83
938	0.3	6.13	6.13	8.	0.	0.00	0.42	7.91	7.91	27.	0.	0.20	0.73
939	0.3	6.13	6.13	5.	0.	0.00	0.24	7.91	7.91	25.	0.	0.22	0.67
940	0.3	6.13	6.13	3.	0.	0.00	0.16	7.91	7.91	24.	0.	0.22	0.57
941	0.3	6.13	6.13	2.	0.	0.00	0.12	7.91	7.91	21.	0.	0.20	0.51
942	0.3	6.13	6.13	1.	0.	0.00	0.08	7.91	7.91	19.	0.	0.18	0.47

943	0.3	6.13	6.13	0.	0.	0.00	0.03	7.91	7.91	17.	0.	0.17	0.42
944	0.3	6.13	6.13	0.	0.	0.00	0.04	7.91	7.91	14.	0.	0.15	0.39
945	0.3	6.13	6.13	1.	0.	0.00	0.07	7.91	7.91	15.	0.	0.16	0.41
946	0.3	6.13	6.13	3.	0.	0.03	0.12	7.91	7.91	15.	0.	0.15	0.41
947	0.3	6.13	6.13	5.	0.	0.05	0.18	7.91	7.91	15.	0.	0.15	0.39
948	0.3	6.13	6.13	6.	0.	0.06	0.21	7.91	7.91	14.	0.	0.13	0.35
949	0.3	6.13	6.13	7.	0.	0.07	0.25	7.91	7.91	12.	0.	0.11	0.30
950	0.3	6.13	6.13	8.	0.	0.09	0.28	7.91	7.91	11.	0.	0.09	0.28
951	0.3	6.13	6.13	10.	0.	0.11	0.33	7.91	7.91	10.	0.	0.08	0.26
952	0.3	6.13	6.13	18.	0.	0.10	0.70	7.91	7.91	30.	0.	0.22	0.84
953	0.3	6.13	6.13	7.	0.	0.00	0.36	7.91	7.91	29.	0.	0.22	0.79
954	0.3	6.13	6.13	3.	0.	0.00	0.20	7.91	7.91	26.	0.	0.21	0.67
955	0.3	6.13	6.13	2.	0.	0.00	0.11	7.91	7.91	21.	0.	0.19	0.50
956	0.3	6.13	6.13	1.	0.	0.00	0.08	7.91	7.91	16.	0.	0.15	0.37
957	0.3	6.13	6.13	1.	0.	0.00	0.05	7.91	7.91	11.	0.	0.11	0.28
958	0.3	6.13	6.13	0.	0.	0.00	0.01	7.91	7.91	8.	0.	0.08	0.21
959	0.3	6.13	6.13	0.	0.	0.00	0.04	7.91	7.91	7.	0.	0.08	0.20
960	0.3	6.13	6.13	1.	0.	0.00	0.05	7.91	7.91	8.	0.	0.09	0.23
961	0.3	6.13	6.13	3.	0.	0.03	0.12	7.91	7.91	9.	0.	0.10	0.25
962	0.3	6.13	6.13	5.	0.	0.05	0.16	7.91	7.91	9.	0.	0.10	0.25
963	0.3	6.13	6.13	6.	0.	0.06	0.20	7.91	7.91	9.	0.	0.09	0.25
964	0.3	6.13	6.13	7.	0.	0.08	0.24	7.91	7.91	9.	0.	0.09	0.23
965	0.3	6.13	6.13	9.	0.	0.10	0.30	7.91	7.91	9.	0.	0.08	0.22
966	0.3	6.13	6.13	11.	0.	0.13	0.40	7.91	7.91	9.	0.	0.08	0.21
967	0.3	6.13	6.13	18.	0.	0.11	0.68	13.72	13.72	23.	0.	0.16	0.37
968	0.3	6.13	6.13	6.	0.	0.00	0.31	13.72	13.72	21.	0.	0.14	0.34
969	0.3	6.13	6.13	2.	0.	0.00	0.17	13.72	13.72	17.	0.	0.12	0.26
970	0.3	6.13	6.13	0.	0.	0.00	0.06	13.72	13.72	12.	0.	0.09	0.18
971	0.3	6.13	6.13	0.	0.	0.00	0.02	13.72	13.72	8.	0.	0.06	0.12
972	0.3	6.13	6.13	0.	0.	0.00	0.01	13.72	13.72	5.	0.	0.04	0.07
973	0.3	6.13	6.13	0.	0.	0.00	0.01	13.72	13.72	3.	0.	0.03	0.05
974	0.3	6.13	6.13	0.	0.	0.00	0.01	13.72	13.72	3.	0.	0.03	0.05
975	0.3	6.13	6.13	0.	0.	0.00	0.03	13.72	13.72	3.	0.	0.04	0.07
976	0.3	6.13	6.13	3.	0.	0.04	0.11	13.72	13.72	5.	0.	0.05	0.09
977	0.3	6.13	6.13	4.	0.	0.05	0.14	13.72	13.72	6.	0.	0.05	0.10
978	0.3	6.13	6.13	5.	0.	0.06	0.19	13.72	13.72	7.	0.	0.05	0.11
979	0.3	6.13	6.13	7.	0.	0.09	0.26	13.72	13.72	7.	0.	0.05	0.11
980	0.3	6.13	6.13	10.	0.	0.12	0.35	13.72	13.72	7.	0.	0.05	0.11
981	0.3	6.13	6.13	13.	0.	0.17	0.48	13.72	13.72	8.	0.	0.05	0.11
982	0.3	6.13	6.13	5.	0.	0.06	0.14	5.81	5.81	3.	0.	0.03	0.09
983	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.81	5.81	1.	0.	0.02	0.05
984	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.81	5.81	0.	0.	0.00	0.00
985	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	0.	0.	0.00	0.00
986	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	0.	0.	0.00	0.01
987	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	0.	0.	0.01	0.02
988	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.81	5.81	0.	0.	0.01	0.03
989	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.81	5.81	1.	0.	0.02	0.05
990	0.3	6.13	6.13	0.	0.	0.01	-0.01	5.81	5.81	2.	0.	0.03	0.08
991	0.3	6.13	6.13	2.	0.	0.03	0.07	5.81	5.81	3.	0.	0.04	0.13
992	0.3	6.13	6.13	2.	0.	0.03	0.06	5.81	5.81	5.	0.	0.07	0.20
993	0.3	6.13	6.13	3.	0.	0.05	0.13	5.81	5.81	6.	0.	0.07	0.22
994	0.3	6.13	6.13	6.	0.	0.09	0.25	5.81	5.81	7.	0.	0.07	0.24
995	0.3	6.13	6.13	11.	0.	0.15	0.44	5.81	5.81	7.	0.	0.06	0.25
996	0.3	6.13	6.13	18.	0.	0.23	0.69	5.81	5.81	7.	0.	0.06	0.27
997	0.3	6.13	6.13	15.	0.	0.10	0.53	5.81	5.81	11.	0.	0.12	0.44
998	0.3	6.13	6.13	3.	0.	0.00	0.19	5.81	5.81	10.	0.	0.08	0.38
999	0.3	6.13	6.13	0.	0.	0.00	0.08	5.81	5.81	7.	0.	0.07	0.29
1000	0.3	6.13	6.13	0.	0.	0.00	0.05	5.81	5.81	5.	0.	0.07	0.20
1001	0.3	6.13	6.13	0.	0.	0.00	0.02	5.81	5.81	5.	0.	0.06	0.18
1002	0.3	6.13	6.13	0.	0.	0.00	0.01	5.81	5.81	4.	0.	0.05	0.15
1003	0.3	6.13	6.13	10.	0.	0.10	0.32	5.81	5.81	5.	0.	0.06	0.19
1004	0.3	6.13	6.13	1.	0.	0.00	0.06	5.81	5.81	3.	0.	0.02	0.16
1005	0.3	6.13	6.13	0.	0.	0.00	0.03	5.81	5.81	2.	0.	0.00	0.10
1006	0.3	6.13	6.13	0.	0.	0.00	0.02	5.81	5.81	1.	0.	0.01	0.05
1007	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	0.	0.	0.01	0.03
1008	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	0.	0.	0.01	0.02
1009	0.3	6.13	6.13	7.	0.	0.07	0.20	5.81	5.81	3.	0.	0.03	0.08
1010	0.3	6.13	6.13	0.	0.	0.01	0.01	5.81	5.81	1.	0.	0.01	0.04
1011	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	0.	0.	0.00	0.00
1012	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	0.	0.	0.00	0.00
1013	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	0.	0.	0.00	0.00
1014	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	0.	0.	0.00	0.00
1015	0.3	6.13	6.13	3.	0.	0.03	0.09	5.81	5.81	5.	0.	0.06	0.17
1016	0.3	6.13	6.13	3.	0.	0.04	0.12	5.81	5.81	5.	0.	0.06	0.19
1017	0.3	6.13	6.13	5.	0.	0.06	0.17	5.81	5.81	6.	0.	0.07	0.20
1018	0.3	6.13	6.13	7.	0.	0.09	0.26	5.81	5.81	6.	0.	0.07	0.22
1019	0.3	6.13	6.13	10.	0.	0.13	0.39	5.81	5.81	7.	0.	0.08	0.23
1020	0.3	6.13	6.13	15.	0.	0.19	0.56	5.81	5.81	7.	0.	0.08	0.25
1021	0.3	6.13	6.13	3.	0.	0.03	0.08	5.81	5.81	4.	0.	0.05	0.14
1022	0.3	6.13	6.13	2.	0.	0.03	0.09	5.81	5.81	4.	0.	0.06	0.16
1023	0.3	6.13	6.13	4.	0.	0.06	0.15	5.81	5.81	5.	0.	0.06	0.19
1024	0.3	6.13	6.13	7.	0.	0.09	0.26	5.81	5.81	6.	0.	0.07	0.22
1025	0.3	6.13	6.13	11.	0.	0.14	0.41	5.81	5.81	7.	0.	0.08	0.24
1026	0.3	6.13	6.13	17.	0.	0.21	0.63	5.81	5.81	7.	0.	0.08	0.25

1027	0.3	6.13	6.13	3.	0.	0.03	0.09	5.81	5.81	4.	0.	0.06	0.17
1028	0.3	6.13	6.13	2.	0.	0.03	0.08	5.81	5.81	5.	0.	0.06	0.18
1029	0.3	6.13	6.13	3.	0.	0.05	0.14	5.81	5.81	5.	0.	0.07	0.20
1030	0.3	6.13	6.13	6.	0.	0.09	0.25	5.81	5.81	6.	0.	0.08	0.23
1031	0.3	6.13	6.13	11.	0.	0.15	0.43	5.81	5.81	7.	0.	0.08	0.25
1032	0.3	6.13	6.13	17.	0.	0.23	0.66	5.81	5.81	8.	0.	0.09	0.26

***** TAGLIO PERPENDICOLARE

GUSCI	tauX	tauY	tauT	GUSCI	tauX	tauY	tauT	GUSCI	tauX	tauY	tauT
352	27.9	39.2	29.2	353	28.3	48.6	40.7	354	21.7	77.8	69.1
355	17.5	96.9	90.4	356	13.2	104.0	102.0	357	19.6	105.5	102.4
358	41.0	83.9	64.6	359	262.1	68.5	197.5	360	251.9	167.9	181.6
361	20.7	10.8	14.7	362	10.1	18.1	13.8	363	17.5	39.4	36.4
364	20.7	52.7	51.7	365	22.6	59.8	60.8	366	29.1	64.4	66.2
367	43.7	75.9	75.5	368	87.7	109.3	126.0	369	254.0	335.1	299.8
370	46.9	16.9	40.5	371	23.8	7.1	18.7	372	7.9	19.1	16.0
373	7.2	32.3	28.8	374	14.3	41.9	39.9	375	22.4	50.9	49.6
376	33.3	63.1	63.1	377	51.9	86.8	90.1	378	63.1	110.4	116.4
379	70.6	20.7	63.9	380	41.2	14.3	37.6	381	21.8	5.9	18.9
382	6.3	16.7	14.7	383	5.2	24.9	22.1	384	13.7	32.2	31.1
385	21.3	40.0	41.1	386	28.9	50.8	53.5	387	19.8	64.9	63.4
388	105.4	35.0	94.9	389	55.2	13.9	51.9	390	31.5	2.4	28.7
391	13.7	5.6	13.1	392	1.6	10.4	9.1	393	7.7	14.2	14.6
394	12.9	18.5	20.4	395	14.4	23.5	24.8	396	3.8	29.9	27.5
397	112.6	54.1	107.6	398	57.3	6.0	55.0	399	32.4	2.4	31.7
400	14.9	2.4	14.4	401	4.8	0.7	4.3	402	7.1	0.8	6.8
403	10.4	4.2	10.0	404	8.5	5.3	8.1	405	3.4	5.4	5.0
922	34.6	212.0	177.5	923	83.9	103.8	84.0	924	55.7	87.2	73.4
925	34.8	136.3	116.3	926	16.3	165.5	151.1	927	5.8	181.4	173.1
928	3.6	189.1	185.1	929	6.3	190.0	188.8	930	9.6	189.7	186.2
931	12.9	181.0	173.8	932	17.7	162.3	152.2	933	23.5	136.4	124.6
934	29.5	104.6	92.2	935	37.4	64.0	53.2	936	35.1	53.6	38.2
937	137.6	387.3	266.3	938	47.3	125.2	95.4	939	4.9	38.5	23.9
940	9.0	76.0	59.3	941	9.8	95.1	84.5	942	4.7	106.2	99.7
943	2.7	111.1	107.7	944	9.9	112.5	110.8	945	18.5	115.0	111.9
946	18.2	106.7	104.8	947	21.8	95.6	92.3	948	22.2	80.5	75.3
949	18.7	59.0	52.0	950	9.4	28.8	20.9	951	33.5	13.5	23.6
952	344.3	173.4	299.7	953	128.6	38.4	122.2	954	67.3	60.4	60.9
955	30.1	51.3	49.9	956	12.6	62.4	57.9	957	14.5	39.5	68.0
958	8.5	76.6	72.8	959	17.6	75.5	74.8	960	24.1	86.3	84.3
961	11.2	72.4	71.6	962	6.3	63.0	58.8	963	3.0	49.8	44.2
964	14.9	31.5	28.2	965	32.3	7.7	26.5	966	68.4	16.6	58.5
967	321.6	339.5	344.1	968	129.6	134.5	156.2	969	72.7	64.8	83.4
970	37.8	47.1	51.5	971	16.0	40.3	36.0	972	25.7	34.3	32.3
973	31.3	58.7	51.1	974	13.6	42.0	38.4	975	69.1	107.4	102.3
976	50.7	70.8	66.2	977	9.2	34.4	30.5	978	16.2	24.5	25.6
979	32.0	11.1	21.9	980	51.3	9.9	46.3	981	89.1	15.1	82.8
982	16.6	6.9	15.5	983	21.9	3.9	20.1	984	23.7	6.2	21.6
985	23.9	10.1	21.9	986	25.4	12.3	22.3	987	77.6	32.7	75.8
988	24.9	69.7	47.4	989	36.7	6.4	33.8	990	86.4	9.1	71.8
991	22.5	19.0	18.5	992	9.0	1.9	7.5	993	27.6	4.5	27.0
994	48.8	5.1	48.2	995	75.8	5.2	73.5	996	120.6	64.1	120.1
997	80.9	124.4	136.3	998	82.0	81.5	101.5	999	48.2	59.3	65.8
1000	28.4	41.8	43.3	1001	7.6	32.7	29.1	1002	60.1	50.3	53.9
1003	36.2	73.0	72.7	1004	45.4	49.1	58.3	1005	35.0	35.4	45.5
1006	22.3	28.6	32.9	1007	17.1	33.3	28.6	1008	36.0	41.6	36.8
1009	21.7	31.0	33.5	1010	28.3	24.3	24.2	1011	27.3	18.0	29.3
1012	22.0	16.0	23.5	1013	20.6	26.5	26.4	1014	93.2	52.1	69.2
1015	69.7	6.3	42.3	1016	14.1	8.0	12.1	1017	24.1	4.4	23.2
1018	42.5	4.1	39.3	1019	63.6	13.7	60.1	1020	100.1	14.3	96.4
1021	26.2	21.0	24.3	1022	15.4	10.5	13.6	1023	28.0	6.1	26.7
1024	48.3	9.4	46.2	1025	71.3	15.5	69.0	1026	109.1	15.2	105.5
1027	30.0	28.2	26.6	1028	11.4	8.8	10.1	1029	29.7	7.9	28.1
1030	51.2	9.6	49.2	1031	76.6	12.8	74.4	1032	127.1	25.4	120.8

tensione di snervamento acciaio (fyk): 450000 kPa
coefficiente sicurezza acciaio : 1.15
deformazione ultima acciaio : 67.5 per mille
deformazione ultima cls : 3.5 per mille
rapporto rottura/snervamento (k): 1.15
resistenza cilindrica cls (fck): 29050 kPa
coefficiente sicurezza cls : 1.5
coefficiente riduttivo (alfa): 0.85
copriferro inferiore (asse armatura): 0.03 m
copriferro superiore (asse armatura): 0.03 m
moltiplicatore sollecitazioni : 1

GUSCI	spess	INFERIORE ORIZZONTALE				INFERIORE VERTICALE			
		Af	Afc	Mom	Nor	epsC	epsF	Af	Afc
406	0.3	6.13	6.13	2.	0.	0.00	0.12	7.91	7.91
407	0.3	6.13	6.13	2.	0.	0.00	0.13	7.91	7.91
408	0.3	6.13	6.13	2.	0.	0.00	0.15	7.91	7.91
409	0.3	6.13	6.13	2.	0.	0.00	0.15	7.91	7.91
410	0.3	6.13	6.13	2.	0.	0.00	0.16	7.91	7.91
411	0.3	6.13	6.13	2.	0.	0.00	0.18	7.91	7.91
412	0.3	6.13	6.13	2.	0.	0.00	0.22	7.91	7.91
413	0.3	6.13	6.13	2.	1.	0.00	0.30	7.91	7.91
414	0.3	6.13	6.13	6.	1.	0.00	0.67	7.91	7.91
415	0.3	6.13	6.13	2.	0.	0.00	0.12	13.72	13.72
416	0.3	6.13	6.13	2.	0.	0.00	0.13	13.72	13.72
417	0.3	6.13	6.13	2.	0.	0.00	0.14	13.72	13.72
418	0.3	6.13	6.13	2.	0.	0.00	0.15	13.72	13.72
419	0.3	6.13	6.13	2.	0.	0.00	0.15	13.72	13.72
420	0.3	6.13	6.13	2.	0.	0.00	0.17	13.72	13.72
421	0.3	6.13	6.13	2.	0.	0.00	0.21	13.72	13.72
422	0.3	6.13	6.13	2.	1.	0.00	0.28	13.72	13.72
423	0.3	6.13	6.13	5.	1.	0.00	0.56	13.72	13.72
424	0.3	6.13	6.13	3.	0.	0.00	0.12	5.81	5.81
425	0.3	6.13	6.13	2.	0.	0.00	0.13	5.81	5.81
426	0.3	6.13	6.13	2.	0.	0.00	0.13	5.81	5.81
427	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81
428	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81
429	0.3	6.13	6.13	2.	0.	0.00	0.16	5.81	5.81
430	0.3	6.13	6.13	2.	0.	0.00	0.19	5.81	5.81
431	0.3	6.13	6.13	2.	0.	0.00	0.25	5.81	5.81
432	0.3	6.13	6.13	5.	1.	0.00	0.48	5.81	5.81
433	0.3	6.13	6.13	4.	0.	0.02	0.13	5.81	5.81
434	0.3	6.13	6.13	3.	0.	0.00	0.13	5.81	5.81
435	0.3	6.13	6.13	2.	0.	0.00	0.12	5.81	5.81
436	0.3	6.13	6.13	2.	0.	0.00	0.13	5.81	5.81
437	0.3	6.13	6.13	2.	0.	0.00	0.13	5.81	5.81
438	0.3	6.13	6.13	1.	0.	0.00	0.14	5.81	5.81
439	0.3	6.13	6.13	2.	0.	0.00	0.17	5.81	5.81
440	0.3	6.13	6.13	2.	0.	0.00	0.22	5.81	5.81
441	0.3	6.13	6.13	4.	1.	0.00	0.31	5.81	5.81
442	0.3	6.13	6.13	4.	0.	0.04	0.13	5.81	5.81
443	0.3	6.13	6.13	3.	0.	0.00	0.12	5.81	5.81
444	0.3	6.13	6.13	2.	0.	0.00	0.12	5.81	5.81
445	0.3	6.13	6.13	2.	0.	0.00	0.12	5.81	5.81
446	0.3	6.13	6.13	1.	0.	0.00	0.12	5.81	5.81
447	0.3	6.13	6.13	1.	0.	0.00	0.13	5.81	5.81
448	0.3	6.13	6.13	2.	0.	0.00	0.15	5.81	5.81
449	0.3	6.13	6.13	2.	0.	0.00	0.18	5.81	5.81
450	0.3	6.13	6.13	2.	0.	0.00	0.22	5.81	5.81
451	0.3	6.13	6.13	4.	0.	0.05	0.14	5.81	5.81
452	0.3	6.13	6.13	3.	0.	0.01	0.12	5.81	5.81
453	0.3	6.13	6.13	2.	0.	0.00	0.11	5.81	5.81
454	0.3	6.13	6.13	2.	0.	0.00	0.11	5.81	5.81
455	0.3	6.13	6.13	1.	0.	0.00	0.11	5.81	5.81
456	0.3	6.13	6.13	1.	0.	0.00	0.11	5.81	5.81
457	0.3	6.13	6.13	2.	0.	0.00	0.13	5.81	5.81
458	0.3	6.13	6.13	2.	0.	0.00	0.15	5.81	5.81
459	0.3	6.13	6.13	2.	0.	0.00	0.16	5.81	5.81
625	0.3	6.13	6.13	3.	2.	0.00	0.71	7.91	7.91
626	0.3	6.13	6.13	3.	1.	0.00	0.58	7.91	7.91
627	0.3	6.13	6.13	2.	1.	0.00	0.44	7.91	7.91
628	0.3	6.13	6.13	1.	1.	0.00	0.34	7.91	7.91
629	0.3	6.13	6.13	1.	1.	0.00	0.26	7.91	7.91
630	0.3	6.13	6.13	1.	1.	0.00	0.22	7.91	7.91
631	0.3	6.13	6.13	1.	0.	0.00	0.21	7.91	7.91
632	0.3	6.13	6.13	2.	0.	0.00	0.20	7.91	7.91
633	0.3	6.13	6.13	2.	0.	0.00	0.20	7.91	7.91
634	0.3	6.13	6.13	2.	0.	0.00	0.20	7.91	7.91
635	0.3	6.13	6.13	3.	0.	0.00	0.21	7.91	7.91
636	0.3	6.13	6.13	3.	0.	0.00	0.21	7.91	7.91
637	0.3	6.13	6.13	3.	0.	0.00	0.21	7.91	7.91
638	0.3	6.13	6.13	4.	0.	0.00	0.20	7.91	7.91
639	0.3	6.13	6.13	4.	0.	0.00	0.18	7.91	7.91
640	0.3	6.13	6.13	3.	1.	0.00	0.65	7.91	7.91

641	0.3	6.13	6.13	2.	1.	0.00	0.52	7.91	7.91	6.	0.	0.00	0.24
642	0.3	6.13	6.13	1.	1.	0.00	0.40	7.91	7.91	6.	0.	0.01	0.23
643	0.3	6.13	6.13	1.	1.	0.00	0.31	7.91	7.91	7.	0.	0.05	0.20
644	0.3	6.13	6.13	0.	1.	0.00	0.24	7.91	7.91	7.	0.	0.05	0.19
645	0.3	6.13	6.13	0.	1.	0.00	0.20	7.91	7.91	7.	0.	0.05	0.19
646	0.3	6.13	6.13	1.	0.	0.00	0.19	7.91	7.91	7.	0.	0.05	0.20
647	0.3	6.13	6.13	1.	0.	0.00	0.19	7.91	7.91	8.	0.	0.05	0.21
648	0.3	6.13	6.13	2.	0.	0.00	0.19	7.91	7.91	8.	0.	0.05	0.21
649	0.3	6.13	6.13	2.	0.	0.00	0.19	7.91	7.91	7.	0.	0.04	0.21
650	0.3	6.13	6.13	3.	0.	0.00	0.20	7.91	7.91	7.	0.	0.02	0.20
651	0.3	6.13	6.13	3.	0.	0.00	0.19	7.91	7.91	6.	0.	0.01	0.19
652	0.3	6.13	6.13	3.	0.	0.00	0.20	7.91	7.91	5.	0.	0.00	0.17
653	0.3	6.13	6.13	4.	0.	0.00	0.20	7.91	7.91	4.	0.	0.00	0.16
654	0.3	6.13	6.13	5.	0.	0.02	0.20	7.91	7.91	4.	0.	0.00	0.15
655	0.3	6.13	6.13	3.	1.	0.00	0.57	7.91	7.91	8.	0.	0.07	0.22
656	0.3	6.13	6.13	2.	1.	0.00	0.44	7.91	7.91	7.	0.	0.07	0.17
657	0.3	6.13	6.13	1.	1.	0.00	0.33	7.91	7.91	6.	0.	0.06	0.14
658	0.3	6.13	6.13	0.	1.	0.00	0.26	7.91	7.91	4.	0.	0.04	0.10
659	0.3	6.13	6.13	0.	1.	0.00	0.22	7.91	7.91	3.	0.	0.03	0.07
660	0.3	6.13	6.13	0.	0.	0.00	0.19	7.91	7.91	3.	0.	0.02	0.06
661	0.3	6.13	6.13	0.	0.	0.00	0.18	7.91	7.91	3.	0.	0.03	0.08
662	0.3	6.13	6.13	1.	0.	0.00	0.17	7.91	7.91	3.	0.	0.02	0.10
663	0.3	6.13	6.13	1.	0.	0.00	0.18	7.91	7.91	4.	0.	0.01	0.11
664	0.3	6.13	6.13	2.	0.	0.00	0.18	7.91	7.91	4.	0.	0.01	0.13
665	0.3	6.13	6.13	2.	0.	0.00	0.19	7.91	7.91	4.	0.	0.00	0.14
666	0.3	6.13	6.13	3.	0.	0.00	0.18	7.91	7.91	4.	0.	0.00	0.14
667	0.3	6.13	6.13	4.	0.	0.00	0.19	7.91	7.91	3.	0.	0.00	0.13
668	0.3	6.13	6.13	5.	0.	0.00	0.20	7.91	7.91	3.	0.	0.00	0.13
669	0.3	6.13	6.13	6.	0.	0.04	0.22	7.91	7.91	3.	0.	0.00	0.13
670	0.3	6.13	6.13	3.	1.	0.00	0.52	13.72	13.72	6.	0.	0.04	0.09
671	0.3	6.13	6.13	1.	1.	0.00	0.36	13.72	13.72	5.	0.	0.04	0.07
672	0.3	6.13	6.13	0.	1.	0.00	0.27	13.72	13.72	3.	0.	0.03	0.04
673	0.3	6.13	6.13	0.	1.	0.00	0.23	13.72	13.72	2.	0.	0.02	0.02
674	0.3	6.13	6.13	0.	1.	0.00	0.20	13.72	13.72	1.	0.	0.01	0.00
675	0.3	6.13	6.13	0.	0.	0.00	0.18	13.72	13.72	0.	0.	0.00	0.00
676	0.3	6.13	6.13	0.	0.	0.00	0.17	13.72	13.72	0.	0.	0.00	0.01
677	0.3	6.13	6.13	0.	0.	0.00	0.15	13.72	13.72	1.	0.	0.01	0.02
678	0.3	6.13	6.13	1.	0.	0.00	0.16	13.72	13.72	2.	0.	0.00	0.03
679	0.3	6.13	6.13	1.	0.	0.00	0.16	13.72	13.72	2.	0.	0.00	0.04
680	0.3	6.13	6.13	2.	0.	0.00	0.17	13.72	13.72	2.	0.	0.00	0.05
681	0.3	6.13	6.13	3.	0.	0.00	0.16	13.72	13.72	3.	0.	0.00	0.06
682	0.3	6.13	6.13	4.	0.	0.00	0.19	13.72	13.72	3.	0.	0.00	0.06
683	0.3	6.13	6.13	5.	0.	0.02	0.21	13.72	13.72	3.	0.	0.00	0.06
684	0.3	6.13	6.13	7.	0.	0.07	0.26	13.72	13.72	3.	0.	0.00	0.06
685	0.3	6.13	6.13	3.	1.	0.00	0.43	5.81	5.81	2.	0.	0.02	0.09
686	0.3	6.13	6.13	1.	1.	0.00	0.28	5.81	5.81	2.	0.	0.02	0.06
687	0.3	6.13	6.13	0.	1.	0.00	0.22	5.81	5.81	1.	0.	0.01	0.02
688	0.3	6.13	6.13	0.	1.	0.00	0.19	5.81	5.81	0.	0.	0.01	0.00
689	0.3	6.13	6.13	0.	0.	0.00	0.17	5.81	5.81	0.	0.	0.00	0.00
690	0.3	6.13	6.13	0.	0.	0.00	0.16	5.81	5.81	0.	0.	0.00	0.00
691	0.3	6.13	6.13	0.	0.	0.00	0.15	5.81	5.81	0.	0.	0.00	0.00
692	0.3	6.13	6.13	0.	0.	0.00	0.15	5.81	5.81	0.	0.	0.00	0.00
693	0.3	6.13	6.13	0.	0.	0.00	0.13	5.81	5.81	1.	0.	0.00	0.04
694	0.3	6.13	6.13	1.	0.	0.00	0.14	5.81	5.81	1.	0.	0.00	0.07
695	0.3	6.13	6.13	2.	0.	0.00	0.15	5.81	5.81	2.	0.	0.00	0.10
696	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81	2.	0.	0.00	0.11
697	0.3	6.13	6.13	4.	0.	0.00	0.18	5.81	5.81	3.	0.	0.00	0.12
698	0.3	6.13	6.13	6.	0.	0.04	0.22	5.81	5.81	3.	0.	0.00	0.13
699	0.3	6.13	6.13	9.	0.	0.09	0.28	5.81	5.81	3.	0.	0.00	0.13
700	0.3	6.13	6.13	2.	1.	0.00	0.29	5.81	5.81	1.	0.	0.00	0.03
701	0.3	6.13	6.13	0.	1.	0.00	0.22	5.81	5.81	0.	0.	0.00	0.02
702	0.3	6.13	6.13	0.	0.	0.00	0.19	5.81	5.81	0.	0.	0.00	0.00
703	0.3	6.13	6.13	0.	0.	0.00	0.17	5.81	5.81	0.	0.	0.00	0.00
704	0.3	6.13	6.13	0.	0.	0.00	0.16	5.81	5.81	0.	0.	0.00	0.00
705	0.3	6.13	6.13	0.	0.	0.00	0.15	5.81	5.81	0.	0.	0.00	0.00
706	0.3	6.13	6.13	0.	0.	0.00	0.14	5.81	5.81	0.	0.	0.00	0.00
707	0.3	6.13	6.13	0.	0.	0.00	0.14	5.81	5.81	0.	0.	0.00	0.00
708	0.3	6.13	6.13	0.	0.	0.00	0.12	5.81	5.81	1.	0.	0.00	0.03
709	0.3	6.13	6.13	0.	0.	0.00	0.11	5.81	5.81	1.	0.	0.00	0.06
710	0.3	6.13	6.13	1.	0.	0.00	0.13	5.81	5.81	2.	0.	0.00	0.09
711	0.3	6.13	6.13	2.	0.	0.00	0.13	5.81	5.81	2.	0.	0.00	0.10
712	0.3	6.13	6.13	4.	0.	0.01	0.17	5.81	5.81	3.	0.	0.01	0.11
713	0.3	6.13	6.13	7.	0.	0.06	0.22	5.81	5.81	3.	0.	0.01	0.12
714	0.3	6.13	6.13	10.	0.	0.10	0.31	5.81	5.81	3.	0.	0.02	0.12
715	0.3	6.13	6.13	1.	0.	0.00	0.20	5.81	5.81	0.	0.	0.00	0.01
716	0.3	6.13	6.13	0.	0.	0.00	0.18	5.81	5.81	0.	0.	0.00	0.01
717	0.3	6.13	6.13	0.	0.	0.00	0.17	5.81	5.81	0.	0.	0.00	0.01
718	0.3	6.13	6.13	0.	0.	0.00	0.15	5.81	5.81	0.	0.	0.00	0.00
719	0.3	6.13	6.13	0.	0.	0.00	0.14	5.81	5.81	0.	0.	0.00	0.00
720	0.3	6.13	6.13	0.	0.	0.00	0.14	5.81	5.81	0.	0.	0.00	0.00
721	0.3	6.13	6.13	0.	0.	0.00	0.14	5.81	5.81	0.	0.	0.00	0.00
722	0.3	6.13	6.13	0.	0.	0.00	0.13	5.81	5.81	0.	0.	0.00	0.00
723	0.3	6.13	6.13	0.	0.	0.00	0.12	5.81	5.81	1.	0.	0.00	0.03
724	0.3	6.13	6.13	0.	0.	0.00	0.10	5.81	5.81	2.	0.	0.01	0.07

725	0.3	6.13	6.13	1.	0.	0.00	0.11	5.81	5.81	2.	0.	0.01	0.09
726	0.3	6.13	6.13	2.	0.	0.00	0.13	5.81	5.81	3.	0.	0.01	0.10
727	0.3	6.13	6.13	4.	0.	0.02	0.17	5.81	5.81	3.	0.	0.02	0.11
728	0.3	6.13	6.13	7.	0.	0.06	0.22	5.81	5.81	3.	0.	0.02	0.12
729	0.3	6.13	6.13	10.	0.	0.11	0.32	5.81	5.81	3.	0.	0.02	0.12
730	0.3	6.13	6.13	1.	0.	0.00	0.15	5.81	5.81	0.	0.	0.00	0.02
731	0.3	6.13	6.13	0.	0.	0.00	0.15	5.81	5.81	0.	0.	0.00	0.01
732	0.3	6.13	6.13	0.	0.	0.00	0.16	5.81	5.81	0.	0.	0.00	0.01
733	0.3	6.13	6.13	0.	0.	0.00	0.15	5.81	5.81	0.	0.	0.00	0.00
734	0.3	6.13	6.13	0.	0.	0.00	0.14	5.81	5.81	0.	0.	0.00	0.00
735	0.3	6.13	6.13	0.	0.	0.00	0.13	5.81	5.81	0.	0.	0.00	0.00
736	0.3	6.13	6.13	0.	0.	0.00	0.13	5.81	5.81	0.	0.	0.00	0.01
737	0.3	6.13	6.13	0.	0.	0.00	0.13	5.81	5.81	1.	0.	0.01	0.02
738	0.3	6.13	6.13	0.	0.	0.00	0.12	5.81	5.81	1.	0.	0.01	0.04
739	0.3	6.13	6.13	0.	0.	0.00	0.10	5.81	5.81	2.	0.	0.02	0.08
740	0.3	6.13	6.13	1.	0.	0.00	0.10	5.81	5.81	3.	0.	0.03	0.09
741	0.3	6.13	6.13	2.	0.	0.00	0.12	5.81	5.81	3.	0.	0.03	0.09
742	0.3	6.13	6.13	4.	0.	0.02	0.17	5.81	5.81	3.	0.	0.03	0.09
743	0.3	6.13	6.13	7.	0.	0.07	0.23	5.81	5.81	3.	0.	0.03	0.09
744	0.3	6.13	6.13	11.	0.	0.11	0.33	5.81	5.81	3.	0.	0.03	0.09

GUSCI spess		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE					
		Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF
406	0.3	6.13	6.13	0.	0.	0.00	0.08	7.91	7.91	0.	0.	0.00	0.04
407	0.3	6.13	6.13	1.	0.	0.00	0.11	7.91	7.91	0.	0.	0.00	0.03
408	0.3	6.13	6.13	1.	0.	0.00	0.13	7.91	7.91	0.	0.	0.00	0.03
409	0.3	6.13	6.13	1.	0.	0.00	0.12	7.91	7.91	0.	0.	0.00	0.02
410	0.3	6.13	6.13	0.	0.	0.00	0.12	7.91	7.91	0.	0.	0.00	0.03
411	0.3	6.13	6.13	0.	0.	0.00	0.14	7.91	7.91	0.	0.	0.00	0.06
412	0.3	6.13	6.13	0.	0.	0.00	0.17	7.91	7.91	0.	0.	0.00	0.09
413	0.3	6.13	6.13	0.	1.	0.00	0.25	7.91	7.91	0.	0.	0.00	0.09
414	0.3	6.13	6.13	0.	1.	0.00	0.48	7.91	7.91	0.	0.	0.00	0.07
415	0.3	6.13	6.13	0.	0.	0.00	0.06	13.72	13.72	1.	0.	0.00	0.03
416	0.3	6.13	6.13	1.	0.	0.00	0.10	13.72	13.72	0.	0.	0.00	0.02
417	0.3	6.13	6.13	1.	0.	0.00	0.13	13.72	13.72	0.	0.	0.00	0.02
418	0.3	6.13	6.13	1.	0.	0.00	0.14	13.72	13.72	0.	0.	0.00	0.01
419	0.3	6.13	6.13	1.	0.	0.00	0.13	13.72	13.72	0.	0.	0.00	0.00
420	0.3	6.13	6.13	1.	0.	0.00	0.14	13.72	13.72	0.	0.	0.00	0.01
421	0.3	6.13	6.13	1.	0.	0.00	0.17	13.72	13.72	0.	0.	0.00	0.02
422	0.3	6.13	6.13	0.	1.	0.00	0.22	13.72	13.72	0.	0.	0.00	0.02
423	0.3	6.13	6.13	0.	1.	0.00	0.39	13.72	13.72	0.	0.	0.00	0.02
424	0.3	6.13	6.13	0.	0.	0.00	0.05	5.81	5.81	1.	0.	0.00	0.08
425	0.3	6.13	6.13	1.	0.	0.00	0.09	5.81	5.81	1.	0.	0.00	0.08
426	0.3	6.13	6.13	2.	0.	0.00	0.12	5.81	5.81	1.	0.	0.00	0.07
427	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81	1.	0.	0.01	0.06
428	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81	1.	0.	0.01	0.04
429	0.3	6.13	6.13	1.	0.	0.00	0.15	5.81	5.81	1.	0.	0.01	0.04
430	0.3	6.13	6.13	1.	0.	0.00	0.17	5.81	5.81	0.	0.	0.00	0.04
431	0.3	6.13	6.13	0.	0.	0.00	0.20	5.81	5.81	0.	0.	0.00	0.04
432	0.3	6.13	6.13	0.	1.	0.00	0.33	5.81	5.81	0.	0.	0.00	0.03
433	0.3	6.13	6.13	0.	0.	0.00	0.02	5.81	5.81	1.	0.	0.00	0.07
434	0.3	6.13	6.13	1.	0.	0.00	0.08	5.81	5.81	2.	0.	0.00	0.07
435	0.3	6.13	6.13	2.	0.	0.00	0.12	5.81	5.81	2.	0.	0.01	0.07
436	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81	2.	0.	0.02	0.07
437	0.3	6.13	6.13	2.	0.	0.00	0.15	5.81	5.81	2.	0.	0.02	0.07
438	0.3	6.13	6.13	2.	0.	0.00	0.15	5.81	5.81	2.	0.	0.02	0.07
439	0.3	6.13	6.13	2.	0.	0.00	0.17	5.81	5.81	2.	0.	0.02	0.06
440	0.3	6.13	6.13	2.	0.	0.00	0.19	5.81	5.81	2.	0.	0.02	0.06
441	0.3	6.13	6.13	0.	0.	0.00	0.20	5.81	5.81	1.	0.	0.01	0.06
442	0.3	6.13	6.13	0.	0.	0.00	0.01	5.81	5.81	1.	0.	0.01	0.06
443	0.3	6.13	6.13	1.	0.	0.00	0.06	5.81	5.81	1.	0.	0.01	0.06
444	0.3	6.13	6.13	2.	0.	0.00	0.11	5.81	5.81	2.	0.	0.02	0.06
445	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81	2.	0.	0.02	0.07
446	0.3	6.13	6.13	2.	0.	0.00	0.15	5.81	5.81	2.	0.	0.02	0.07
447	0.3	6.13	6.13	2.	0.	0.00	0.15	5.81	5.81	2.	0.	0.02	0.07
448	0.3	6.13	6.13	2.	0.	0.00	0.15	5.81	5.81	2.	0.	0.02	0.07
449	0.3	6.13	6.13	2.	0.	0.00	0.16	5.81	5.81	2.	0.	0.02	0.06
450	0.3	6.13	6.13	1.	0.	0.00	0.16	5.81	5.81	2.	0.	0.02	0.05
451	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	1.	0.	0.01	0.05
452	0.3	6.13	6.13	0.	0.	0.00	0.05	5.81	5.81	1.	0.	0.02	0.05
453	0.3	6.13	6.13	2.	0.	0.00	0.10	5.81	5.81	1.	0.	0.02	0.05
454	0.3	6.13	6.13	2.	0.	0.00	0.13	5.81	5.81	2.	0.	0.02	0.06
455	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81	2.	0.	0.02	0.06
456	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81	2.	0.	0.02	0.06
457	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81	2.	0.	0.02	0.06
458	0.3	6.13	6.13	2.	0.	0.00	0.14	5.81	5.81	2.	0.	0.02	0.05
459	0.3	6.13	6.13	1.	0.	0.00	0.14	5.81	5.81	1.	0.	0.01	0.04
625	0.3	6.13	6.13	0.	2.	0.00	0.65	7.91	7.91	0.	1.	0.00	0.16
626	0.3	6.13	6.13	0.	1.	0.00	0.50	7.91	7.91	0.	0.	0.00	0.14
627	0.3	6.13	6.13	0.	1.	0.00	0.40	7.91	7.91	0.	0.	0.00	0.12
628	0.3	6.13	6.13	0.	1.	0.00	0.31	7.91	7.91	0.	0.	0.00	0.08
629	0.3	6.13	6.13	0.	1.	0.00	0.25	7.91	7.91	0.	0.	0.00	0.06
630	0.3	6.13	6.13	0.	1.	0.00	0.20	7.91	7.91	0.	0.	0.00	0.04
631	0.3	6.13	6.13	0.	0.	0.00	0.17	7.91	7.91	0.	0.	0.00	0.03

632	0.3	6.13	6.13	0.	0.	0.00	0.16	7.91	7.91	0.	0.	0.00	0.03
633	0.3	6.13	6.13	0.	0.	0.00	0.15	7.91	7.91	0.	0.	0.00	0.03
634	0.3	6.13	6.13	1.	0.	0.00	0.16	7.91	7.91	0.	0.	0.00	0.03
635	0.3	6.13	6.13	1.	0.	0.00	0.18	7.91	7.91	0.	0.	0.00	0.04
636	0.3	6.13	6.13	2.	0.	0.00	0.20	7.91	7.91	0.	0.	0.00	0.05
637	0.3	6.13	6.13	3.	0.	0.00	0.19	7.91	7.91	0.	0.	0.00	0.05
638	0.3	6.13	6.13	2.	0.	0.00	0.15	7.91	7.91	0.	0.	0.00	0.06
639	0.3	6.13	6.13	1.	0.	0.00	0.07	7.91	7.91	0.	0.	0.00	0.06
640	0.3	6.13	6.13	0.	1.	0.00	0.55	7.91	7.91	0.	0.	0.00	0.13
641	0.3	6.13	6.13	0.	1.	0.00	0.45	7.91	7.91	0.	0.	0.00	0.10
642	0.3	6.13	6.13	1.	1.	0.00	0.37	7.91	7.91	0.	0.	0.00	0.08
643	0.3	6.13	6.13	1.	1.	0.00	0.30	7.91	7.91	0.	0.	0.00	0.03
644	0.3	6.13	6.13	1.	1.	0.00	0.25	7.91	7.91	0.	0.	0.00	0.02
645	0.3	6.13	6.13	0.	1.	0.00	0.22	7.91	7.91	0.	0.	0.00	0.02
646	0.3	6.13	6.13	1.	0.	0.00	0.19	7.91	7.91	0.	0.	0.00	0.02
647	0.3	6.13	6.13	1.	0.	0.00	0.18	7.91	7.91	0.	0.	0.00	0.02
648	0.3	6.13	6.13	1.	0.	0.00	0.19	7.91	7.91	0.	0.	0.00	0.03
649	0.3	6.13	6.13	2.	0.	0.00	0.20	7.91	7.91	0.	0.	0.00	0.03
650	0.3	6.13	6.13	3.	0.	0.00	0.22	7.91	7.91	0.	0.	0.00	0.05
651	0.3	6.13	6.13	3.	0.	0.00	0.21	7.91	7.91	0.	0.	0.00	0.08
652	0.3	6.13	6.13	3.	0.	0.00	0.19	7.91	7.91	1.	0.	0.00	0.09
653	0.3	6.13	6.13	2.	0.	0.00	0.14	7.91	7.91	1.	0.	0.00	0.11
654	0.3	6.13	6.13	0.	0.	0.00	0.05	7.91	7.91	2.	0.	0.00	0.11
655	0.3	6.13	6.13	0.	1.	0.00	0.47	7.91	7.91	0.	0.	0.00	0.02
656	0.3	6.13	6.13	0.	1.	0.00	0.39	7.91	7.91	0.	0.	0.01	-0.01
657	0.3	6.13	6.13	1.	1.	0.00	0.33	7.91	7.91	0.	0.	0.01	-0.01
658	0.3	6.13	6.13	1.	1.	0.00	0.28	7.91	7.91	0.	0.	0.00	0.00
659	0.3	6.13	6.13	1.	1.	0.00	0.24	7.91	7.91	0.	0.	0.00	0.00
660	0.3	6.13	6.13	1.	0.	0.00	0.22	7.91	7.91	0.	0.	0.00	0.00
661	0.3	6.13	6.13	1.	0.	0.00	0.22	7.91	7.91	0.	0.	0.00	0.00
662	0.3	6.13	6.13	1.	0.	0.00	0.23	7.91	7.91	0.	0.	0.00	0.03
663	0.3	6.13	6.13	2.	0.	0.00	0.24	7.91	7.91	1.	0.	0.00	0.06
664	0.3	6.13	6.13	3.	0.	0.00	0.24	7.91	7.91	2.	0.	0.00	0.09
665	0.3	6.13	6.13	4.	0.	0.00	0.23	7.91	7.91	2.	0.	0.00	0.12
666	0.3	6.13	6.13	4.	0.	0.00	0.21	7.91	7.91	3.	0.	0.00	0.13
667	0.3	6.13	6.13	3.	0.	0.00	0.18	7.91	7.91	3.	0.	0.00	0.13
668	0.3	6.13	6.13	2.	0.	0.00	0.12	7.91	7.91	3.	0.	0.00	0.13
669	0.3	6.13	6.13	0.	0.	0.00	0.04	7.91	7.91	3.	0.	0.00	0.12
670	0.3	6.13	6.13	0.	1.	0.00	0.42	13.72	13.72	0.	0.	0.00	0.01
671	0.3	6.13	6.13	1.	1.	0.00	0.34	13.72	13.72	0.	0.	0.00	0.00
672	0.3	6.13	6.13	1.	1.	0.00	0.31	13.72	13.72	0.	0.	0.01	-0.01
673	0.3	6.13	6.13	2.	1.	0.00	0.27	13.72	13.72	0.	0.	0.01	-0.01
674	0.3	6.13	6.13	2.	0.	0.00	0.25	13.72	13.72	0.	0.	0.00	0.00
675	0.3	6.13	6.13	2.	0.	0.00	0.26	13.72	13.72	0.	0.	0.01	0.01
676	0.3	6.13	6.13	3.	0.	0.00	0.27	13.72	13.72	1.	0.	0.01	0.03
677	0.3	6.13	6.13	3.	0.	0.00	0.28	13.72	13.72	2.	0.	0.02	0.04
678	0.3	6.13	6.13	4.	0.	0.00	0.27	13.72	13.72	3.	0.	0.02	0.06
679	0.3	6.13	6.13	4.	0.	0.00	0.27	13.72	13.72	4.	0.	0.02	0.07
680	0.3	6.13	6.13	4.	0.	0.00	0.25	13.72	13.72	4.	0.	0.01	0.08
681	0.3	6.13	6.13	4.	0.	0.00	0.22	13.72	13.72	4.	0.	0.01	0.08
682	0.3	6.13	6.13	3.	0.	0.00	0.18	13.72	13.72	4.	0.	0.01	0.08
683	0.3	6.13	6.13	1.	0.	0.00	0.09	13.72	13.72	3.	0.	0.00	0.07
684	0.3	6.13	6.13	0.	0.	0.00	0.02	13.72	13.72	3.	0.	0.00	0.06
685	0.3	6.13	6.13	0.	1.	0.00	0.32	5.81	5.81	0.	0.	0.00	0.02
686	0.3	6.13	6.13	0.	1.	0.00	0.29	5.81	5.81	0.	0.	0.00	0.01
687	0.3	6.13	6.13	2.	1.	0.00	0.28	5.81	5.81	0.	0.	0.00	0.00
688	0.3	6.13	6.13	2.	0.	0.00	0.27	5.81	5.81	0.	0.	0.01	0.01
689	0.3	6.13	6.13	3.	0.	0.00	0.26	5.81	5.81	1.	0.	0.02	0.04
690	0.3	6.13	6.13	3.	0.	0.00	0.27	5.81	5.81	2.	0.	0.03	0.07
691	0.3	6.13	6.13	4.	0.	0.00	0.29	5.81	5.81	3.	0.	0.04	0.11
692	0.3	6.13	6.13	4.	0.	0.00	0.30	5.81	5.81	4.	0.	0.04	0.13
693	0.3	6.13	6.13	5.	0.	0.00	0.29	5.81	5.81	4.	0.	0.04	0.16
694	0.3	6.13	6.13	5.	0.	0.00	0.28	5.81	5.81	4.	0.	0.03	0.18
695	0.3	6.13	6.13	5.	0.	0.00	0.25	5.81	5.81	5.	0.	0.02	0.18
696	0.3	6.13	6.13	4.	0.	0.00	0.21	5.81	5.81	4.	0.	0.01	0.18
697	0.3	6.13	6.13	3.	0.	0.00	0.15	5.81	5.81	4.	0.	0.01	0.16
698	0.3	6.13	6.13	1.	0.	0.00	0.06	5.81	5.81	3.	0.	0.00	0.14
699	0.3	6.13	6.13	0.	0.	0.00	0.01	5.81	5.81	3.	0.	0.00	0.12
700	0.3	6.13	6.13	0.	1.	0.00	0.23	5.81	5.81	1.	0.	0.00	0.05
701	0.3	6.13	6.13	1.	1.	0.00	0.24	5.81	5.81	1.	0.	0.00	0.04
702	0.3	6.13	6.13	2.	0.	0.00	0.25	5.81	5.81	1.	0.	0.01	0.03
703	0.3	6.13	6.13	3.	0.	0.00	0.26	5.81	5.81	1.	0.	0.02	0.05
704	0.3	6.13	6.13	3.	0.	0.00	0.27	5.81	5.81	2.	0.	0.03	0.07
705	0.3	6.13	6.13	4.	0.	0.00	0.28	5.81	5.81	3.	0.	0.03	0.09
706	0.3	6.13	6.13	5.	0.	0.00	0.30	5.81	5.81	3.	0.	0.04	0.11
707	0.3	6.13	6.13	5.	0.	0.00	0.31	5.81	5.81	4.	0.	0.04	0.13
708	0.3	6.13	6.13	5.	0.	0.00	0.30	5.81	5.81	4.	0.	0.04	0.15
709	0.3	6.13	6.13	6.	0.	0.00	0.28	5.81	5.81	4.	0.	0.03	0.16
710	0.3	6.13	6.13	5.	0.	0.00	0.25	5.81	5.81	4.	0.	0.02	0.16
711	0.3	6.13	6.13	4.	0.	0.00	0.20	5.81	5.81	4.	0.	0.02	0.15
712	0.3	6.13	6.13	3.	0.	0.00	0.13	5.81	5.81	3.	0.	0.01	0.13
713	0.3	6.13	6.13	0.	0.	0.00	0.02	5.81	5.81	3.	0.	0.01	0.11
714	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	2.	0.	0.00	0.08
715	0.3	6.13	6.13	0.	0.	0.00	0.17	5.81	5.81	1.	0.	0.01	0.05

716	0.3	6.13	6.13	1.	0.	0.00	0.21	5.81	5.81	1.	0.	0.00	0.04
717	0.3	6.13	6.13	2.	0.	0.00	0.24	5.81	5.81	1.	0.	0.01	0.04
718	0.3	6.13	6.13	3.	0.	0.00	0.26	5.81	5.81	1.	0.	0.02	0.05
719	0.3	6.13	6.13	4.	0.	0.00	0.27	5.81	5.81	2.	0.	0.02	0.07
720	0.3	6.13	6.13	4.	0.	0.00	0.29	5.81	5.81	2.	0.	0.03	0.08
721	0.3	6.13	6.13	5.	0.	0.00	0.30	5.81	5.81	3.	0.	0.03	0.10
722	0.3	6.13	6.13	5.	0.	0.00	0.32	5.81	5.81	3.	0.	0.03	0.11
723	0.3	6.13	6.13	6.	0.	0.00	0.31	5.81	5.81	3.	0.	0.03	0.12
724	0.3	6.13	6.13	6.	0.	0.00	0.28	5.81	5.81	3.	0.	0.03	0.13
725	0.3	6.13	6.13	5.	0.	0.00	0.25	5.81	5.81	3.	0.	0.02	0.13
726	0.3	6.13	6.13	4.	0.	0.00	0.19	5.81	5.81	3.	0.	0.02	0.12
727	0.3	6.13	6.13	3.	0.	0.00	0.11	5.81	5.81	3.	0.	0.01	0.10
728	0.3	6.13	6.13	0.	0.	0.00	0.01	5.81	5.81	2.	0.	0.01	0.09
729	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	1.	0.	0.00	0.04
730	0.3	6.13	6.13	1.	0.	0.00	0.15	5.81	5.81	1.	0.	0.01	0.03
731	0.3	6.13	6.13	1.	0.	0.00	0.19	5.81	5.81	1.	0.	0.00	0.03
732	0.3	6.13	6.13	2.	0.	0.00	0.23	5.81	5.81	0.	0.	0.00	0.03
733	0.3	6.13	6.13	3.	0.	0.00	0.26	5.81	5.81	1.	0.	0.01	0.04
734	0.3	6.13	6.13	4.	0.	0.00	0.28	5.81	5.81	1.	0.	0.02	0.05
735	0.3	6.13	6.13	5.	0.	0.00	0.30	5.81	5.81	2.	0.	0.02	0.06
736	0.3	6.13	6.13	5.	0.	0.00	0.31	5.81	5.81	2.	0.	0.02	0.07
737	0.3	6.13	6.13	6.	0.	0.00	0.32	5.81	5.81	2.	0.	0.03	0.08
738	0.3	6.13	6.13	6.	0.	0.00	0.31	5.81	5.81	3.	0.	0.03	0.09
739	0.3	6.13	6.13	6.	0.	0.00	0.28	5.81	5.81	3.	0.	0.03	0.10
740	0.3	6.13	6.13	5.	0.	0.00	0.24	5.81	5.81	3.	0.	0.03	0.10
741	0.3	6.13	6.13	4.	0.	0.00	0.18	5.81	5.81	3.	0.	0.03	0.09
742	0.3	6.13	6.13	2.	0.	0.00	0.10	5.81	5.81	2.	0.	0.03	0.08
743	0.3	6.13	6.13	0.	0.	0.00	0.01	5.81	5.81	2.	0.	0.02	0.06
744	0.3	6.13	6.13	0.	0.	0.00	0.00	5.81	5.81	1.	0.	0.01	0.03

***** TAGLIO PERPENDICOLARE

GUSCI	tauX	tauY	tauT	GUSCI	tauX	tauY	tauT	GUSCI	tauX	tauY	tauT
406	9.6	16.0	12.9	407	13.6	29.1	24.2	408	10.3	40.0	36.0
409	7.6	46.7	43.9	410	3.6	49.1	48.0	411	1.0	49.7	46.8
412	11.4	45.3	38.9	413	53.3	34.6	37.2	414	109.9	114.7	126.7
415	8.3	3.1	5.6	416	4.0	10.3	7.9	417	6.4	18.5	16.8
418	6.7	22.7	22.0	419	5.9	24.0	24.0	420	6.1	23.8	24.2
421	9.1	25.6	24.5	422	19.0	37.9	32.7	423	107.5	109.3	108.2
424	17.5	4.5	14.7	425	7.0	2.5	5.6	426	2.2	7.0	5.8
427	1.9	11.1	9.9	428	3.3	13.7	12.8	429	5.0	15.8	15.0
430	7.0	19.1	17.7	431	14.0	25.1	25.0	432	20.1	35.5	36.0
433	22.2	5.0	20.9	434	11.6	5.2	11.2	435	6.5	1.1	5.6
436	2.2	3.4	3.2	437	0.8	5.6	4.7	438	2.5	7.4	6.7
439	4.3	9.3	8.9	440	7.0	12.4	12.3	441	5.1	17.3	15.9
442	26.4	7.1	25.4	443	14.0	4.7	13.9	444	8.7	2.7	8.3
445	4.1	1.0	3.8	446	1.1	0.5	1.0	447	1.0	1.4	1.3
448	2.1	2.5	2.6	449	2.6	3.9	3.7	450	3.2	5.4	5.1
451	25.7	15.9	26.3	452	14.1	2.2	13.3	453	8.3	1.9	8.3
454	4.3	1.3	4.3	455	2.1	1.1	1.7	456	2.1	0.3	2.0
457	2.4	0.3	2.2	458	1.5	1.3	1.4	459	3.0	0.8	2.8
625	64.2	80.1	87.8	626	21.7	66.8	66.8	627	21.4	71.6	68.3
628	9.3	84.2	79.3	629	2.6	92.9	89.2	630	2.2	97.4	95.4
631	3.9	98.7	97.6	632	3.4	98.9	97.9	633	4.4	95.9	93.2
634	6.1	89.9	85.5	635	9.3	80.2	74.7	636	13.1	67.2	61.2
637	16.4	51.3	45.1	638	20.2	30.3	24.7	639	10.5	33.8	21.6
640	63.4	37.3	44.7	641	15.6	28.9	24.6	642	8.7	41.6	36.5
643	7.1	49.6	46.0	644	4.5	53.3	51.1	645	1.9	55.9	54.4
646	2.2	55.1	54.8	647	4.6	55.0	53.8	648	7.6	52.6	51.4
649	9.6	49.2	48.0	650	10.5	44.7	42.9	651	9.9	37.5	34.6
652	7.2	26.4	22.3	653	6.2	9.9	7.5	654	24.8	7.3	18.1
655	124.1	109.4	118.0	656	25.3	26.0	26.1	657	9.8	24.8	20.0
658	4.5	32.0	28.6	659	2.3	34.1	32.7	660	1.1	35.4	34.6
661	1.8	34.8	33.9	662	4.4	34.9	34.1	663	4.4	33.9	33.3
664	3.6	31.5	30.0	665	2.2	26.9	24.7	666	3.5	20.0	17.7
667	10.2	10.8	11.5	668	19.4	6.2	16.8	669	41.6	8.0	36.2
670	127.8	113.4	122.7	671	39.6	37.3	44.0	672	21.2	21.5	25.1
673	10.0	19.9	19.9	674	5.8	20.5	20.5	675	4.0	20.4	20.0
676	3.3	20.2	20.3	677	2.5	20.5	20.2	678	0.7	19.2	18.4
679	2.4	16.6	15.6	680	5.8	12.6	12.3	681	10.9	7.4	11.2
682	18.3	1.6	16.2	683	27.1	8.6	25.8	684	48.7	7.7	46.5
685	32.7	35.7	43.6	686	24.3	19.9	27.6	687	15.5	16.4	19.0
688	10.3	11.6	13.3	689	6.3	10.0	10.4	690	3.9	8.6	8.9
691	2.8	9.5	9.3	692	0.6	9.1	8.6	693	2.7	7.7	7.6
694	5.7	5.7	7.2	695	9.9	2.9	9.1	696	15.7	1.4	14.2
697	22.9	5.7	22.0	698	31.2	9.9	30.8	699	50.1	7.4	50.0
700	15.0	19.2	20.5	701	13.3	10.1	14.2	702	11.5	5.8	11.8
703	8.5	4.1	8.3	704	6.2	2.7	5.9	705	4.0	2.1	4.1
706	1.9	2.2	2.3	707	1.4	1.7	1.6	708	4.1	0.8	3.7
709	7.6	1.4	7.0	710	12.2	3.0	11.6	711	18.3	4.9	17.7
712	25.2	7.5	25.0	713	33.2	9.4	33.3	714	50.6	7.5	50.6
715	8.6	4.5	8.8	716	11.2	2.3	9.6	717	9.5	0.9	9.2
718	7.6	2.4	7.5	719	5.6	2.9	5.7	720	2.0	4.2	4.3
721	1.2	3.0	3.0	722	1.7	3.3	3.4	723	4.6	3.6	5.4

724	8.4	4.2	8.7	725	13.1	5.0	13.0	726	19.4	5.8	19.0
727	25.9	6.8	25.6	728	34.0	6.6	33.9	729	53.4	10.3	52.9
730	7.1	1.1	6.4	731	8.1	2.9	7.6	732	8.7	3.9	8.5
733	7.3	4.2	7.9	734	5.6	4.5	6.8	735	3.7	4.6	5.6
736	1.7	4.4	4.6	737	0.8	4.5	4.2	738	3.7	4.3	4.9
739	7.5	4.1	7.6	740	12.2	3.7	12.0	741	18.4	3.5	18.3
742	24.5	2.6	23.8	743	34.0	4.5	32.3	744	47.2	29.5	49.7

ALLEGATO 2 - STATO LIMITE DI ESERCIZIO

MACROGUSCIO Platea_Alta

VERIFICHE A FESSURAZIONE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:
lunghezze : [m] - forze : [kN]
momenti : [kNm/m] - tensioni : [kPa]
pesi specifici: [kN/m3] - angoli : [gradi]
armature : [cm2]

CASI DI CARICO:

Nome Descrizione
10 Rara (RARA)
11 Frequente (FREQUENTE)
12 Quasi Perm (QUASI PERMANENTE)

DATI:

copriferro inferiore (asse armatura): 0.03 m
copriferro superiore (asse armatura): 0.03 m

Af = area effettiva disposta nello strato indicato (cm2 al metro)
wkR = apertura caratteristica per combinazione rara (mm) - apertura max = 0.6 mm
wkF = '' '' '' '' frequente (mm) - '' '' '' = 0.4 mm
wkP = '' '' '' '' quasi permanente (mm) - '' '' '' = 0.3 mm

ARMATURA INFERIORE ORIZZONTALE

GUSCI	Af	Afc	COMBINAZIONE RARA				COMBINAZIONE FREQUENTE				COMBINAZIONE QUASI PERMANENTE							
			Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP	
1	7.89	7.89	0.00	0.00	0.00	0.0000	0.66	0.00	42.08	2422.0002	0.92	0.00	58.74	3382.0002	0.92	0.00	58.74	3382.0002
2	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
3	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
4	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
5	7.89	7.89	0.94	0.00	60.25	3468.0002	0.24	0.00	15.11	870.0001	0.00	0.00	0.04	3.0000	0.00	0.00	0.04	3.0000
6	7.89	7.89	1.92	0.00	122.81	7069.0005	1.22	0.00	78.21	4502.0003	0.99	0.00	63.34	3646.0002	0.99	0.00	63.34	3646.0002
7	7.89	7.89	2.88	0.00	184.41	10615.0007	2.28	0.00	146.16	8413.0006	2.08	0.00	133.41	7679.0005	2.08	0.00	133.41	7679.0005
8	7.89	7.89	4.35	0.00	278.21	16015.0011	3.90	0.00	249.40	14357.0010	3.75	0.00	239.79	13804.0009	3.75	0.00	239.79	13804.0009
9	7.89	7.89	7.34	1.27	0.00#####	0.117	6.91	1.02	0.0090	124.0096	6.77	0.93	0.0084	186.0088	6.77	0.93	0.0084	186.0088
10	7.89	7.89	0.04	0.00	2.77	159.0000	0.79	0.00	50.29	2895.0002	1.03	0.00	66.12	3806.0003	1.03	0.00	66.12	3806.0003
11	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
12	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
13	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
14	7.89	7.89	0.26	0.00	16.75	964.0001	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
15	7.89	7.89	1.36	0.00	87.15	5016.0003	0.71	0.00	45.49	2618.0002	0.49	0.00	31.59	1818.0001	0.49	0.00	31.59	1818.0001
16	7.89	7.89	2.56	0.00	164.11	9447.0006	1.99	0.00	127.12	7318.0005	1.79	0.00	114.79	6608.0004	1.79	0.00	114.79	6608.0004
17	7.89	7.89	4.29	0.00	274.60	15807.0011	3.84	0.00	246.12	14168.0010	3.70	0.00	236.61	13620.0009	3.70	0.00	236.61	13620.0009
18	7.89	7.89	6.94	1.18	0.00#####	0.109	6.74	0.93	0.0084	195.0088	6.70	0.85	0.0078	861.0082	6.70	0.85	0.0078	861.0082
19	7.89	7.89	0.05	0.00	3.01	173.0000	0.75	0.00	48.17	2773.0002	0.99	0.00	63.21	3639.0002	0.99	0.00	63.21	3639.0002
20	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
21	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
22	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
23	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
24	7.89	7.89	0.89	0.00	57.23	3294.0002	0.28	0.00	18.22	1049.0001	0.08	0.00	5.20	300.0000	0.08	0.00	5.20	300.0000
25	7.89	7.89	2.26	0.00	144.88	8340.0006	1.71	0.00	109.33	6293.0004	1.52	0.00	97.47	5611.0004	1.52	0.00	97.47	5611.0004
26	7.89	7.89	4.19	0.00	268.11	15434.0010	3.75	0.00	240.15	13824.0009	3.61	0.00	230.83	13287.0009	3.61	0.00	230.83	13287.0009
27	7.89	7.89	6.92	1.11	0.0096	0057.0103	6.80	0.87	0.0080	0639.0084	6.76	0.79	0.0075	5495.0077	6.76	0.79	0.0075	5495.0077
28	7.89	7.89	0.00	0.00	0.00	0.0000	0.66	0.00	42.47	2445.0002	0.89	0.00	56.90	3275.0002	0.89	0.00	56.90	3275.0002
29	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
30	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
31	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
32	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
33	7.89	7.89	0.41	0.00	26.08	1501.0001	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
34	7.89	7.89	1.94	0.00	124.18	7148.0005	1.41	0.00	90.43	5205.0004	1.24	0.00	79.18	4558.0003	1.24	0.00	79.18	4558.0003
35	7.89	7.89	4.06	0.00	259.89	14960.0010	3.64	0.00	232.79	13400.0009	3.50	0.00	223.74	12879.0009	3.50	0.00	223.74	12879.0009
36	7.89	7.89	7.05	1.01	0.0090	1956.0095	6.89	0.79	0.0075	5550.0077	6.83	0.71	0.0070	9667.0071	6.83	0.71	0.0070	9667.0071
37	7.89	7.89	0.04	0.00	2.48	143.0000	0.67	0.00	42.71	2458.0002	0.88	0.00	56.10	3229.0002	0.88	0.00	56.10	3229.0002
38	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
39	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
40	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
41	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
42	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
43	7.89	7.89	1.38	0.00	88.52	5095.0003	0.91	0.00	58.05	3341.0002	0.75	0.00	47.88	2756.0002	0.75	0.00	47.88	2756.0002
44	7.89	7.89	3.87	0.00	247.88	14269.0010	3.47	0.00	222.27	12795.0009	3.34	0.00	213.72	12303.0008	3.34	0.00	213.72	12303.0008
45	7.89	7.89	7.21	0.87	0.0081	890.0084	7.01	0.66	0.0067	966.0067	6.94	0.59	0.0063	3324.0062	6.94	0.59	0.0063	3324.0062
46	7.89	7.89	0.16	0.00	10.45	602.0000	0.64	0.00	40.73	2345.0002	0.82	0.00	52.27	3009.0002	0.82	0.00	52.27	3009.0002
47	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
48	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
49	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
50	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
51	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000

52	7.89	7.89	0.92	0.00	58.98	3395.0002	0.34	0.00	22.03	1268.0001	0.15	0.00	9.32	537.0000	0.15	0.00	9.32	537.0000
53	7.89	7.89	3.67	0.00	234.65	13508.0009	3.28	0.00	210.04	12091.0008	3.15	0.00	201.82	11617.0008	3.15	0.00	201.82	11617.0008
54	7.89	7.89	7.22	0.82	0.0078	634.0080	7.00	0.62	0.0065	522.0064	6.92	0.56	0.0061	1151.0059	6.92	0.56	0.0061	1151.0059
55	7.89	7.89	0.83	0.00	52.87	3043.0002	1.06	0.00	67.93	3910.0003	1.14	0.00	72.93	4198.0003	1.14	0.00	72.93	4198.0003
56	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
57	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
58	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
59	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
60	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
61	7.89	7.89	0.31	0.00	19.67	1132.0001	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
62	7.89	7.89	3.41	0.00	218.34	12568.0008	2.89	0.00	184.73	10634.0007	2.76	0.00	176.49	10160.0007	2.76	0.00	176.49	10160.0007
63	7.89	7.89	7.23	0.78	0.0076	208.0077	6.97	0.60	0.0063	987.0062	6.86	0.54	0.0059	837.0054	6.86	0.54	0.0059	837.0054
64	7.89	7.89	1.43	0.00	91.24	5252.0004	1.59	0.00	101.75	5857.0004	1.64	0.00	105.24	6058.0004	1.64	0.00	105.24	6058.0004
65	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
66	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
67	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
68	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
69	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
70	7.89	7.89	0.05	0.00	3.48	200.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
71	7.89	7.89	3.07	0.00	196.23	11296.0008	2.73	0.00	174.94	10070.0007	2.64	0.00	169.23	9742.0007	2.64	0.00	169.23	9742.0007
72	7.89	7.89	7.26	0.75	0.0074	536.0075	6.96	0.58	0.0062	2892.0061	6.80	0.53	0.0058	2822.0056	6.80	0.53	0.0058	2822.0056
73	7.89	7.89	1.85	0.00	118.29	6809.0005	1.95	0.00	125.03	7197.0005	1.99	0.00	127.27	7326.0005	1.99	0.00	127.27	7326.0005
74	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
75	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
76	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
77	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
78	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
79	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
80	7.89	7.89	2.93	0.00	187.26	10779.0007	2.66	0.00	170.35	9806.0007	2.60	0.00	166.65	9593.0006	2.60	0.00	166.65	9593.0006
81	7.89	7.89	7.31	0.77	0.0075	961.0076	6.99	0.61	0.0064	4424.0063	6.89	0.55	0.0060	575.0058	6.89	0.55	0.0060	575.0058
82	7.89	7.89	2.05	0.00	130.97	7539.0005	2.12	0.00	135.86	7821.0005	2.15	0.00	137.48	7914.0005	2.15	0.00	137.48	7914.0005
83	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
84	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
85	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
86	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
87	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
88	7.89	7.89	0.26	0.00	16.76	965.0001	0.23	0.00	14.41	829.0001	0.21	0.00	13.62	784.0001	0.21	0.00	13.62	784.0001
89	7.89	7.89	2.75	0.00	176.33	10150.0007	2.72	0.00	174.01	100017.0007	2.71	0.00	173.23	9972.0007	2.71	0.00	173.23	9972.0007
90	7.89	7.89	7.14	0.92	0.0085	1142.0089	6.86	0.75	0.0073	2087.0074	6.81	0.70	0.0069	4401.0070	6.81	0.70	0.0069	4401.0070
91	7.89	7.89	2.19	0.00	140.13	8066.0005	2.27	0.00	145.33	8366.0006	2.30	0.00	147.06	8465.0006	2.30	0.00	147.06	8465.0006
92	7.89	7.89	0.10	0.00	6.38	367.0000	0.17	0.00	10.84	624.0000	0.19	0.00	12.33	710.0000	0.19	0.00	12.33	710.0000
93	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
94	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
95	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
96	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
97	7.89	7.89	0.45	0.00	28.99	1669.0001	0.43	0.00	27.54	1585.0001	0.42	0.00	27.04	1556.0001	0.42	0.00	27.04	1556.0001
98	7.89	7.89	2.81	0.00	179.80	10350.0007	2.78	0.00	177.82	10236.0007	2.77	0.00	177.15	10198.0007	2.77	0.00	177.15	10198.0007
99	7.89	7.89	7.07	1.00	0.0089	681.0094	6.93	0.83	0.0078	18105.0080	6.89	0.77	0.0074	2058.0075	6.89	0.77	0.0074	2058.0075
100	7.89	7.89	2.32	0.00	148.40	8542.0006	2.40	0.00	153.33	8826.0006	2.42	0.00	154.97	8920.0006	2.42	0.00	154.97	8920.0006
101	7.89	7.89	0.34	0.00	21.57	1242.0001	0.42	0.00	26.86	1546.0001	0.45	0.00	28.61	1647.0001	0.45	0.00	28.61	1647.0001
102	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
103	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
104	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
105	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
106	7.89	7.89	0.65	0.00	41.66	2398.0002	0.64	0.00	40.85	2352.0002	0.63	0.00	40.58	2336.0002	0.63	0.00	40.58	2336.0002
107	7.89	7.89	2.87	0.00	183.59	10568.0007	2.84	0.00	181.95	10474.0007	2.83	0.00	181.40	10442.0007	2.83	0.00	181.40	10442.0007
108	7.89	7.89	7.13	1.05	0.0092	933.0099	6.97	0.87	0.0081	1158.0084	6.92	0.81	0.0077	2110.0079	6.92	0.81	0.0077	2110.0079
109	7.89	7.89	2.38	0.00	152.60	8785.0006	2.43	0.00	155.45	8948.0006	2.44	0.00	156.39	9002.0006	2.44	0.00	156.39	9002.0006
110	7.89	7.89	0.59	0.00	37.70	2170.0001	0.67	0.00	43.16	2484.0002	0.70	0.00	44.97	2589.0002	0.70	0.00	44.97	2589.0002
111	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
112	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
113	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
114	7.89	7.89	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.00	0.0000
115	7.89	7.89	0.87	0.00	55.60	3201.0002	0.87	0.00	55.53	3197.0002	0.87	0.00	55.50	3195.0002	0.87	0.00	55.50	3195.0002
116	7.89	7.89	2.87	0.00	183.67	10573.0007	2.85	0.00	182.70	10517.0007	2.85	0.00	182.36	10498.0007	2.85	0.00	182.36	10498.0007
117	7.89	7.89																

14	7.98	7.98	6.53	0.00	415.6823801.	0.016	4.90	0.00	312.0417867.	0.012	4.36	0.00	277.4815888.	0.011
15	7.98	7.98	7.64	0.12	448.6035369.	0.027	5.88	0.08	349.0526606.	0.020	5.29	0.07	315.8223681.	0.018
16	7.98	7.98	8.35	0.16	480.5240029.	0.031	6.51	0.11	381.3930211.	0.023	5.89	0.09	348.1626942.	0.020
17	7.98	7.98	8.89	0.19	501.1644004.	0.034	7.00	0.13	404.3433368.	0.026	6.37	0.11	371.7829824.	0.023
18	7.98	7.98	9.25	0.24	499.8848409.	0.039	7.35	0.16	411.6336715.	0.029	6.71	0.14	381.6832826.	0.025
19	7.98	7.98	1.65	0.00	104.98 6011.	0.004	1.45	0.00	92.41 5292.	0.004	1.42	0.00	90.09 5158.	0.003
20	7.98	7.98	1.70	0.00	108.01 6185.	0.004	1.28	0.00	81.27 4654.	0.003	1.15	0.00	73.21 4192.	0.003
21	7.98	7.98	1.87	0.00	118.82 6803.	0.005	1.29	0.00	82.16 4704.	0.003	1.11	0.00	70.48 4035.	0.003
22	7.98	7.98	2.14	0.00	136.41 7811.	0.005	1.43	0.00	91.13 5218.	0.003	1.20	0.00	76.47 4378.	0.003
23	7.98	7.98	2.77	0.00	176.0610081.	0.007	1.76	0.00	112.02 6414.	0.004	1.46	0.00	92.64 5304.	0.004
24	7.98	7.98	3.55	0.10	186.6719135.	0.015	2.47	0.07	130.6613230.	0.011	2.11	0.06	111.9611263.	0.009
25	7.98	7.98	4.03	0.13	203.1822687.	0.019	2.92	0.09	150.8316019.	0.013	2.55	0.07	133.2713798.	0.011
26	7.98	7.98	4.44	0.16	214.2825835.	0.022	3.31	0.11	166.8518567.	0.015	2.93	0.09	150.8416143.	0.013
27	7.98	7.98	4.73	0.20	204.8629483.	0.025	3.61	0.13	170.0621416.	0.018	3.24	0.11	157.9318726.	0.016
28	7.98	7.98	0.87	0.00	55.52 3179.	0.002	0.61	0.00	38.64 2212.	0.001	0.53	0.00	33.50 1918.	0.001
29	7.98	7.98	0.66	0.00	42.08 2410.	0.002	0.29	0.00	18.20 1042.	0.001	0.16	0.00	10.38 594.	0.000
30	7.98	7.98	0.59	0.00	37.82 2165.	0.001	0.15	0.00	9.68 554.	0.000	0.01	0.00	0.36 21.	0.000
31	7.98	7.98	0.59	0.00	37.44 2144.	0.001	0.09	0.00	5.84 335.	0.000	0.00	0.00	0.44 20.	0.000
32	7.98	7.98	0.62	0.00	39.31 2251.	0.002	0.03	0.00	2.22 127.	0.000	0.00	0.00	0.00 0.	0.000
33	7.98	7.98	1.16	0.08	0.00 9567.	0.009	0.46	0.06	0.00 5329.	0.005	0.23	0.05	0.00 3916.	0.004
34	7.98	7.98	1.51	0.11	0.0012455.	0.012	0.79	0.08	0.00 7606.	0.007	0.55	0.06	0.00 5988.	0.006
35	7.98	7.98	1.84	0.13	0.0015105.	0.014	1.11	0.09	0.00 9754.	0.009	0.86	0.08	0.00 7976.	0.008
36	7.98	7.98	2.15	0.17	0.0018416.	0.017	1.42	0.11	0.0012406.	0.012	1.18	0.10	0.0010404.	0.010
37	7.98	7.98	0.07	0.00	4.60 264.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
38	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
39	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
40	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
41	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
42	7.98	7.98	0.00	0.08	0.00 4817.	0.006	0.00	0.05	0.00 3364.	0.004	0.00	0.05	0.00 2881.	0.004
43	7.98	7.98	0.05	0.10	0.00 6588.	0.008	0.00	0.07	0.00 4473.	0.006	0.00	0.06	0.00 3834.	0.005
44	7.98	7.98	0.33	0.12	0.00 8928.	0.010	0.00	0.09	0.00 5400.	0.007	0.00	0.07	0.00 4629.	0.006
45	7.98	7.98	0.64	0.16	0.0012109.	0.014	0.12	0.11	0.00 7260.	0.009	0.00	0.09	0.00 5838.	0.008
46	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
47	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
48	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
49	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
50	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
51	7.98	7.98	0.00	0.07	0.00 4673.	0.006	0.00	0.05	0.00 3358.	0.004	0.00	0.05	0.00 2925.	0.004
52	7.98	7.98	0.00	0.10	0.00 6308.	0.008	0.00	0.07	0.00 4567.	0.006	0.00	0.06	0.00 3984.	0.005
53	7.98	7.98	0.00	0.12	0.00 7611.	0.010	0.00	0.09	0.00 5506.	0.007	0.00	0.08	0.00 4805.	0.006
54	7.98	7.98	0.00	0.15	0.00 9597.	0.013	0.00	0.11	0.00 6947.	0.009	0.00	0.10	0.00 6064.	0.008
55	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
56	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
57	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
58	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
59	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
60	7.98	7.98	0.00	0.07	0.00 4673.	0.006	0.00	0.06	0.00 3464.	0.005	0.00	0.05	0.00 3063.	0.004
61	7.98	7.98	0.00	0.10	0.00 6377.	0.008	0.00	0.08	0.00 4754.	0.006	0.00	0.07	0.00 4216.	0.006
62	7.98	7.98	0.00	0.12	0.00 7699.	0.010	0.00	0.09	0.00 5744.	0.008	0.00	0.08	0.00 5093.	0.007
63	7.98	7.98	0.00	0.15	0.00 9703.	0.013	0.00	0.12	0.00 7241.	0.009	0.00	0.10	0.00 6421.	0.008
64	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
65	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
66	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
67	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
68	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
69	7.98	7.98	0.00	0.07	0.00 4667.	0.006	0.00	0.06	0.00 3533.	0.005	0.00	0.05	0.00 3151.	0.004
70	7.98	7.98	0.00	0.10	0.00 6389.	0.008	0.00	0.08	0.00 4861.	0.006	0.00	0.07	0.00 4347.	0.006
71	7.98	7.98	0.00	0.12	0.00 7717.	0.010	0.00	0.09	0.00 5863.	0.008	0.00	0.08	0.00 5249.	0.007
72	7.98	7.98	0.00	0.16	0.00 9728.	0.013	0.00	0.12	0.00 7398.	0.010	0.00	0.11	0.00 6621.	0.009
73	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
74	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
75	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
76	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
77	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
78	7.98	7.98	0.00	0.07	0.00 4498.	0.006	0.00	0.05	0.00 3414.	0.004	0.00	0.05	0.00 3057.	0.004
79	7.98	7.98	0.00	0.10	0.00 6133.	0.008	0.00	0.07	0.00 4667.	0.006	0.00	0.07	0.00 4178.	0.005
80	7.98	7.98	0.00	0.12	0.00 7398.	0.010	0.00	0.09	0.00 5631.	0.007	0.00	0.08	0.00 5043.	0.007
81	7.98	7.98	0.00	0.15	0.00 9334.	0.012	0.00	0.11	0.00 7104.	0.009	0.00	0.10	0.00 6358.	0.008
82	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
83	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
84	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
85	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
86	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
87	7.98	7.98	0.00	0.06	0.00 4015.	0.005	0.00	0.05	0.00 2975.	0.004	0.00	0.04	0.00 2625.	0.003
88	7.98	7.98	0.00	0.09	0.00 5393.	0.007	0.00	0.06	0.00 3984.	0.005	0.00	0.06	0.00 3514.	0.005
89	7.98	7.98	0.00	0.10	0.00 6508.	0.009	0.00	0.08	0.00 4805.	0.006	0.00	0.07	0.00 4241.	0.006
90	7.98	7.98	0.00	0.13	0.00 8206.	0.011	0.00	0.10	0.00 6057.	0.008	0.00	0.09	0.00 5343.	0.007
91	7.98	7.98	0.69	0.00	43.97 2517.	0.002	0.78	0.00	49.83 2853.	0.002	0.81	0.00	51.78 2965.	0.002
92	7.98	7.98	0.35	0.00	22.13 1267.	0.001	0.47	0.00	29.69 1700.	0.001	0.51	0.00	32.25 1846.	0.001
93	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	4.51 258.	0.000	0.10	0.00	6.11 350.	0.000
94	7.98	7.98	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000	0.00	0.00	0.00 0.	0.000
95														

60	7.89	7.89	2.16	0.00	138.20	7954.	0.005	2.32	0.00	148.59	8553.	0.006	2.38	0.00	152.08	8753.	0.006
61	7.89	7.89	0.33	0.00	21.39	1231.	0.001	0.48	0.00	30.43	1752.	0.001	0.52	0.00	33.46	1926.	0.001
62	7.89	7.89	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000
63	7.89	7.89	0.00	0.78	0.0049270.	0.065	0.000	0.00	0.60	0.0038021.	0.050	0.000	0.00	0.54	0.0034272.	0.045	0.000
64	7.89	7.89	0.09	0.00	5.90	339.	0.000	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000
65	7.89	7.89	2.32	0.00	148.30	8536.	0.006	2.14	0.00	137.12	7892.	0.005	2.08	0.00	133.40	7678.	0.005
66	7.89	7.89	3.42	0.00	219.0912611.	0.009	3.38	0.00	216.6112468.	0.008	3.37	0.00	215.7912421.	0.008	0.00	215.7912421.	0.008
67	7.89	7.89	3.69	0.00	235.9413580.	0.009	3.74	0.00	239.4013780.	0.009	3.76	0.00	240.5713847.	0.009	0.00	240.5713847.	0.009
68	7.89	7.89	3.23	0.00	206.8611907.	0.008	3.34	0.00	213.5812293.	0.008	3.37	0.00	215.8312423.	0.008	0.00	215.8312423.	0.008
69	7.89	7.89	2.12	0.00	135.59	7804.	0.005	2.24	0.00	143.08	8236.	0.006	2.27	0.00	145.58	8380.	0.006
70	7.89	7.89	0.26	0.00	16.57	954.	0.001	0.36	0.00	22.82	1314.	0.001	0.39	0.00	24.91	1434.	0.001
71	7.89	7.89	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000
72	7.89	7.89	0.00	0.75	0.0047484.	0.063	0.00	0.58	0.0036976.	0.049	0.00	0.53	0.0033474.	0.044	0.00	0.0033474.	0.044
73	7.89	7.89	0.27	0.00	17.53	1009.	0.001	0.01	0.00	0.49	28.	0.000	0.00	0.00	0.00	0.000	0.000
74	7.89	7.89	2.41	0.00	154.45	8890.	0.006	2.28	0.00	145.87	8396.	0.006	2.23	0.00	143.04	8233.	0.006
75	7.89	7.89	3.40	0.00	217.4612517.	0.008	3.37	0.00	215.5312406.	0.008	3.36	0.00	214.9012370.	0.008	0.00	214.9012370.	0.008
76	7.89	7.89	3.54	0.00	226.3613029.	0.009	3.57	0.00	228.8313171.	0.009	3.59	0.00	229.6713220.	0.009	0.00	229.6713220.	0.009
77	7.89	7.89	2.99	0.00	191.5811027.	0.007	3.07	0.00	196.2711297.	0.008	3.09	0.00	197.8411388.	0.008	0.00	197.8411388.	0.008
78	7.89	7.89	1.86	0.00	118.85	6841.	0.005	1.99	0.00	127.69	7350.	0.005	2.07	0.00	132.27	7613.	0.005
79	7.89	7.89	0.05	0.00	2.90	167.	0.000	0.26	0.00	16.41	944.	0.001	0.35	0.00	22.12	1273.	0.001
80	7.89	7.89	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000
81	7.89	7.89	0.00	0.77	0.0048738.	0.064	0.00	0.61	0.0038370.	0.051	0.00	0.55	0.0034911.	0.046	0.00	0.0034911.	0.046
82	7.89	7.89	0.31	0.00	19.94	1148.	0.001	0.13	0.00	8.47	487.	0.000	0.07	0.00	4.67	269.	0.000
83	7.89	7.89	2.28	0.00	145.94	8400.	0.006	2.19	0.00	140.38	8080.	0.005	2.16	0.00	138.55	7975.	0.005
84	7.89	7.89	3.07	0.00	196.6211317.	0.008	3.06	0.00	195.5611256.	0.008	3.05	0.00	195.2211237.	0.008	0.00	195.2211237.	0.008
85	7.89	7.89	3.06	0.00	195.7611268.	0.008	3.09	0.00	197.5411370.	0.008	3.10	0.00	198.1411405.	0.008	0.00	198.1411405.	0.008
86	7.89	7.89	2.46	0.00	157.47	9064.	0.006	2.51	0.00	160.45	9235.	0.006	2.52	0.00	161.45	9293.	0.006
87	7.89	7.89	1.71	0.00	109.75	6317.	0.004	1.87	0.00	119.77	6894.	0.005	1.92	0.00	123.12	7086.	0.005
88	7.89	7.89	0.17	0.00	11.18	644.	0.000	0.39	0.00	24.84	1430.	0.001	0.46	0.00	29.41	1693.	0.001
89	7.89	7.89	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000
90	7.89	7.89	0.00	0.92	0.0058524.	0.077	0.00	0.75	0.0047661.	0.063	0.00	0.70	0.0044038.	0.058	0.00	0.0044038.	0.058
91	7.89	7.89	0.27	0.00	17.13	986.	0.001	0.15	0.00	9.45	544.	0.000	0.11	0.00	6.91	398.	0.000
92	7.89	7.89	2.21	0.00	141.17	8126.	0.005	2.15	0.00	137.93	7939.	0.005	2.14	0.00	136.87	7878.	0.005
93	7.89	7.89	2.90	0.00	185.3910671.	0.007	2.89	0.00	185.2010660.	0.007	2.89	0.00	185.1410657.	0.007	0.00	185.1410657.	0.007
94	7.89	7.89	2.79	0.00	178.7910291.	0.007	2.82	0.00	180.3710382.	0.007	2.83	0.00	180.9110413.	0.007	0.00	180.9110413.	0.007
95	7.89	7.89	2.15	0.00	137.91	7938.	0.005	2.20	0.00	140.55	8090.	0.005	2.22	0.00	141.98	8172.	0.006
96	7.89	7.89	1.67	0.00	106.75	6144.	0.004	1.79	0.00	114.57	6594.	0.004	1.83	0.00	117.19	6745.	0.005
97	7.89	7.89	0.17	0.00	10.95	630.	0.000	0.42	0.00	26.95	1551.	0.001	0.51	0.00	32.56	1874.	0.001
98	7.89	7.89	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000
99	7.89	7.89	0.00	1.00	0.0063325.	0.084	0.00	0.83	0.0052272.	0.069	0.00	0.77	0.0048592.	0.064	0.00	0.0048592.	0.064
100	7.89	7.89	0.28	0.00	17.85	1028.	0.001	0.21	0.00	13.71	789.	0.001	0.19	0.00	12.35	711.	0.000
101	7.89	7.89	2.16	0.00	138.18	7953.	0.005	2.14	0.00	136.75	7871.	0.005	2.13	0.00	136.29	7845.	0.005
102	7.89	7.89	2.72	0.00	174.2710031.	0.007	2.73	0.00	174.7310057.	0.007	2.73	0.00	174.9010067.	0.007	0.00	174.9010067.	0.007
103	7.89	7.89	2.52	0.00	161.15	9275.	0.006	2.54	0.00	162.59	9359.	0.006	2.55	0.00	163.09	9387.	0.006
104	7.89	7.89	1.89	0.00	121.21	6977.	0.005	1.93	0.00	123.42	7104.	0.005	1.94	0.00	124.17	7147.	0.005
105	7.89	7.89	1.49	0.00	95.57	5501.	0.004	1.60	0.00	102.50	5900.	0.004	1.64	0.00	104.88	6037.	0.004
106	7.89	7.89	0.09	0.00	5.99	345.	0.000	0.26	0.00	16.53	951.	0.001	0.32	0.00	20.22	1164.	0.001
107	7.89	7.89	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000
108	7.89	7.89	0.00	1.05	0.0066434.	0.088	0.00	0.87	0.0055173.	0.073	0.00	0.81	0.0051417.	0.068	0.00	0.0051417.	0.068
109	7.89	7.89	0.37	0.00	23.97	1380.	0.001	0.36	0.00	22.72	1308.	0.001	0.35	0.00	22.33	1285.	0.001
110	7.89	7.89	2.08	0.00	133.27	7671.	0.005	2.08	0.00	132.90	7650.	0.005	2.07	0.00	132.81	7644.	0.005
111	7.89	7.89	2.46	0.00	157.50	9066.	0.006	2.47	0.00	158.18	9105.	0.006	2.47	0.00	158.43	9119.	0.006
112	7.89	7.89	2.04	0.00	130.57	7516.	0.005	2.05	0.00	131.14	7548.	0.005	2.05	0.00	131.35	7560.	0.005
113	7.89	7.89	1.57	0.00	100.35	5776.	0.004	1.58	0.00	101.22	5826.	0.004	1.59	0.00	101.52	5844.	0.004
114	7.89	7.89	1.21	0.00	77.74	4475.	0.003	1.27	0.00	81.49	4691.	0.003	1.29	0.00	82.77	4764.	0.003
115	7.89	7.89	0.02	0.00	1.04	60.	0.000	0.13	0.00	8.48	488.	0.000	0.17	0.00	11.05	636.	0.000
116	7.89	7.89	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.000
117	7.89	7.89	0.00	1.13	0.0071394.	0.094	0.00	0.94	0.0059676.	0.079	0.00	0.88	0.0055768.	0.074	0.00	0.0055768.	0.074

ARMATURA SUPERIORE VERTICALE

GUSCI	Af	Afc	COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
			Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
1	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	
2	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	
3	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	
4	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	
5	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	
6	7.98	7.98	0.00	0.14	0.00	8814.012	0.00	0.10	0.00	6295.008	0.00	0.09	0.00	5462.007	0.00	0.000	
7	7.98	7.98	0.00	0.18	0.0011025.	0.014	0.00	0.12	0.00	7761.010	0.00	0.11	0.00	6671.009	0.00	0.000	
8	7.98	7.98	0.00	0.21	0.0013305.	0.017	0.00	0.15	0.00	9365.012	0.00	0.13	0.00	8049.011	0.00	0.000	
9	7.98	7.98	0.00	0.27	0.0016782.	0.022	0.00	0.19	0.00	11808.015	0.00	0.16	0.00	10148.013	0.00	0.000	
10	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	
11	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	
12	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	
13	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	
14	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	
15	7.98	7.98	0.00	0.12	0.00	7717.010	0.00	0.08	0.00	5324.007	0.00	0.07	0.00	4523.006	0.00	0.000	
16	7.98	7.98	0.00	0.16	0.00	9828.013	0.00	0.11	0.00	6665.009	0.00	0.09	0.00	5613.007	0.00	0.000	
17	7.98	7.98	0.00	0.19	0.0011858.	0.015	0.00	0.13	0.00	8043.011	0.00	0.11	0.00	6772.009	0.00	0.000	
18	7.98	7.98	0.00	0.24	0.0014952.	0.020	0.00	0.16	0.00	10142.013	0.00	0.14	0.00	8544.011	0.00	0.000	
19	7.98	7.98	0.00	0.00	0.00	0.000	0.19	0.00	12.22	699.000	0.40	0.00	25.58	1465.001	0.00	0.000	
20	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.03	0.00	1.97	113.000	0.00	0.000	
21	7.98	7.98	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	

106	7.98	7.98	0.00	0.07	0.00	4498.	0.006	0.00	0.05	0.00	2957.	0.004	0.00	0.04	0.00	2443.	0.003
107	7.98	7.98	0.00	0.09	0.00	5425.	0.007	0.00	0.06	0.00	3564.	0.005	0.00	0.05	0.00	2944.	0.004
108	7.98	7.98	0.00	0.11	0.00	6840.	0.009	0.00	0.07	0.00	4498.	0.006	0.00	0.06	0.00	3715.	0.005
109	7.98	7.98	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
110	7.98	7.98	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
111	7.98	7.98	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
112	7.98	7.98	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
113	7.98	7.98	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
114	7.98	7.98	0.00	0.08	0.00	5262.	0.007	0.00	0.07	0.00	4078.	0.005	0.00	0.06	0.00	3683.	0.005
115	7.98	7.98	0.00	0.12	0.00	7429.	0.010	0.00	0.09	0.00	5788.	0.008	0.00	0.08	0.00	5237.	0.007
116	7.98	7.98	0.00	0.14	0.00	8964.	0.012	0.00	0.11	0.00	6984.	0.009	0.00	0.10	0.00	6320.	0.008
117	7.98	7.98	0.00	0.18	0.00	11307.	0.015	0.00	0.14	0.00	8801.	0.012	0.00	0.13	0.00	7968.	0.010

MACROGUSCIO Platea_Bassa

VERIFICHE A FESSURAZIONE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:

lunghezze : [m] - forze : [kN]
momenti : [kNm/m] - tensioni : [kPa]
pesi specifici: [kN/m3] - angoli : [gradi]
armature : [cm2]

CASI DI CARICO:

Nome Descrizione

10 Rara (RARA)

11 Frequente (FREQUENTE)

12 Quasi Perm (QUASI PERMANENTE)

DATI:

copriferro inferiore (asse armatura): 0.03 m

copriferro superiore (asse armatura): 0.03 m

Af = area effettiva disposta nello strato indicato (cm2 al metro)

wkR = apertura caratteristica per combinazione rara (mm) - apertura max = 0.6 mm

wkF = '' '' '' '' frequente (mm) - '' '' = 0.4 mm

wkP = '' '' '' '' quasi permanente (mm) - '' '' = 0.3 mm

ARMATURA INFERIORE ORIZZONTALE

GUSCI	Af	Afc	COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
			Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
118	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
119	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
120	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
121	7.89	7.89	0.36	0.00	22.86	1316.	0.001	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
122	7.89	7.89	1.59	0.00	101.54	5845.	0.004	0.59	0.00	37.61	2165.	0.001	0.25	0.00	16.30	938.	0.001
123	7.89	7.89	2.31	0.00	147.76	8506.	0.006	1.26	0.00	80.76	4649.	0.003	0.91	0.00	58.42	3363.	0.002
124	7.89	7.89	2.63	0.00	168.09	9676.	0.007	1.61	0.00	103.35	5949.	0.004	1.28	0.00	81.76	4706.	0.003
125	7.89	7.89	2.67	0.00	170.68	9825.	0.007	1.76	0.00	112.83	6495.	0.004	1.46	0.00	93.53	5384.	0.004
126	7.89	7.89	2.54	0.00	162.53	9356.	0.006	1.80	0.00	115.18	6630.	0.004	1.55	0.00	99.38	5721.	0.004
127	7.89	7.89	2.30	0.00	147.30	8479.	0.006	1.77	0.00	113.18	6515.	0.004	1.59	0.00	101.80	5860.	0.004
128	7.89	7.89	2.08	0.00	133.29	7673.	0.005	1.76	0.00	112.56	6479.	0.004	1.65	0.00	105.65	6081.	0.004
129	7.89	7.89	1.86	0.00	119.07	6854.	0.005	1.76	0.00	112.62	6483.	0.004	1.73	0.00	110.47	6359.	0.004
130	7.89	7.89	1.69	0.00	108.01	6218.	0.004	1.82	0.00	116.55	6709.	0.005	1.87	0.00	119.39	6873.	0.005
131	7.89	7.89	1.57	0.00	100.50	5785.	0.004	1.97	0.00	125.80	7241.	0.005	2.10	0.00	134.22	7726.	0.005
132	7.89	7.89	1.56	0.00	99.89	5750.	0.004	2.26	0.00	144.43	8314.	0.006	2.49	0.00	159.27	9168.	0.006
133	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
134	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
135	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
136	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
137	7.89	7.89	0.79	0.00	50.87	2928.	0.002	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
138	7.89	7.89	1.57	0.00	100.78	5801.	0.004	0.60	0.00	38.25	2202.	0.001	0.27	0.00	17.39	1001.	0.001
139	7.89	7.89	1.99	0.00	127.49	7339.	0.005	1.02	0.00	65.52	3772.	0.003	0.70	0.00	44.86	2582.	0.002
140	7.89	7.89	2.14	0.00	137.18	7897.	0.005	1.25	0.00	80.17	4615.	0.003	0.96	0.00	61.16	3521.	0.002
141	7.89	7.89	2.12	0.00	135.94	7825.	0.005	1.37	0.00	87.47	5035.	0.003	1.11	0.00	71.30	4104.	0.003
142	7.89	7.89	1.99	0.00	127.58	7344.	0.005	1.41	0.00	90.49	5209.	0.004	1.22	0.00	78.12	4497.	0.003
143	7.89	7.89	1.87	0.00	119.79	6895.	0.005	1.48	0.00	94.90	5463.	0.004	1.35	0.00	86.61	4986.	0.003
144	7.89	7.89	1.76	0.00	112.78	6492.	0.004	1.59	0.00	101.54	5845.	0.004	1.53	0.00	97.79	5629.	0.004
145	7.89	7.89	1.73	0.00	110.78	6377.	0.004	1.79	0.00	114.64	6599.	0.004	1.81	0.00	115.92	6673.	0.005
146	7.89	7.89	1.81	0.00	115.96	6675.	0.005	2.15	0.00	137.51	7916.	0.005	2.26	0.00	144.69	8329.	0.006
147	7.89	7.89	2.07	0.00	132.67	7637.	0.005	2.74	0.00	175.66	10112.	0.007	2.97	0.00	189.99	10936.	0.007
148	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
149	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
150	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
151	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
152	7.89	7.89	0.20	0.00	12.78	735.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
153	7.89	7.89	0.98	0.00	62.71	3610.	0.002	0.06	0.00	4.14	238.	0.000	0.00	0.00	0.00	0.	0.000
154	7.89	7.89	1.44	0.00	92.00	5296.	0.004	0.51	0.00	32.85	1891.	0.001	0.21	0.00	13.13	756.	0.001
155	7.89	7.89	1.65	0.00	105.35	6064.	0.004	0.78	0.00	49.72	2862.	0.002	0.49	0.00	31.17	1794.	0.001
156	7.89	7.89	1.69	0.00	108.03	6219.	0.004	0.93	0.00	59.40	3419.	0.002	0.67	0.00	43.19	2486.	0.002
157	7.89	7.89	1.62	0.00	103.89	5980.	0.004	1.02	0.00	65.17	3751.	0.003	0.82	0.00	52.25	3008.	0.002
158	7.89	7.89	1.57	0.00	100.35	5777.	0.004	1.14	0.00	72.79	4190.	0.003	0.99	0.00	63.60	3651.	0.002

159	7.89	7.89	1.55	0.00	99.01	5700.	0.004	1.32	0.00	84.44	4861.	0.003	1.24	0.00	79.58	4581.	0.003
160	7.89	7.89	1.64	0.00	105.22	6057.	0.004	1.65	0.00	105.59	6078.	0.004	1.65	0.00	105.71	6085.	0.004
161	7.89	7.89	1.92	0.00	123.15	7089.	0.005	2.21	0.00	141.56	8149.	0.006	2.31	0.00	147.68	8501.	0.006
162	7.89	7.89	2.49	0.00	159.26	9168.	0.006	3.12	0.00	200.00	11513.	0.008	3.34	0.00	213.58	12294.	0.008
163	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
164	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
165	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
166	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
167	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
168	7.89	7.89	0.40	0.00	25.80	1485.	0.001	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
169	7.89	7.89	0.89	0.00	56.75	3267.	0.002	0.01	0.00	0.65	38.	0.000	0.00	0.00	0.00	0.	0.000
170	7.89	7.89	1.14	0.00	72.81	4191.	0.003	0.29	0.00	18.76	1080.	0.001	0.01	0.00	0.73	42.	0.000
171	7.89	7.89	1.23	0.00	78.63	4526.	0.003	0.47	0.00	29.98	1726.	0.001	0.21	0.00	13.75	791.	0.001
172	7.89	7.89	1.22	0.00	77.98	4489.	0.003	0.59	0.00	37.69	2170.	0.001	0.38	0.00	24.26	1397.	0.001
173	7.89	7.89	1.22	0.00	78.25	4504.	0.003	0.75	0.00	47.98	2762.	0.002	0.59	0.00	37.88	2181.	0.002
174	7.89	7.89	1.29	0.00	82.40	4743.	0.003	1.01	0.00	64.38	3706.	0.003	0.91	0.00	58.37	3360.	0.002
175	7.89	7.89	1.51	0.00	96.71	5567.	0.004	1.46	0.00	93.38	5375.	0.004	1.44	0.00	92.26	5311.	0.004
176	7.89	7.89	2.00	0.00	127.75	7354.	0.005	2.23	0.00	142.70	8214.	0.006	2.31	0.00	147.67	8500.	0.006
177	7.89	7.89	2.86	0.00	182.96	10532.	0.007	3.46	0.00	221.28	12738.	0.009	3.66	0.00	234.04	13472.	0.009
178	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
179	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
180	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
181	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
182	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
183	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
184	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
185	7.89	7.89	0.31	0.00	19.60	1128.	0.001	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
186	7.89	7.89	0.50	0.00	31.90	1836.	0.001	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
187	7.89	7.89	0.59	0.00	37.88	2180.	0.001	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
188	7.89	7.89	0.71	0.00	45.38	2613.	0.002	0.16	0.00	9.92	571.	0.000	0.00	0.00	0.00	0.	0.000
189	7.89	7.89	0.92	0.00	58.83	3387.	0.002	0.54	0.00	34.30	1974.	0.001	0.41	0.00	26.11	1503.	0.001
190	7.89	7.89	1.35	0.00	86.42	4974.	0.003	1.19	0.00	76.17	4385.	0.003	1.14	0.00	72.74	4187.	0.003
191	7.89	7.89	2.15	0.00	137.93	7940.	0.005	2.29	0.00	146.56	8437.	0.006	2.33	0.00	149.43	8602.	0.006
192	7.89	7.89	3.47	0.00	221.84	12770.	0.009	4.00	0.00	256.26	14751.	0.010	4.18	0.00	267.72	15411.	0.010
193	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
194	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
195	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
196	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
197	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
198	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
199	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
200	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
201	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
202	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
203	7.89	7.89	0.03	0.00	2.00	115.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
204	7.89	7.89	0.31	0.00	19.84	1142.	0.001	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
205	7.89	7.89	0.89	0.00	56.87	3274.	0.002	0.67	0.00	42.65	2455.	0.002	0.59	0.00	37.89	2181.	0.001
206	7.89	7.89	1.98	0.00	126.86	7303.	0.005	2.04	0.00	130.68	7522.	0.005	2.06	0.00	131.94	7595.	0.005
207	7.89	7.89	3.82	0.00	244.27	14061.	0.009	4.26	0.00	272.79	15703.	0.011	4.41	0.00	282.28	16249.	0.011
208	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
209	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
210	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
211	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
212	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
213	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
214	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
215	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
216	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
217	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
218	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
219	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
220	7.89	7.89	0.29	0.00	18.61	1072.	0.001	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
221	7.89	7.89	1.59	0.00	101.49	5842.	0.004	1.58	0.00	101.38	5836.	0.004	1.58	0.00	101.32	5832.	0.004
222	7.89	7.89	3.85	0.00	246.32	14179.	0.010	4.19	0.00	268.11	15434.	0.010	4.30	0.00	275.36	15851.	0.011
223	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
224	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
225	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
226	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
227	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
228	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
229	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
230	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
231	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
232	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
233	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000
234	7.89	7.89	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	0.	0.000	0.00				

127	7.87	7.87	15.91	0.00	10020.4158834	0.040	13.33	0.00	854.9049290	0.033	12.49	0.00	691.0046183	0.031
128	7.87	7.87	14.10	0.00	994.3252140	0.035	11.48	0.00	736.0042436	0.029	10.80	0.00	602.6739937	0.027
129	7.87	7.87	11.57	0.00	741.6142759	0.029	9.35	0.00	599.3134554	0.023	8.84	0.00	566.8532683	0.022
130	7.87	7.87	10.05	0.00	644.1737141	0.025	8.05	0.00	516.1929762	0.020	7.65	0.00	490.4528278	0.019
131	7.87	7.87	8.57	0.00	549.7031694	0.021	6.84	0.00	438.4325279	0.017	6.53	0.00	418.8124147	0.016
132	7.87	7.87	6.87	0.00	440.3425389	0.017	5.54	0.00	355.3420488	0.014	5.33	0.00	341.7319703	0.013
133	7.87	7.87	4.12	0.00	264.3115239	0.010	3.47	0.00	222.2112812	0.009	3.29	0.00	211.2612181	0.008
134	7.87	7.87	5.10	0.00	327.0618857	0.013	4.19	0.00	268.3615473	0.010	3.94	0.00	252.3514549	0.010
135	7.87	7.87	6.00	0.00	384.6122176	0.015	4.81	0.00	308.7117799	0.012	4.48	0.00	287.5616580	0.011
136	7.87	7.87	6.97	0.00	446.6725754	0.017	5.45	0.00	349.4620149	0.014	5.03	0.00	322.7718610	0.013
137	7.87	7.87	8.85	0.00	567.7432734	0.022	6.58	0.00	421.9624329	0.016	5.97	0.00	382.5822058	0.015
138	7.87	7.87	10.25	0.00	657.3037898	0.026	7.84	0.00	502.6628982	0.020	7.04	0.00	451.1822009	0.018
139	7.87	7.87	11.11	0.00	712.1641061	0.028	8.63	0.00	553.2031896	0.022	7.80	0.00	500.2028840	0.020
140	7.87	7.87	11.38	0.00	729.3342051	0.028	8.95	0.00	573.9343091	0.022	8.14	0.00	522.1231084	0.020
141	7.87	7.87	11.10	0.00	711.5441025	0.028	8.84	0.00	566.9332687	0.022	8.09	0.00	518.7229007	0.020
142	7.87	7.87	10.36	0.00	664.2738300	0.026	8.36	0.00	536.3330923	0.021	7.70	0.00	493.6728463	0.019
143	7.87	7.87	9.27	0.00	594.2834264	0.023	7.60	0.00	487.0528842	0.019	7.04	0.00	451.3026020	0.018
144	7.87	7.87	7.94	0.00	509.1829398	0.020	6.62	0.00	424.1724457	0.017	6.17	0.00	395.8322823	0.015
145	7.87	7.87	7.12	0.00	456.8026337	0.018	6.01	0.00	385.5522230	0.015	5.64	0.00	361.37920860	0.014
146	7.87	7.87	6.36	0.00	407.5123496	0.016	5.44	0.00	348.9820121	0.014	5.14	0.00	329.4618996	0.013
147	7.87	7.87	5.53	0.00	354.7820455	0.014	4.82	0.00	308.9617814	0.012	4.58	0.00	293.6816933	0.011
148	7.87	7.87	2.74	0.00	175.7610134	0.007	2.01	0.00	129.10.7443	0.005	1.79	0.00	114.54.6604	0.004
149	7.87	7.87	3.03	0.00	194.3411205	0.008	2.19	0.00	140.24.8086	0.005	1.92	0.00	123.03.7094	0.005
150	7.87	7.87	3.29	0.00	211.0512169	0.008	2.32	0.00	149.05.8594	0.006	2.01	0.00	129.09.7441	0.005
151	7.87	7.87	3.55	0.00	227.5013117	0.009	2.45	0.00	157.02.9853	0.006	2.09	0.00	134.08.7730	0.005
152	7.87	7.87	3.96	0.00	254.1914656	0.010	2.66	0.00	170.52.9032	0.007	2.23	0.00	143.88.8250	0.006
153	7.87	7.87	4.65	0.00	297.8717174	0.012	2.84	0.00	182.3010511	0.007	2.33	0.00	149.25.8605	0.006
154	7.87	7.87	5.38	0.00	344.9419888	0.013	3.54	0.00	227.1213095	0.009	2.93	0.00	187.8310829	0.007
155	7.87	7.87	5.87	0.00	376.4121703	0.015	4.05	0.00	259.9014985	0.010	3.45	0.00	221.0412745	0.009
156	7.87	7.87	6.09	0.00	390.39822508	0.015	4.36	0.00	279.7616310	0.011	3.79	0.00	242.8614003	0.009
157	7.87	7.87	6.05	0.00	387.9722369	0.015	4.48	0.00	287.4116571	0.011	3.96	0.00	253.8714637	0.010
158	7.87	7.87	5.80	0.00	371.5921424	0.015	4.44	0.00	284.3716396	0.011	3.98	0.00	255.2914719	0.010
159	7.87	7.87	5.35	0.00	342.7419761	0.013	4.22	0.00	270.8816518	0.011	3.85	0.00	246.25194236	0.010
160	7.87	7.87	5.06	0.00	324.3818703	0.013	4.09	0.00	261.9715104	0.010	3.76	0.00	241.1613904	0.009
161	7.87	7.87	4.79	0.00	306.8217690	0.012	3.95	0.00	253.2214600	0.010	3.67	0.00	235.3413569	0.009
162	7.87	7.87	4.47	0.00	286.3216508	0.011	3.77	0.00	241.8413944	0.009	3.54	0.00	227.0113089	0.009
163	7.87	7.87	0.89	0.00	56.79.3274	0.002	0.21	0.00	13.53.780	0.001	0.00	0.00	0.00	0.000
164	7.87	7.87	0.84	0.00	54.18.3124	0.002	0.10	0.00	6.14.354	0.000	0.00	0.00	0.00	0.000
165	7.87	7.87	0.80	0.00	51.51.2970	0.002	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
166	7.87	7.87	0.75	0.00	48.28.2784	0.002	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
167	7.87	7.87	0.68	0.00	43.46.2506	0.002	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
168	7.87	7.87	0.71	0.00	45.71.2635	0.002	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
169	7.87	7.87	1.35	0.00	86.46.4985	0.003	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
170	7.87	7.87	1.87	0.00	120.21.6931	0.005	0.51	0.00	32.67.1884	0.001	0.00	0.00	0.00	0.000
171	7.87	7.87	2.34	0.00	149.71.8632	0.006	1.02	0.00	65.11.3754	0.003	0.58	0.00	36.90.2128	0.001
172	7.87	7.87	2.71	0.00	173.7510018	0.007	1.48	0.00	94.85.5469	0.004	1.07	0.00	68.53.3952	0.003
173	7.87	7.87	2.99	0.00	191.8411061	0.007	1.89	0.00	121.13.6984	0.005	1.52	0.00	97.75.5625	0.004
174	7.87	7.87	3.16	0.00	202.3511667	0.008	2.21	0.00	141.81.8176	0.006	1.90	0.00	121.62.7012	0.005
175	7.87	7.87	3.25	0.00	208.2012004	0.008	2.40	0.00	153.86.8871	0.006	2.12	0.00	135.135.7826	0.005
176	7.87	7.87	3.32	0.00	212.7112264	0.008	2.56	0.00	164.22.9468	0.006	2.31	0.00	148.75.8536	0.006
177	7.87	7.87	3.36	0.00	215.2212409	0.008	2.70	0.00	173.03.9976	0.007	2.48	0.00	158.97.9165	0.006
178	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
179	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
180	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
181	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
182	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
183	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
184	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
185	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
186	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
187	7.87	7.87	0.18	0.00	11.42.658	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
188	7.87	7.87	0.77	0.00	49.54.2856	0.002	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
189	7.87	7.87	1.34	0.00	85.62.4937	0.003	0.54	0.00	34.71.2001	0.001	0.28	0.00	17.73.1023	0.001
190	7.87	7.87	1.67	0.00	106.96.6167	0.004	0.93	0.00	59.87.3452	0.002	0.69	0.00	44.16.2546	0.002
191	7.87	7.87	1.97	0.00	126.00.7265	0.005	1.29	0.00	82.58.4761	0.003	1.06	0.00	68.11.9327	0.003
192	7.87	7.87	2.25	0.00	144.42.8327	0.006	1.64	0.00	105.17.6663	0.004	1.44	0.00	92.07.5909	0.004
193	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
194	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
195	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000
196	7.87	7.87	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000

COMBINAZIONE FREQ

280	7.87	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
281	7.87	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
282	7.87	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
283	7.87	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
284	7.87	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	7.87	7.87	0.29	0.00	18.86	1087.	0.001	0.00	0.00	0.00	0.00	0.00
286	7.87	7.87	0.72	0.00	46.10	2658.	0.002	0.13	0.00	8.07	465.	0.000
287	7.87	7.87	1.16	0.00	74.24	4281.	0.003	0.61	0.00	38.89	2242.	0.002
288	7.87	7.87	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000
289	7.87	7.87	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000
210	7.87	7.87	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000

295	7.87	7.87	2.10	0.00	134.51	7756.	0.005	2.58	0.00	165.28	9529.	0.006	2.74	0.00	175.5310210.	0.007	
296	7.87	7.87	1.98	0.00	127.27	7338.	0.005	2.45	0.00	157.24	9066.	0.006	2.61	0.00	167.22	9642.	0.007
297	7.87	7.87	1.86	0.00	118.96	6859.	0.005	2.30	0.00	147.44	8501.	0.006	2.45	0.00	156.93	9048.	0.006
298	7.87	7.87	7.33	0.00	470.0527102.	0.018		6.74	0.00	432.3424977.	0.017		6.55	0.00	419.9024210.	0.016	
299	7.87	7.87	7.78	0.00	499.0628774.	0.019		7.33	0.00	470.1272104.	0.018		7.18	0.00	460.4326547.	0.018	
300	7.87	7.87	8.06	0.00	516.9629807.	0.020		7.66	0.00	491.2328323.	0.019		7.53	0.00	482.4627827.	0.019	
301	7.87	7.87	8.34	0.00	534.4430814.	0.021		7.98	0.00	511.7829507.	0.020		7.86	0.00	504.2129071.	0.020	
302	7.87	7.87	8.78	0.00	563.2632476.	0.022		8.57	0.00	546.1331488.	0.021		8.43	0.00	540.54131158.	0.021	
303	7.87	7.87	8.98	0.00	575.8233200.	0.022		8.72	0.00	562.3932425.	0.022		8.70	0.00	557.8832166.	0.022	
304	7.87	7.87	8.93	0.00	572.5730121.	0.022		8.75	0.00	560.7632332.	0.022		8.68	0.00	556.8132104.	0.022	
305	7.87	7.87	8.61	0.00	552.0331828.	0.022		8.43	0.00	540.4531161.	0.021		8.37	0.00	536.53708937.	0.021	
306	7.87	7.87	8.00	0.00	513.1829588.	0.020		7.81	0.00	501.0628890.	0.020		7.75	0.00	497.0128656.	0.019	
307	7.87	7.87	7.11	0.00	455.8526283.	0.018		6.91	0.00	443.8042554.	0.017		7.02	0.00	450.4501425954.	0.018	
308	7.87	7.87	5.95	0.00	381.4221991.	0.015		6.02	0.00	386.1322263.	0.015		6.19	0.00	397.03322891.	0.016	
309	7.87	7.87	4.59	0.00	294.5216981.	0.012		5.00	0.00	320.7518494.	0.013		5.17	0.00	331.2219097.	0.013	
310	7.87	7.87	3.91	0.00	250.9614469.	0.010		4.39	0.00	281.6816241.	0.011		4.55	0.00	291.09116831.	0.011	
311	7.87	7.87	3.35	0.00	214.8012385.	0.008		3.82	0.00	244.6714107.	0.010		3.97	0.00	254.6214680.	0.010	
312	7.87	7.87	2.73	0.00	174.7910078.	0.007		3.17	0.00	203.25171719.	0.008		3.32	0.00	212.7132266.	0.008	

GUSU	COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
	Af	Afc	Mom	Nor	sigC sigF WkR	Mom	Nor	sigC sigF WkF	Mom	Nor	sigC sigF WkP				
118	7.89	7.89	3.65	0.00	233.7513454. 0.009	4.32	0.00	276.3615907. 0.011	4.50	0.00	288.0116577. 0.011				
119	7.89	7.89	3.12	0.00	199.9811511. 0.008	3.21	0.00	205.5511831. 0.008	3.37	0.00	215.4412400. 0.008				
120	7.89	7.89	1.60	0.00	102.59 5905. 0.004	1.72	0.00	110.10 6337. 0.004	1.81	0.00	115.86 6669. 0.005				
121	7.89	7.89	0.22	0.00	14.04 808. 0.001	0.52	0.00	33.33 1919. 0.001	0.64	0.00	41.12 2367. 0.002				
122	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000				
123	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000				
124	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000				
125	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000				
126	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000				
127	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000				
128	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000				
129	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.09	0.00	5.70 328. 0.000	0.29	0.00	18.42 1060. 0.001				
130	7.89	7.89	0.12	0.00	7.55 434. 0.000	0.51	0.00	32.86 1892. 0.001	0.70	0.00	44.83 2581. 0.002				
131	7.89	7.89	0.69	0.00	44.43 2557. 0.002	0.92	0.00	58.97 3395. 0.002	1.07	0.00	68.52 3944. 0.003				
132	7.89	7.89	1.21	0.00	77.15 4441. 0.003	0.55	0.00	34.89 2008. 0.001	0.33	0.00	20.82 1199. 0.001				
133	7.89	7.89	3.62	0.00	231.4713323. 0.009	4.20	0.00	269.0115484. 0.010	4.35	0.00	278.5216031. 0.011				
134	7.89	7.89	3.23	0.00	296.9419111. 0.008	3.51	0.00	224.7512936. 0.009	3.80	0.00	243.1113993. 0.009				
135	7.89	7.89	1.94	0.00	124.27 7153. 0.005	2.14	0.00	137.09 7891. 0.005	2.28	0.00	145.93 8400. 0.006				
136	7.89	7.89	0.70	0.00	44.73 2574. 0.002	1.02	0.00	65.48 3769. 0.003	1.16	0.00	74.14 4267. 0.003				
137	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.29	0.00	18.66 1074. 0.001	0.46	0.00	29.48 1697. 0.001				
138	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.09	0.00	5.47 315. 0.000				
139	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000				
140	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000				
141	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.00 0. 0.000	0.03	0.00	1.64 94. 0.000				
142	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.00	0.00	0.17 10. 0.000	0.23	0.00	14.90 857. 0.001				
143	7.89	7.89	0.00	0.00	0.00 0. 0.000	0.34	0.00	21.54 1240. 0.001	0.56	0.00	36.09 2077. 0.001				
144	7.89	7.89	0.21	0.00	13.37 769. 0.001	0.75	0.00	48.00 2763. 0.002	0.98	0.00	62.80 3614. 0.002				
145	7.89	7.89	0.												

179	7.89	7.89	4.04	0.00	258.4514876.	0.010	4.17	0.00	267.0415371.	0.010	4.22	0.00	269.9215536.	0.010
180	7.89	7.89	3.41	0.00	218.1812558.	0.008	3.69	0.00	236.2813600.	0.009	3.79	0.00	242.3213948.	0.009
181	7.89	7.89	2.40	0.00	153.82 8854.	0.006	2.86	0.00	183.1010539.	0.007	3.01	0.00	192.8711101.	0.007
182	7.89	7.89	1.71	0.00	109.77 6318.	0.004	2.02	0.00	129.52 7455.	0.005	2.23	0.00	142.63 8210.	0.006
183	7.89	7.89	1.47	0.00	94.18 5421.	0.004	1.81	0.00	115.75 6662.	0.004	1.92	0.00	122.94 7076.	0.005
184	7.89	7.89	1.42	0.00	90.94 5234.	0.004	1.81	0.00	115.77 6663.	0.004	1.94	0.00	124.06 7141.	0.005
185	7.89	7.89	1.55	0.00	99.07 5702.	0.004	1.94	0.00	124.02 7138.	0.005	2.07	0.00	132.35 7618.	0.005
186	7.89	7.89	1.82	0.00	116.32 6695.	0.005	2.16	0.00	138.49 7971.	0.005	2.28	0.00	145.88 8397.	0.006
187	7.89	7.89	2.16	0.00	138.54 7974.	0.005	2.43	0.00	155.37 8943.	0.006	2.52	0.00	160.99 9266.	0.006
188	7.89	7.89	2.54	0.00	162.27 9340.	0.006	2.66	0.00	170.34 9804.	0.007	2.70	0.00	173.04 9960.	0.007
189	7.89	7.89	2.75	0.00	175.8010119.	0.007	2.69	0.00	172.06 9904.	0.007	2.67	0.00	170.82 9832.	0.007
190	7.89	7.89	2.58	0.00	165.35 9517.	0.006	2.28	0.00	145.89 8397.	0.006	2.18	0.00	139.42 8025.	0.005
191	7.89	7.89	1.74	0.00	111.58 6422.	0.004	1.12	0.00	71.78 4132.	0.003	0.91	0.00	58.53 3369.	0.002
192	7.89	7.89	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000
193	7.89	7.89	3.37	0.00	215.5112404.	0.008	3.31	0.00	211.7712189.	0.008	3.29	0.00	210.5412119.	0.008
194	7.89	7.89	3.84	0.00	245.6114137.	0.010	3.90	0.00	249.4314357.	0.010	3.92	0.00	250.7214431.	0.010
195	7.89	7.89	3.49	0.00	223.5712868.	0.009	3.69	0.00	236.4113608.	0.009	3.76	0.00	240.7013854.	0.009
196	7.89	7.89	2.82	0.00	180.7310403.	0.007	3.11	0.00	199.2711469.	0.008	3.23	0.00	206.9011909.	0.008
197	7.89	7.89	2.38	0.00	152.61 8784.	0.006	2.61	0.00	166.96 9610.	0.006	2.68	0.00	171.76 9886.	0.007
198	7.89	7.89	2.11	0.00	134.86 7762.	0.005	2.40	0.00	153.92 8859.	0.006	2.50	0.00	160.28 9226.	0.006
199	7.89	7.89	2.02	0.00	129.26 7440.	0.005	2.34	0.00	149.83 8624.	0.006	2.45	0.00	156.70 9020.	0.006
200	7.89	7.89	2.11	0.00	135.21 7783.	0.005	2.41	0.00	154.31 8882.	0.006	2.51	0.00	160.68 9249.	0.006
201	7.89	7.89	2.34	0.00	149.95 8631.	0.006	2.57	0.00	164.81 9486.	0.006	2.65	0.00	169.77 9772.	0.007
202	7.89	7.89	2.63	0.00	168.41 9694.	0.007	2.76	0.00	176.6110165.	0.007	2.80	0.00	179.3610324.	0.007
203	7.89	7.89	2.90	0.00	185.5210678.	0.007	2.88	0.00	184.1810601.	0.007	2.87	0.00	183.7510576.	0.007
204	7.89	7.89	2.95	0.00	188.9310875.	0.007	2.74	0.00	175.5710106.	0.007	2.67	0.00	171.14 9850.	0.006
205	7.89	7.89	2.56	0.00	163.57 9415.	0.006	2.11	0.00	135.38 7792.	0.005	1.97	0.00	126.00 7252.	0.005
206	7.89	7.89	1.39	0.00	88.77 5110.	0.003	0.67	0.00	42.85 2466.	0.002	0.43	0.00	27.56 1587.	0.001
207	7.89	7.89	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000
208	7.89	7.89	3.75	0.00	240.1213821.	0.009	3.41	0.00	218.0712552.	0.008	3.29	0.00	210.7212129.	0.008
209	7.89	7.89	4.21	0.00	269.3115501.	0.010	4.01	0.00	256.4414760.	0.010	3.94	0.00	252.1714514.	0.010
210	7.89	7.89	3.95	0.00	252.9314558.	0.010	3.91	0.00	250.0014390.	0.010	3.89	0.00	249.0414334.	0.010
211	7.89	7.89	3.43	0.00	219.8612655.	0.009	3.52	0.00	225.5612983.	0.009	3.55	0.00	227.4613092.	0.009
212	7.89	7.89	2.93	0.00	187.6210799.	0.007	3.12	0.00	199.4411479.	0.008	3.18	0.00	203.3811706.	0.008
213	7.89	7.89	2.57	0.00	164.80 9486.	0.006	2.81	0.00	179.7810348.	0.007	2.89	0.00	184.7810636.	0.007
214	7.89	7.89	2.40	0.00	153.92 8859.	0.006	2.64	0.00	169.11 9734.	0.007	2.72	0.00	174.1910026.	0.007
215	7.89	7.89	2.41	0.00	154.46 8891.	0.006	2.61	0.00	167.13 9620.	0.006	2.68	0.00	171.37 9864.	0.007
216	7.89	7.89	2.55	0.00	163.26 9397.	0.006	2.67	0.00	170.94 9839.	0.007	2.71	0.00	173.51 9987.	0.007
217	7.89	7.89	2.74	0.00	175.2610088.	0.007	2.74	0.00	175.6910112.	0.007	2.75	0.00	175.8410121.	0.007
218	7.89	7.89	2.86	0.00	183.2710549.	0.007	2.72	0.00	174.3610036.	0.007	2.68	0.00	171.40 9866.	0.007
219	7.89	7.89	2.76	0.00	176.4310155.	0.007	2.44	0.00	156.22 8992.	0.006	2.34	0.00	149.49 8604.	0.006
220	7.89	7.89	2.18	0.00	139.25 8015.	0.005	1.66	0.00	105.94 6098.	0.004	1.48	0.00	94.85 5459.	0.004
221	7.89	7.89	0.81	0.00	51.54 2967.	0.002	0.06	0.00	3.73 215.	0.000	0.00	0.00	0.00 0.000	0.000
222	7.89	7.89	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000
223	7.89	7.89	4.56	0.00	291.9816806.	0.011	4.19	0.00	267.9015200.	0.010	4.06	0.00	259.8914959.	0.010
224	7.89	7.89	4.84	0.00	309.9617841.	0.012	4.64	0.00	297.0817099.	0.012	4.57	0.00	292.7916853.	0.011
225	7.89	7.89	4.45	0.00	284.9716403.	0.011	4.40	0.00	281.6216210.	0.011	4.38	0.00	280.5216146.	0.011
226	7.89	7.89	3.83	0.00	245.0214103.	0.010	3.89	0.00	248.8614324.	0.010	3.91	0.00	250.1614399.	0.010
227	7.89	7.89	3.23	0.00	206.7111898.	0.008	3.36	0.00	215.0712379.	0.008	3.40	0.00	217.8712541.	0.008
228	7.89	7.89	2.78	0.00	178.1210252.	0.007	2.94	0.00	188.2710837.	0.007	2.99	0.00	191.6711032.	0.007
229	7.89	7.89	2.52	0.00	161.43 9292.	0.006	2.67	0.00	170.77 9829.	0.007	2.72	0.00	173.8910009.	0.007
230	7.89	7.89	2.43	0.00	155.79 8967.	0.006	2.53	0.00	161.96 9322.	0.006	2.56	0.00	164.03 9441.	0.006
231	7.89	7.89	2.46	0.00	157.73 9079.	0.006	2.48	0.00	158.64 9131.	0.006	2.48	0.00	158.95 9149.	0.006
232	7.89	7.89	2.53	0.00	162.09 9329.	0.006	2.44	0.00	155.91 8974.	0.006	2.40	0.00	153.86 8856.	0.006
233	7.89	7.89	2.53	0.00	161.81 9313.	0.006	2.30	0.00	146.97 8459.	0.006	2.22	0.00	142.03 8175.	0.006
234	7.89	7.89	2.29	0.00	146.71 8444.	0.006	1.90	0.00	121.91 7017.	0.005	1.78	0.00	113.65 6541.	0.004
235	7.89	7.89	1.60	0.00	102.56 5903.	0.004	1.04	0.00	66.89 3850.	0.003	0.86	0.00	55.01 3166.	0.002
236	7.89	7.89	0.17	0.00	11.13 641.	0.000	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000
237	7.89	7.89	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000
238	7.89	7.89	5.48	0.00	350.6220181.	0.014	5.06	0.00	324.1918660.	0.013	4.93	0.00	315.4018154.	0.012
239	7.89	7.89	5.33	0.00	341.3219646.	0.013	5.12	0.00	327.7318864.	0.013	5.05	0.00	323.2118604.	0.013
240	7.89	7.89	4.68	0.00	299.3817232.	0.012	4.61	0.00	294.9116975.	0.011	4.58	0.00	293.4316890.	0.011
241	7.89	7.89	3.89	0.00	249.2714348.	0.010	3.92	0.00	250.6514427.	0.010	3.92	0.00	251.1314455.	0.010
242	7.89	7.89	3.20	0.00	204.8211789.	0.008	3.27	0.00	209.2612045.	0.008	3.29	0.00	210.7412130.	0.008
243	7.89	7.89	2.68	0.00	171.76 9886.	0.007	2.76	0.00	176.7810175.	0.007	2.79	0.00	178.4610272.	0.007
244	7.89	7.89	2.36	0.00	150.77 8678.	0.006	2.41	0.00	154.19 8875.	0.006	2.43	0.00	155.33 8941.	0.006
245	7.89	7.89	2.19	0.00	140.26 8073.	0.005	2.19	0.00	140.16 8068.	0.005	2.19	0.00	140.14 8066.	0.005
246	7.89	7.89	2.13	0.00	136.52 7858.	0.005	2.05	0.00	131.27 7556.	0.005	2.02	0.00	129.52 7455.	0.005
247	7.89	7.89	2.10	0.00	134.58 7746.	0.005	1.92	0.00	122.81 7069.	0.005	2.01	0.00	128.86 7417.	0.005
248	7.89	7.89	2.00	0.00	128.04 7370.	0.005	1.88	0.00	120.50 6936.	0.005	2.05	0.00	131.15 7549.	0.005
249	7.89	7.89	1.69	0.00	108.00 6216.	0.004	1.69	0.00	108.14 6225.	0.004	1.83	0.00	116.96 6732.	0.005
250	7.89	7.89	0.97	0.00	62.30 3586.	0.002	1.03	0.00	65.93 3795.	0.003	1.12	0.00	71.94 4141.	0.003
251	7.89	7.89	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000
252	7.89	7.89	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000	0.00	0.00	0.00 0.000	0.000
253	7.89	7.89	6.17	0.00	395.1022741.	0.015	5.72	0.00	366.2221079.	0.014	5.57	0.00	356.6120526.	0.014
254	7.89	7.89	5.51	0.00	352.7920306.	0.014	5.28	0.00	337.8919448.	0.013	5.20	0.00	332.9419163.	0.013
255														

147	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
148	7.87	7.87	0.00	0.00	0.0000	0.02	0.00	72.0000	0.46	0.00	1699.0001
149	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.06	0.00	222.0000
150	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
151	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
152	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
153	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
154	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
155	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
156	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
157	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
158	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
159	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.18	0.00	648.0000
160	7.87	7.87	0.00	0.00	0.0000	0.20	0.00	741.0001	0.48	0.00	1791.0001
161	7.87	7.87	0.00	0.00	0.0000	0.54	0.00	1980.0001	0.77	0.00	2864.0002
162	7.87	7.87	0.27	0.00	997.0001	0.83	0.00	3069.0002	1.02	0.00	3761.0003
163	7.87	7.87	0.54	0.00	2002.0001	1.61	0.00	5944.0004	1.96	0.00	7258.0005
164	7.87	7.87	0.43	0.00	1585.0001	1.54	0.00	5690.0004	1.91	0.00	7060.0005
165	7.87	7.87	0.23	0.00	853.0001	1.39	0.00	5129.0003	1.77	0.00	6554.0004
166	7.87	7.87	0.00	0.00	0.0000	1.20	0.00	4444.0003	1.60	0.00	5932.0004
167	7.87	7.87	0.00	0.00	0.0000	0.96	0.00	3550.0002	1.39	0.00	5129.0003
168	7.87	7.87	0.00	0.00	0.0000	0.53	0.00	1971.0001	0.98	0.00	3619.0002
169	7.87	7.87	0.00	0.00	0.0000	0.76	0.00	2815.0002	1.10	0.00	4056.0003
170	7.87	7.87	0.14	0.00	524.0000	1.14	0.00	4213.0003	1.47	0.00	5443.0004
171	7.87	7.87	0.55	0.00	2051.0001	1.50	0.00	5540.0004	1.81	0.00	6704.0005
172	7.87	7.87	0.97	0.00	3583.0002	1.81	0.00	6701.0005	2.09	0.00	7742.0005
173	7.87	7.87	1.33	0.00	4922.0003	2.03	0.00	7510.0005	2.27	0.00	8373.0006
174	7.87	7.87	1.55	0.00	5713.0004	2.07	0.00	7647.0005	2.24	0.00	8292.0006
175	7.87	7.87	1.70	0.00	6281.0004	2.12	0.00	7822.0005	2.26	0.00	8337.0006
176	7.87	7.87	1.83	0.00	6773.0005	2.15	0.00	7933.0005	2.25	0.00	8321.0006
177	7.87	7.87	1.90	0.00	7019.0005	2.10	0.00	7758.0005	2.17	0.00	8005.0005
178	7.87	7.87	1.88	0.00	6934.0005	2.64	0.00	9760.0007	2.90	0.00	10702.0007
179	7.87	7.87	1.98	0.00	7305.0005	2.78	0.00	10258.0007	3.04	0.00	11243.0008
180	7.87	7.87	1.99	0.00	7353.0005	2.82	0.00	10431.0007	3.10	0.00	11457.0008
181	7.87	7.87	1.96	0.00	7252.0005	2.83	0.00	10475.0007	3.12	0.00	11551.0008
182	7.87	7.87	1.96	0.00	7234.0005	2.89	0.00	10692.0007	3.20	0.00	11845.0008
183	7.87	7.87	2.09	0.00	7736.0005	2.75	0.00	10153.0007	3.07	0.00	11332.0008
184	7.87	7.87	2.52	0.00	9297.0006	3.16	0.00	11690.0008	3.38	0.00	12489.0008
185	7.87	7.87	2.87	0.00	10614.0007	3.48	0.00	12865.0009	3.68	0.00	13616.0009
186	7.87	7.87	3.14	0.00	11608.0008	3.68	0.00	13603.0009	3.86	0.00	14268.0010
187	7.87	7.87	3.29	0.00	12176.0008	3.74	0.00	13810.0009	3.88	0.00	14355.0010
188	7.87	7.87	3.29	0.00	12163.0008	3.61	0.00	13353.0009	3.72	0.00	13750.0009
189	7.87	7.87	3.06	0.00	11325.0008	3.25	0.00	12031.0008	3.32	0.00	12266.0008
190	7.87	7.87	2.95	0.00	10902.0007	3.06	0.00	111313.0008	3.10	0.00	11451.0008
191	7.87	7.87	2.82	0.00	10441.0007	2.86	0.00	10575.0007	2.87	0.00	10620.0007
192	7.87	7.87	2.61	0.00	9652.0007	2.57	0.00	9497.0006	2.56	0.00	9446.0006
193	7.87	7.87	2.61	0.00	9638.0007	3.10	0.00	11477.0008	3.27	0.00	112091.0008
194	7.87	7.87	2.83	0.00	10472.0007	3.36	0.00	12430.0008	3.54	0.00	13083.0009
195	7.87	7.87	2.98	0.00	11027.0007	3.54	0.00	13096.0009	3.73	0.00	13786.0009
196	7.87	7.87	3.10	0.00	11461.0008	3.70	0.00	13659.0009	3.89	0.00	14392.0010
197	7.87	7.87	3.54	0.00	13072.0009	3.96	0.00	14633.0010	4.18	0.00	15441.0010
198	7.87	7.87	4.01	0.00	14830.0010	4.40	0.00	16249.0011	4.52	0.00	16723.0011
199	7.87	7.87	4.38	0.00	16183.0011	4.73	0.00	17499.0012	4.85	0.00	17938.0012
200	7.87	7.87	4.61	0.00	17043.0012	4.91	0.00	18167.0012	5.02	0.00	18542.0013
201	7.87	7.87	4.69	0.00	17334.0012	4.92	0.00	18188.0012	5.00	0.00	18474.0013
202	7.87	7.87	4.59	0.00	16969.0011	4.73	0.00	17496.0012	4.78	0.00	17673.0012
203	7.87	7.87	4.28	0.00	15819.0011	4.33	0.00	15991.0011	4.34	0.00	16049.0011
204	7.87	7.87	3.73	0.00	13774.0009	3.68	0.00	13607.0009	3.67	0.00	13551.0009
205	7.87	7.87	3.42	0.00	12625.0009	3.31	0.00	12247.0008	3.28	0.00	12122.0008
206	7.87	7.87	3.11	0.00	11485.0008	2.95	0.00	10915.0007	2.90	0.00	10726.0007
207	7.87	7.87	2.71	0.00	10004.0007	2.50	0.00	9254.0006	2.44	0.00	9004.0006
208	7.87	7.87	3.27	0.00	12077.0008	3.44	0.00	12725.0009	3.50	0.00	12941.0009
209	7.87	7.87	3.62	0.00	13397.0009	3.81	0.00	14087.0010	3.87	0.00	14318.0010
210	7.87	7.87	3.93	0.00	14538.0010	4.12	0.00	15244.0010	4.19	0.00	15480.0010
211	7.87	7.87	4.25	0.00	15723.0011	4.44	0.00	16426.0011	4.51	0.00	16660.0011
212	7.87	7.87	4.79	0.00	17724.0012	4.98	0.00	18415.0012	5.04	0.00	18646.0013
213	7.87	7.87	5.19	0.00	19184.0013	5.36	0.00	19798.0013	5.41	0.00	20003.0014
214	7.87	7.87	5.42	0.00	20050.0014	5.55	0.00	20517.0014	5.59	0.00	20673.0014
215	7.87	7.87	5.49	0.00	20283.0014	5.56	0.00	20538.0014	5.58	0.00	20623.0014
216	7.87	7.87	5.37	0.00	19839.0013	5.37	0.00	19835.0013	5.37	0.00	19834.0013
217	7.87	7.87	5.05	0.00	18667.0013	4.97	0.00	18379.0012	4.95	0.00	18283.0012
218	7.87	7.87	4.52	0.00	16710.0011	4.37	0.00	16145.0011	4.32	0.00	15957.0011
219	7.87	7.87	3.77	0.00	13933.0009	3.55	0.00	13137.0009	3.48	0.00	12872.0009
220	7.87	7.87	3.33	0.00	12326.0008	3.08	0.00	11384.0008	2.99	0.00	11070.0007
221	7.87	7.87	2.91	0.00	10772.0007	2.63	0.00	9704.0007	2.53	0.00	9349.0006
222	7.87	7.87	2.41	0.00	8918.0006	2.10	0.00	7748.0005	1.87	0.00	6927.0005
223	7.87	7.87	4.15	0.00	15341.0010	4.21	0.00	15567.0011	4.23	0.00	15643.0011
224	7.87	7.87	4.47	0.00	16523.0011	4.53	0.00	16754.0011	4.55	0.00	16832.0011
225	7.87	7.87	4.72	0.00	17451.0012	4.78	0.00	17666.0012	4.80	0.00	17738.0012
226	7.87	7.87	4.97	0.00	18387.0012	5.02	0.00	18564.0013	5.04	0.00	18624.0013
227	7.87	7.87	5.41	0.00	20015.0014	5.44	0.00	20212.0014	5.45	0.00	202158.0014
228	7.87	7.87	5.66	0.00	20919.0014	5.66	0.00	20907.0014	5.66	0.00	20904.0014
229	7.87	7.87	5.72	0.00	21144.0014	5.67	0.00	20961.0014	5.65	0.00	20901.0014
230	7.87	7.87	5.60	0.00	20711.0014	5.50	0.00	20314.0014	5.46	0.00	20182.0014

231	7.87	7.87	5.31	0.00	19621.0013	5.14	0.00	18983.0013	5.08	0.00	18770.0013
232	7.87	7.87	4.83	0.00	17859.0012	4.59	0.00	16978.0011	4.51	0.00	16685.0011
233	7.87	7.87	4.17	0.00	15421.0010	3.88	0.00	14326.0010	3.78	0.00	13961.0009
234	7.87	7.87	3.34	0.00	12357.0008	3.00	0.00	11107.0008	2.89	0.00	10691.0007
235	7.87	7.87	2.86	0.00	10558.0007	2.49	0.00	9209.0006	2.37	0.00	8760.0006
236	7.87	7.87	2.39	0.00	8839.0006	1.95	0.00	7219.0005	1.85	0.00	6855.0005
237	7.87	7.87	1.87	0.00	6900.0005	1.34	0.00	4972.0003	1.32	0.00	4872.0003
238	7.87	7.87	4.58	0.00	16915.0011	4.54	0.00	16798.0011	4.53	0.00	16760.0011
239	7.87	7.87	4.79	0.00	17718.0012	4.76	0.00	17585.0012	4.75	0.00	17541.0012
240	7.87	7.87	4.93	0.00	18236.0012	4.89	0.00	18068.0012	4.87	0.00	18013.0012
241	7.87	7.87	5.07	0.00	18739.0013	5.01	0.00	18512.0013	4.99	0.00	18436.0012
242	7.87	7.87	5.33	0.00	19684.0013	5.24	0.00	19353.0013	5.21	0.00	19243.0013
243	7.87	7.87	5.36	0.00	19832.0013	5.24	0.00	19358.0013	5.19	0.00	19120.0013
244	7.87	7.87	5.23	0.00	19345.0013	5.06	0.00	18689.0013	5.00	0.00	18471.0013
245	7.87	7.87	4.96	0.00	18321.0012	4.72	0.00	17452.0012	4.64	0.00	17163.0012
246	7.87	7.87	4.54	0.00	16785.0011	4.25	0.00	15694.0011	4.25	0.00	15709.0011
247	7.87	7.87	3.99	0.00	14740.0010	3.93	0.00	14545.0010	4.05	0.00	14981.0010
248	7.87	7.87	3.30	0.00	12211.0008	3.52	0.00	13009.0009	3.64	0.00	13463.0009
249	7.87	7.87	2.52	0.00	9299.0006	2.88	0.00	10639.0007	3.00	0.00	11086.0008
250	7.87	7.87	2.15	0.00	7944.0005	2.51	0.00	9281.0006	2.63	0.00	9727.0007
251	7.87	7.87	1.79	0.00	6632.0004	2.15	0.00	7954.0005	2.27	0.00	8396.0006
252	7.87	7.87	1.27	0.00	4711.0003	1.56	0.00	5750.0004	1.70	0.00	6273.0004
253	7.87	7.87	4.40	0.00	16282.0011	4.31	0.00	15926.0011	4.28	0.00	15808.0011
254	7.87	7.87	4.44	0.00	16431.0011	4.34	0.00	16049.0011	4.31	0.00	15922.0011
255	7.87	7.87	4.42	0.00	16346.0011	4.31	0.00	15916.0011	4.27	0.00	15773.0011
256	7.87	7.87	4.39	0.00	16246.0011	4.26	0.00	15742.0011	4.21	0.00	15574.0011
257	7.87	7.87	4.38	0.00	16197.0011	4.21	0.00	15571.0011	4.16	0.00	15363.0010
258	7.87	7.87	4.18	0.00	15453.0010	3.97	0.00	14670.0010	3.90	0.00	14449.0010
259	7.87	7.87	3.87	0.00	14310.0010	3.61	0.00	13333.0009	3.52	0.00	13008.0009
260	7.87	7.87	3.49	0.00	12900.0009	3.17	0.00	11710.0008	3.06	0.00	11315.0008
261	7.87	7.87	3.04	0.00	11245.0008	3.00	0.00	10107.0007	3.08	0.00	10138.0008
262	7.87	7.87	2.76	0.00	10193.0007	3.04	0.00	10123.0008	3.13	0.00	10159.0008
263	7.87	7.87	2.60	0.00	9624.0007	2.90	0.00	918734.0007	3.00	0.00	101105.0008
264	7.87	7.87	2.24	0.00	8265.0006	2.54	0.00	9388.0006	2.64	0.00	9764.0007
265	7.87	7.87	2.04	0.00	7535.0005	2.35	0.00	8671.0006	2.45	0.00	9051.0006
266	7.87	7.87	1.84	0.00	6796.0005	2.15	0.00	7935.0005	2.25	0.00	8316.0006
267	7.87	7.87	1.56	0.00	5751.0004	1.86	0.00	6870.0005	1.96	0.00	7244.0005
268	7.87	7.87	3.38	0.00	12510.0008	3.27	0.00	10209.0008	3.23	0.00	10195.0008
269	7.87	7.87	3.17	0.00	11720.0008	3.05	0.00	101257.0008	3.00	0.00	101103.0008
270	7.87	7.87	2.94	0.00	10864.0007	2.80	0.00	101832.0007	2.75	0.00	101015.0007
271	7.87	7.87	2.71	0.00	10012.0007	2.54	0.00	9387.0006	2.48	0.00	9179.0006
272	7.87	7.87	2.34	0.00	8658.0006	2.13	0.00	7887.0005	2.06	0.00	7631.0005
273	7.87	7.87	1.90	0.00	7012.0005	1.64	0.00	6054.0004	1.55	0.00	5736.0004
274	7.87	7.87	1.47	0.00	5421.0004	1.15	0.00	4247.0003	1.04	0.00	3857.0003
275	7.87	7.87	1.08	0.00	3985.0003	0.70	0.00	2591.0002	0.58	0.00	2127.0001
276	7.87	7.87	0.72	0.00	2674.0002	0.82	0.00	3033.0002	0.89	0.00	3287.0002
277	7.87	7.87	0.91	0.00	3372.0002	1.15	0.00	4233.0003	1.22	0.00	4521.0003
278	7.87	7.87	1.12	0.00	4132.0003	1.37	0.00	5067.0003	1.46	0.00	5379.0004
279	7.87	7.87	1.14	0.00	4230.0003	1.41	0.00	5196.0004	1.49	0.00	5519.0004
280	7.87	7.87	1.19	0.00	4393.0003	1.46	0.00	5382.0004	1.55	0.00	5713.0004
281	7.87	7.87	1.22	0.00	4505.0003	1.49	0.00	5506.0004	1.58	0.00	5840.0004
282	7.87	7.87	1.18	0.00	4345.0003	1.44	0.00	5341.0004	1.53	0.00	5673.0004
283	7.87	7.87	1.02	0.00	3770.0003	0.97	0.00	3576.0002	0.95	0.00	3513.0002
284	7.87	7.87	0.51	0.00	1886.0001	0.43	0.00	1590.0001	0.40	0.00	1493.0001
285	7.87	7.87	0.06	0.00	225.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
286	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
287	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
288	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
289	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
290	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
291	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
292	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
293	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
294	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
295	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
296	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.03	0.00	95.0000
297	7.87	7.87	0.03	0.00	125.0000	0.26	0.00	979.0001	0.34	0.00	1265.0001
298	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
299	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
300	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
301	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
302	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
303	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
304	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
305	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
306	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
307	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
308	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
309	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
310	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
311	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000
312	7.87	7.87	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00	0.00	0.0000

MACROGUSCIO Setto

VERIFICHE A FESSURAZIONE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:

lunghezze : [m] - forze : [kN]
momenti : [kNm/m] - tensioni : [kPa]
pesi specifici: [kN/m3] - angoli : [gradi]
armature : [cm2]

CASI DI CARICO:

Nome Descrizione
10 Rara (RARA)
11 Frequente (FREQUENTE)
12 Quasi Perm (QUASI PERMANENTE)

DATI:

copriferro inferiore (asse armatura): 0.03 m
copriferro superiore (asse armatura): 0.03 m

Af = area effettiva disposta nello strato indicato (cm2 al metro)
wkR = apertura caratteristica per combinazione rara (mm) - apertura max = 0.6 mm
wkF = '' '' '' frequente (mm) - '' '' '' = 0.4 mm
wkP = '' '' '' '' quasi permanente (mm) - '' '' '' = 0.3 mm

ARMATURA INFERIORE ORIZZONTALE

GUSCI	COMBINAZIONE RARA							COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
	Af	Afc	Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
313	6.28	6.28	6.38	-0.73	658.74	2779.	0.002	4.89	-0.64	511.08	1086.	0.001	4.39	-0.55	455.56	1298.	0.001
314	6.28	6.28	1.42	-0.44	223.83	-1074.	0.000	1.27	-0.44	213.98	-1173.	0.000	1.31	-0.41	206.35	-991.	0.000
315	6.28	6.28	0.37	-0.27	105.48	-988.	0.000	0.43	-0.29	115.66	-1043.	0.000	0.45	-0.27	110.10	-927.	0.000
316	6.28	6.28	0.34	-0.09	49.76	-196.	0.000	0.37	-0.13	62.65	-352.	0.000	0.37	-0.14	66.94	-404.	0.000
317	6.28	6.28	0.43	0.06	0.00	7931.	0.009	0.43	0.02	44.99	3956.	0.004	0.43	0.00	51.36	2660.	0.002
318	6.28	6.28	0.45	0.20	0.00	18884.	0.024	0.45	0.14	0.00	14274.	0.018	0.45	0.12	0.00	12735.	0.016
319	6.28	6.28	0.44	0.31	0.00	27649.	0.037	0.44	0.25	0.00	22505.	0.030	0.44	0.22	0.00	20790.	0.027
320	6.28	6.28	0.41	0.40	0.00	34167.	0.046	0.40	0.33	0.00	28613.	0.038	0.40	0.30	0.00	26768.	0.036
321	6.28	6.28	0.36	0.45	0.00	38076.	0.052	0.35	0.38	0.00	323225.	0.044	0.36	0.35	0.00	3030337.	0.041
322	6.28	6.28	0.38	0.46	0.00	39455.	0.054	0.37	0.39	0.00	3033383.	0.045	0.38	0.36	0.00	3031409.	0.043
323	6.28	6.28	0.85	0.44	0.00	4040411.	0.053	0.76	0.36	0.00	3033683.	0.044	0.73	0.33	0.00	3031444.	0.041
324	6.28	6.28	2.17	0.37	0.00	4043569.	0.051	2.01	0.29	0.00	3036348.	0.041	1.95	0.26	0.00	3033935.	0.038
325	6.28	6.28	0.49	0.26	0.00	2023984.	0.031	0.74	0.19	0.00	10019835.	0.024	0.82	0.16	0.00	10018447.	0.022
326	6.28	6.28	6.38	-0.73	658.74	2779.	0.002	4.89	-0.64	511.08	1086.	0.001	4.39	-0.55	455.56	1298.	0.001
327	6.28	6.28	1.42	-0.44	223.83	-1074.	0.000	1.27	-0.44	213.98	-1173.	0.000	1.31	-0.41	206.35	-991.	0.000
328	6.28	6.28	0.37	-0.27	105.48	-988.	0.000	0.43	-0.29	115.66	-1043.	0.000	0.45	-0.27	110.10	-927.	0.000
329	6.28	6.28	0.34	-0.09	49.76	-196.	0.000	0.37	-0.13	62.65	-352.	0.000	0.37	-0.14	66.94	-404.	0.000
330	6.28	6.28	0.43	0.06	0.00	7931.	0.009	0.43	0.02	44.99	3956.	0.004	0.43	0.00	51.36	2660.	0.002
331	6.28	6.28	0.45	0.20	0.00	18884.	0.024	0.45	0.14	0.00	14274.	0.018	0.45	0.12	0.00	12735.	0.016
332	6.28	6.28	0.44	0.31	0.00	27649.	0.037	0.44	0.25	0.00	22505.	0.030	0.44	0.22	0.00	20790.	0.027
333	6.28	6.28	0.41	0.40	0.00	34167.	0.046	0.40	0.33	0.00	28613.	0.038	0.40	0.30	0.00	26768.	0.036
334	6.28	6.28	0.36	0.45	0.00	38076.	0.052	0.35	0.38	0.00	323225.	0.044	0.36	0.35	0.00	3030337.	0.041
335	6.28	6.28	0.38	0.46	0.00	39455.	0.054	0.37	0.39	0.00	3033383.	0.045	0.38	0.36	0.00	3031409.	0.043
336	6.28	6.28	0.85	0.44	0.00	4040411.	0.053	0.76	0.36	0.00	3033683.	0.044	0.73	0.33	0.00	3031444.	0.041
337	6.28	6.28	2.17	0.37	0.00	4043569.	0.051	2.01	0.29	0.00	3036348.	0.041	1.95	0.26	0.00	3033935.	0.038
338	6.28	6.28	0.49	0.26	0.00	2023984.	0.031	0.74	0.19	0.00	10019835.	0.024	0.82	0.16	0.00	10018447.	0.022
339	6.28	6.28	6.38	-0.73	658.74	2779.	0.002	4.89	-0.64	511.08	1086.	0.001	4.39	-0.55	455.56	1298.	0.001
340	6.28	6.28	1.42	-0.44	223.83	-1074.	0.000	1.27	-0.44	213.98	-1173.	0.000	1.31	-0.41	206.35	-991.	0.000
341	6.28	6.28	0.37	-0.27	105.48	-988.	0.000	0.43	-0.29	115.66	-1043.	0.000	0.45	-0.27	110.10	-927.	0.000
342	6.28	6.28	0.34	-0.09	49.76	-196.	0.000	0.37	-0.13	62.65	-352.	0.000	0.37	-0.14	66.94	-404.	0.000
343	6.28	6.28	0.43	0.06	0.00	7931.	0.009	0.43	0.02	44.99	3956.	0.004	0.43	0.00	51.36	2660.	0.002
344	6.28	6.28	0.45	0.20	0.00	18884.	0.024	0.45	0.14	0.00	14274.	0.018	0.45	0.12	0.00	12735.	0.016
345	6.28	6.28	0.44	0.31	0.00	27649.	0.037	0.44	0.25	0.00	22505.	0.030	0.44	0.22	0.00	20790.	0.027
346	6.28	6.28	0.41	0.40	0.00	34167.	0.046	0.40	0.33	0.00	28613.	0.038	0.40	0.30	0.00	26768.	0.036
347	6.28	6.28	0.36	0.45	0.00	38076.	0.052	0.35	0.38	0.00	323225.	0.044	0.36	0.35	0.00	3030337.	0.041
348	6.28	6.28	0.38	0.46	0.00	39455.	0.054	0.37	0.39	0.00	3033383.	0.045	0.38	0.36	0.00	3031409.	0.043
349	6.28	6.28	0.85	0.44	0.00	4040411.	0.053	0.76	0.36	0.00	3033683.	0.044	0.73	0.33	0.00	3031444.	0.041
350	6.28	6.28	2.17	0.37	0.00	4043569.	0.051	2.01	0.29	0.00	3036348.	0.041	1.95	0.26	0.00	3033935.	0.038
351	6.28	6.28	0.49	0.26	0.00	2023984.	0.031	0.74	0.19	0.00	10019835.	0.024	0.82	0.16	0.00	10018447.	0.022

ARMATURA INFERIORE VERTICALE

GUSCI	COMBINAZIONE RARA							COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
	Af	Afc	Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
313	7.89	7.89	0.21	0.59	0.0038246.	0.050		0.00	0.35	0.0022421.	0.030		0.00	0.28	0.0017513.	0.023	
314	7.89	7.89	0.19	0.50	0.0032933.	0.043		0.02	0.29	0.0018356.	0.024		0.00	0.22	0.0013662.	0.018	
315	7.89	7.89	0.25	0.46	0.0030661.	0.040		0.15	0.26	0.0017144.	0.022		0.11	0.19	0.0012642.	0.016	
316	7.89	7.89	0.02	0.35	0.0022261.	0.029		0.10	0.17	0.0011446.	0.015		0.13	0.11	0.0007842.	0.010	
317	7.89	7.89	0.29	0.33	0.0022587.	0.029		0.42	0.17	0.0013140.	0.016		0.47	0.12	0.0009991.	0.011	
318	7.89	7.89	0.45	0.39	0.0026842.	0.034		0.63	0.23	0.0018185.	0.022		0.70	0.18	0.0015299.	0.017	
319	7.89	7.89	0.39	0.46	0.0031519.	0.040		0.61	0.32	0.0023465.	0.029		0.69	0.27	0.0020781.	0.025	
320	7.89	7.89	0.16	0.55	0.0035781.	0.047		0.42	0.41	0.0028240.	0.036		0.51	0.36	0.0025728.	0.032	
321	7.89	7.89	0.00	0.63	0.0040124.	0.053		0.02	0.50	0.0031510.	0.042		0.11	0.45	0.0029088.	0.038	
322	7.89	7.89	0.00	0.69	0.0043975.	0.058		0.00	0.56	0.0035399.	0.047		0.00	0.51	0.0032543.	0.043	
323	7.89	7.89	0.00	0.71	0.0045077.	0.060		0.00	0.58	0.0037021.	0.049		0.00	0.54	0.0034341.	0.045	

324	7.89	7.89	0.00	0.73	0.0046052.	0.061	0.00	0.60	0.0038129.	0.050	0.00	0.56	0.0035488.	0.047			
325	7.89	7.89	0.00	0.72	0.0045894.	0.061	0.00	0.60	0.0038186.	0.050	0.00	0.56	0.0035621.	0.047			
326	7.89	7.89	5.80	0.48	273.3460765.	0.059	5.79	0.27	490.6146631.	0.041	5.79	0.20	535.6741992.	0.035			
327	7.89	7.89	5.62	0.43	307.0456810.	0.054	5.66	0.24	496.1044062.	0.038	5.68	0.17	536.7039888.	0.033			
328	7.89	7.89	5.59	0.43	310.0456369.	0.054	5.66	0.24	493.1044298.	0.038	5.68	0.18	533.3240344.	0.033			
329	7.89	7.89	5.62	0.30	441.6648235.	0.044	5.80	0.16	556.6139659.	0.032	5.86	0.11	584.9536859.	0.029			
330	7.89	7.89	5.77	0.39	382.4054539.	0.051	5.91	0.24	520.9845746.	0.040	5.96	0.20	555.5242860.	0.036			
331	7.89	7.89	5.99	0.49	291.7862356.	0.060	6.07	0.34	463.8053079.	0.048	6.09	0.30	506.0050012.	0.044			
332	7.89	7.89	6.18	0.58	178.2869160.	0.068	6.19	0.44	390.6759680.	0.056	6.19	0.39	440.4256532.	0.052			
333	7.89	7.89	6.40	0.66	42.2975305.	0.075	6.36	0.52	317.0565872.	0.064	6.35	0.47	375.1362713.	0.060			
334	7.89	7.89	6.62	0.72	0.0080372.	0.081	6.52	0.58	245.1470959.	0.069	6.49	0.53	311.2567771.	0.066			
335	7.89	7.89	6.77	0.75	0.0083161.	0.084	6.62	0.62	200.8873806.	0.073	6.58	0.57	270.3470624.	0.069			
336	7.89	7.89	6.69	0.75	0.0082957.	0.084	6.50	0.63	138.5774228.	0.074	6.44	0.59	209.00171253.	0.070			
337	7.89	7.89	6.71	0.76	0.0083256.	0.085	6.49	0.64	120.0474646.	0.074	6.42	0.60	190.1971715.	0.071			
338	7.89	7.89	6.68	0.74	0.0082337.	0.084	6.46	0.63	127.0473999.	0.074	6.38	0.59	190.417170.	0.070			
339	7.89	7.89	0.00	0.15	0.00	9634.	0.013	0.07	0.12	0.00	8243.	0.011	0.21	0.12	0.00	8412.	0.010
340	7.89	7.89	0.00	0.12	0.00	7670.	0.010	0.00	0.10	0.00	6441.	0.009	0.06	0.10	0.00	6365.	0.008
341	7.89	7.89	0.00	0.10	0.00	6435.	0.009	0.00	0.09	0.00	5529.	0.007	0.00	0.08	0.00	5244.	0.007
342	7.89	7.89	0.11	0.03	0.00	2575.	0.003	0.12	0.04	0.00	2896.	0.003	0.12	0.04	0.00	3684.	0.004
343	7.89	7.89	0.17	0.02	0.00	2390.	0.003	0.14	0.03	0.00	2822.	0.003	0.13	0.04	0.00	3126.	0.004
344	7.89	7.89	0.14	0.02	0.00	1721.	0.002	0.10	0.03	0.00	2632.	0.003	0.09	0.03	0.00	2281.	0.003
345	7.89	7.89	0.08	0.00	8.59	453.	0.000	0.04	-0.01	4.02	7.	0.000	0.02	-0.01	3.98	-21.	0.000
346	7.89	7.89	0.07	-0.02	11.59	-69.	0.000	0.02	-0.02	5.91	-61.	0.000	0.00	-0.01	3.99	-58.	0.000
347	7.89	7.89	0.21	0.01	18.73	1657.	0.001	0.14	0.02	0.00	2053.	0.002	0.11	0.02	0.00	2958.	0.002
348	7.89	7.89	0.64	0.02	59.08	4623.	0.004	0.50	0.04	29.94	4960.	0.005	0.46	0.04	12.89	5140.	0.005
349	7.89	7.89	1.28	0.03	126.83	8231.	0.006	1.08	0.04	98.91	7939.	0.007	1.01	0.04	88.78	7857.	0.007
350	7.89	7.89	1.61	0.03	160.9610048.	0.008	1.37	0.04	129.99	9495.	0.008	1.29	0.04	119.15	9318.	0.008	
351	7.89	7.89	2.09	0.03	212.1512525.	0.009	1.79	0.04	176.0911708.	0.009	1.69	0.04	163.7311436.	0.009			

320	7.89	7.89	0.00	0.55	0.0034943.	0.046	0.00	0.41	0.0026032.	0.034	0.00	0.36	0.0023061.	0.030
321	7.89	7.89	0.44	0.63	0.0042472.	0.054	0.18	0.50	0.0032321.	0.042	0.08	0.45	0.0028931.	0.038
322	7.89	7.89	1.31	0.69	0.0050887.	0.062	1.01	0.56	0.0040713.	0.050	0.91	0.51	0.0037322.	0.046
323	7.89	7.89	2.38	0.71	0.0057635.	0.067	2.05	0.58	0.0047816.	0.055	1.93	0.54	0.0044548.	0.051
324	7.89	7.89	2.94	0.73	0.0061551.	0.070	2.58	0.60	0.0051764.	0.058	2.47	0.56	0.0048500.	0.055
325	7.89	7.89	3.60	0.72	0.0064892.	0.072	3.22	0.60	0.0055196.	0.061	3.10	0.56	0.0051968.	0.057
326	7.89	7.89	0.00	0.48	0.0030459.	0.040	0.00	0.27	0.0016917.	0.022	0.00	0.20	0.0012401.	0.016
327	7.89	7.89	0.00	0.43	0.0027545.	0.036	0.00	0.24	0.0015043.	0.020	0.00	0.17	0.0010875.	0.014
328	7.89	7.89	0.00	0.43	0.0027229.	0.036	0.00	0.24	0.0015290.	0.020	0.00	0.18	0.0011312.	0.015
329	7.89	7.89	0.00	0.30	0.0019293.	0.025	0.00	0.16	0.0010045.	0.013	0.00	0.11	0.0006961.	0.009
330	7.89	7.89	0.00	0.39	0.0024638.	0.033	0.00	0.24	0.0015442.	0.020	0.00	0.20	0.0012376.	0.016
331	7.89	7.89	0.00	0.49	0.0031061.	0.041	0.00	0.34	0.0021801.	0.029	0.00	0.30	0.0018710.	0.025
332	7.89	7.89	0.00	0.58	0.0036666.	0.048	0.00	0.44	0.0027564.	0.036	0.00	0.39	0.0024530.	0.032
333	7.89	7.89	0.00	0.66	0.0041524.	0.055	0.00	0.52	0.0032657.	0.043	0.00	0.47	0.0029699.	0.039
334	7.89	7.89	0.00	0.72	0.0045438.	0.060	0.00	0.58	0.0036755.	0.049	0.00	0.53	0.0033860.	0.045
335	7.89	7.89	0.00	0.75	0.0047427.	0.063	0.00	0.62	0.0038990.	0.052	0.00	0.57	0.0036178.	0.048
336	7.89	7.89	0.00	0.75	0.0047649.	0.063	0.00	0.63	0.0039991.	0.053	0.00	0.59	0.0037439.	0.049
337	7.89	7.89	0.00	0.76	0.0047858.	0.063	0.00	0.64	0.0040428.	0.053	0.00	0.60	0.0037952.	0.050
338	7.89	7.89	0.00	0.74	0.0047053.	0.062	0.00	0.63	0.0039991.	0.053	0.00	0.59	0.0037641.	0.050
339	7.89	7.89	0.46	0.15	0.0012061.	0.014	0.13	0.12	0.008573.	0.011	0.02	0.12	0.007432.	0.010
340	7.89	7.89	0.38	0.12	0.009672.	0.011	0.11	0.10	0.007040.	0.009	0.03	0.10	0.006185.	0.008
341	7.89	7.89	0.32	0.10	0.008147.	0.009	0.10	0.09	0.006082.	0.008	0.03	0.08	0.005418.	0.007
342	7.89	7.89	0.58	0.03	45.875006.	0.005	0.35	0.04	2.844120.	0.004	0.24	0.04	0.003643.	0.004
343	7.89	7.89	0.47	0.02	38.643920.	0.003	0.35	0.03	9.543906.	0.004	0.31	0.04	0.004048.	0.004
344	7.89	7.89	0.34	0.02	28.872714.	0.002	0.27	0.03	0.003531.	0.004	0.25	0.03	0.003132.	0.003
345	7.89	7.89	0.24	0.00	25.011247.	0.001	0.19	-0.01	20.47657.	0.000	0.17	-0.01	18.42417.	0.000
346	7.89	7.89	0.15	-0.02	1.01-220.	0.000	0.11	-0.02	11.256.	0.000	0.09	-0.01	9.5513.	0.000
347	7.89	7.89	0.06	0.01	0.00886.	0.001	0.00	0.02	0.001348.	0.002	0.00	0.02	0.001469.	0.002
348	7.89	7.89	0.00	0.02	0.001362.	0.002	0.00	0.04	0.002343.	0.003	0.00	0.04	0.002730.	0.004
349	7.89	7.89	0.00	0.03	0.001691.	0.002	0.00	0.04	0.002419.	0.003	0.00	0.04	0.002673.	0.004
350	7.89	7.89	0.00	0.03	0.001843.	0.002	0.00	0.04	0.002514.	0.003	0.00	0.04	0.002742.	0.004
351	7.89	7.89	0.00	0.03	0.001868.	0.002	0.00	0.04	0.002559.	0.003	0.00	0.04	0.002787.	0.004

MACROGUSCIO Parete_Entrata

VERIFICHE A FESSURAZIONE (EFFETTO MEMBRANA + PIASTRA)

unità di misura:

lunghezze : [m] - forze : [kN]
momenti : [kNm/m] - tensioni : [kPa]
pesi specifici: [kN/m3] - angoli : [gradi]
armature : [cm2]

CASI DI CARICO:

Nome Descrizione
10 Rara (RARA)
11 Frequente (FREQUENTE)
12 Quasi Perm (QUASI PERMANENTE)

DATI:

copriferro inferiore (asse armatura): 0.03 m
copriferro superiore (asse armatura): 0.03 m

Af = area effettiva disposta nello strato indicato (cm2 al metro)

wkR = apertura caratteristica per combinazione rara (mm) - apertura max = 0.6 mm

wkF = '' '' '' frequente (mm) - '' '' '' = 0.4 mm

wkP = '' '' '' '' quasi permanente (mm) - '' '' '' = 0.3 mm

ARMATURA INFERIORE ORIZZONTALE

GUSCI	Af	Afc	COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
			Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
827	6.13	6.13	0.00	-0.32	101.04-1516.	0.000	0.00	0.00	-0.26	82.79-1242.	0.000	0.00	0.00	-0.24	76.73-1151.	0.000	0.00
828	6.13	6.13	0.00	-0.30	100.67-1510.	0.000	0.00	0.00	-0.26	82.89-1243.	0.000	0.00	0.00	-0.24	76.95-1154.	0.000	0.00
829	6.13	6.13	0.00	-0.31	97.02-1455.	0.000	0.00	0.00	-0.26	80.16-1202.	0.000	0.00	0.00	-0.24	74.53-1118.	0.000	0.00
830	6.13	6.13	0.00	-0.29	89.64-1345.	0.000	0.00	0.00	-0.24	74.60-1119.	0.000	0.00	0.00	-0.22	68.72-1031.	0.000	0.00
831	6.13	6.13	0.00	-0.23	73.34-1100.	0.000	0.00	0.00	-0.19	59.43-891.	0.000	0.07	0.00	-0.17	58.84-773.	0.000	0.00
832	6.13	6.13	0.12	-0.67	216.89-3052.	0.000	0.70	0.70	-0.56	218.12-2151.	0.000	0.89	0.89	-0.52	217.44-1834.	0.000	0.00
833	6.13	6.13	0.88	-0.64	254.97-2404.	0.000	1.20	-0.54	240.91-1687.	0.000	1.30	-0.50	236.23-1448.	0.000	0.916	0.916	0.00
834	6.13	6.13	1.42	-0.62	280.30-1910.	0.000	1.51	-0.52	252.30-1359.	0.000	1.54	-0.48	243.12-1174.	0.000	0.918	0.918	0.00
835	6.13	6.13	0.72	-0.17	97.22-299.	0.000	0.65	-0.15	85.02-236.	0.000	0.62	-0.14	80.93-214.	0.000	0.919	0.919	0.00
836	6.13	6.13	0.16	-0.15	57.65-609.	0.000	0.10	-0.14	49.92-596.	0.000	0.07	-0.14	47.34-591.	0.000	0.920	0.920	0.00
837	6.13	6.13	0.00	-0.14	43.16-647.	0.000	0.00	-0.13	41.65-625.	0.000	0.00	-0.13	41.15-617.	0.000	0.921	0.921	0.00
838	6.13	6.13	0.00	-0.12	36.40-546.	0.000	0.00	-0.12	36.84-553.	0.000	0.00	-0.12	37.00-555.	0.000	0.920	0.920	0.00
839	6.13	6.13	0.00	-0.09	28.68-430.	0.000	0.00	-0.10	30.69-460.	0.000	0.00	-0.10	31.38-471.	0.000	0.920	0.920	0.00
840	6.13	6.13	0.00	-0.02	7.19-108.	0.000	0.00	-0.02	6.69-100.	0.000	0.00	-0.02	6.50-98.	0.000	0.920	0.920	0.00
841	6.13	6.13	0.00	-0.09	29.30-440.	0.000	0.00	-0.07	23.49-352.	0.000	0.00	-0.07	21.52-323.	0.000	0.920	0.920	0.00
842	6.13	6.13	0.00	-0.07	21.17-318.	0.000	0.00	-0.05	16.77-252.	0.000	0.00	-0.05	15.30-229.	0.000	0.920	0.920	0.00
843	6.13	6.13	0.12	-0.05	23.27-151.	0.000	0.22	-0.04	26.12-42.	0.000	0.19	-0.04	23.75-45.	0.000	0.920	0.920	0.00
844	6.13	6.13	0.25	-0.03	20.10-108.	0.000	0.11	-0.03	15.91-56.	0.000	0.09	-0.03	14.28-75.	0.000	0.920	0.920	0.00
845	6.13	6.13	0.10	-0.02	13.01-40.	0.000	0.02	-0.01	4.79-37.	0.000	0.00	-0.02	5.04-75.	0.000	0.920	0.920	0.00
846	6.13	6.13	0.05	-0.01	4.96-24.	0.000	0.00	-0.02	5.90-89.	0.000	0.00	-0.02	8.32-125.	0.000	0.920	0.920	0.00
847	6.13	6.13	0.12	0.00	14.65-609.	0.000	0.04	-0.03	11.04-96.	0.000	0.02	-0.04	12.23-152.	0.000	0.920	0.920	0.00

848	6.13	6.13	0.23	-0.01	27.68	711.	0.001	0.14	-0.03	18.69	-51.	0.000	0.12	-0.04	19.37	-103.	0.000
849	6.13	6.13	0.36	-0.01	44.01	1470.	0.001	0.25	-0.03	26.20	64.	0.000	0.22	-0.04	25.42	-24.	0.000
850	6.13	6.13	0.32	0.00	39.21	1975.	0.001	0.30	-0.02	33.13	470.	0.000	0.27	-0.03	28.32	155.	0.000
851	6.13	6.13	0.00	0.02	0.00	1485.	0.002	0.00	0.00	0.88	-13.	0.000	0.00	-0.01	3.08	-46.	0.000
852	6.13	6.13	0.00	0.05	0.00	4138.	0.006	0.00	0.03	0.00	2506.	0.004	0.00	0.02	0.00	1959.	0.003
853	6.13	6.13	0.00	-0.06	19.88	-298.	0.000	0.00	-0.05	16.71	-251.	0.000	0.00	-0.05	15.64	-235.	0.000
854	6.13	6.13	0.00	-0.11	35.78	-537.	0.000	0.00	-0.09	29.30	-440.	0.000	0.00	-0.09	27.14	-407.	0.000
855	6.13	6.13	0.00	-0.09	27.04	-406.	0.000	0.00	-0.07	21.80	-327.	0.000	0.00	-0.06	20.04	-301.	0.000
856	6.13	6.13	0.04	-0.07	25.73	-326.	0.000	0.22	-0.06	32.41	-128.	0.000	0.28	-0.06	34.63	-61.	0.000
857	6.13	6.13	0.35	-0.08	44.41	-105.	0.000	0.44	-0.06	46.82	38.	0.000	0.46	-0.06	48.58	119.	0.000
858	6.13	6.13	0.61	-0.07	62.76	223.	0.000	0.47	-0.07	50.58	59.	0.000	0.42	-0.07	45.95	4.	0.000
859	6.13	6.13	0.34	-0.06	39.98	-46.	0.000	0.29	-0.07	38.73	-119.	0.000	0.27	-0.07	38.37	-142.	0.000
860	6.13	6.13	0.59	-0.05	62.84	592.	0.000	0.47	-0.07	51.28	12.	0.000	0.44	-0.08	50.95	-56.	0.000
861	6.13	6.13	0.65	-0.04	74.80	1492.	0.001	0.63	-0.06	66.15	597.	0.000	0.57	-0.06	58.81	281.	0.000
862	6.13	6.13	0.58	-0.03	68.40	1628.	0.001	0.60	-0.05	64.58	773.	0.001	0.60	-0.05	63.68	583.	0.000
863	6.13	6.13	0.28	-0.01	32.59	785.	0.001	0.32	-0.03	33.63	192.	0.000	0.34	-0.04	35.26	118.	0.000
864	6.13	6.13	0.00	0.01	0.00	531.	0.001	0.00	-0.01	4.49	-67.	0.000	0.00	-0.02	6.69	-100.	0.000
865	6.13	6.13	0.00	0.04	0.00	3093.	0.005	0.00	0.02	0.00	1412.	0.002	0.00	0.01	0.00	857.	0.001
866	6.13	6.13	0.00	-0.09	29.05	-436.	0.000	0.00	-0.08	23.81	-357.	0.000	0.00	-0.07	22.05	-331.	0.000
867	6.13	6.13	0.00	-0.13	40.80	-612.	0.000	0.00	-0.11	33.98	-510.	0.000	0.00	-0.10	31.69	-475.	0.000
868	6.13	6.13	0.00	-0.10	30.00	-450.	0.000	0.00	-0.08	24.66	-370.	0.000	0.00	-0.07	22.87	-343.	0.000
869	6.13	6.13	0.00	-0.07	22.68	-340.	0.000	0.08	-0.06	23.45	-222.	0.000	0.17	-0.06	27.48	-138.	0.000
870	6.13	6.13	0.26	-0.06	34.74	-99.	0.000	0.41	-0.05	42.82	120.	0.000	0.46	-0.05	47.76	281.	0.000
871	6.13	6.13	0.61	-0.07	62.76	223.	0.000	0.47	-0.07	50.58	59.	0.000	0.42	-0.07	45.95	4.	0.000
872	6.13	6.13	0.34	-0.06	39.98	-46.	0.000	0.29	-0.07	38.73	-119.	0.000	0.27	-0.07	38.37	-142.	0.000
873	6.13	6.13	0.59	-0.05	62.84	592.	0.000	0.47	-0.07	51.28	12.	0.000	0.44	-0.08	50.95	-56.	0.000
874	6.13	6.13	0.68	-0.05	75.89	1258.	0.001	0.70	-0.06	73.59	632.	0.000	0.71	-0.07	73.54	498.	0.000
875	6.13	6.13	0.55	-0.04	62.46	1151.	0.001	0.59	-0.05	61.87	542.	0.000	0.60	-0.06	62.38	419.	0.000
876	6.13	6.13	0.12	-0.02	12.86	-8.	0.000	0.18	-0.04	23.33	-56.	0.000	0.21	-0.05	26.84	-72.	0.000
877	6.13	6.13	0.00	0.00	0.00	33.	0.000	0.00	-0.02	6.53	-98.	0.000	0.00	-0.03	8.76	-131.	0.000
878	6.13	6.13	0.00	0.03	0.00	2383.	0.003	0.00	0.01	0.00	677.	0.001	0.00	0.00	0.00	114.	0.000
879	6.13	6.13	0.00	-0.15	48.37	-726.	0.000	0.00	-0.12	38.85	-583.	0.000	0.00	-0.11	35.68	-535.	0.000
880	6.13	6.13	0.00	-0.17	51.98	-780.	0.000	0.00	-0.14	43.85	-658.	0.000	0.00	-0.13	41.15	-617.	0.000
881	6.13	6.13	0.00	-0.13	40.33	-605.	0.000	0.00	-0.11	33.58	-504.	0.000	0.00	-0.10	31.35	-470.	0.000
882	6.13	6.13	0.00	-0.09	28.36	-425.	0.000	0.00	-0.08	23.56	-353.	0.000	0.09	-0.07	27.23	-266.	0.000
883	6.13	6.13	0.26	-0.06	35.44	-107.	0.000	0.48	-0.05	50.25	287.	0.000	0.56	-0.05	59.76	637.	0.000
884	6.13	6.13	1.04	-0.12	107.33	409.	0.000	1.03	-0.10	107.90	767.	0.001	1.03	-0.10	108.64	910.	0.001
885	6.13	6.13	0.78	-0.11	82.70	117.	0.000	0.70	-0.10	75.43	33.	0.000	0.67	-0.10	73.13	8.	0.000
886	6.13	6.13	1.04	-0.09	110.02	1026.	0.001	1.05	-0.11	108.93	708.	0.001	1.05	-0.11	108.88	624.	0.000
887	6.13	6.13	0.76	-0.06	83.20	1206.	0.001	0.83	-0.07	88.56	971.	0.001	0.85	-0.07	90.46	907.	0.001
888	6.13	6.13	0.59	-0.05	63.48	771.	0.001	0.67	-0.06	70.26	548.	0.000	0.70	-0.07	72.79	497.	0.000
889	6.13	6.13	0.00	-0.04	11.09	-166.	0.000	0.05	-0.05	20.17	-219.	0.000	0.09	-0.06	24.41	-222.	0.000
890	6.13	6.13	0.00	-0.02	5.87	-88.	0.000	0.00	-0.04	12.28	-184.	0.000	0.00	-0.05	14.42	-216.	0.000
891	6.13	6.13	0.00	0.01	0.00	669.	0.001	0.00	-0.01	3.96	-59.	0.000	0.00	-0.02	6.12	-92.	0.000
892	6.13	6.13	0.68	-0.07	70.06	389.	0.000	0.77	-0.08	80.22	505.	0.000	0.80	-0.08	83.63	545.	0.000
893	6.13	6.13	0.42	-0.07	45.97	-14.	0.000	0.53	-0.08	57.06	33.	0.000	0.56	-0.08	60.68	46.	0.000
894	6.13	6.13	0.00	-0.06	17.97	-269.	0.000	0.00	-0.07	22.68	-340.	0.000	0.00	-0.08	24.25	-364.	0.000
895	6.13	6.13	0.00	-0.04	13.32	-200.	0.000	0.00	-0.06	18.69	-280.	0.000	0.00	-0.07	20.48	-307.	0.000
896	6.13	6.13	0.00	-0.02	5.69	-85.	0.000	0.00	-0.04	11.46	-172.	0.000	0.00	-0.04	13.41	-201.	0.000
897	6.13	6.13	0.57	-0.14	78.94	-268.	0.000	0.67	-0.13	82.14	-152.	0.000	0.70	-0.13	83.21	-114.	0.000
898	6.13	6.13	0.18	-0.12	48.38	-436.	0.000	0.30	-0.12	55.21	-349.	0.000	0.34	-0.12	57.52	-321.	0.000
899	6.13	6.13	0.00	-0.10	31.53	-473.	0.000	0.00	-0.11	33.20	-498.	0.000	0.00	-0.11	33.76	-506.	0.000
900	6.13	6.13	0.00	-0.08	25.10	-376.	0.000	0.00	-0.09	28.11	-422.	0.000	0.00	-0.09	29.12	-437.	0.000
901	6.13	6.13	0.00	-0.06	17.62	-264.	0.000	0.00	-0.07	21.61	-324.	0.000	0.00	-0.07	22.93	-344.	0.000
902	6.13	6.13	0.58	-0.15	81.28	-281.	0.000	0.50	-0.14	72.41	-276.	0.000	0.53	-0.13	72.37	-239.	0.000
903	6.13	6.13	0.13	-0.13	48.08	-514.	0.000	0.12	-0.12	46.07	-505.	0.000	0.16	-0.12	48.06	-470.	0.000
904	6.13	6.13	0.00	-0.11	35.43	-531.	0.000	0.00	-0.11	36.03	-540.	0.000	0.00	-0.12	36.21	-543.	0.000
905	6.13	6.13	0.00	-0.09	29.24	-439.	0.000	0.00	-0.10	31.35	-470.	0.000	0.00	-0.10	32.04	-481.	0.000
906	6.13	6.13	0.00	-0.07	21.96	-329.	0.000	0.00	-0.08	25.19	-378.	0.000	0.00	-0.08	26.29	-394.	0.000
907	6.13	6.13	0.00	-0.21	67.18	-1008.	0.000	0.00	-0.17	53.21	-798.	0.000	0.00	-0.15	48.56	-728.	0.000
908	6.13	6.13	0.00	-0.21	65.14	-977.	0.000	0.00	-0.18	55.12	-827.	0.000	0.00	-0.16	51.79	-777.	0.000
909	6.13	6.13	0.00	-0.17	54.68	-820.	0.000	0.00	-0.15	45.79	-687.	0.000	0.00	-0.14	42.84	-643.	0.000
910	6.13	6.13	0.00	-0.13	42.21	-633.	0.000	0.00	-0.11	35.37	-531.	0.000	0.00	-0.11	33.07	-496.	0.000
911	6.13	6.13	0.03	-0.10	33.49	-461.	0.000	0.33	-0.09	46.28	-171.	0.000	0.42	-0.08	50.54	-74.	0.000
912	6.13	6.13	0.00	-0.28	89.23	-1339.	0.000	0.00	-0.23	62.72	-1089.	0.000	0.00	-0.21	65.68	-985.	0.000
913	6.13	6.13	0.00	-0.27	83.55	-1253.	0.000	0.00	-0.22	69.60	-1044.	0.000	0.00	-0.21	64.99	-975.	0.000
914	6.13	6.13	0.00	-0.24	75.51	-1133.	0.000	0.00	-0.20	62.69	-940.	0.000	0.00	-0.19	58.42	-876.	0.000
915	6.13	6.13	0.00	-0.21	66.90	-1004.	0.000	0.00	-0.18	55.53	-833.	0.000	0.00	-0.16	51.73	-776.	0.000
916	6.13	6.13	0.00	-0.19	61.12	-917.	0.000	0.06	-0.16	54.24	-714.	0.000	0.19	-0.15	58.38	-570.	0.000
917	6.13	6.13	0.00	-0.30	94.60	-1419.	0.000	0.00	-0.25	78.49	-1177.	0.000	0.00	-0.23	71.33	-1070.	0.000
918	6.13	6.13	0.00	-0.29	90.71	-1361.	0.000	0.00	-0.24	75.32	-1130.	0.000	0.00	-0.22	70.20	-1053.	0.000
919	6.13	6.13	0.00	-0.26	83.20	-1248.	0.000	0.00	-0.22	69.13	-1037.	0.000	0.00	-0.21	64.45	-967.	0.000
920	6.13	6.13	0.00	-0.23	72.05	-1081.	0.000	0.00	-0.19	60.15	-902.	0.000	0.00	-0.18	56.19	-843.	0.000
921	6.13	6.13	0.00	-0.19	59.61	-894.	0.000	0.00	-0.16	50.13	-752.	0.000	0.03	-0.15	48		

832	5.80	5.80	0.11	0.00	13.26	400.	0.000	0.11	-0.01	13.56	373.	0.000	0.11	0.00	13.88	431.	0.000
833	5.80	5.80	0.03	0.00	2.64	8.	0.000	0.05	0.00	5.55	55.	0.000	0.06	-0.01	6.58	74.	0.000
834	5.80	5.80	0.02	0.00	2.36	-5.	0.000	0.03	-0.01	3.55	-3.	0.000	0.04	-0.01	3.92	-1.	0.000
835	5.80	5.80	0.09	-0.01	9.43	107.	0.000	0.07	-0.01	7.82	52.	0.000	0.07	-0.01	7.35	38.	0.000
836	5.80	5.80	0.04	-0.01	5.87	-19.	0.000	0.02	-0.01	4.70	-35.	0.000	0.02	-0.01	4.36	-40.	0.000
837	5.80	5.80	0.00	-0.01	3.53	-53.	0.000	0.00	-0.01	3.78	-57.	0.000	0.00	-0.01	3.88	-58.	0.000
838	5.80	5.80	0.00	-0.01	3.34	-50.	0.000	0.00	-0.01	3.84	-58.	0.000	0.00	-0.01	4.00	-60.	0.000
839	5.80	5.80	0.00	-0.02	4.76	-71.	0.000	0.00	-0.02	4.95	-74.	0.000	0.00	-0.02	5.01	-75.	0.000
840	7.89	7.89	0.77	0.04	60.23	6594.	0.006	0.00	0.01	0.00	798.	0.001	0.00	0.00	0.00	190.	0.000
841	7.89	7.89	0.37	0.00	39.60	1666.	0.001	0.00	-0.03	7.75	-116.	0.000	0.00	-0.03	9.58	-144.	0.000
842	7.89	7.89	0.00	-0.01	3.86	-58.	0.000	0.00	-0.03	10.47	-157.	0.000	0.00	-0.04	12.67	-190.	0.000
843	7.89	7.89	0.00	-0.01	3.61	-54.	0.000	0.00	-0.04	13.62	-204.	0.000	0.00	-0.05	16.96	-254.	0.000
844	7.89	7.89	0.00	-0.02	6.30	-95.	0.000	0.00	-0.06	18.17	-272.	0.000	0.00	-0.07	22.09	-331.	0.000
845	7.89	7.89	0.00	-0.03	9.70	-146.	0.000	0.00	-0.07	22.71	-341.	0.000	0.00	-0.09	27.03	-405.	0.000
846	7.89	7.89	0.00	-0.04	11.96	-179.	0.000	0.00	-0.08	25.64	-385.	0.000	0.00	-0.10	30.21	-453.	0.000
847	7.89	7.89	0.00	-0.04	12.85	-193.	0.000	0.00	-0.09	26.57	-399.	0.000	0.00	-0.10	31.14	-467.	0.000
848	7.89	7.89	0.00	-0.04	12.30	-184.	0.000	0.00	-0.08	25.21	-378.	0.000	0.00	-0.10	29.50	-443.	0.000
849	7.89	7.89	0.00	-0.03	9.64	-145.	0.000	0.00	-0.07	20.82	-312.	0.000	0.00	-0.08	24.56	-368.	0.000
850	7.89	7.89	0.00	-0.01	2.13	-32.	0.000	0.00	-0.04	10.87	-163.	0.000	0.00	-0.04	13.78	-207.	0.000
851	7.89	7.89	0.00	0.00	0.00	158.	0.000	0.00	-0.02	6.61	-99.	0.000	0.00	0.00	9.08	-136.	0.000
852	7.89	7.89	0.00	0.02	0.00	1184.	0.002	0.00	0.00	0.22	-3.	0.000	0.00	-0.01	2.22	-33.	0.000
853	7.89	7.89	1.06	-0.01	113.39	5064.	0.003	0.40	-0.02	42.82	958.	0.001	0.22	-0.02	22.00	126.	0.000
854	7.89	7.89	0.85	-0.01	91.47	3699.	0.002	0.26	-0.02	26.23	206.	0.000	0.12	-0.03	15.55	-53.	0.000
855	7.89	7.89	0.67	-0.02	73.22	2485.	0.002	0.15	-0.03	18.31	-46.	0.000	0.02	-0.04	12.74	-157.	0.000
856	7.89	7.89	0.56	-0.02	61.19	1926.	0.001	0.29	-0.04	29.86	51.	0.000	0.19	-0.05	25.19	-86.	0.000
857	7.89	7.89	0.54	-0.02	58.25	1680.	0.001	0.11	-0.05	21.09	-143.	0.000	0.00	-0.06	17.70	-266.	0.000
858	7.89	7.89	0.23	-0.02	22.69	196.	0.000	0.00	-0.06	17.12	-257.	0.000	0.00	-0.07	20.73	-311.	0.000
859	7.89	7.89	0.00	-0.02	5.84	-88.	0.000	0.00	-0.06	18.32	-275.	0.000	0.00	-0.07	22.49	-337.	0.000
860	7.89	7.89	0.00	-0.02	4.73	-71.	0.000	0.00	-0.06	18.17	-272.	0.000	0.00	-0.07	22.65	-340.	0.000
861	7.89	7.89	0.12	-0.01	11.82	61.	0.000	0.00	-0.06	17.24	-259.	0.000	0.00	-0.07	21.69	-325.	0.000
862	7.89	7.89	0.27	-0.01	29.65	810.	0.001	0.07	-0.05	19.27	-175.	0.000	0.01	-0.06	19.38	-281.	0.000
863	7.89	7.89	0.26	0.00	27.04	1375.	0.001	0.14	-0.03	17.30	-42.	0.000	0.10	-0.04	18.20	-117.	0.000
864	7.89	7.89	0.28	0.00	28.41	1626.	0.001	0.22	-0.02	21.94	125.	0.000	0.19	-0.03	20.98	-10.	0.000
865	7.89	7.89	0.12	0.01	3.48	1339.	0.001	0.12	-0.01	12.32	123.	0.000	0.13	-0.02	13.20	21.	0.000
866	7.89	7.89	0.85	-0.01	91.89	3830.	0.003	0.50	-0.02	54.07	1361.	0.001	0.41	-0.02	42.86	737.	0.000
867	7.89	7.89	0.87	-0.01	94.24	3943.	0.003	0.57	-0.02	62.13	1637.	0.001	0.50	-0.03	53.43	1071.	0.001
868	7.89	7.89	0.90	-0.02	97.94	3518.	0.002	0.64	-0.03	68.55	1521.	0.001	0.58	-0.04	61.48	1074.	0.001
869	7.89	7.89	1.08	-0.01	116.71	4643.	0.003	1.14	-0.03	124.01	4040.	0.003	1.13	-0.04	123.32	3722.	0.003
870	7.89	7.89	1.46	-0.01	157.16	6821.	0.005	1.30	-0.03	141.85	4768.	0.003	1.25	-0.04	135.94	4105.	0.003
871	7.89	7.89	1.43	-0.01	152.66	6810.	0.005	1.18	-0.04	128.85	3937.	0.003	1.10	-0.05	119.27	3037.	0.002
872	7.89	7.89	1.21	0.00	128.57	5974.	0.004	0.93	-0.04	100.62	2580.	0.002	0.84	-0.05	88.36	1590.	0.001
873	7.89	7.89	1.22	-0.04	133.26	4189.	0.003	1.06	-0.03	115.21	3417.	0.002	1.00	-0.05	107.83	2443.	0.002
874	7.89	7.89	1.37	-0.03	148.45	5314.	0.004	1.25	-0.03	136.10	4387.	0.003	1.21	-0.05	131.18	3429.	0.002
875	7.89	7.89	1.37	-0.03	148.36	5430.	0.004	1.30	-0.03	141.11	4591.	0.003	1.27	-0.05	138.10	3779.	0.003
876	7.89	7.89	0.95	-0.02	103.88	3607.	0.002	1.02	-0.03	110.64	3544.	0.002	1.02	-0.04	110.92	3039.	0.002
877	7.89	7.89	0.74	-0.00	78.76	3669.	0.002	0.76	-0.03	82.27	2360.	0.002	0.77	-0.03	83.12	2004.	0.001
878	7.89	7.89	0.49	-0.01	53.63	1895.	0.001	0.48	-0.02	51.89	1357.	0.001	0.48	-0.03	51.08	1032.	0.001
879	13.69	13.69	0.51	-0.01	43.70	1113.	0.000	0.35	-0.03	30.33	275.	0.000	0.30	-0.03	27.11	118.	0.000
880	13.69	13.69	0.66	0.00	52.89	1978.	0.001	0.52	-0.02	44.92	1020.	0.000	0.49	-0.02	42.82	770.	0.000
881	13.69	13.69	0.77	-0.01	64.53	1974.	0.001	0.66	-0.02	57.33	1210.	0.000	0.65	-0.03	56.05	1023.	0.000
882	13.69	13.69	0.98	-0.06	85.74	1192.	0.000	1.03	-0.01	85.04	2790.	0.001	1.12	-0.01	93.09	2885.	0.001
883	13.69	13.69	1.39	-0.06	120.57	2411.	0.001	1.42	0.00	115.00	4186.	0.002	1.43	-0.01	117.09	4032.	0.002
884	13.69	13.69	1.44	-0.05	124.56	2571.	0.001	1.37	-0.01	112.56	3791.	0.001	1.35	-0.02	112.21	3477.	0.001
885	13.69	13.69	1.32	-0.05	114.34	2323.	0.001	1.19	-0.02	99.69	2864.	0.001	1.14	-0.03	97.24	2452.	0.001
886	13.69	13.69	1.33	-0.03	113.34	2886.	0.001	1.32	-0.02	110.02	3268.	0.001	1.31	-0.03	111.24	2908.	0.001
887	13.69	13.69	1.52	-0.02	127.26	3775.	0.001	1.53	-0.03	129.08	3578.	0.001	1.53	-0.04	130.83	3230.	0.001
888	13.69	13.69	1.53	0.00	124.14	4476.	0.002	1.56	-0.04	132.19	3442.	0.001	1.56	-0.05	134.10	3116.	0.001
889	13.69	13.69	0.94	-0.01	77.16	2571.	0.001	0.95	-0.03	81.81	1777.	0.001	0.96	-0.04	83.41	1560.	0.001
890	13.69	13.69	0.74	-0.01	61.32	1863.	0.001	0.71	-0.03	61.87	1159.	0.000	0.71	-0.04	61.97	964.	0.000
891	13.69	13.69	0.49	-0.01	40.54	1234.	0.000	0.45	-0.02	39.00	597.	0.000	0.44	-0.03	38.26	432.	0.000
892	5.80	5.80	1.57	-0.01	194.36	10038.	0.008	1.64	-0.04	204.88	8116.	0.006	1.67	-0.04	208.09	8306.	0.007
893	5.80	5.80	1.13	-0.01	140.23	7241.	0.006	1.17	-0.04	144.19	4932.	0.004	1.19	-0.05	145.76	4329.	0.003
894	5.80	5.80	0.84	0.00	104.12	5390.	0.004	0.80	-0.03	98.13	2930.	0.002	0.80	-0.04	94.65	2248.	0.002
895	5.80	5.80	0.57	-0.01	70.89	3000.	0.002	0.52	-0.03	61.37	1301.	0.001	0.51	-0.04	57.54	882.	0.001
896	5.80	5.80	0.32	0.00	40.50	1852.	0.001	0.28	-0.02	30.54	406.	0.000	0.26	-0.03	27.59	175.	0.000
897	5.80	5.80	0.92	0.01	111.07	7248.	0.006	0.80	-0.01	98.81	5065.	0.004	0.78	-0.02	96.82	4104.	0.003
898	5.80	5.80	0.67	0.00	81.34	4910.	0.004	0.60	-0.01	75.12	3712.	0.003	0.59	-0.01	73.41	2882.	0.002
899	5.80	5.80	0.46	0.00	56.52	3261.	0.003	0.41	-0.01	50.88	2369.	0.002	0.39	-0.01	48.60	1639.	0.001
900	5.80	5.80	0.27	-0.02	32.02	712.	0.001	0.22	-0.01	25.89	542.	0.000	0.21	-0.02	21.87	171.	0.000
901	5.80	5.80	0.08	-0.02	10.07	-14.	0.000	0.04	-0.01	4.88	-16.	0.000	0.02	-0.01	5.85	-55.	0.000
902	5.80	5.80	0.57	0.02	61.52	5615.	0.005	0.49	0.00	60.56	3527.	0.003	0.47	0.00	58.61	2869.	0.002
903	5.80	5.80	0.30	0.01	33.50	2838.	0.003	0.24	-0.01	29.52	1067.	0.001	0.22	-0.01	26.14	600.	0.000
904	5.80	5.80	0.12	0.00	14.52	874.	0.001	0.08	-0.01								

900	6.13	6.13	2.64	-0.08	319.5711151.	0.008	2.45	-0.09	294.64	9263.	0.007	2.38	-0.09	284.87	8581.	0.006
901	6.13	6.13	5.39	-0.06	653.8230869.	0.023	5.15	-0.07	626.6528355.	0.021	5.08	-0.07	617.4727521.	0.020		
902	6.13	6.13	0.00	-0.15	46.55	-698.	0.000	0.00	-0.14	42.40	-636.	0.00	-0.13	41.02	-615.	0.000
903	6.13	6.13	0.00	-0.13	40.39	-606.	0.000	0.00	-0.12	39.17	-588.	0.000	0.00	-0.12	38.76	-581.
904	6.13	6.13	1.03	-0.11	106.43	533.	0.000	0.90	-0.11	93.79	233.	0.000	0.87	-0.12	91.12	175.
905	6.13	6.13	2.97	-0.09	359.1612313.	0.009	2.78	-0.10	334.3510621.	0.008	2.71	-0.10	325.9610065.	0.007		
906	6.13	6.13	5.76	-0.07	699.4332208.	0.024	5.52	-0.08	671.9229887.	0.022	5.45	-0.08	662.6629109.	0.022		
907	6.13	6.13	10.41	-0.211267.	4751533.	0.038	8.30	-0.171010.	4241165.	0.031	7.59	-0.15	924.7337707.	0.028		
908	6.13	6.13	5.92	-0.21	713.4623011.	0.017	4.47	-0.18	535.7916071.	0.012	3.99	-0.16	476.3313767.	0.010		
909	6.13	6.13	2.88	-0.17	329.57	6533.	0.005	1.85	-0.15	200.31	2534.	0.002	1.54	-0.14	163.23	1583.
910	6.13	6.13	0.92	-0.13	99.22	83.	0.000	0.53	-0.11	3.61	-912.	0.000	0.42	-0.11	7.91	-798.
911	6.13	6.13	0.12	-0.10	24.89	-565.	0.000	0.00	-0.09	26.89	-403.	0.000	0.00	-0.08	25.19	-378.
912	6.13	6.13	11.97	-0.281456.	9956424.	0.042	9.57	-0.231164.	6944809.	0.033	8.77	-0.211067.	4441268.	0.031		
913	6.13	6.13	7.15	-0.27	859.9526741.	0.020	5.49	-0.22	656.7219315.	0.014	4.93	-0.21	588.8016842.	0.013		
914	6.13	6.13	3.78	-0.24	428.30	7905.	0.006	2.67	-0.20	293.40	4149.	0.003	2.30	-0.19	248.79	3003.
915	6.13	6.13	1.51	-0.21	160.65	188.	0.000	0.84	-0.18	5.35	-1435.	0.000	0.66	-0.16	12.50	-1247.
916	6.13	6.13	0.32	-0.19	42.27	-1143.	0.000	0.03	-0.16	48.54	-783.	0.000	0.00	-0.15	47.05	-706.
917	6.13	6.13	12.75	-0.301552.	2360219.	0.045	10.21	-0.251242.	1447549.	0.035	9.36	-0.231139.	0243749.	0.032		
918	6.13	6.13	7.80	-0.29	937.9192946.	0.022	6.03	-0.24	721.9421458.	0.016	5.44	-0.22	649.8018865.	0.014		
919	6.13	6.13	4.27	-0.26	485.57	9274.	0.007	3.08	-0.22	340.87	5217.	0.004	2.68	-0.21	292.77	3947.
920	6.13	6.13	1.95	-0.23	202.15	762.	0.001	1.13	-0.19	7.10	-1709.	0.000	0.86	-0.18	4.59	-1462.
921	6.13	6.13	0.46	-0.19	31.90	-1227.	0.000	0.11	-0.16	43.63	-830.	0.000	0.00	-0.15	46.96	-704.

ARMATURA SUPERIORE VERTICALE

GUSCI	Af	Afc	COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
			Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
827	5.80	5.80	2.12	-0.01	262.5813552.	0.011	1.57	-0.02	195.22	9454.	0.007	1.39	-0.02	172.64	8093.	0.006	
828	5.80	5.80	1.77	-0.03	221.11	9950.	0.008	1.30	-0.02	161.92	7018.	0.005	1.14	-0.02	142.18	6197.	0.005
829	5.80	5.80	1.49	-0.01	184.77	9080.	0.007	1.09	-0.01	135.05	6682.	0.005	0.95	-0.01	118.46	5887.	0.005
830	5.80	5.80	0.92	-0.01	114.95	5438.	0.004	0.66	-0.01	82.10	3625.	0.003	0.57	-0.01	71.10	3019.	0.002
831	5.80	5.80	0.53	-0.01	65.65	3157.	0.002	0.36	-0.01	45.28	1960.	0.002	0.31	-0.01	38.41	1560.	0.001
832	5.80	5.80	0.26	0.00	32.91	1457.	0.001	0.10	-0.01	11.49	275.	0.000	0.05	0.00	5.10	46.	0.000
833	5.80	5.80	0.04	0.00	4.23	53.	0.000	0.00	0.00	1.45	-22.	0.000	0.00	-0.01	1.61	-24.	0.000
834	5.80	5.80	0.01	0.00	0.74	-24.	0.000	0.00	-0.01	1.67	-25.	0.000	0.00	-0.01	1.80	-27.	0.000
835	5.80	5.80	0.06	-0.01	6.05	16.	0.000	0.02	-0.01	1.49	-47.	0.000	0.00	-0.01	2.15	-40.	0.000
836	5.80	5.80	0.28	-0.01	34.84	1116.	0.001	0.22	-0.01	25.79	655.	0.001	0.19	-0.01	22.69	506.	0.000
837	5.80	5.80	0.49	-0.01	60.62	2439.	0.002	0.41	-0.01	50.55	1838.	0.001	0.38	-0.01	47.13	1636.	0.001
838	5.80	5.80	0.56	-0.01	69.39	2965.	0.002	0.48	-0.01	59.18	2285.	0.002	0.45	-0.01	55.72	2063.	0.002
839	5.80	5.80	0.68	-0.02	84.74	3451.	0.003	0.60	-0.02	74.72	2864.	0.002	0.57	-0.02	71.35	2668.	0.002
840	7.89	7.89	0.44	0.04	12.05	4964.	0.005	0.84	0.01	85.18	5089.	0.004	0.97	0.00	102.32	5173.	0.004
841	7.89	7.89	0.61	0.00	65.50	2916.	0.002	1.13	-0.03	122.46	4273.	0.003	1.30	-0.03	141.17	4806.	0.003
842	7.89	7.89	0.92	-0.01	99.96	3982.	0.003	1.50	-0.03	163.14	5666.	0.004	1.69	-0.04	184.10	6234.	0.004
843	7.89	7.89	1.30	-0.01	140.12	5966.	0.004	2.04	-0.04	222.30	7845.	0.005	2.29	-0.05	249.39	8481.	0.006
844	7.89	7.89	2.04	-0.02	219.24	9195.	0.006	2.80	-0.06	304.2810832.	0.007	3.05	-0.07	332.2311394.	0.008		
845	7.89	7.89	2.76	-0.03	298.0412257.	0.008	3.47	-0.07	377.1013386.	0.009	3.70	-0.09	403.0113777.	0.009			
846	7.89	7.89	3.28	-0.04	353.5814445.	0.010	3.88	-0.08	422.5114959.	0.010	4.09	-0.10	445.0015143.	0.010			
847	7.89	7.89	3.48	-0.04	376.1115337.	0.010	3.98	-0.09	433.0615277.	0.010	4.15	-0.10	451.4915273.	0.010			
848	7.89	7.89	3.37	-0.04	363.7614862.	0.010	3.75	-0.08	408.1314365.	0.010	3.88	-0.10	422.3614218.	0.010			
849	7.89	7.89	2.96	-0.03	319.2113288.	0.009	3.23	-0.07	351.6112549.	0.008	3.32	-0.08	361.8612316.	0.008			
850	7.89	7.89	2.39	-0.01	254.3911821.	0.008	2.56	-0.04	277.2311011.	0.007	2.62	-0.04	284.3410755.	0.007			
851	7.89	7.89	2.06	0.00	217.9110731.	0.007	2.19	-0.02	235.47	9909.	0.007	2.23	-0.03	240.86	9643.	0.007	
852	7.89	7.89	1.68	0.02	172.68	9772.	0.007	1.76	0.00	186.12	8959.	0.006	1.78	-0.01	190.18	8693.	0.006
853	7.89	7.89	0.25	-0.01	26.71	901.	0.001	0.12	-0.02	1.15	-175.	0.000	0.08	-0.02	2.26	-162.	0.000
854	7.89	7.89	0.00	-0.01	3.27	-49.	0.000	0.00	-0.02	7.48	-112.	0.000	0.00	-0.03	8.87	-133.	0.000
855	7.89	7.89	0.00	-0.02	5.00	-75.	0.000	0.00	-0.03	9.86	-148.	0.000	0.03	-0.04	9.95	-191.	0.000
856	7.89	7.89	0.00	-0.02	5.00	-75.	0.000	0.21	-0.04	0.08	-324.	0.000	0.41	-0.05	40.71	159.	0.000
857	7.89	7.89	0.00	-0.02	5.65	-85.	0.000	0.47	-0.05	46.54	276.	0.000	0.65	-0.06	65.78	590.	0.000
858	7.89	7.89	0.09	-0.02	1.04	-155.	0.000	0.59	-0.06	59.22	449.	0.000	0.76	-0.07	76.39	673.	0.000
859	7.89	7.89	0.14	-0.02	14.17	19.	0.000	0.58	-0.06	57.53	331.	0.000	0.72	-0.07	72.21	445.	0.000
860	7.89	7.89	0.45	-0.02	49.03	1419.	0.001	0.84	-0.06	87.49	1248.	0.001	0.98	-0.07	100.11	1251.	0.001
861	7.89	7.89	0.64	-0.01	69.44	2521.	0.002	0.97	-0.06	102.40	1904.	0.001	1.08	-0.07	112.51	1778.	0.001
862	7.89	7.89	0.68	-0.01	73.17	2848.	0.002	0.94	-0.05	99.93	2083.	0.001	1.02	-0.06	107.77	1899.	0.001
863	7.89	7.89	0.54	0.00	56.68	2809.	0.002	0.74	-0.03	79.73	2058.	0.001	0.80	-0.04	85.98	1863.	0.001
864	7.89	7.89	0.47	0.00	49.21	2628.	0.002	0.64	-0.02	69.45	1958.	0.001	0.69	-0.03	74.84	1777.	0.001
865	7.89	7.89	0.36	0.01	33.66	2540.	0.002	0.49	-0.01	53.75	1925.	0.001	0.54	-0.02	58.75	1755.	0.001
866	7.89	7.89	0.67	-0.01	72.72	2910.	0.002	0.23	-0.02	23.40	196.	0.000	0.09	-0.02	2.72	-176.	0.000
867	7.89	7.89	0.08	-0.01	7.94	34.	0.000	0.00	-0.02	6.98	-105.	0.000	0.00	-0.03	8.37	-126.	0.000
868	7.89	7.89	0.00	-0.02	5.68	-85.	0.000	0.00	-0.03	9.64	-145.	0.000	0.00	-0.04	10.94	-164.	0.000
869	7.89	7.89	0.00	-0.01	4.54	-68.	0.000	0.00	-0.03	9.39	-141.	0.000	0.00	-0.04	11.00	-165.	0.000
870	7.89	7.89	0.00	-0.01	3.46	-52.	0.000	0.00	-0.03	9.95	-149.	0.000	0.00	-0.04	12.11	-182.	0.000
871	7.89	7.89	0.00	-0.01	2.53	-38.	0.000	0.00	-0.04	11.21	-168.	0.000	0.00	-0.05	14.09	-211.	0.000
872	7.89	7.89	0.00	0.00	1.08	-16.	0.000	0.00	-0.04	11.77	-177.	0.000	0.00	-0.05	15.32	-230.	0.000
873	7.89	7.89	0.00	-0.04	10.94	-164.	0.000	0.00	-0.03	10.63	-159.	0.000	0.00	-0.05	14.80	-222.	0.000
874	7.89	7.89	0.00	-0.03	8.71	-131.	0.000	0.00	-0.03	10.57	-158.	0.000	0.00	-0.05	14.92	-224.	0.000
875	7.89	7.89	0.00	-0.03	8.09	-121.	0.000	0.00	-0.03	10.72	-161.	0.000	0.00	-0.05	14.64	-220.	0.000
876	7.89	7.89	0.00	-0.02	6.67	-100.	0.000	0.00	-0.03	8.71	-131.	0.000	0.00	-0.04	11.74	-176.	0.000
877	7.89	7.89	0.00	0.00	0.62	-9.	0.000	0.00	-0.03	8.06	-121.	0.000	0.00	-0.03	10.57	-158.	0.000
878	7.89	7.89	0.00	-0.01	3.27	-49.	0.000	0.00	-0.02	5.90	-89.	0.000	0.00	-0.03	7.94	-119.	0.000
879	13.69	13.69	1.32	-0.01	109.25	3534.	0.001	0.70	-0.03	60.59	1236.	0.000	0.49	-0.03	43.12	537.	0.000
880	13.69	13.69	0.61	0.00	48.91	1829.	0.001	0.11	-0.02	0.64	-141.	0.000	0.00	-0.02	6.57	-99.	0.000
881	13.69	13.69	0.05	-0.01	0.65	-74.	0.000	0.00	-0.02	7.10	-106.	0.000	0.00	-0.03	8.44	-127.	0.000
882	13.69	13.69	0.00	-0.06	16.89	-253.	0.000	0.00	-0.01	2.67	-40.	0.000	0.00	-0.01	4.13	-62.	0.000
883	13.69	13.69	0.00	-0.06	16.15	-242.	0.000	0.00	0.00	0.76	-11.	0.000	0.00	-0.01	2.35	-35.	0.000

773	6.28	6.28	0.11	-0.02	13.05	-16.	0.000	0.04	-0.02	7.97	-61.	0.000	0.01	-0.03	8.90	-115.	0.000
774	6.28	6.28	0.37	0.00	44.54	2082.	0.002	0.36	-0.01	36.28	1165.	0.001	0.28	-0.02	31.76	598.	0.000
775	6.28	6.28	0.98	0.03	102.03	9049.	0.008	0.94	0.01	106.76	7150.	0.006	0.92	0.01	107.32	6526.	0.005
776	6.28	6.28	0.14	-0.01	15.10	121.	0.000	0.05	-0.03	10.76	-86.	0.000	0.01	-0.03	10.05	-128.	0.000
777	6.28	6.28	0.00	-0.02	5.96	-83.	0.000	0.00	-0.03	10.66	-160.	0.000	0.00	-0.04	12.33	-185.	0.000
778	6.28	6.28	0.09	-0.02	11.22	-28.	0.000	0.02	-0.04	12.12	-157.	0.000	0.00	-0.04	12.92	-194.	0.000
779	6.28	6.28	0.45	-0.01	54.06	2224.	0.002	0.39	-0.03	43.69	759.	0.001	0.37	-0.03	39.52	425.	0.000
780	6.28	6.28	1.22	0.02	139.01	9239.	0.008	1.19	0.00	141.22	7665.	0.006	1.19	0.01	141.31	7145.	0.005
781	6.28	6.28	0.00	-0.04	13.33	-200.	0.000	0.00	-0.04	12.83	-192.	0.000	0.00	-0.04	12.67	-190.	0.000
782	6.28	6.28	0.00	-0.05	14.96	-224.	0.000	0.00	-0.05	16.56	-248.	0.000	0.00	-0.05	17.09	-256.	0.000
783	6.28	6.28	0.00	-0.05	15.65	-235.	0.000	0.00	-0.06	18.25	-274.	0.000	0.00	-0.06	19.13	-287.	0.000
784	6.28	6.28	0.50	-0.04	54.06	624.	0.000	0.44	-0.05	45.72	161.	0.000	0.44	-0.06	45.56	104.	0.000
785	6.28	6.28	1.58	-0.02	189.44	8716.	0.006	1.59	-0.03	191.27	7697.	0.006	1.59	-0.04	191.57	7366.	0.005
786	6.28	6.28	0.00	-0.08	23.84	-358.	0.000	0.00	-0.06	18.91	-284.	0.000	0.00	-0.06	17.25	-259.	0.000
787	6.28	6.28	0.00	-0.08	23.93	-359.	0.000	0.00	-0.07	22.42	-336.	0.000	0.00	-0.07	21.92	-329.	0.000
788	6.28	6.28	0.00	-0.07	22.64	-340.	0.000	0.00	-0.07	23.33	-350.	0.000	0.00	-0.08	23.55	-353.	0.000
789	6.28	6.28	0.58	-0.06	59.99	365.	0.000	0.52	-0.07	54.06	113.	0.000	0.52	-0.07	55.00	98.	0.000
790	6.28	6.28	1.82	-0.04	218.85	8930.	0.006	1.85	-0.05	221.97	8199.	0.006	1.86	-0.05	222.84	7964.	0.006
791	6.28	6.28	0.00	-0.11	34.44	-517.	0.000	0.00	-0.08	25.87	-388.	0.000	0.00	-0.07	23.02	-345.	0.000
792	6.28	6.28	0.00	-0.11	35.35	-530.	0.000	0.00	-0.10	29.83	-447.	0.000	0.00	-0.09	27.98	-420.	0.000
793	6.28	6.28	0.00	-0.10	31.17	-468.	0.000	0.00	-0.09	29.20	-438.	0.000	0.00	-0.08	25.94	-389.	0.000
794	6.28	6.28	0.71	-0.08	73.15	301.	0.000	0.67	-0.08	69.92	195.	0.000	0.66	-0.08	68.37	201.	0.000
795	6.28	6.28	2.06	-0.06	247.28	8987.	0.007	2.11	-0.06	252.71	8645.	0.006	2.12	-0.07	254.43	8533.	0.006
796	6.28	6.28	4.44	-0.06	534.0723444.	0.017	3.36	-0.05	403.8917414.	0.013	3.00	-0.05	360.3715560.	0.011	3.00	-0.05	360.3715560.
797	6.28	6.28	2.03	-0.04	244.26	9983.	0.007	1.46	-0.03	175.42	7351.	0.005	1.27	-0.02	152.46	6474.	0.005
798	6.28	6.28	0.87	0.00	103.31	5292.	0.004	0.75	0.00	89.79	4631.	0.003	0.69	-0.01	82.95	3876.	0.003
799	6.28	6.28	0.80	0.03	82.50	7401.	0.007	0.63	0.00	73.80	4278.	0.003	0.57	0.00	68.67	3347.	0.002
800	6.28	6.28	0.76	0.00	90.26	4779.	0.003	0.60	-0.02	72.28	2684.	0.002	0.55	-0.02	65.51	2151.	0.002
801	6.28	6.28	5.52	-0.10	664.7027965.	0.020	4.20	-0.07	505.6521324.	0.015	3.76	-0.06	452.6219117.	0.014	3.76	-0.06	452.6219117.
802	6.28	6.28	2.66	-0.07	319.331611.	0.008	1.93	-0.05	231.99	8553.	0.006	1.69	-0.04	202.88	7534.	0.005	
803	6.28	6.28	1.26	-0.04	150.21	4947.	0.004	0.99	-0.03	119.08	4275.	0.003	0.90	-0.02	108.21	4035.	0.003
804	6.28	6.28	0.97	-0.01	116.98	5251.	0.004	0.75	-0.01	89.61	4209.	0.003	0.67	-0.01	80.45	3865.	0.003
805	6.28	6.28	0.88	0.00	103.94	5518.	0.004	0.66	-0.04	76.35	1655.	0.001	0.59	-0.04	67.16	1277.	0.001
806	6.28	6.28	7.58	-0.17	913.0435543.	0.026	5.79	-0.13	697.0927158.	0.020	5.19	-0.12	625.1024363.	0.018	5.19	-0.12	625.1024363.
807	6.28	6.28	3.79	-0.15	449.6413333.	0.010	2.75	-0.11	326.81	9663.	0.007	2.41	-0.10	285.87	8442.	0.006	
808	6.28	6.28	1.90	-0.12	213.34	3914.	0.003	1.46	-0.09	166.22	3401.	0.002	1.31	-0.07	150.50	3241.	0.002
809	6.28	6.28	1.33	-0.09	147.34	2423.	0.002	0.99	-0.06	110.98	2004.	0.001	0.88	-0.05	98.85	1868.	0.001
810	6.28	6.28	1.08	-0.07	119.92	2031.	0.001	0.79	-0.05	88.15	1502.	0.001	0.70	-0.05	77.55	1325.	0.001
811	6.28	6.28	8.64	-0.20	1039.3439760.	0.029	6.62	-0.16	796.3930476.	0.022	5.94	-0.14	715.3927381.	0.020	5.94	-0.14	715.3927381.
812	6.28	6.28	4.42	-0.18	523.4815055.	0.011	3.23	-0.13	382.3110920.	0.008	2.83	-0.12	335.27	9547.	0.007		
813	6.28	6.28	2.21	-0.15	245.28	3945.	0.003	1.69	-0.11	189.63	3379.	0.002	1.52	-0.09	171.08	3199.	0.002
814	6.28	6.28	1.49	-0.12	160.26	1906.	0.001	1.10	-0.09	119.29	1546.	0.001	0.97	-0.07	105.64	1428.	0.001
815	6.28	6.28	1.18	-0.10	124.91	1247.	0.001	0.85	-0.08	89.91	827.	0.001	0.75	-0.07	78.26	687.	0.000
816	6.28	6.28	9.65	-0.25	1160.2843154.	0.031	7.42	-0.19	892.2533265.	0.024	6.67	-0.17	802.8929966.	0.022	6.67	-0.17	802.8929966.
817	6.28	6.28	5.04	-0.23	592.3015779.	0.011	3.71	-0.17	436.2911563.	0.008	3.27	-0.15	384.2710157.	0.007	3.27	-0.15	384.2710157.
818	6.28	6.28	2.53	-0.21	271.17	3162.	0.002	1.92	-0.15	207.87	2702.	0.002	1.72	-0.13	186.81	2556.	0.002
819	6.28	6.28	1.65	-0.19	170.59	782.	0.001	1.20	-0.13	124.06	608.	0.000	1.05	-0.11	108.56	548.	0.000
820	6.28	6.28	1.27	-0.16	132.42	311.	0.000	0.88	-0.12	93.31	126.	0.000	0.75	-0.11	80.44	71.	0.000
821	6.28	6.28	0.71	-0.20	105.87	-455.	0.000	0.32	-0.16	68.87	-517.	0.000	0.19	-0.14	56.55	-538.	0.000
822	6.28	6.28	0.00	-0.18	56.86	-853.	0.000	0.00	-0.14	42.72	-641.	0.000	0.00	-0.12	38.01	-570.	0.000
823	6.28	6.28	0.00	-0.16	49.80	-747.	0.000	0.00	-0.11	35.66	-535.	0.000	0.00	-0.10	30.96	-464.	0.000
824	6.28	6.28	0.71	-0.20	105.87	-455.	0.000	0.32	-0.16	68.87	-517.	0.000	0.19	-0.14	56.55	-538.	0.000
825	6.28	6.28	0.00	-0.18	56.86	-853.	0.000	0.00	-0.14	42.72	-641.	0.000	0.00	-0.12	38.01	-570.	0.000
826	6.28	6.28	0.00	-0.16	49.80	-747.	0.000	0.00	-0.11	35.66	-535.	0.000	0.00	-0.10	30.96	-464.	0.000

ARMATURA INFERIORE VERTICALE

GUSCI	Af	Afc	COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
			Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
758	7.89	7.89	0.00	0.00	0.00	266.	0.000	0.41	-0.01	44.63	1790.	0.001	0.57	-0.01	61.50	2304.	0.002
759	7.89	7.89	0.01	0.00	0.70	9.	0.000	0.56	-0.02	60.90	1853.	0.001	0.74	-0.02	80.96	2426.	0.002
760	7.89	7.89	0.19	-0.02	19.39	37.	0.000	0.78	-0.04	83.27	1703.	0.001	0.98	-0.05	105.01	2369.	0.002
761	7.89	7.89	0.28	-0.02	28.79	467.	0.000	0.93	-0.04	100.85	2500.	0.002	1.16	-0.05	125.85	3234.	0.002
762	7.89	7.89	0.76	-0.01	81.98	3276.	0.002	1.12	-0.03	121.47	3724.	0.003	1.28	-0.04	139.62	4124.	0.003
763	7.89	7.89	1.30	-0.02	139.86	5682.	0.004	1.55	-0.05	168.58	5260.	0.004	1.63	-0.06	177.53	5145.	0.003
764	7.89	7.89	1.76	-0.04	191.73	6738.	0.005	1.93	-0.07	210.16	5883.	0.004	1.99	-0.08	215.78	5623.	0.004
765	7.89	7.89	2.04	-0.04	222.28	7874.	0.005	2.16	-0.08	234.70	6617.	0.004	2.20	-0.09	238.20	6222.	0.004
766	7.89	7.89	2.24	-0.07	243.69	7482.	0.005	2.34	-0.10	252.29	6245.	0.004	2.37	-0.11	254.67	5859.	0.004
767	7.89	7.89	2.31	-0.09	250.45	6787.	0.005	2.39	-0.12	255.91	5656.	0.004	2.41	-0.12	258.72	5717.	0.004
768	7.89	7.89	2.14	-0.07	232.97	6724.	0.005	2.16	-0.09	232.73	5734.	0.004	2.16	-0.10	232.43	5418.	0.004
769	7.89	7.89	1.98	-0.06	215.84	6716.	0.005	1.95	-0.07	211.56	5760.	0.004	1.94	-0.08	209.95	5450.	0.004
770	7.89	7.89	1.77	-0.03	191.79	7544.	0.005	1.69	-0.04	184.33	6326.	0.004	1.67	-0.04	181.61	5929.	0.004
771	13.69	13.69	0.71	-0.09	65.00	122.	0.000	0.71	-0.13	75.70	-118.	0.000	0.77	-0.14	82.52	-145.	0.000
772	13.69	13.69	0.58	-0.07	53.84	94.	0.000	0.58	-0.11	62.54	-114.	0.000	0.62	-0.12	68.48	-137.	0.000
773	13.69	13.69	0.53	-0.05	46.68	280.	0.000	0.52	-0.08	51.52	-26.	0.000	0.52	-0.09	54.57	-74.	0.000
774	13.69	13.69	0.40	-0.04	35.38	142.	0.000	0.37	-0.06	38.04	-44.	0.000	0.36	-0.07	39.67	-80.	0.000
775	13.69	13.69	0.30	-0.02	26.26	295.	0.000	0.26	-0.04	25.27	-8.	0.000	0.25	-0.05	26.39	-44.	0.000
776	5.80	5.80	0.00	-0.07	22.90	-344.	0.000	0.00	-0.11	33.11	-497.	0.000	0.00	-0.12	36.48	-547.	0.000
777	5.80	5.80	0.00	-0.06	18.08	-271.	0.000	0.00	-0.09	27.47	-412.	0.000	0.00	-0.10	30.59	-459.	0.000
778	5.80	5.80	0.00	-0.04	12.57	-189.	0.000	0.00	-0.07	21.44	-319.	0.000	0.00	-0.08	24.10	-362.	0.000
779	5.80	5.80	0.00	-0.02	6.14	-92.	0.000	0.00	-0.05	14.56	-218.	0.000	0.00	-0.06	17.36	-260.	0.000
780	5.80	5.80	0.00	-0.01	1.98	-30.	0.000	0.00	-0.03	9.26	-139.	0.000	0.00	-0.04	11.69	-175.	0.000
781	5.80	5.80	0.00	-0.04	13.58	-204.	0.000	0.00	-0.07	21.80	-327.	0.000	0.00	-0.08	24.57	-369.	0.000
782	5.80	5.80	0.00	-0.03	10.46	-157.	0.000	0.00	-0.06	18.37	-276.	0.000	0.00	-0.07	21.01	-315.	0.000

793	6.28	6.28	0.40	-0.10	7.18	-756.	0.000	0.14	-0.09	20.80	-539.	0.000	0.11	-0.08	19.12	-471.	0.000
794	6.28	6.28	0.00	-0.08	25.56	-383.	0.000	0.00	-0.08	26.38	-396.	0.000	0.00	-0.08	25.56	-383.	0.000
795	6.28	6.28	0.00	-0.06	17.41	-261.	0.000	0.00	-0.06	20.32	-305.	0.000	0.00	-0.07	21.30	-319.	0.000
796	6.28	6.28	0.00	-0.06	20.29	-304.	0.000	0.00	-0.05	16.62	-249.	0.000	0.00	-0.05	14.74	-221.	0.000
797	6.28	6.28	0.00	-0.04	12.33	-185.	0.000	0.00	-0.03	8.09	-121.	0.000	0.00	-0.02	6.68	-100.	0.000
798	6.28	6.28	0.00	0.00	1.03	-16.	0.000	0.00	0.00	0.78	-12.	0.000	0.00	-0.01	2.23	-33.	0.000
799	6.28	6.28	0.14	0.03	0.00	3200.	0.004	0.16	0.00	17.69	1264.	0.001	0.17	0.00	19.87	740.	0.001
800	6.28	6.28	0.44	0.00	52.73	2752.	0.002	0.35	-0.02	40.89	1106.	0.001	0.31	-0.02	35.17	711.	0.001
801	6.28	6.28	0.00	-0.10	30.20	-453.	0.000	0.00	-0.07	22.77	-342.	0.000	0.00	-0.06	20.26	-304.	0.000
802	6.28	6.28	0.00	-0.07	22.46	-337.	0.000	0.00	-0.05	15.78	-237.	0.000	0.00	-0.04	13.55	-203.	0.000
803	6.28	6.28	0.00	-0.04	13.02	-195.	0.000	0.00	-0.03	8.62	-129.	0.000	0.00	-0.02	7.15	-107.	0.000
804	6.28	6.28	0.00	-0.01	3.98	-60.	0.000	0.08	-0.01	8.21	67.	0.000	0.11	-0.01	12.52	293.	0.000
805	6.28	6.28	0.39	0.00	46.12	2395.	0.002	0.33	-0.04	34.42	164.	0.000	0.32	-0.04	32.58	128.	0.000
806	6.28	6.28	0.00	-0.17	53.69	-805.	0.000	0.00	-0.13	40.90	-613.	0.000	0.00	-0.12	36.63	-549.	0.000
807	6.28	6.28	0.00	-0.15	46.57	-699.	0.000	0.00	-0.11	34.00	-510.	0.000	0.00	-0.10	29.79	-447.	0.000
808	6.28	6.28	0.00	-0.12	37.67	-565.	0.000	0.00	-0.09	26.69	-400.	0.000	0.00	-0.07	23.02	-345.	0.000
809	6.28	6.28	0.00	-0.09	28.32	-425.	0.000	0.02	-0.06	18.88	-309.	0.000	0.09	-0.05	11.75	-319.	0.000
810	6.28	6.28	0.39	-0.07	0.48	-615.	0.000	0.42	-0.05	43.29	113.	0.000	0.43	-0.05	43.95	227.	0.000
811	6.28	6.28	0.00	-0.20	64.20	-963.	0.000	0.00	-0.16	49.15	-737.	0.000	0.00	-0.14	44.13	-662.	0.000
812	6.28	6.28	0.00	-0.18	56.77	-851.	0.000	0.00	-0.13	41.87	-628.	0.000	0.00	-0.12	36.88	-553.	0.000
813	6.28	6.28	0.00	-0.15	47.92	-719.	0.000	0.00	-0.11	34.28	-514.	0.000	0.00	-0.09	29.73	-446.	0.000
814	6.28	6.28	0.00	-0.12	37.89	-568.	0.000	0.00	-0.09	26.85	-403.	0.000	0.03	-0.07	21.54	-367.	0.000
815	6.28	6.28	0.33	-0.10	12.58	-721.	0.000	0.40	-0.08	0.10	-651.	0.000	0.43	-0.07	4.04	-628.	0.000
816	6.28	6.28	0.00	-0.25	77.18	-1158.	0.000	0.00	-0.19	58.99	-885.	0.000	0.00	-0.17	52.94	-794.	0.000
817	6.28	6.28	0.00	-0.23	71.35	-1070.	0.000	0.00	-0.17	52.91	-794.	0.000	0.00	-0.15	46.76	-781.	0.000
818	6.28	6.28	0.00	-0.21	64.80	-972.	0.000	0.00	-0.15	46.70	-700.	0.000	0.00	-0.13	40.68	-610.	0.000
819	6.28	6.28	0.00	-0.19	58.08	-871.	0.000	0.00	-0.13	41.52	-623.	0.000	0.00	-0.11	36.04	-541.	0.000
820	6.28	6.28	0.21	-0.16	38.84	-918.	0.000	0.32	-0.12	19.14	-808.	0.000	0.36	-0.11	12.57	-770.	0.000
821	6.28	6.28	0.34	-0.20	43.50	-1204.	0.000	0.41	-0.16	25.14	-1042.	0.000	0.44	-0.14	19.03	-988.	0.000
822	6.28	6.28	1.02	-0.18	3.81	-1581.	0.000	0.93	-0.14	99.59	71.	0.000	0.90	-0.12	94.32	160.	0.000
823	6.28	6.28	1.59	-0.16	164.71	1124.	0.001	1.30	-0.11	137.18	1355.	0.001	1.20	-0.10	128.49	1476.	0.001
824	6.28	6.28	0.34	-0.20	43.50	-1204.	0.000	0.41	-0.16	25.14	-1042.	0.000	0.44	-0.14	19.03	-988.	0.000
825	6.28	6.28	1.02	-0.18	3.81	-1581.	0.000	0.93	-0.14	99.59	71.	0.000	0.90	-0.12	94.32	160.	0.000
826	6.28	6.28	1.59	-0.16	164.71	1124.	0.001	1.30	-0.11	137.18	1355.	0.001	1.20	-0.10	128.49	1476.	0.001

ARMATURA SUPERIORE VERTICALE

GUSCI			COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
	Af	Afc	Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
758	7.89	7.89	0.92	0.00	96.70	4991.	0.004	0.29	-0.01	32.00	1187.	0.001	0.08	-0.01	8.50	29.	0.000
759	7.89	7.89	0.58	0.00	61.56	2944.	0.002	0.00	-0.02	5.34	-80.	0.000	0.00	-0.02	7.32	-110.	0.000
760	7.89	7.89	0.22	-0.02	22.27	95.	0.000	0.00	-0.04	12.79	-192.	0.000	0.00	-0.05	14.49	-217.	0.000
761	7.89	7.89	0.00	-0.02	5.44	-82.	0.000	0.00	-0.04	12.36	-185.	0.000	0.00	-0.05	14.67	-220.	0.000
762	7.89	7.89	0.00	-0.01	3.12	-47.	0.000	0.00	-0.03	10.50	-158.	0.000	0.00	-0.04	12.98	-195.	0.000
763	7.89	7.89	0.00	-0.02	4.88	-73.	0.000	0.00	-0.05	14.06	-211.	0.000	0.00	-0.06	17.08	-256.	0.000
764	7.89	7.89	0.00	-0.04	11.89	-178.	0.000	0.00	-0.07	21.47	-322.	0.000	0.00	-0.08	24.65	-370.	0.000
765	7.89	7.89	0.00	-0.04	13.47	-202.	0.000	0.00	-0.08	23.70	-355.	0.000	0.00	-0.09	27.13	-407.	0.000
766	7.89	7.89	0.00	-0.07	21.01	-315.	0.000	0.00	-0.10	30.99	-465.	0.000	0.00	-0.11	34.32	-515.	0.000
767	7.89	7.89	0.00	-0.09	26.97	-405.	0.000	0.00	-0.12	36.15	-542.	0.000	0.00	-0.12	36.55	-548.	0.000
768	7.89	7.89	0.00	-0.07	22.58	-339.	0.000	0.00	-0.09	28.76	-431.	0.000	0.00	-0.10	30.83	-462.	0.000
769	7.89	7.89	0.00	-0.06	18.10	-272.	0.000	0.00	-0.07	22.61	-339.	0.000	0.00	-0.08	24.13	-362.	0.000
770	7.89	7.89	0.00	-0.03	7.88	-118.	0.000	0.00	-0.04	12.23	-184.	0.000	0.00	-0.04	13.69	-205.	0.000
771	13.69	13.69	0.00	-0.09	25.80	-387.	0.000	0.00	-0.13	38.00	-570.	0.000	0.00	-0.14	42.04	-631.	0.000
772	13.69	13.69	0.00	-0.07	21.55	-323.	0.000	0.00	-0.11	32.02	-480.	0.000	0.00	-0.12	35.50	-533.	0.000
773	13.69	13.69	0.00	-0.05	14.45	-217.	0.000	0.00	-0.08	23.87	-358.	0.000	0.00	-0.09	27.00	-405.	0.000
774	13.69	13.69	0.00	-0.04	12.31	-185.	0.000	0.00	-0.06	18.53	-278.	0.000	0.00	-0.07	20.61	-309.	0.000
775	13.69	13.69	0.03	-0.02	4.71	-106.	0.000	0.00	-0.04	11.52	-173.	0.000	0.00	-0.05	13.34	-200.	0.000
776	5.80	5.80	0.50	-0.07	53.87	46.	0.000	0.39	-0.11	9.56	-779.	0.000	0.41	-0.12	12.06	-840.	0.000
777	5.80	5.80	0.47	-0.06	49.55	167.	0.000	0.36	-0.09	6.06	-669.	0.000	0.37	-0.10	8.28	-727.	0.000
778	5.80	5.80	0.48	-0.04	51.65	586.	0.000	0.24	-0.07	6.73	-493.	0.000	0.23	-0.08	10.42	-526.	0.000
779	5.80	5.80	0.45	-0.02	55.18	1591.	0.001	0.23	-0.05	0.80	-383.	0.000	0.20	-0.06	5.28	-405.	0.000
780	5.80	5.80	0.40	-0.01	49.65	2226.	0.002	0.21	-0.03	22.78	35.	0.000	0.18	-0.04	0.90	-395.	0.000
781	5.80	5.80	0.97	-0.04	118.32	3337.	0.003	0.68	-0.07	70.75	459.	0.000	0.60	-0.08	62.84	138.	0.000
782	5.80	5.80	0.86	-0.03	105.47	3289.	0.003	0.59	-0.06	61.54	438.	0.000	0.49	-0.07	52.39	93.	0.000
783	5.80	5.80	0.77	-0.02	95.71	3445.	0.003	0.48	-0.05	50.56	387.	0.000	0.40	-0.05	42.33	69.	0.000
784	5.80	5.80	0.61	0.00	76.01	3914.	0.003	0.33	-0.03	35.49	347.	0.000	0.28	-0.04	30.08	57.	0.000
785	5.80	5.80	0.42	0.00	51.14	2872.	0.002	0.24	-0.02	25.03	204.	0.000	0.20	-0.03	21.53	8.	0.000
786	5.80	5.80	0.78	0.00	96.86	5260.	0.004	0.57	-0.01	71.00	2797.	0.002	0.50	-0.02	61.37	2005.	0.002
787	5.80	5.80	0.76	-0.02	94.20	3721.	0.003	0.53	-0.03	62.38	1407.	0.001	0.45	-0.03	50.68	765.	0.001
788	5.80	5.80	0.67	-0.03	81.97	2519.	0.002	0.45	-0.04	48.34	547.	0.000	0.31	-0.04	32.92	69.	0.000
789	5.80	5.80	0.56	-0.01	69.92	2709.	0.002	0.24	-0.03	25.06	77.	0.000	0.17	-0.03	0.66	-273.	0.000
790	5.80	5.80	0.32	-0.01	40.18	1435.	0.001	0.13	-0.02	0.19	-209.	0.000	0.08	-0.03	3.65	-183.	0.000
791	5.80	5.80	0.52	-0.01	64.95	2456.	0.002	0.34	-0.01	41.99	1280.	0.001	0.28	0.00	35.08	1848.	0.001
792	5.80	5.80	0.46	-0.01	57.41	2341.	0.002	0.28	-0.01	33.65	941.	0.001	0.22	-0.01	25.20	512.	0.000
793	5.80	5.80	0.42	-0.01	51.77	2012.	0.002	0.18	-0.01	22.01	593.	0.000	0.10	-0.01	11.17	152.	0.000
794	5.80	5.80	0.30	0.00	37.76	1717.	0.001	0.08	0.00	9.60	320.	0.000	0.04	0.00	4.35	96.	0.000
795	5.80	5.80	0.14	-0.01	17.24	468.	0.000	0.02	0.00	0.08	-27.	0.000	0.00	0.00	0.60	-9.	0.000
796	13.69	13.69	0.65	0.01	50.67	2183.	0.001	0.30	0.00	24.30	882.	0.000	0.19	0.00	15.63	479.	0.000
797	13.69	13.69	0.45	0.02	28.12	2107.	0.001	0.14	0.00	10.02	538.	0.000	0.04	0.00	3.41	24.	0.000
798	13.69	13.69	0.31	-0.01	26.01	666.	0.000	0.00	-0.03	8.39	-126.	0.000	0.00	-0.04	10.41	-156.	0.000
799	13.69	13.69	0.60	-0.01	50.39	1511.	0.001	0.29	-0.04	26.63	47.	0.000	0.17	-0.05	4.60	-305.	0.000
800	13.69	13.69	0.86	-0.02	72.37	1998.	0.001	0.37	-0.05	35.14	37.	0.000	0.21	-0.06	6.65	-404.	0.000
801	5.80	5.80	0.18	-0.02	18.52	150.	0.000	0.08	0.00	10.21	500.	0.000	0.06	0.00	6.64	161.	0.000
802	5.80	5.80	0.14	0.00	17.22	1066.	0.001	0.08	0.00	9.11	252.	0.000	0.06	-0.01	6.23	11.	0.000

381	6.13	6.13	4.70	-0.07	572.0025297.	0.019	3.56	-0.05	432.3019744.	0.015	3.18	-0.04	385.6617894.	0.013
382	6.13	6.13	5.52	-0.06	669.5631750.	0.024	4.20	-0.05	509.6923761.	0.018	3.76	-0.04	455.8421564.	0.016
383	6.13	6.13	5.51	-0.04	666.1833148.	0.025	4.20	-0.03	507.8025326.	0.019	3.76	-0.02	455.0022721.	0.017
384	6.13	6.13	4.96	-0.02	597.2220923.	0.023	3.79	-0.01	455.6524161.	0.018	3.40	0.00	408.4121910.	0.016
385	6.13	6.13	3.98	-0.01	477.6025460.	0.019	3.06	-0.01	367.2919518.	0.014	2.75	0.00	330.0517733.	0.013
386	6.13	6.13	2.12	-0.01	254.6713325.	0.010	1.65	0.01	195.1011738.	0.009	1.50	0.02	174.6811214.	0.009
387	6.13	6.13	0.00	-0.07	22.33 - 335.	0.000	0.00	-0.04	12.34 - 185.	0.000	0.00	-0.02	6.53 - 98.	0.000
388	6.13	6.13	0.00	-0.08	25.54 - 383.	0.000	0.00	-0.07	23.09 - 346.	0.000	0.00	-0.07	22.27 - 334.	0.000
389	6.13	6.13	2.41	-0.08	290.99 9385.	0.007	1.76	-0.07	210.52 6288.	0.005	1.54	-0.06	184.07 5420.	0.004
390	6.13	6.13	4.96	-0.08	603.5326451.	0.020	3.75	-0.06	456.8819771.	0.015	3.35	-0.05	407.8717800.	0.013
391	6.13	6.13	6.01	-0.06	729.3334325.	0.025	4.58	-0.05	556.0125839.	0.019	4.10	-0.05	498.2223007.	0.017
392	6.13	6.13	6.10	-0.05	739.0936029.	0.027	4.66	-0.04	564.4027650.	0.021	4.18	-0.03	506.1524859.	0.018
393	6.13	6.13	5.55	-0.04	672.0333184.	0.025	4.25	-0.02	513.7925955.	0.019	3.82	-0.02	460.9923551.	0.017
394	6.13	6.13	4.48	-0.04	543.2625900.	0.019	3.44	-0.02	416.4520764.	0.015	3.10	-0.02	374.0619057.	0.014
395	6.13	6.13	2.76	-0.08	334.7112209.	0.009	2.13	-0.05	259.7910343.	0.008	1.93	-0.04	234.62 9727.	0.007
396	6.13	6.13	0.37	-0.12	61.06 - 315.	0.000	0.29	-0.08	43.55 - 187.	0.000	0.26	-0.07	37.70 - 145.	0.000
397	6.13	6.13	0.00	-0.08	23.97 - 359.	0.000	0.00	-0.07	21.83 - 327.	0.000	0.00	-0.07	21.11 - 317.	0.000
398	6.13	6.13	2.09	-0.08	249.99 7321.	0.005	1.49	-0.08	173.93 4165.	0.003	1.28	-0.07	148.18 3146.	0.002
399	6.13	6.13	5.00	-0.08	608.4126173.	0.019	3.77	-0.07	459.1719023.	0.014	3.36	-0.07	409.3416642.	0.012
400	6.13	6.13	6.27	-0.08	761.3232490.	0.026	4.77	-0.06	579.9526232.	0.019	4.27	-0.06	517.4723339.	0.017
401	6.13	6.13	6.46	-0.07	784.2836581.	0.027	4.93	-0.06	599.1027988.	0.021	4.43	-0.05	537.3725123.	0.019
402	6.13	6.13	5.92	-0.08	719.1132851.	0.024	4.53	-0.05	550.3525507.	0.019	4.07	-0.05	494.0823062.	0.017
403	6.13	6.13	4.80	-0.09	584.6324152.	0.018	3.69	-0.07	448.8919046.	0.014	3.32	-0.06	403.6017343.	0.013
404	6.13	6.13	3.19	-0.13	381.9411174.	0.008	2.46	-0.09	295.56 9058.	0.007	2.22	-0.08	266.72 8356.	0.006
405	6.13	6.13	1.40	-0.17	145.30 423.	0.000	1.08	-0.13	112.12 403.	0.000	0.98	-0.11	101.13 490.	0.000
922	6.13	6.13	0.00	0.24	0.0019246.	0.028	0.00	0.34	0.0027440.	0.040	0.00	0.39	0.0031741.	0.046
923	6.13	6.13	2.58	0.23	108.8636391.	0.039	1.85	0.29	0.0035828.	0.042	1.60	0.32	0.0037433.	0.046
924	6.13	6.13	2.95	0.15	281.4531336.	0.031	2.08	0.19	82.0229534.	0.032	1.79	0.21	0.0029405.	0.033
925	6.13	6.13	1.86	0.09	175.0919963.	0.020	1.25	0.13	0.0019175.	0.021	1.04	0.15	0.0019097.	0.022
926	6.13	6.13	0.77	0.06	52.99 9880.	0.010	0.44	0.09	0.0010191.	0.012	0.33	0.10	0.0010476.	0.013
927	6.13	6.13	0.12	0.03	0.00 3318.	0.004	0.00	0.06	0.00 4595.	0.007	0.00	0.00 5460.	0.008	
928	6.13	6.13	0.00	0.00	0.00 253.	0.000	0.00	0.03	0.00 2342.	0.003	0.00	0.04	0.00 3306.	0.005
929	6.13	6.13	0.00	-0.01	3.83 - 57.	0.000	0.00	0.03	0.00 2277.	0.003	0.00	0.05	0.00 3697.	0.005
930	6.13	6.13	0.30	0.01	33.25 2529.	0.002	0.13	0.05	0.00 5128.	0.007	0.07	0.07	0.00 6179.	0.009
931	6.13	6.13	0.91	0.02	102.69 7549.	0.007	0.60	0.05	26.10 8461.	0.009	0.50	0.07	0.00 8821.	0.010
932	6.13	6.13	1.57	0.02	182.0112145.	0.010	1.11	0.05	110.7511167.	0.011	0.95	0.06	82.3410918.	0.011
933	6.13	6.13	2.72	0.03	316.8420404.	0.017	1.98	0.05	217.3817315.	0.015	1.73	0.06	182.036350.	0.015
934	6.13	6.13	3.90	0.06	451.4530051.	0.025	3.02	0.07	335.9325781.	0.023	2.72	0.08	297.4424175.	0.022
935	6.13	6.13	3.32	0.05	382.1625881.	0.022	2.53	0.06	282.9021524.	0.019	2.27	0.06	249.1320073.	0.018
936	6.13	6.13	1.17	0.02	134.24 9209.	0.008	0.74	0.03	77.27 7126.	0.007	0.60	0.03	56.43 6443.	0.006
937	6.13	6.13	0.00	0.20	0.0016446.	0.024	0.00	0.29	0.0023783.	0.035	0.00	0.33	0.0027318.	0.040
938	6.13	6.13	1.11	0.23	0.0025945.	0.032	0.83	0.23	0.0024810.	0.032	0.74	0.26	0.0026480.	0.034
939	6.13	6.13	2.83	0.14	264.9130507.	0.030	2.09	0.18	110.5928507.	0.030	1.85	0.19	0.0028394.	0.031
940	6.13	6.13	2.48	0.09	258.3023872.	0.022	1.80	0.13	132.8522391.	0.023	1.58	0.14	67.8922222.	0.024
941	6.13	6.13	1.66	0.06	175.6315464.	0.014	1.17	0.09	76.1115149.	0.016	1.01	0.10	8.4215261.	0.017
942	6.13	6.13	1.09	0.03	119.52 9634.	0.009	0.74	0.06	40.0310009.	0.011	0.62	0.07	0.0010277.	0.012
943	6.13	6.13	0.98	0.01	114.55 7283.	0.006	0.67	0.05	51.41 8166.	0.008	0.57	0.06	0.00 8777.	0.010
944	6.13	6.13	0.80	0.00	95.21 5674.	0.004	0.54	0.05	19.79 7815.	0.008	0.46	0.07	0.00 8800.	0.010
945	6.13	6.13	1.89	0.02	221.7813784.	0.011	1.40	0.06	138.5514423.	0.014	1.24	0.08	99.7214861.	0.015
946	6.13	6.13	2.73	0.01	324.0019060.	0.015	2.04	0.04	231.2016804.	0.015	1.81	0.05	198.1216130.	0.015
947	6.13	6.13	3.55	0.01	422.1324335.	0.019	2.66	0.03	309.1620198.	0.017	2.37	0.04	270.6918878.	0.016
948	6.13	6.13	4.65	0.02	552.0332091.	0.025	3.61	0.04	421.9426965.	0.022	3.27	0.05	377.8425290.	0.021
949	6.13	6.13	4.46	0.04	523.9732307.	0.026	3.46	0.06	397.5527101.	0.023	3.12	0.06	355.3825249.	0.022
950	6.13	6.13	3.36	0.03	395.2524138.	0.019	2.54	0.04	293.3019674.	0.016	2.27	0.04	258.9218183.	0.015
951	6.13	6.13	0.51	-0.01	61.52 2700.	0.002	0.15	0.00	17.59 1205.	0.001	0.04	0.01	0.00 724.	0.001
952	6.13	6.13	0.00	0.17	0.0013557.	0.020	0.00	0.24	0.0019237.	0.028	0.00	0.27	0.0022282.	0.032
953	6.13	6.13	0.46	0.20	0.0019213.	0.025	0.37	0.22	0.0020234.	0.027	0.34	0.22	0.0020279.	0.028
954	6.13	6.13	2.64	0.13	248.1928349.	0.028	2.00	0.16	127.9126116.	0.028	1.79	0.17	57.7325964.	0.028
955	6.13	6.13	2.80	0.08	304.7325035.	0.023	2.10	0.11	192.6923015.	0.023	1.87	0.13	145.0522655.	0.023
956	6.13	6.13	2.21	0.05	249.5918316.	0.016	1.64	0.08	157.7717184.	0.017	1.44	0.09	118.8417042.	0.017
957	6.13	6.13	1.56	0.02	180.5612036.	0.010	1.13	0.05	109.7311711.	0.011	0.98	0.06	77.8011812.	0.012
958	6.13	6.13	0.98	0.01	114.55 7283.	0.006	0.67	0.05	51.41 8166.	0.008	0.57	0.06	0.00 8777.	0.010
959	6.13	6.13	0.80	0.00	95.21 5674.	0.004	0.54	0.05	19.79 7815.	0.008	0.46	0.07	0.00 8800.	0.010
960	6.13	6.13	1.89	0.02	221.7813784.	0.011	1.40	0.06	138.5514423.	0.014	1.24	0.08	99.7214861.	0.015
961	6.13	6.13	4.47	0.01	533.1329854.	0.023	3.40	0.03	400.5124619.	0.020	3.05	0.04	355.7322913.	0.019
962	6.13	6.13	5.14	0.00	614.8634056.	0.026	4.00	0.02	473.8828071.	0.022	3.62	0.03	426.4726101.	0.021
963	6.13	6.13	5.20	0.01	620.9434692.	0.026	4.04	0.03	477.5228768.	0.023	3.66	0.04	429.1426833.	0.022
964	6.13	6.13	4.72	0.02	560.6232608.	0.025	3.65	0.04	426.7926922.	0.022	3.29	0.04	382.1124945.	0.021
965	6.13	6.13	3.17	0.01	378.4421238.	0.016	2.36	0.02	277.7516891.	0.013	2.09	0.02	243.8815449.	0.013
966	6.13	6.13	0.00	-0.03	8.73 - 131.	0.000	0.00	-0.02	5.03 - 75.	0.000	0.00	-0.01	3.77 - 57.	0.000
967	6.13	6.13	0.00	0.11	0.00 9174.	0.013	0.00	0.19	0.0015850.	0.023	0.00	0.22	0.0018299.	0.027
968	6.13	6.13	0.00	0.18	0.0014487.	0.021	0.05	0.22	0.0018586.	0.027	0.10	0.24	0.0020145.	0.029
969	6.13	6.13	2.96	0.17	263.7233144.	0.033	2.37	0.16	177.3729244.	0.030	2.17	0.17	134.4828610.	0.030
970	6.13	6.13	3.87	0.09	433.7532681.	0.029	3.04	0.11	317.8929054.	0.027	2.76	0.12	274.6328132.	0.027
971	6.13	6.13	3.58	0.05	414.1327445.	0.023	2.77	0.08	305.0724331.	0.022	2.51	0.09	265.4623494.	0.022
972	6.13	6.13	2.59	0.03	302.6319165.	0.016	1.98	0.05	218.3817258.	0.015	1.78	0.06	187.3716766.	0.016
973	6.13	6.13	2.20	0.03	256.2516498.	0.013	1.65	0.06	171.0716021.	0.015	1.47			

379	5.81	5.81	3.87	-0.04	480.9923768.	0.019	2.96	-0.03	368.6517816.	0.014	2.66	-0.03	331.1415865.	0.012
380	5.81	5.81	4.08	-0.04	507.5124686.	0.019	3.14	-0.05	391.6617851.	0.014	2.83	-0.04	352.7415896.	0.012
381	5.81	5.81	4.13	-0.04	513.3824900.	0.019	3.19	-0.05	397.8117727.	0.014	2.88	-0.05	358.9215342.	0.012
382	5.81	5.81	4.35	-0.04	541.1826389.	0.021	3.39	-0.05	422.8518913.	0.015	3.07	-0.06	382.9916432.	0.013
383	5.81	5.81	4.19	-0.03	519.6726302.	0.021	3.28	-0.04	409.0219024.	0.015	2.98	-0.05	371.7316608.	0.013
384	5.81	5.81	3.82	-0.01	471.5425537.	0.020	3.02	-0.02	374.3218730.	0.015	2.75	-0.03	341.5816464.	0.013
385	5.81	5.81	3.27	0.00	402.8722336.	0.017	2.60	-0.01	321.2917392.	0.014	2.38	-0.01	294.7215394.	0.012
386	5.81	5.81	2.46	0.00	302.7316860.	0.013	1.99	-0.01	245.6613077.	0.010	1.83	0.00	225.8212215.	0.010
387	5.81	5.81	1.51	0.00	185.7810139.	0.008	1.27	-0.01	156.92 8023.	0.006	1.19	-0.01	147.29 7262.	0.006
388	5.81	5.81	3.68	-0.01	454.4224558.	0.019	2.80	-0.01	345.0318537.	0.014	2.50	-0.01	309.1516220.	0.013
389	5.81	5.81	4.09	0.00	502.8927804.	0.022	3.12	-0.01	385.8420343.	0.016	2.80	-0.02	346.7017858.	0.014
390	5.81	5.81	4.32	-0.01	532.3529334.	0.023	3.32	-0.02	410.0121596.	0.017	2.98	-0.02	369.1119013.	0.015
391	5.81	5.81	4.92	-0.01	605.5333373.	0.026	3.80	-0.02	469.4824846.	0.019	3.42	-0.02	424.0122095.	0.017
392	5.81	5.81	5.08	0.00	624.9834815.	0.027	3.94	-0.01	486.6826163.	0.020	3.56	-0.02	440.4823285.	0.018
393	5.81	5.81	4.97	-0.02	614.7432443.	0.025	3.87	0.00	476.2726425.	0.021	3.50	-0.01	433.8223610.	0.018
394	5.81	5.81	4.63	-0.02	572.0730606.	0.024	3.62	-0.02	447.9523373.	0.018	3.28	-0.02	406.5220972.	0.016
395	5.81	5.81	4.05	-0.01	500.0326892.	0.021	3.18	-0.02	393.1020612.	0.016	2.89	0.00	354.8319811.	0.015
396	5.81	5.81	3.28	0.00	403.4522453.	0.018	2.59	-0.01	319.7616990.	0.013	2.36	-0.01	291.7715165.	0.012
397	5.81	5.81	3.89	0.01	474.6527928.	0.023	2.95	0.01	361.1120837.	0.017	2.64	0.00	323.2118479.	0.015
398	5.81	5.81	4.24	0.01	519.9629700.	0.023	3.23	0.00	396.9522318.	0.017	2.90	0.00	355.9219863.	0.016
399	5.81	5.81	4.45	0.00	546.3530786.	0.024	3.40	0.00	418.1823232.	0.018	3.05	0.00	375.4320720.	0.016
400	5.81	5.81	4.96	-0.01	611.3033526.	0.026	3.81	-0.01	469.9525485.	0.020	3.43	0.00	421.0823595.	0.018
401	5.81	5.81	5.07	-0.01	624.9734068.	0.027	3.91	-0.01	482.0126003.	0.020	3.52	0.00	432.3624228.	0.019
402	5.81	5.81	4.90	-0.01	604.4132971.	0.026	3.79	-0.01	467.2425249.	0.020	3.42	-0.01	421.5122667.	0.018
403	5.81	5.81	4.53	-0.01	557.7530495.	0.024	3.50	-0.01	431.9023398.	0.018	3.16	-0.01	389.9521027.	0.016
404	5.81	5.81	3.93	-0.01	488.9326766.	0.021	3.07	-0.01	379.1520561.	0.016	2.78	-0.01	342.5418490.	0.014
405	5.81	5.81	3.27	0.00	402.1522371.	0.017	2.54	0.00	312.3817089.	0.013	2.29	-0.01	282.4415335.	0.012
922	7.91	7.91	0.00	0.05	0.00 2863.	0.004	0.00	0.08	0.00 5082.	0.007	0.00	0.10	0.00 6074.	0.008
923	7.91	7.91	0.00	-0.03	8.56 -128.	0.000	0.00	0.02	0.00 1346.	0.002	0.00	0.04	0.00 2383.	0.003
924	7.91	7.91	0.00	-0.07	21.75 -326.	0.000	0.00	-0.02	6.30 -95.	0.000	0.00	0.00	1.14 -17.	0.000
925	7.91	7.91	0.00	-0.16	48.99 -735.	0.000	0.00	-0.11	33.05 -496.	0.000	0.00	-0.09	27.74 -416.	0.000
926	7.91	7.91	0.00	-0.21	66.29 -994.	0.000	0.00	-0.16	49.39 -741.	0.000	0.00	-0.14	43.77 -657.	0.000
927	7.91	7.91	0.00	-0.23	70.09 -1051.	0.000	0.00	-0.17	53.38 -801.	0.000	0.00	-0.15	47.79 -717.	0.000
928	7.91	7.91	0.00	-0.22	67.62 -1014.	0.000	0.00	-0.17	51.52 -773.	0.000	0.00	-0.15	46.18 -693.	0.000
929	7.91	7.91	0.00	-0.20	61.41 -921.	0.000	0.00	-0.15	46.55 -698.	0.000	0.00	-0.13	41.68 -624.	0.000
930	7.91	7.91	0.00	-0.17	52.85 -793.	0.000	0.00	-0.13	39.79 -597.	0.000	0.00	-0.11	35.43 -531.	0.000
931	7.91	7.91	0.00	-0.14	42.94 -644.	0.000	0.00	-0.10	32.09 -481.	0.000	0.00	-0.09	28.48 -427.	0.000
932	7.91	7.91	0.00	-0.10	32.00 -480.	0.000	0.00	-0.08	23.45 -352.	0.000	0.00	-0.07	20.60 -309.	0.000
933	7.91	7.91	0.00	-0.06	19.31 -290.	0.000	0.00	-0.04	13.00 -195.	0.000	0.00	-0.04	10.87 -163.	0.000
934	7.91	7.91	0.00	-0.01	3.89 -58.	0.000	0.00	0.00	0.00 70.	0.000	0.00	0.01	0.00 354.	0.000
935	7.91	7.91	0.00	0.01	0.00 733.	0.001	0.00	0.02	0.00 1409.	0.002	0.00	0.03	0.00 1637.	0.002
936	7.91	7.91	0.00	0.04	0.00 2490.	0.003	0.00	0.05	0.00 2983.	0.004	0.00	0.05	0.00 3148.	0.004
937	7.91	7.91	0.00	0.22	0.0014101.	0.019	0.00	0.17	0.0010998.	0.015	0.00	0.17	0.0010814.	0.014
938	7.91	7.91	0.00	0.11	0.00 6712.	0.009	0.00	0.08	0.00 5120.	0.007	0.00	0.08	0.00 5183.	0.007
939	7.91	7.91	0.00	0.03	0.00 1909.	0.003	0.00	0.02	0.00 1391.	0.002	0.00	0.03	0.00 1631.	0.002
940	7.91	7.91	0.00	-0.17	52.79 -792.	0.000	0.00	-0.15	45.28 -679.	0.000	0.00	-0.14	41.82 -627.	0.000
941	7.91	7.91	0.00	-0.23	70.15 -1052.	0.000	0.00	-0.18	56.65 -850.	0.000	0.00	-0.17	52.14 -782.	0.000
942	7.91	7.91	0.00	-0.23	69.84 -1048.	0.000	0.00	-0.18	54.92 -824.	0.000	0.00	-0.16	49.95 -749.	0.000
943	7.91	7.91	0.00	-0.20	62.77 -942.	0.000	0.00	-0.16	47.94 -719.	0.000	0.00	-0.14	43.00 -645.	0.000
944	7.91	7.91	0.00	-0.17	53.10 -796.	0.000	0.00	-0.13	39.57 -594.	0.000	0.00	-0.11	35.06 -526.	0.000
945	7.91	7.91	0.00	-0.14	42.38 -636.	0.000	0.00	-0.10	31.08 -466.	0.000	0.00	-0.09	27.28 -409.	0.000
946	7.91	7.91	0.00	-0.10	31.82 -477.	0.000	0.00	-0.08	23.17 -348.	0.000	0.00	-0.07	20.26 -304.	0.000
947	7.91	7.91	0.00	-0.07	21.93 -329.	0.000	0.00	-0.05	15.72 -236.	0.000	0.00	-0.04	13.65 -205.	0.000
948	7.91	7.91	0.00	-0.04	11.55 -173.	0.000	0.00	-0.02	7.23 -108.	0.000	0.00	-0.02	5.78 -87.	0.000
949	7.91	7.91	0.70	0.00	73.96 3548.	0.002	0.45	0.01	44.90 2889.	0.002	0.37	0.01	34.39 2677.	0.002
950	7.91	7.91	1.57	0.02	160.61 9269.	0.007	1.16	0.03	113.42 7674.	0.006	1.03	0.03	97.14 7150.	0.006
951	7.91	7.91	2.27	0.04	227.1414239.	0.011	1.73	0.05	165.0811857.	0.010	1.54	0.05	143.8511066.	0.009
952	7.91	7.91	0.00	0.18	0.0011263.	0.015	0.00	0.13	0.00 8457.	0.011	0.00	0.12	0.00 7521.	0.010
953	7.91	7.91	0.00	0.15	0.00 9184.	0.012	0.00	0.08	0.00 5126.	0.007	0.00	0.06	0.00 3773.	0.005
954	7.91	7.91	0.00	0.03	0.00 1726.	0.002	0.00	-0.04	12.57 -189.	0.000	0.00	-0.06	19.58 -294.	0.000
955	7.91	7.91	0.00	-0.08	25.85 -378.	0.000	0.00	-0.14	42.41 -636.	0.000	0.00	-0.16	47.94 -719.	0.000
956	7.91	7.91	0.00	-0.15	45.90 -689.	0.000	0.00	-0.18	56.90 -853.	0.000	0.00	-0.19	60.20 -993.	0.000
957	7.91	7.91	0.00	-0.17	53.66 -805.	0.000	0.00	-0.18	55.91 -839.	0.000	0.00	-0.17	51.59 -774.	0.000
958	7.91	7.91	0.00	-0.19	57.45 -862.	0.000	0.00	-0.14	44.36 -665.	0.000	0.00	-0.13	39.97 -600.	0.000
959	7.91	7.91	0.00	-0.15	45.50 -683.	0.000	0.00	-0.11	33.95 -509.	0.000	0.00	-0.10	30.09 -451.	0.000
960	7.91	7.91	0.00	-0.11	33.02 -495.	0.000	0.00	-0.08	24.03 -360.	0.000	0.00	-0.07	21.01 -315.	0.000
961	7.91	7.91	0.75	-0.07	74.75 549.	0.000	0.67	-0.05	68.04 798.	0.001	0.64	-0.05	66.03 914.	0.001
962	7.91	7.91	2.39	-0.05	259.77 9391.	0.006	1.97	-0.04	214.09 7923.	0.005	1.83	-0.03	198.83 7439.	0.005
963	7.91	7.91	3.59	-0.03	385.4216711.	0.011	2.91	-0.02	312.0213711.	0.009	2.69	-0.02	287.5412708.	0.009
964	7.91	7.91	4.05	0.00	429.2520428.	0.014	3.23	0.00	341.3916655.	0.011	2.96	0.00	312.0815398.	0.011
965	7.91	7.91	4.31	0.01	452.5022708.	0.016	3.42	0.02	356.8918595.	0.013	3.12	0.02	324.9717220.	0.012
966	7.91	7.91	4.33	0.02	453.2023314.	0.016	3.41	0.03	351.7519448.	0.014	3.10	0.03	318.4818012.	0.013
967	13.72	13.72	0.00	0.05	0.00 1818.	0.001	0.00	0.04	0.00 1498.	0.001	0.00	0.04	0.00 1388.	0.001
968	13.72	13.72	0.00	0.06	0.00 2099.	0.002	0.00	0.03	0.00 1202.	0.001	0.00	0.02	0.00 907.	0.001
969	13.72	13.72	0.00	0.02	0.00 576.	0.000	0.00	-0.02	5.57 -84.	0.000	0.00	-0.03	8.97 -135.	0.000
970	13.72	13.72	0.00	-0.04	10.26 -154.	0.000	0.00	-0.07	20.93 -314.	0.000	0.00	-0.08	24.47 -367.	0.000
971	13.72	13.72	0.00	-0.08	23.01 -345.	0.000	0.00	-0.11	31.69 -475.	0.000	0.00	-0.12	34.56 -518.	0.000
972	13.72	13.72	0.00	-0.10	28.31 -425.	0.000	0.00	-0.12	34.76 -521.	0.000	0.00	-0.13	36.90 -554.	

377	6.13	6.13	7.12	0.05	839.9350806.	0.040	5.49	0.05	644.8240108.	0.032	4.95	0.05	580.2836391.	0.029
378	6.13	6.13	8.95	0.151025.	7571015.	0.060	7.07	0.19	781.0261422.	0.055	6.44	0.20	692.3858951.	0.054
379	6.13	6.13	9.11	-0.081104.	9852989.	0.039	7.06	-0.07	856.1840478.	0.030	6.37	-0.07	772.9836497.	0.027
380	6.13	6.13	6.89	-0.07	835.7339267.	0.029	5.34	-0.05	647.6830852.	0.023	4.83	-0.05	584.9828004.	0.021
381	6.13	6.13	5.36	-0.07	652.14249630.	0.022	4.18	-0.05	507.1723806.	0.018	3.78	-0.04	458.7821866.	0.016
382	6.13	6.13	4.43	-0.06	538.8124653.	0.018	3.47	-0.05	421.7718997.	0.014	3.15	-0.04	382.3517575.	0.013
383	6.13	6.13	4.01	-0.04	486.1223336.	0.017	3.14	-0.03	380.7118399.	0.014	2.85	-0.02	345.5816756.	0.012
384	6.13	6.13	4.09	-0.02	493.7425270.	0.019	3.20	-0.01	384.5920276.	0.015	2.90	0.00	348.1618615.	0.014
385	6.13	6.13	4.78	-0.01	573.7630718.	0.023	3.71	-0.01	446.1423829.	0.018	3.36	0.00	403.1221729.	0.016
386	6.13	6.13	6.29	-0.01	755.1740692.	0.030	4.88	0.01	581.9232873.	0.025	4.41	0.02	523.9830267.	0.023
387	6.13	6.13	7.65	-0.07	926.9244467.	0.033	5.98	-0.04	723.1436066.	0.027	5.43	-0.02	653.8133891.	0.025
388	6.13	6.13	10.18	-0.081232.	5760249.	0.045	7.90	-0.07	957.6545938.	0.034	7.14	-0.07	865.9541167.	0.031
389	6.13	6.13	7.41	-0.08	899.6941866.	0.031	5.75	-0.07	698.9532223.	0.024	5.20	-0.06	631.8329189.	0.022
390	6.13	6.13	5.56	-0.08	676.4630389.	0.023	4.33	-0.06	527.1123559.	0.017	3.92	-0.05	477.1321540.	0.016
391	6.13	6.13	4.47	-0.06	543.7424266.	0.018	3.50	-0.05	425.3018763.	0.014	3.17	-0.05	385.8116927.	0.013
392	6.13	6.13	4.00	-0.05	486.2822287.	0.017	3.13	-0.04	380.4117642.	0.013	2.84	-0.03	345.1116096.	0.012
393	6.13	6.13	4.11	-0.04	498.7627478.	0.018	3.21	-0.02	388.4619118.	0.014	2.91	-0.02	351.6317581.	0.013
394	6.13	6.13	4.79	-0.04	580.7827942.	0.021	3.73	-0.02	450.2122606.	0.017	3.37	-0.02	406.5620832.	0.015
395	6.13	6.13	5.83	-0.08	708.1432192.	0.024	4.52	-0.05	548.8625938.	0.019	4.09	-0.04	495.6523855.	0.018
396	6.13	6.13	6.20	-0.12	755.1430999.	0.023	4.81	-0.08	585.7524970.	0.019	4.35	-0.07	529.1922966.	0.017
397	6.13	6.13	11.21	-0.081355.	0967355.	0.050	8.71	-0.071054.	6151555.	0.038	7.88	-0.07	954.3946291.	0.034
398	6.13	6.13	7.86	-0.08	953.9044784.	0.033	6.11	-0.08	742.5534023.	0.025	5.53	-0.07	672.0330431.	0.023
399	6.13	6.13	5.69	-0.08	692.4030698.	0.023	4.44	-0.07	540.1623369.	0.017	4.02	-0.07	489.3720926.	0.016
400	6.13	6.13	4.45	-0.08	641.4623041.	0.017	3.48	-0.06	423.6017806.	0.013	3.16	-0.06	384.3216061.	0.012
401	6.13	6.13	3.93	-0.07	477.9820037.	0.015	3.07	-0.06	374.2715838.	0.012	2.79	-0.05	339.7814438.	0.011
402	6.13	6.13	4.00	-0.08	487.4420360.	0.015	3.13	-0.05	380.7316339.	0.012	2.84	-0.05	345.1315003.	0.011
403	6.13	6.13	4.53	-0.09	551.7022394.	0.017	3.53	-0.07	429.5418009.	0.013	3.19	-0.06	388.7616546.	0.012
404	6.13	6.13	5.10	-0.13	620.7423404.	0.017	3.96	-0.09	482.2518707.	0.014	3.58	-0.08	439.0517143.	0.013
405	6.13	6.13	4.81	-0.17	579.7318399.	0.014	3.72	-0.13	448.5814588.	0.011	3.35	-0.11	404.8413317.	0.010
922	6.13	6.13	11.60	0.241313.	6695118.	0.082	8.82	0.34	913.8885423.	0.080	7.90	0.39	752.9138887.	0.082
923	6.13	6.13	6.84	0.23	726.5663878.	0.059	5.31	0.29	485.5458403.	0.058	4.80	0.32	369.3258513.	0.060
924	6.13	6.13	4.65	0.15	501.2342338.	0.039	3.64	0.19	337.2439533.	0.039	3.30	0.21	267.4139191.	0.040
925	6.13	6.13	3.47	0.09	381.2320424.	0.027	2.74	0.13	263.6128745.	0.028	2.49	0.15	215.1828504.	0.029
926	6.13	6.13	2.65	0.06	298.3022030.	0.019	2.11	0.09	212.3821080.	0.020	1.92	0.10	177.9620986.	0.021
927	6.13	6.13	1.83	0.03	209.3914462.	0.012	1.48	0.06	153.3914323.	0.013	1.37	0.07	130.3914472.	0.014
928	6.13	6.13	0.73	0.00	86.55 5021.	0.004	0.65	0.03	64.08 6601.	0.006	0.62	0.04	49.30 7427.	0.008
929	6.13	6.13	0.64	-0.01	78.12 3250.	0.002	0.65	0.03	64.99 6549.	0.006	0.65	0.05	48.71 8044.	0.008
930	6.13	6.13	1.42	0.01	168.49 9875.	0.008	1.23	0.05	124.2612384.	0.012	1.17	0.07	100.7013476.	0.014
931	6.13	6.13	2.67	0.02	314.8019046.	0.015	2.18	0.05	242.5218672.	0.017	2.02	0.07	215.4318662.	0.017
932	6.13	6.13	3.61	0.02	426.822564.	0.020	2.89	0.05	331.8022776.	0.019	2.65	0.06	298.8521931.	0.019
933	6.13	6.13	4.20	0.03	495.5430127.	0.024	3.33	0.05	382.8826146.	0.022	3.04	0.06	344.3424857.	0.021
934	6.13	6.13	4.65	0.06	541.7134940.	0.029	3.66	0.07	414.4929959.	0.026	3.33	0.08	372.2628116.	0.025
935	6.13	6.13	5.05	0.05	590.83377191.	0.030	3.96	0.06	456.7230835.	0.026	3.60	0.06	411.6728718.	0.024
936	6.13	6.13	5.52	0.02	657.2137716.	0.029	4.35	0.03	514.1430698.	0.024	3.96	0.03	466.3328360.	0.024
937	6.13	6.13	11.54	0.201321.	3391396.	0.078	8.83	0.29	942.0681673.	0.075	7.92	0.33	797.3279433.	0.076
938	6.13	6.13	5.79	0.23	595.6856451.	0.053	4.48	0.23	414.5448767.	0.048	4.04	0.26	323.5348358.	0.050
939	6.13	6.13	3.42	0.14	343.9534164.	0.033	2.66	0.18	208.8432157.	0.033	2.41	0.19	143.8328026.	0.034
940	6.13	6.13	2.25	0.09	228.692389.	0.021	1.77	0.13	127.6422186.	0.023	1.61	0.14	74.97272427.	0.024
941	6.13	6.13	1.51	0.06	156.5714494.	0.014	1.20	0.09	81.7615358.	0.016	1.10	0.10	37.7415858.	0.017
942	6.13	6.13	0.74	0.03	75.28 7368.	0.007	0.62	0.06	11.84 9265.	0.010	0.58	0.07	0.0010011.	0.011
943	6.13	6.13	0.00	0.01	0.00 873.	0.001	0.00	0.05	0.00 3705.	0.005	0.00	0.06	0.00 4930.	0.007
944	6.13	6.13	0.00	0.00	0.00 488.	0.001	0.05	0.05	0.00 4447.	0.006	0.10	0.07	0.00 6344.	0.009
945	6.13	6.13	0.19	0.02	7.88 2730.	0.003	0.28	0.06	0.00 7048.	0.009	0.30	0.08	0.00 8658.	0.011
946	6.13	6.13	2.31	0.01	273.0516278.	0.013	1.90	0.04	213.3615853.	0.014	1.76	0.05	191.4415782.	0.014
947	6.13	6.13	3.36	0.01	398.8423062.	0.018	2.69	0.03	312.3320370.	0.017	2.46	0.04	282.6119519.	0.017
948	6.13	6.13	4.09	0.02	484.7828419.	0.022	3.24	0.04	376.6024505.	0.020	2.96	0.05	339.7623236.	0.020
949	6.13	6.13	4.78	0.04	562.6234413.	0.027	3.77	0.06	435.2029132.	0.024	3.43	0.06	392.7627255.	0.023
950	6.13	6.13	5.57	0.03	660.5838617.	0.030	4.39	0.04	516.3431785.	0.025	4.00	0.04	468.0829502.	0.024
951	6.13	6.13	6.63	-0.01	795.1742780.	0.032	5.27	0.00	630.1534691.	0.026	4.81	0.01	575.0931992.	0.024
952	6.13	6.13	10.60	0.171220.	5082855.	0.070	8.11	0.24	883.6672364.	0.065	7.28	0.27	756.5070091.	0.066
953	6.13	6.13	4.84	0.20	492.9047887.	0.045	3.73	0.22	325.1642418.	0.043	3.36	0.22	266.7940302.	0.041
954	6.13	6.13	2.38	0.13	211.9126675.	0.027	1.84	0.16	96.6925055.	0.027	1.65	0.17	13.5025085.	0.028
955	6.13	6.13	1.20	0.08	90.8714669.	0.015	0.93	0.11	0.0015465.	0.018	0.84	0.13	0.0015949.	0.019
956	6.13	6.13	0.56	0.05	30.54 7629.	0.008	0.45	0.08	0.00 9454.	0.011	0.41	0.09	0.0010245.	0.013
957	6.13	6.13	0.25	0.02	10.45 3505.	0.004	0.22	0.05	0.00 5795.	0.007	0.21	0.06	0.00 6723.	0.009
958	6.13	6.13	0.00	0.01	0.00 873.	0.001	0.00	0.05	0.00 3705.	0.005	0.00	0.06	0.00 4930.	0.007
959	6.13	6.13	0.00	0.00	0.00 488.	0.001	0.05	0.05	0.00 4447.	0.006	0.10	0.07	0.00 6344.	0.009
960	6.13	6.13	0.19	0.02	7.88 2730.	0.003	0.28	0.06	0.00 7048.	0.009	0.30	0.08	0.00 8658.	0.011
961	6.13	6.13	2.34	0.01	279.0415962.	0.012	1.91	0.03	220.7814860.	0.012	1.77	0.04	200.3114530.	0.013
962	6.13	6.13	3.13	0.00	373.7520871.	0.016	2.50	0.02	293.9718262.	0.015	2.30	0.03	266.7817420.	0.014
963	6.13	6.13	3.91	0.01	466.1226227.	0.020	3.10	0.03	363.4922554.	0.018	2.83	0.04	328.5923172.	0.018
964	6.13	6.13	4.82	0.02	572.1133236.	0.026	3.80	0.04	445.5427941.	0.023	3.46	0.04	403.3226094.	0.021
965	6.13	6.13	5.98	0.01	715.1339650.	0.030	4.73	0.02	562.7732452.	0.025	4.32	0.02	511.8430058.	0.023
966	6.13	6.13	7.58	-0.03	913.2047448.	0.035	6.06	-0.02	728.5538402.	0.029	5.55	-0.01	666.9735393.	0.026
967	6.13	6.13	10.30	0.111283.	8876539.	0.062	7.93	0.19	882.6767744.	0.060	7.14	0.22	768.3965086.	0.059
968	6.13	6.13	3.74	0.18	361.4539137.	0.038	2.86	0.22	180.8937416.	0.039	2.57	0.24	93.1923682.	0.040
969	6.13	6.13	0.											

375	5.81	5.81	8.56	-0.041059.5555549.	0.043	6.60	-0.06	819.8140479.	0.032	5.94	-0.07	739.4835459.	0.028		
376	5.81	5.81	9.08	0.001117.0862213.	0.049	7.00	-0.03	864.8645917.	0.036	6.30	-0.04	780.4940493.	0.032		
377	5.81	5.81	8.09	0.021088.3463076.	0.050	6.84	-0.01	841.3746688.	0.036	6.15	-0.01	758.7841235.	0.032		
378	5.81	5.81	8.26	0.021010.4158832.	0.047	6.33	0.00	778.3343294.	0.034	5.68	0.00	698.7339019.	0.030		
379	5.81	5.81	5.53	-0.04	685.5335204.	0.028	4.21	-0.03	522.6526415.	0.021	3.77	-0.03	468.3023519.	0.018	
380	5.81	5.81	5.65	-0.04	700.6835475.	0.028	4.30	-0.05	535.3825839.	0.020	3.86	-0.04	479.8422953.	0.018	
381	5.81	5.81	5.74	-0.04	711.7135976.	0.028	4.37	-0.05	544.3025852.	0.020	3.92	-0.05	488.2022480.	0.018	
382	5.81	5.81	6.00	-0.04	744.2537733.	0.029	4.58	-0.05	569.9727074.	0.021	4.11	-0.06	511.5323530.	0.018	
383	5.81	5.81	6.14	-0.03	759.7639743.	0.031	4.69	-0.04	582.4528682.	0.022	4.20	-0.05	523.0425004.	0.020	
384	5.81	5.81	6.14	-0.01	756.1341500.	0.032	4.68	-0.02	579.8130229.	0.024	4.20	-0.03	520.8226474.	0.021	
385	5.81	5.81	5.83	0.00	717.1339965.	0.031	4.44	-0.01	546.8430042.	0.023	3.98	-0.01	490.7826383.	0.021	
386	5.81	5.81	5.14	0.00	631.4835303.	0.028	3.89	-0.01	479.3126180.	0.020	3.47	0.00	427.6923538.	0.018	
387	5.81	5.81	4.21	0.00	518.3628795.	0.022	3.16	-0.01	389.8921080.	0.016	2.81	-0.01	347.1418450.	0.014	
388	5.81	5.81	5.73	-0.01	705.6038647.	0.030	4.37	-0.01	538.5829391.	0.023	3.92	-0.01	483.5425996.	0.020	
389	5.81	5.81	5.67	0.00	696.9638691.	0.030	4.33	-0.01	534.1428656.	0.022	3.88	-0.02	479.7825313.	0.020	
390	5.81	5.81	5.58	-0.01	686.6837991.	0.030	4.26	-0.02	526.5328127.	0.022	3.82	-0.02	473.0624835.	0.019	
391	5.81	5.81	5.45	-0.01	670.2237002.	0.029	4.17	-0.02	514.7127381.	0.021	3.74	-0.02	462.7724177.	0.019	
392	5.81	5.81	5.18	0.00	637.4735516.	0.028	3.97	-0.01	489.6326328.	0.021	3.56	-0.02	440.2523273.	0.018	
393	5.81	5.81	4.78	-0.02	590.8731106.	0.024	3.65	0.00	449.2924911.	0.019	3.28	-0.01	403.7922038.	0.017	
394	5.81	5.81	4.16	-0.02	514.2227363.	0.021	3.17	-0.02	392.6920279.	0.016	2.84	-0.02	352.1117927.	0.014	
395	5.81	5.81	3.33	-0.01	411.9321953.	0.017	2.52	-0.02	312.4316094.	0.013	2.25	0.00	276.7715342.	0.012	
396	5.81	5.81	2.39	0.00	294.5916346.	0.013	1.78	-0.01	220.9311453.	0.009	1.58	-0.01	196.24	9819.	0.008
397	5.81	5.81	5.18	0.01	633.9736862.	0.029	3.96	0.01	485.3327805.	0.022	3.55	0.00	435.7524792.	0.020	
398	5.81	5.81	5.21	0.01	639.3436397.	0.029	3.99	0.00	490.0327540.	0.022	3.58	0.00	440.2424553.	0.019	
399	5.81	5.81	5.18	0.00	635.5935792.	0.028	3.97	0.00	487.6227128.	0.021	3.56	0.00	438.2824246.	0.019	
400	5.81	5.81	5.18	-0.01	637.9335021.	0.027	3.98	-0.01	490.5126638.	0.021	3.58	0.00	439.6124635.	0.019	
401	5.81	5.81	4.91	-0.01	605.5332977.	0.026	3.78	-0.01	466.1925116.	0.020	3.40	0.00	417.7623408.	0.018	
402	5.81	5.81	4.49	-0.01	553.3130105.	0.024	3.45	-0.01	426.1322944.	0.018	3.11	-0.01	383.7320548.	0.016	
403	5.81	5.81	3.90	-0.01	481.3326208.	0.020	3.00	-0.01	370.4119950.	0.016	2.70	-0.01	333.4317858.	0.014	
404	5.81	5.81	3.18	-0.01	392.3921351.	0.017	2.44	-0.01	301.3016196.	0.013	2.19	-0.01	270.9414476.	0.011	
405	5.81	5.81	2.37	0.00	291.9416188.	0.013	1.81	0.00	223.2312089.	0.009	1.62	-0.01	200.28010727.	0.008	
922	7.91	7.91	10.50	0.051098.0556471.	0.040	8.82	0.08	910.6350058.	0.036	8.26	0.10	846.0248177.	0.036		
923	7.91	7.91	12.43	-0.031319.6561835.	0.042	10.38	0.021092.6254392.	0.037	9.70	0.041016.4551923.	0.036	0.001141.5854941.	0.037		
924	7.91	7.91	13.86	-0.071480.0566589.	0.045	11.56	-0.021226.4457847.	0.039	10.79	0.001141.5854941.	0.037	0.001141.5854941.	0.037		
925	7.91	7.91	16.91	-0.161817.1976843.	0.052	14.03	-0.111503.8665227.	0.044	13.07	-0.091399.3261357.	0.041	0.001141.5854941.	0.037		
926	7.91	7.91	18.66	-0.212011.3842466.	0.056	15.48	-0.161665.9769483.	0.047	14.42	-0.141550.8165155.	0.044	0.001141.5854941.	0.037		
927	7.91	7.91	19.35	-0.232086.1085248.	0.057	16.07	-0.171730.6871739.	0.048	14.98	-0.151612.1667241.	0.045	0.001141.5854941.	0.037		
928	7.91	7.91	19.18	-0.222067.4684878.	0.057	15.97	-0.171718.8571568.	0.048	14.90	-0.151602.6467128.	0.045	0.001141.5854941.	0.037		
929	7.91	7.91	18.27	-0.201967.7181411.	0.055	15.25	-0.151640.6468876.	0.046	14.25	-0.131531.5864703.	0.044	0.001141.5854941.	0.037		
930	7.91	7.91	18.00	-0.171934.9681675.	0.055	14.99	-0.131609.4968842.	0.046	13.99	-0.111500.9864566.	0.044	0.001141.5854941.	0.037		
931	7.91	7.91	17.08	-0.141832.7178883.	0.053	14.16	-0.101517.1766079.	0.045	13.18	-0.091412.1561812.	0.042	0.001141.5854941.	0.037		
932	7.91	7.91	15.46	-0.101654.7572735.	0.049	12.76	-0.081364.0260607.	0.041	11.86	-0.071267.1056563.	0.038	0.001141.5854941.	0.037		
933	7.91	7.91	13.18	-0.061405.8963557.	0.043	10.82	-0.041152.5052739.	0.036	10.03	-0.041068.0149140.	0.033	0.001141.5854941.	0.037		
934	7.91	7.91	10.36	-0.011098.5152218.	0.035	8.46	0.00	894.0043134.	0.029	7.82	0.01	825.8248043.	0.027		
935	7.91	7.91	8.92	0.01	939.8646295.	0.032	7.24	0.02	760.0138386.	0.027	6.68	0.03	699.9935753.	0.025	
936	7.91	7.91	7.30	0.04	762.1039764.	0.028	5.89	0.05	610.2433031.	0.024	5.42	0.05	559.5330789.	0.022	
937	7.91	7.91	18.10	0.221848.99#####.	0.079	13.94	0.171423.6082038.	0.061	12.55	0.171277.0574786.	0.056	0.001141.5854941.	0.037		
938	7.91	7.91	17.35	0.111806.2295211.	0.068	13.46	0.081401.6973780.	0.052	12.16	0.081264.1267218.	0.048	0.001141.5854941.	0.037		
939	7.91	7.91	16.63	0.031750.3186845.	0.060	12.97	0.021365.8467654.	0.046	11.75	0.031236.0561657.	0.042	0.001141.5854941.	0.037		
940	7.91	7.91	15.31	-0.171649.8767983.	0.046	12.13	-0.151308.3953187.	0.036	11.07	-0.141194.1648439.	0.033	0.001141.5854941.	0.037		
941	7.91	7.91	13.86	-0.231501.2257259.	0.039	11.08	-0.181200.4945677.	0.031	10.16	-0.171100.2641818.	0.028	0.001141.5854941.	0.037		
942	7.91	7.91	12.42	-0.231347.3450006.	0.034	10.01	-0.181085.1240539.	0.027	9.20	-0.16	997.7273384.	0.025	0.001141.5854941.	0.037	
943	7.91	7.91	10.93	-0.201185.3543731.	0.029	8.86	-0.16	960.5136019.	0.024	8.17	-0.14	885.5433449.	0.023		
944	7.91	7.91	9.94	-0.171077.8140558.	0.027	8.26	-0.13	893.6434531.	0.023	7.66	-0.11	828.6932356.	0.022		
945	7.91	7.91	10.41	-0.141124.0344962.	0.030	8.50	-0.10	916.2637382.	0.025	7.86	-0.09	846.9734862.	0.023		
946	7.91	7.91	10.35	-0.101113.6746707.	0.031	8.40	-0.08	902.4138412.	0.026	7.75	-0.07	831.9635651.	0.024		
947	7.91	7.91	9.90	-0.071061.0146324.	0.031	7.99	-0.05	854.6537745.	0.025	7.35	-0.04	785.8534885.	0.024		
948	7.91	7.91	9.06	-0.04	965.5944037.	0.030	7.26	-0.02	772.5535691.	0.024	6.66	-0.02	708.1932912.	0.022	
949	7.91	7.91	7.82	0.00	826.4239937.	0.027	6.22	0.01	655.0732349.	0.022	5.68	0.01	597.9229820.	0.021	
950	7.91	7.91	7.19	0.02	755.4037978.	0.026	5.69	0.03	594.7630804.	0.022	5.19	0.03	541.1428418.	0.020	
951	7.91	7.91	6.47	0.04	672.6035641.	0.025	5.09	0.05	524.7528999.	0.021	4.63	0.05	475.3426786.	0.020	
952	7.91	7.91	20.01	0.182066.56#####.	0.082	15.65	0.131618.5988272.	0.064	14.20	0.121466.2779940.	0.058	0.001141.5854941.	0.037		
953	7.91	7.91	18.65	0.151932.98#####.	0.075	14.55	0.081517.0379355.	0.056	13.18	0.061378.1771042.	0.050	0.001141.5854941.	0.037		
954	7.91	7.91	16.15	0.031701.0584251.	0.058	12.54	-0.041334.4261629.	0.042	11.34	-0.061211.3654101.	0.036	0.001141.5854941.	0.037		
955	7.91	7.91	12.63	-0.081351.7959482.	0.040	9.78	-0.141057.0641751.	0.028	8.83	-0.16	957.3735870.	0.024	0.001141.5854941.	0.037	
956	7.91	7.91	9.69	-0.151049.0540649.	0.027	7.51	-0.18	816.6127497.	0.019	6.78	-0.19	737.5323225.	0.016		
957	7.91	7.91	6.76	-0.17	735.7624331.	0.016	5.25	-0.18	569.8716325.	0.011	4.74	-0.17	514.8014569.	0.010	
958	7.91	7.91	5.02	-0.19	544.1114919.	0.010	3.92	-0.14	425.4111756.	0.008	3.56	-0.13	385.9310709.	0.007	
959	7.91	7.91	4.68	-0.15	508.7815325.	0.010	3.72	-0.11	404.8812591.	0.008	3.40	-0.10	370.4111691.	0.008	
960	7.91	7.91	5.78	-0.11	626.5423146.	0.016	4.57	-0.08	494.9618696.	0.013	4.16	-0.07	451.0617219.	0.012	
961	7.91	7.91	6.12	-0.07	659.6427018.	0.018	4.82	-0.05	518.8921516.	0.014	4.39	-0.05	471.9719684.	0.013	
962	7.91	7.91	6.34	-0.05	679.2129502.	0.020	4.96	-0.04	532.0423182.	0.016	4.51	-0.03	482.9721082.	0.014	
963	7.91	7.91	6.33	-0.03	674.4930665.	0.021	4.94	-0.02	525.9124039.	0.016	4.47	-0.02	476.4021829.	0.015	
964	7.91	7.91	5.99	0.00	634.4830352.	0.020	4.65	0.00	491.5023914.	0.016					

ARMATURA INFERIORE ORIZZONTALE

GUSCI	Af	Afc	Mom	COMBINAZIONE RARA				COMBINAZIONE FREQUENTE				COMBINAZIONE QUASI PERMANENTE					
				Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
406	6.13	6.13	1.05	0.11	0.0016446.	0.018		1.03	0.09	53.0514126.	0.015		1.02	0.08	65.5613344.	0.014	
407	6.13	6.13	1.07	0.15	0.0019511.	0.023		1.07	0.12	0.0017154.	0.019		1.07	0.11	1.3916368.	0.018	
408	6.13	6.13	1.11	0.17	0.0021312.	0.025		1.13	0.14	0.0018811.	0.021		1.13	0.12	0.0017773.	0.020	
409	6.13	6.13	1.13	0.18	0.0022700.	0.027		1.16	0.13	0.0018355.	0.021		1.17	0.11	33.5717062.	0.019	
410	6.13	6.13	1.11	0.19	0.0023323.	0.028		1.15	0.14	0.0019186.	0.022		1.17	0.12	0.0017965.	0.020	
411	6.13	6.13	1.04	0.24	0.0026620.	0.033		1.12	0.18	0.0022035.	0.026		1.14	0.16	0.0020689.	0.024	
412	6.13	6.13	1.04	0.31	0.0032298.	0.041		1.14	0.26	0.0029008.	0.036		1.18	0.24	0.0027914.	0.034	
413	6.13	6.13	1.01	0.44	0.0042413.	0.056		1.31	0.38	0.0039586.	0.050		1.41	0.36	0.0038649.	0.048	
414	6.13	6.13	3.91	0.80	0.0092192.	0.113		3.94	0.72	0.0085535.	0.103		3.95	0.69	0.0083310.	0.100	
415	6.13	6.13	1.34	0.09	99.9316552.	0.017		1.33	0.07	124.6014423.	0.014		1.33	0.06	131.0313717.	0.013	
416	6.13	6.13	1.21	0.13	0.0019032.	0.021		1.22	0.10	63.1516765.	0.018		1.23	0.10	79.2915996.	0.017	
417	6.13	6.13	1.16	0.16	0.0020628.	0.024		1.18	0.12	0.0018223.	0.020		1.19	0.11	38.9617292.	0.019	
418	6.13	6.13	1.12	0.18	0.0021899.	0.026		1.16	0.12	0.0017740.	0.020		1.17	0.10	51.6116461.	0.018	
419	6.13	6.13	1.08	0.18	0.0022215.	0.026		1.13	0.13	0.0018294.	0.021		1.15	0.11	23.0617130.	0.019	
420	6.13	6.13	1.03	0.22	0.0024804.	0.030		1.11	0.16	0.0020592.	0.024		1.14	0.14	0.0019353.	0.022	
421	6.13	6.13	1.07	0.28	0.0038371.	0.038		1.18	0.23	0.0027049.	0.033		1.22	0.21	0.0025457.	0.030	
422	6.13	6.13	1.12	0.39	0.0039145.	0.051		1.39	0.33	0.0036121.	0.045		1.48	0.31	0.0035111.	0.043	
423	6.13	6.13	3.30	0.67	0.0077449.	0.095		3.37	0.60	0.0071518.	0.086		3.39	0.57	0.0069541.	0.083	
424	6.13	6.13	1.59	0.07	155.0416574.	0.016		1.61	0.05	172.8514750.	0.014		1.62	0.04	177.7614145.	0.013	
425	6.13	6.13	1.32	0.11	64.8618279.	0.020		1.36	0.09	109.6516151.	0.017		1.37	0.08	120.7115449.	0.015	
426	6.13	6.13	1.19	0.14	0.0019606.	0.022		1.23	0.11	53.5017259.	0.019		1.24	0.10	76.4216352.	0.017	
427	6.13	6.13	1.10	0.16	0.0020699.	0.024		1.15	0.11	36.9116735.	0.018		1.17	0.09	70.7515499.	0.016	
428	6.13	6.13	1.04	0.17	0.0020863.	0.025		1.11	0.12	0.0017126.	0.019		1.13	0.10	48.2415964.	0.017	
429	6.13	6.13	1.00	0.20	0.0022961.	0.028		1.09	0.14	0.0018996.	0.022		1.13	0.12	0.0017827.	0.020	
430	6.13	6.13	1.05	0.26	0.0028055.	0.035		1.17	0.20	0.0024265.	0.029		1.21	0.18	0.0022713.	0.027	
431	6.13	6.13	1.10	0.34	0.0035468.	0.046		1.35	0.28	0.0032310.	0.040		1.43	0.26	0.0031254.	0.038	
432	6.13	6.13	2.80	0.58	0.0066327.	0.081		2.89	0.50	0.0060811.	0.073		2.92	0.48	0.0058968.	0.070	
433	6.13	6.13	2.10	0.04	237.1917304.	0.015		2.16	0.02	252.4815965.	0.013		2.18	0.02	256.9915527.	0.012	
434	6.13	6.13	1.59	0.09	144.1917560.	0.017		1.65	0.06	172.6615775.	0.015		1.67	0.05	180.5915185.	0.014	
435	6.13	6.13	1.28	0.12	45.9318378.	0.020		1.34	0.09	107.3116106.	0.016		1.37	0.08	121.3915351.	0.015	
436	6.13	6.13	1.09	0.14	0.0019132.	0.022		1.16	0.09	66.6215540.	0.017		1.18	0.08	91.6314393.	0.015	
437	6.13	6.13	0.97	0.15	0.0018948.	0.022		1.06	0.10	28.1215529.	0.017		1.09	0.09	64.7114400.	0.015	
438	6.13	6.13	0.92	0.17	0.0020811.	0.024		1.04	0.12	0.0016676.	0.019		1.07	0.10	33.1015614.	0.017	
439	6.13	6.13	0.99	0.20	0.0023337.	0.029		1.14	0.14	0.0019528.	0.022		1.18	0.13	0.0018386.	0.020	
440	6.13	6.13	1.26	0.26	0.0029613.	0.036		1.45	0.20	0.0025957.	0.030		1.51	0.18	0.0024744.	0.028	
441	6.13	6.13	2.00	0.33	0.0040114.	0.048		2.14	0.26	0.0035749.	0.041		2.19	0.24	0.0034300.	0.038	
442	6.13	6.13	2.36	0.02	277.1717259.	0.014		2.44	0.00	291.9316231.	0.012		2.47	0.00	296.4715888.	0.012	
443	6.13	6.13	1.70	0.07	174.3716623.	0.016		1.78	0.04	198.8215049.	0.013		1.80	0.03	205.7814538.	0.012	
444	6.13	6.13	1.30	0.10	79.9117169.	0.018		1.38	0.07	128.0215021.	0.015		1.41	0.06	139.9814311.	0.014	
445	6.13	6.13	1.07	0.13	0.0017877.	0.020		1.15	0.08	82.5714448.	0.015		1.18	0.07	103.2613383.	0.013	
446	6.13	6.13	0.94	0.14	0.0017582.	0.021		1.04	0.09	50.6214349.	0.015		1.07	0.08	78.5513316.	0.014	
447	6.13	6.13	0.91	0.15	0.0018469.	0.022		1.03	0.10	22.3215318.	0.017		1.07	0.09	63.2414292.	0.015	
448	6.13	6.13	1.01	0.17	0.0020796.	0.025		1.16	0.12	13.0617462.	0.019		1.21	0.10	65.2716381.	0.017	
449	6.13	6.13	1.23	0.21	0.0025462.	0.030		1.41	0.14	14.0721278.	0.023		1.46	0.12	79.1519890.	0.021	
450	6.13	6.13	1.35	0.26	0.0030014.	0.036		1.52	0.19	0.0025999.	0.030		1.58	0.17	0.0024664.	0.027	
451	6.13	6.13	2.59	0.01	309.1517403.	0.013		2.70	-0.01	325.4516690.	0.012		2.73	-0.02	330.5916459.	0.012	
452	6.13	6.13	1.79	0.05	197.7315557.	0.014		1.89	0.02	219.7714220.	0.012		1.92	0.02	226.1913790.	0.011	
453	6.13	6.13	1.31	0.08	106.5515624.	0.016		1.41	0.05	145.6513616.	0.013		1.44	0.04	155.7412962.	0.012	
454	6.13	6.13	1.04	0.11	0.0016219.	0.018		1.14	0.07	98.9112983.	0.013		1.17	0.05	115.4412000.	0.012	
455	6.13	6.13	0.91	0.12	0.0015962.	0.018		1.02	0.07	71.2512869.	0.013		1.05	0.06	92.7711886.	0.012	
456	6.13	6.13	0.89	0.13	0.0016702.	0.019		1.02	0.08	57.4913649.	0.015		1.06	0.07	84.5812652.	0.013	
457	6.13	6.13	0.96	0.14	0.0018360.	0.021		1.11	0.09	60.2215132.	0.016		1.16	0.08	91.1514080.	0.014	
458	6.13	6.13	1.06	0.17	0.0020819.	0.025		1.23	0.11	59.1617011.	0.018		1.28	0.09	97.5015742.	0.016	
459	6.13	6.13	0.90	0.20	0.0022727.	0.028		1.08	0.14	0.0018777.	0.022		1.14	0.12	0.0017457.	0.019	
625	6.13	6.13	1.69	1.10	0.00#####.	0.138		1.99	0.99	0.0094575.	0.126		2.10	0.96	0.0092277.	0.123	
626	6.13	6.13	1.56	0.88	0.0082651.	0.111		1.70	0.79	0.0076383.	0.102		1.75	0.76	0.0074291.	0.098	
627	6.13	6.13	1.11	0.69	0.0063565.	0.086		1.23	0.62	0.0058589.	0.078		1.26	0.59	0.0056509.	0.075	
628	6.13	6.13	0.77	0.54	0.0049183.	0.067		0.89	0.46	0.0043992.	0.059		0.93	0.44	0.0042118.	0.056	
629	6.13	6.13	0.47	0.43	0.0038460.	0.053		0.61	0.36	0.0033769.	0.046		0.65	0.34	0.0032147.	0.043	
630	6.13	6.13	0.56	0.36	0.0033012.	0.045		0.43	0.30	0.0026999.	0.037		0.38	0.27	0.0024914.	0.034	
631	6.13	6.13	0.87	0.31	0.0030983.	0.040		0.75	0.25	0.0025676.	0.033		0.71	0.23	0.0023701.	0.031	
632	6.13	6.13	1.14	0.27	0.0030018.	0.037		1.02	0.23	0.0025558.	0.032		0.98	0.21	0.0023628.	0.029	
633	6.13	6.13	1.38	0.25	0.0029789.	0.036		1.26	0.22	0.0026157.	0.031		1.21	0.20	0.0024521.	0.029	
634	6.13	6.13	1.59	0.23	0.0029931.	0.035		1.46	0.20	0.0026430.	0.031		1.42	0.19	0.0025255.	0.029	
635	6.13	6.13	1.77	0.22	0.0030184.	0.034		1.63	0.19	0.0026763.	0.030		1.58	0.18	0.0025629.	0.029	
636	6.13	6.13	1.92	0.21	0.0030282.	0.034		1.77	0.18	7.4626936.	0.030		1.72	0.17	25.4425809.	0.028	
637	6.13	6.13	2.04	0.20	57.2329901.	0.033		1.89	0.17	81.6726595.	0.029		1.84	0.16	88.0825497.	0.027	
638	6.13	6.13	2.17	0.17	133.0228573.	0.030		2.01	0.15	141.2225416.	0.027		1.96	0.14	143.4224362.	0.025	
639	6.13	6.13	2.41	0.13	224.0026180.	0.026		2.23	0.10	218.0123096.	0.022		2.17	0.10	215.6822072.	0.021	
640	6.13	6.13	1.90	0.94	0.0089860.	0.120		2.18	0.85	0.0083886.	0.110		2.27	0.81	0.0081895.	0.107	
641	6																

734	6.13	6.13	0.00	0.26	0.0021408.	0.031	0.00	0.21	0.0017066.	0.025	0.00	0.19	0.0015646.	0.023
735	6.13	6.13	0.00	0.25	0.0020706.	0.030	0.00	0.20	0.0016332.	0.024	0.00	0.18	0.0014912.	0.022
736	6.13	6.13	0.00	0.25	0.0020258.	0.030	0.00	0.19	0.0015834.	0.023	0.00	0.18	0.0014397.	0.021
737	6.13	6.13	0.00	0.24	0.0019882.	0.029	0.00	0.19	0.0015401.	0.022	0.00	0.17	0.0013957.	0.020
738	6.13	6.13	0.00	0.22	0.0017907.	0.026	0.00	0.18	0.0014340.	0.021	0.00	0.16	0.0013149.	0.019
739	6.13	6.13	0.00	0.19	0.0015238.	0.022	0.00	0.15	0.0012088.	0.018	0.00	0.14	0.0011043.	0.016
740	6.13	6.13	0.44	0.15	0.0015059.	0.019	0.30	0.11	0.0011392.	0.015	0.25	0.10	0.0010164.	0.013
741	6.13	6.13	1.37	0.11	88.0317791.	0.019	1.21	0.08	98.6514354.	0.015	1.16	0.07	100.7313219.	0.013
742	6.13	6.13	2.59	0.06	289.9021981.	0.019	2.42	0.04	278.3518877.	0.016	2.36	0.03	274.0717844.	0.015
743	6.13	6.13	4.23	0.02	502.6929236.	0.023	4.03	0.00	482.6626360.	0.020	3.96	-0.01	475.7625404.	0.019
744	6.13	6.13	6.44	-0.02	774.5540952.	0.030	6.21	-0.03	748.8138195.	0.028	6.13	-0.04	740.0937284.	0.028

ARMATURA INFERIORE VERTICALE

GUSCI	Af	Afc	COMBINAZIONE RARA					COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
			Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
406	7.91	7.91	2.21	0.08	202.1916307.	0.014	2.21	0.05	215.4714585.	0.012	2.21	0.04	219.2114013.	0.011			
407	7.91	7.91	2.71	0.06	267.6317510.	0.014	2.71	0.03	277.8615802.	0.012	2.71	0.02	280.7315240.	0.011			
408	7.91	7.91	3.13	0.05	317.5818850.	0.014	3.14	0.02	327.0417161.	0.012	3.14	0.01	329.7216603.	0.011			
409	7.91	7.91	3.91	0.02	406.8121427.	0.015	3.92	-0.01	416.0719726.	0.013	3.93	-0.02	418.7319168.	0.013			
410	7.91	7.91	4.47	0.04	462.7624987.	0.018	4.51	0.00	475.7323304.	0.016	4.52	-0.01	479.6522750.	0.015			
411	7.91	7.91	4.88	0.09	485.5730863.	0.024	4.96	0.06	506.7329135.	0.022	4.99	0.05	513.2928563.	0.021			
412	7.91	7.91	5.41	0.19	497.9639449.	0.033	5.50	0.15	525.8737703.	0.031	5.53	0.14	534.6237123.	0.030			
413	7.91	7.91	5.72	0.17	540.1740134.	0.033	5.87	0.15	565.8939614.	0.032	5.92	0.15	574.2339445.	0.032			
414	7.91	7.91	5.62	0.10	564.6334668.	0.027	5.82	0.09	586.6835531.	0.027	5.88	0.09	594.0035824.	0.027			
415	13.72	13.72	1.61	0.08	96.11 7651.	0.004	1.59	0.05	107.46 6670.	0.003	1.58	0.05	110.65 6344.	0.003			
416	13.72	13.72	1.82	0.06	124.39 7567.	0.003	1.81	0.03	134.12 6625.	0.003	1.80	0.03	136.83 6318.	0.003			
417	13.72	13.72	2.00	0.04	146.06 7578.	0.003	2.01	0.02	155.24 6681.	0.003	2.01	0.01	157.88 6385.	0.003			
418	13.72	13.72	2.39	0.02	186.05 7814.	0.003	2.42	-0.01	195.50 6994.	0.003	2.42	-0.02	198.29 6726.	0.003			
419	13.72	13.72	2.76	0.01	219.86 8495.	0.003	2.82	-0.02	230.88 7764.	0.003	2.84	-0.03	234.27 7525.	0.003			
420	13.72	13.72	3.27	0.02	257.5410396.	0.004	3.35	-0.01	270.68 9733.	0.004	3.37	-0.02	274.82 9513.	0.004			
421	13.72	13.72	3.96	0.05	302.7813546.	0.006	4.04	0.03	317.2413004.	0.005	4.07	0.02	321.8612828.	0.005			
422	13.72	13.72	4.24	0.06	322.4214715.	0.006	4.36	0.04	336.8314544.	0.006	4.39	0.04	341.5414490.	0.006			
423	13.72	13.72	4.19	0.05	322.4514114.	0.006	4.33	0.04	335.2414368.	0.006	4.37	0.04	339.5114451.	0.006			
424	5.81	5.81	1.33	0.06	135.7014211.	0.014	1.30	0.04	146.5012183.	0.012	1.30	0.03	149.1111519.	0.011			
425	5.81	5.81	1.40	0.04	154.4013442.	0.013	1.39	0.02	163.7411514.	0.010	1.38	0.02	165.9610882.	0.009			
426	5.81	5.81	1.46	0.03	169.4712709.	0.012	1.47	0.01	177.8410899.	0.009	1.47	0.00	179.8310300.	0.008			
427	5.81	5.81	1.62	0.01	197.1412041.	0.010	1.66	-0.01	205.4210422.	0.008	1.67	-0.02	207.48 9895.	0.008			
428	5.81	5.81	1.80	-0.01	222.5111770.	0.009	1.86	-0.03	231.4710407.	0.008	1.88	-0.04	233.91 9965.	0.008			
429	5.81	5.81	2.01	-0.01	248.5513018.	0.010	2.08	-0.03	259.7011912.	0.009	2.11	-0.04	263.0011549.	0.009			
430	5.81	5.81	2.13	0.00	261.9814822.	0.012	2.22	-0.02	275.6514072.	0.011	2.25	-0.02	279.9213829.	0.011			
431	5.81	5.81	2.02	0.01	244.4015149.	0.013	2.12	0.00	259.6814925.	0.012	2.15	0.00	264.6014854.	0.012			
432	5.81	5.81	1.76	0.02	209.9613980.	0.012	1.87	0.02	225.2514364.	0.012	1.91	0.02	230.3014943.	0.012			
433	5.81	5.81	1.27	0.04	143.5011824.	0.011	1.26	0.02	148.7010283.	0.009	1.25	0.01	149.91 9769.	0.008			
434	5.81	5.81	1.27	0.03	147.7511051.	0.010	1.27	0.01	153.41 9604.	0.008	1.27	0.00	154.73 9127.	0.007			
435	5.81	5.81	1.27	0.02	151.3110183.	0.009	1.28	0.00	157.01 8837.	0.007	1.28	-0.01	158.36 8396.	0.007			
436	5.81	5.81	1.29	0.00	157.63 9084.	0.007	1.32	-0.01	164.42 7938.	0.006	1.33	-0.02	166.19 7568.	0.006			
437	5.81	5.81	1.29	-0.01	160.40 7906.	0.006	1.35	-0.03	167.73 6989.	0.005	1.36	-0.03	169.77 6693.	0.005			
438	5.81	5.81	1.27	-0.02	158.11 7254.	0.006	1.34	-0.03	166.60 6574.	0.005	1.36	-0.04	169.13 6356.	0.005			
439	5.81	5.81	1.16	-0.01	143.92 6839.	0.005	1.24	-0.03	154.11 6433.	0.005	1.26	-0.03	157.28 6296.	0.005			
440	5.81	5.81	0.92	0.00	113.16 6131.	0.005	1.01	-0.01	125.07 6040.	0.005	1.03	-0.01	128.88 6012.	0.005			
441	5.81	5.81	0.59	0.01	70.61 4822.	0.004	0.69	0.00	83.71 5108.	0.004	0.72	0.00	87.97 5207.	0.004			
442	5.81	5.81	1.31	0.02	156.2418425.	0.009	1.30	0.01	158.52 9497.	0.008	1.30	0.00	159.05 9193.	0.007			
443	5.81	5.81	1.28	0.01	154.21 9864.	0.008	1.28	0.00	157.48 9018.	0.007	1.29	0.00	158.39 8734.	0.007			
444	5.81	5.81	1.25	0.01	151.87 9165.	0.008	1.26	0.00	155.81 8383.	0.007	1.27	-0.01	156.91 8122.	0.006			
445	5.81	5.81	1.19	0.00	146.44 8064.	0.006	1.22	-0.01	152.24 7433.	0.006	1.24	-0.02	153.94 7234.	0.006			
446	5.81	5.81	1.11	-0.01	138.10 6741.	0.005	1.16	-0.02	144.62 6262.	0.005	1.18	-0.02	146.61 6101.	0.005			
447	5.81	5.81	0.99	-0.02	123.64 5480.	0.004	1.05	-0.03	130.83 5151.	0.004	1.07	-0.03	133.09 5051.	0.004			
448	5.81	5.81	0.81	-0.02	100.63 4294.	0.003	0.87	-0.02	108.70 4144.	0.003	0.90	-0.03	111.29 4094.	0.003			
449	5.81	5.81	0.55	-0.01	68.81 3110.	0.002	0.63	-0.01	77.94 3148.	0.002	0.65	-0.02	80.90 3165.	0.002			
450	5.81	5.81	0.25	0.00	30.73 1811.	0.001	0.33	0.00	41.06 2073.	0.002	0.36	0.00	44.43 2163.	0.002			
451	5.81	5.81	1.17	0.00	143.53 8091.	0.006	1.17	0.00	144.55 7826.	0.006	1.17	0.00	144.86 7741.	0.006			
452	5.81	5.81	1.18	0.00	144.95 8170.	0.006	1.19	0.00	146.83 7945.	0.006	1.19	0.00	147.44 7867.	0.006			
453	5.81	5.81	1.17	0.00	144.52 8022.	0.006	1.19	0.00	147.11 7830.	0.006	1.20	-0.01	147.95 7766.	0.006			
454	5.81	5.81	1.18	0.00	145.10 7951.	0.006	1.21	-0.01	149.35 7854.	0.006	1.22	-0.01	150.74 7822.	0.006			
455	5.81	5.81	1.12	-0.01	138.36 7266.	0.006	1.16	-0.01	143.58 7241.	0.006	1.17	-0.01	145.31 7231.	0.006			
456	5.81	5.81	1.01	-0.01	125.58 6306.	0.005	1.06	-0.01	131.64 6354.	0.005	1.07	-0.01	133.59 6402.	0.005			
457	5.81	5.81	0.85	-0.01	106.13 5194.	0.004	0.91	-0.01	112.92 5347.	0.004	0.92	-0.01	115.03 5559.	0.004			
458	5.81	5.81	0.65	-0.01	80.50 3983.	0.003	0.71	-0.01	88.02 4202.	0.003	0.73	-0.01	90.51 4280.	0.003			
459	5.81	5.81	0.41	0.00	50.43 2697.	0.002	0.47	0.00	58.63 3029.	0.002	0.50	0.00	61.37 3136.	0.002			
625	7.91	7.91	5.57	0.35	391.2651001.	0.047	5.48	0.31	417.0347969.	0.044	5.45	0.30	424.8746959.	0.042			
626	7.91	7.91	6.23	0.30	520.7550958.	0.045	6.18	0.26	542.7047857.	0.041	6.17	0.24	549.3746951.	0.040			
627	7.91	7.91	6.73	0.25	608.0150345.	0.043	6.73	0.21	629.0847864.	0.040	6.72	0.20	635.5647045.	0.039			
628	7.91	7.91	7.78	0.16	770.6649630.	0.039	7.79	0.12	786.1347417.	0.036	7.81	0.11	793.1347676.	0.035			
629	7.91	7.91	8.57	0.10	878.3249806.	0.037	8.50	0.06	881.6947295.	0.034	8.54	0.05	899.5846801.	0.033			
630	7.91	7.91	9.06	0.06	941.0750128.	0.036	8.95	0.03	938.9347545.	0.033	8.91	0.02	937.9946688.	0.032			
631	7.91	7.91	9.25	0.04	967.4249905.	0.035	9.18	0.01	968.4647612.	0.032	9.16	0.00	968.5846856.	0.032			
632	7.91	7.91	9.15	0.03	959.2448868.	0.034	9.10	0.00	961.7446749.	0.032	9.09	-0.01	962.4146045.	0.031			
633	7.91	7.91	8.77	0.03	918.0064942.	0.033	8.72	0.01	920.8944919.	0.030	8.71	0.00	921.6644248.	0.030			
634	7.91	7.91	8.09	0.04	844.1944082.	0.031	8.05	0.02	846.9242101.	0.029	8.03	0.01	847.6641443.	0.028			
635	7.91	7.91	7.15	0.06	738.9040314.	0.029	7.10	0.03	741.5538358.	0.027	7.08	0.02	742.2537706.	0.026			
636	7.91	7.91	5.93	0.08	601.2435565.	0.027	5.87	0.06	604.5633654.	0.025	5.86	0.05	605.74373016.	0.024			
637	7.91	7.91	4.52	0.11	439.4529977.	0.024	4.47	0.09	444.5528241.	0.022	4.45	0.08	446.4247661.	0.021			
638	7.91	7.91	3.79	0.12	352.3227179.	0.023	3.74	0.10	358.9725492.	0.021	3.72	0.09	360.8824935.	0.020			

723	5.81	5.81	0.32	0.01	35.70	3034.	0.003	0.17	0.00	19.90	1286.	0.001	0.12	0.00	14.52	731.	0.001
724	5.81	5.81	1.02	0.02	118.80	8677.	0.008	0.78	0.01	93.06	6387.	0.006	0.71	0.01	84.89	5658.	0.005
725	5.81	5.81	1.33	0.02	155.66	11286.	0.010	1.20	0.02	143.09	9747.	0.009	1.16	0.01	138.82	9235.	0.008
726	5.81	5.81	1.60	0.03	189.39	13299.	0.012	1.47	0.02	175.93	11720.	0.010	1.43	0.02	171.34	11203.	0.010
727	5.81	5.81	1.87	0.02	222.74	14881.	0.013	1.72	0.02	207.94	13233.	0.011	1.68	0.01	202.93	12688.	0.011
728	5.81	5.81	1.99	0.02	238.86	15631.	0.013	1.85	0.01	223.51	13960.	0.012	1.80	0.01	218.32	13407.	0.011
729	5.81	5.81	2.11	0.02	253.86	16208.	0.014	1.96	0.01	238.67	14217.	0.012	1.91	0.00	234.23	13265.	0.010
730	5.81	5.81	0.00	0.00	0.00	267.	0.000	0.13	0.00	14.87	1092.	0.001	0.19	0.00	22.56	1497.	0.001
731	5.81	5.81	0.00	0.01	0.00	473.	0.001	0.00	0.01	0.00	490.	0.001	0.00	0.01	0.00	499.	0.001
732	5.81	5.81	0.00	0.00	0.00	387.	0.001	0.00	0.01	0.00	473.	0.001	0.00	0.01	0.00	499.	0.001
733	5.81	5.81	0.00	0.00	0.00	0.	0.000	0.00	0.00	0.00	146.	0.000	0.00	0.00	0.00	189.	0.000
734	5.81	5.81	0.00	-0.01	2.17	-33.	0.000	0.00	0.00	1.48	-22.	0.000	0.00	0.00	1.26	-19.	0.000
735	5.81	5.81	0.00	-0.01	4.57	-69.	0.000	0.00	-0.01	3.78	-57.	0.000	0.00	-0.01	3.50	-52.	0.000
736	5.81	5.81	0.07	-0.01	7.64	53.	0.000	0.00	-0.01	3.19	-45.	0.000	0.00	-0.01	3.34	-50.	0.000
737	5.81	5.81	0.31	0.00	37.80	2073.	0.002	0.21	0.00	25.61	1152.	0.001	0.17	0.00	21.63	862.	0.001
738	5.81	5.81	0.66	0.00	80.45	4966.	0.004	0.52	0.00	63.65	3745.	0.003	0.48	0.00	58.32	3358.	0.003
739	5.81	5.81	1.25	0.01	151.42	9240.	0.008	1.04	0.00	126.10	7552.	0.006	0.97	0.00	118.09	7014.	0.006
740	5.81	5.81	1.59	0.01	193.88	11707.	0.010	1.47	0.01	179.56	10647.	0.009	1.43	0.00	174.80	10291.	0.008
741	5.81	5.81	1.73	0.01	211.11	12534.	0.010	1.61	0.00	196.81	111476.	0.009	1.57	0.00	192.04	111121.	0.009
742	5.81	5.81	1.78	0.00	218.41	12503.	0.010	1.66	0.00	204.24	11449.	0.009	1.62	0.00	199.50	104177.	0.009
743	5.81	5.81	1.81	0.00	222.75	12544.	0.010	1.69	0.00	208.67	11498.	0.009	1.66	0.00	203.95	11148.	0.009
744	5.81	5.81	1.81	0.00	223.44	12307.	0.010	1.70	-0.01	209.48	11262.	0.009	1.66	-0.01	204.81	110916.	0.009

ARMATURA SUPERIORE ORIZZONTALE

GUSCI	COMBINAZIONE RARA							COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
	Af	Afc	Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
406	6.13	6.13	0.33	0.11	0.0011556.	0.015	0.25	0.09	0.00	8868.	0.012	0.22	0.08	0.00	7975.	0.010	0.10
407	6.13	6.13	0.67	0.15	0.0016781.	0.021	0.60	0.12	0.0013928.	0.017	0.57	0.11	0.0012977.	0.016	0.55	0.11	0.0012977.
408	6.13	6.13	0.41	0.17	0.0016528.	0.022	0.35	0.14	0.0013530.	0.018	0.33	0.12	0.0012328.	0.016	0.33	0.12	0.0012328.
409	6.13	6.13	0.17	0.18	0.0016142.	0.023	0.13	0.13	0.0011385.	0.016	0.12	0.11	0.00	9978.	0.014	0.10	0.009978.
410	6.13	6.13	0.02	0.19	0.0015920.	0.023	0.00	0.14	0.0011345.	0.017	0.00	0.12	0.0010023.	0.015	0.00	0.12	0.0010023.
411	6.13	6.13	0.00	0.24	0.0019515.	0.028	0.00	0.18	0.0014438.	0.021	0.00	0.16	0.0012928.	0.019	0.00	0.16	0.0012928.
412	6.13	6.13	0.00	0.31	0.0025228.	0.037	0.00	0.26	0.0021229.	0.031	0.00	0.24	0.0019898.	0.029	0.00	0.24	0.0019898.
413	6.13	6.13	0.00	0.44	0.0035545.	0.052	0.00	0.38	0.0030600.	0.045	0.00	0.36	0.0029064.	0.042	0.00	0.36	0.0029064.
414	6.13	6.13	0.00	0.80	0.0065588.	0.096	0.00	0.72	0.0058749.	0.086	0.00	0.69	0.0056463.	0.082	0.00	0.69	0.0056463.
415	6.13	6.13	0.15	0.09	0.00	8648.	0.012	0.05	0.07	0.00	5973.	0.008	0.02	0.06	0.00	5082.	0.007
416	6.13	6.13	0.70	0.13	0.0015560.	0.019	0.62	0.10	0.0012718.	0.015	0.59	0.10	0.0011773.	0.014	0.57	0.11	0.0011773.
417	6.13	6.13	0.84	0.16	0.0018466.	0.022	0.79	0.12	0.0015514.	0.018	0.77	0.11	0.0014431.	0.017	0.72	0.11	0.0014431.
418	6.13	6.13	0.58	0.18	0.0018238.	0.023	0.54	0.12	0.0013508.	0.017	0.52	0.10	0.0012094.	0.015	0.50	0.11	0.0012094.
419	6.13	6.13	0.37	0.18	0.0017447.	0.023	0.34	0.13	0.0012938.	0.017	0.33	0.11	0.0011590.	0.015	0.30	0.14	0.0011590.
420	6.13	6.13	0.24	0.22	0.0019455.	0.027	0.21	0.16	0.0014482.	0.020	0.20	0.14	0.0012991.	0.018	0.21	0.0012991.	0.025
421	6.13	6.13	0.10	0.28	0.0023796.	0.034	0.07	0.23	0.0019492.	0.028	0.06	0.21	0.0017574.	0.025	0.21	0.0017574.	0.038
422	6.13	6.13	0.00	0.39	0.0031529.	0.046	0.00	0.33	0.0026689.	0.039	0.00	0.31	0.0025073.	0.037	0.00	0.31	0.0025073.
423	6.13	6.13	0.00	0.67	0.0054970.	0.080	0.00	0.60	0.0048603.	0.071	0.00	0.57	0.0046481.	0.068	0.00	0.57	0.0046481.
424	6.13	6.13	0.00	0.07	0.00	6072.	0.009	0.00	0.05	0.00	4195.	0.006	0.00	0.04	0.00	3567.	0.005
425	6.13	6.13	0.65	0.11	0.0013796.	0.017	0.57	0.09	0.0010975.	0.013	0.54	0.08	0.0010037.	0.012	0.54	0.08	0.0010037.
426	6.13	6.13	0.91	0.14	0.0017745.	0.021	0.85	0.11	0.0014778.	0.017	0.83	0.10	0.0013699.	0.015	0.83	0.10	0.0013699.
427	6.13	6.13	0.96	0.16	0.0019766.	0.024	0.92	0.11	0.0015160.	0.017	0.90	0.09	0.0013759.	0.015	0.89	0.09	0.0013759.
428	6.13	6.13	0.71	0.17	0.0018639.	0.023	0.68	0.12	0.0014221.	0.017	0.67	0.10	0.0012881.	0.015	0.67	0.10	0.0012881.
429	6.13	6.13	0.53	0.20	0.0019725.	0.026	0.50	0.14	0.0014942.	0.019	0.49	0.12	0.0013500.	0.017	0.48	0.12	0.0013500.
430	6.13	6.13	0.33	0.26	0.0023194.	0.032	0.30	0.20	0.0018390.	0.025	0.30	0.18	0.0016501.	0.022	0.30	0.18	0.0016501.
431	6.13	6.13	0.16	0.34	0.0029044.	0.041	0.05	0.28	0.0023479.	0.034	0.01	0.26	0.0021627.	0.031	0.26	0.0021627.	0.037
432	6.13	6.13	0.00	0.58	0.0047257.	0.069	0.00	0.50	0.0041152.	0.060	0.00	0.48	0.0039111.	0.057	0.00	0.48	0.0039111.
433	6.13	6.13	0.00	0.04	0.00	3575.	0.005	0.00	0.02	0.00	1853.	0.003	0.00	0.02	0.00	1281.	0.002
434	6.13	6.13	0.67	0.09	0.0011628.	0.013	0.57	0.06	0.00	8817.	0.010	0.54	0.05	15.34	7866.	0.009	0.00
435	6.13	6.13	1.14	0.12	0.0017506.	0.019	1.07	0.09	62.11	14379.	0.015	1.05	0.08	73.29	13329.	0.014	0.00
436	6.13	6.13	1.30	0.14	0.0020576.	0.023	1.25	0.09	82.75	16109.	0.017	1.23	0.08	99.07	14701.	0.015	0.00
437	6.13	6.13	1.29	0.15	0.0021120.	0.024	1.25	0.10	71.69	16761.	0.018	1.24	0.09	90.66	15402.	0.016	0.00
438	6.13	6.13	1.20	0.17	0.0021997.	0.026	1.17	0.12	15.06	17554.	0.019	1.15	0.10	52.54	16130.	0.017	0.00
439	6.13	6.13	1.05	0.20	0.0023738.	0.029	1.01	0.14	0.0018675.	0.022	1.00	0.13	0.0017115.	0.020	0.98	0.13	0.0017115.
440	6.13	6.13	0.82	0.26	0.0026646.	0.034	0.75	0.20	0.0021181.	0.027	0.72	0.18	0.0019365.	0.024	0.69	0.18	0.0019365.
441	6.13	6.13	0.00	0.33	0.0026542.	0.039	0.00	0.26	0.0021164.	0.031	0.00	0.24	0.0019376.	0.028	0.24	0.0019376.	0.033
442	6.13	6.13	0.00	0.02	0.00	1812.	0.003	0.00	0.00	0.00	237.	0.000	0.00	0.13	-17.	0.000	0.00
443	6.13	6.13	0.62	0.07	0.00	9675.	0.011	0.51	0.04	29.47	6849.	0.007	0.48	0.03	34.96	5906.	0.006
444	6.13	6.13	1.22	0.10	64.17	16642.	0.018	1.14	0.07	93.85	13492.	0.014	1.12	0.06	100.57	12443.	0.012
445	6.13	6.13	1.44	0.13	61.182	9385.	0.022	1.39	0.08	119.17	15973.	0.016	1.37	0.07	129.98	14614.	0.014
446	6.13	6.13	1.46	0.14	50.222	1102.	0.023	1.42	0.09	115.92	16786.	0.017	1.40	0.08	128.15	15456.	0.015
447	6.13	6.13	1.37	0.15	0.0021595.	0.024	1.33	0.10	87.03	17217.	0.018	1.32	0.09	103.86	15842.	0.016	0.00
448	6.13	6.13	1.20	0.17	0.0022072.	0.026	1.15	0.12	8.72	17394.	0.019	1.13	0.10	49.32	15894.	0.017	0.00
449	6.13	6.13	0.90	0.21	0.0023194.	0.029	0.83	0.14	0.0017370.	0.021	0.81	0.12	0.0015532.	0.018	0.80	0.12	0.0015532.
450	6.13	6.13	0.31	0.26	0.0022908.	0.032	0.23	0.19	0.0017182.	0.024	0.20	0.17	0.0015276.	0.021	0.17	0.0015276.	0.026
451	6.13	6.13	0.00	0.01	0.00	441.	0.001	-0.01	3.89	-58.	0.000	0.00	-0.02	5.75	-86.	0.000	0.00
452	6.13	6.13	0.50	0.05	15.74	7193.	0.008	0.38	0.02	32.24	4399.	0.004	0.34	0.02	33.89	3482.	0.003
453	6.13	6.13	1.20	0.08	89.28	14915.	0.015	1.12	0.05	108.39	13782.	0.011	1.10	0.04	112.39	10747.	0.010
454	6.13	6.13	1.50	0.11	102.81	9176.	0.020	1.44	0.07	140.92	14940.	0.014	1.42	0.05	148.21	163631.	0.013
455	6.13	6.13	1.56	0.12	80.80	20202.	0.021	1.51	0.07	143.23	16010.	0.016	1.49	0.06	151.83	14704.	0.014
456	6.13	6.13	1.46	0.13	64.58	20539.	0.022	1.41	0.08	122.14	16208.	0.016	1.40	0.07	133.35	14848.	0.015
457	6.13	6.13	1.26	0.14	0.0020381.	0.023	1.21	0.09	77.54	15726.	0.017	1.19	0.08	95.02	14241.	0.015	0.00
458	6.13	6.13	0.95	0.17	0.0020089.	0.024	0.88	0.11	0.0014751.	0.017	0.86	0.09	0.58	13048.	0.014	0.00	0.00
459	6.13	6.13	0.55	0.20	0.0020359.	0.027	0.48	0.14	0.0014706.	0.019	0.46	0.12	0.0012819.	0.016	0.46	0.12	0.0012819.
625	6.13	6.13	0.35	1.10	0.0092351.	0.132	0.19	0.99	0.0082338.	0.119	0.14	0.96	0.0079000.	0.114	0.96	0.0079000.	0.114
626	6.13	6.13	0.00	0.88	0.0072011.	0.105	0.00	0.79	0.0064821.	0.094	0.00	0.76	0.0064241.	0.091	0.76	0.0064241.	0.091
627	6.13	6.13	0.00	0.69	0.0050614.	0.082	0.00	0.62	0.0050252.	0.073	0.00	0.59	0.0047910.	0.070	0.59	0.0047910.	0.070

712	6.13	6.13	1.53	0.08	138.1816968.	0.017	1.46	0.06	149.0214505.	0.014	1.44	0.05	151.5813695.	0.013
713	6.13	6.13	0.00	0.04	0.00	3191.	0.005	0.00	0.02	0.00	1526.	0.002	0.00	0.01
714	6.13	6.13	0.00	0.00	0.35	-5.	0.000	0.00	-0.02	5.81	-87.	0.000	0.00	-0.02
715	6.13	6.13	0.05	0.29	0.0024304.	0.035	0.00	0.23	0.0018846.	0.027	0.00	0.21	0.0017132.	0.025
716	6.13	6.13	0.69	0.32	0.0031123.	0.041	0.63	0.26	0.0025805.	0.034	0.61	0.24	0.0024038.	0.032
717	6.13	6.13	1.48	0.31	0.0035459.	0.043	1.33	0.26	0.0030227.	0.037	1.29	0.24	0.0028580.	0.035
718	6.13	6.13	2.10	0.29	0.0037680.	0.044	1.95	0.24	0.0032481.	0.037	1.91	0.22	0.0030769.	0.035
719	6.13	6.13	2.60	0.27	0.3939752.	0.044	2.46	0.22	110.9034387.	0.037	2.41	0.20	132.0332613.	0.035
720	6.13	6.13	3.03	0.26	154.4141606.	0.045	2.88	0.21	207.7236117.	0.038	2.83	0.19	220.9234320.	0.035
721	6.13	6.13	3.39	0.25	230.1143382.	0.045	3.24	0.20	271.4637776.	0.038	3.19	0.18	281.7935954.	0.036
722	6.13	6.13	3.66	0.25	279.0544805.	0.046	3.51	0.19	315.7539088.	0.039	3.46	0.18	324.6837256.	0.037
723	6.13	6.13	3.80	0.23	326.4443701.	0.044	3.66	0.18	345.8039122.	0.038	3.61	0.17	350.9437602.	0.036
724	6.13	6.13	3.75	0.19	348.7240670.	0.040	3.62	0.16	361.3836591.	0.035	3.57	0.14	364.6535235.	0.033
725	6.13	6.13	3.41	0.16	333.1835327.	0.034	3.29	0.12	341.9031785.	0.030	3.26	0.11	344.0530605.	0.028
726	6.13	6.13	2.66	0.12	264.9526946.	0.026	2.57	0.09	272.3723974.	0.022	2.54	0.08	274.1322984.	0.021
727	6.13	6.13	1.34	0.07	123.1914684.	0.015	1.28	0.05	133.7712292.	0.011	1.26	0.04	136.1911498.	0.010
728	6.13	6.13	0.00	0.03	0.00	2236.	0.003	0.00	0.01	0.00	612.	0.001	0.00	0.00
729	6.13	6.13	0.00	-0.01	2.89	-43.	0.000	0.00	-0.03	8.07	-121.	0.000	0.00	-0.03
730	6.13	6.13	0.41	0.24	0.0022442.	0.030	0.34	0.18	0.0016784.	0.022	0.32	0.16	0.0014896.	0.020
731	6.13	6.13	0.80	0.27	0.0027762.	0.036	0.74	0.21	0.0022340.	0.028	0.73	0.19	0.0020536.	0.026
732	6.13	6.13	1.60	0.29	0.0034590.	0.042	1.44	0.23	0.0028844.	0.034	1.39	0.21	0.0026895.	0.032
733	6.13	6.13	2.26	0.27	0.0037807.	0.043	2.11	0.22	0.0032442.	0.036	2.06	0.20	41.0230652.	0.034
734	6.13	6.13	2.79	0.26	95.4540330.	0.044	2.64	0.21	163.5834818.	0.037	2.60	0.19	179.6933010.	0.035
735	6.13	6.13	3.23	0.25	202.8642400.	0.045	3.08	0.20	247.4136855.	0.038	3.03	0.18	258.5235051.	0.035
736	6.13	6.13	3.59	0.25	269.5344180.	0.046	3.44	0.19	305.4338594.	0.039	3.39	0.18	314.4336777.	0.036
737	6.13	6.13	3.83	0.24	313.1245371.	0.046	3.69	0.19	345.1339751.	0.039	3.64	0.17	353.0337935.	0.037
738	6.13	6.13	3.93	0.22	352.3243959.	0.044	3.79	0.18	370.3839346.	0.038	3.75	0.16	375.1837810.	0.036
739	6.13	6.13	3.82	0.19	365.5440466.	0.040	3.69	0.15	377.5536375.	0.034	3.65	0.14	380.5530222.	0.033
740	6.13	6.13	3.40	0.15	339.6634514.	0.033	3.29	0.11	347.9930990.	0.029	3.26	0.10	350.0129814.	0.027
741	6.13	6.13	2.56	0.11	259.5125467.	0.024	2.47	0.08	266.7722524.	0.021	2.45	0.07	268.3621556.	0.019
742	6.13	6.13	1.15	0.06	105.0612585.	0.012	1.09	0.04	115.8110255.	0.009	1.08	0.03	118.10	0.008
743	6.13	6.13	0.00	0.02	0.00	1534.	0.002	0.00	0.00	0.13	-2.	0.000	0.00	-0.01
744	6.13	6.13	0.00	-0.02	4.90	-73.	0.000	0.00	-0.03	9.71	-146.	0.000	0.00	-0.04

ARMATURA SUPERIORE VERTICALE

GUSCI	COMBINAZIONE RARA							COMBINAZIONE FREQUENTE					COMBINAZIONE QUASI PERMANENTE				
	Af	Afc	Mom	Nor	sigC	sigF	WkR	Mom	Nor	sigC	sigF	WkF	Mom	Nor	sigC	sigF	WkP
406	7.91	7.91	0.00	0.08	0.00	5006.	0.007	0.00	0.05	0.00	3331.	0.004	0.00	0.04	0.00	2768.	0.004
407	7.91	7.91	0.00	0.06	0.00	3685.	0.005	0.00	0.03	0.00	1978.	0.003	0.00	0.02	0.00	1409.	0.002
408	7.91	7.91	0.00	0.05	0.00	2888.	0.004	0.00	0.02	0.00	1150.	0.002	0.00	0.01	0.00	569.	0.001
409	7.91	7.91	0.00	0.02	0.00	1498.	0.002	0.00	-0.01	1.70	-25.	0.000	0.00	-0.02	4.70	-70.	0.000
410	7.91	7.91	0.00	0.04	0.00	2212.	0.003	0.00	0.00	0.00	259.	0.000	0.00	-0.01	1.92	-29.	0.000
411	7.91	7.91	0.00	0.09	0.00	5998.	0.008	0.00	0.06	0.00	3862.	0.005	0.00	0.05	0.00	3148.	0.004
412	7.91	7.91	0.00	0.19	0.0011832.	0.016	0.00	0.15	0.00	9677.	0.013	0.00	0.14	0.00	8956.	0.012	
413	7.91	7.91	0.00	0.17	0.0010954.	0.014	0.00	0.15	0.00	9715.	0.013	0.00	0.15	0.00	9304.	0.012	
414	7.91	7.91	0.00	0.10	0.00	6036.	0.008	0.00	0.09	0.00	5891.	0.008	0.00	0.09	0.00	5847.	0.008
415	13.72	13.72	0.32	0.08	0.00	3835.	0.002	0.27	0.05	0.00	2779.	0.002	0.25	0.05	0.00	2424.	0.001
416	13.72	13.72	0.11	0.06	0.00	2505.	0.002	0.07	0.03	0.00	1452.	0.001	0.05	0.03	0.00	1103.	0.001
417	13.72	13.72	0.00	0.04	0.00	1625.	0.001	0.00	0.02	0.00	703.	0.001	0.00	0.01	0.00	394.	0.000
418	13.72	13.72	0.00	0.02	0.00	692.	0.000	0.00	-0.01	2.08	-31.	0.000	0.00	-0.02	4.63	-69.	0.000
419	13.72	13.72	0.00	0.01	0.00	230.	0.000	0.00	-0.02	5.86	-88.	0.000	0.00	-0.03	8.44	-127.	0.000
420	13.72	13.72	0.00	0.02	0.00	627.	0.000	0.00	-0.01	2.55	-38.	0.000	0.00	-0.02	5.10	-77.	0.000
421	13.72	13.72	0.00	0.05	0.00	1767.	0.001	0.00	0.03	0.00	929.	0.001	0.00	0.02	0.00	652.	0.000
422	13.72	13.72	0.00	0.06	0.00	2102.	0.002	0.00	0.04	0.00	1563.	0.001	0.00	0.04	0.00	1385.	0.001
423	13.72	13.72	0.00	0.05	0.00	1643.	0.001	0.00	0.04	0.00	1472.	0.001	0.00	0.04	0.00	1414.	0.001
424	5.81	5.81	0.91	0.06	76.4411405.	0.012	0.87	0.04	90.01	9227.	0.009	0.86	0.03	92.98	8513.	0.008	
425	5.81	5.81	0.89	0.04	87.5410016.	0.010	0.86	0.02	97.19	7872.	0.007	0.84	0.02	98.97	7169.	0.006	
426	5.81	5.81	0.82	0.03	88.03	8341.	0.008	0.79	0.01	94.63	6252.	0.005	0.78	0.00	95.37	5563.	0.004
427	5.81	5.81	0.74	0.01	87.52	5920.	0.005	0.71	-0.01	88.90	3932.	0.003	0.71	-0.02	87.70	3302.	0.003
428	5.81	5.81	0.53	-0.01	66.18	3031.	0.002	0.52	-0.03	61.09	1372.	0.001	0.51	-0.04	58.02	94.	0.001
429	5.81	5.81	0.32	-0.01	39.42	1394.	0.001	0.31	-0.03	32.95	270.	0.000	0.31	-0.04	32.24	126.	0.000
430	5.81	5.81	0.12	0.00	13.82	905.	0.001	0.11	-0.02	11.56	17.	0.000	0.11	-0.02	0.06	-173.	0.000
431	5.81	5.81	0.00	0.01	0.00	1256.	0.002	0.00	0.00	0.00	318.	0.000	0.00	0.00	0.00	9.	0.000
432	5.81	5.81	0.00	0.02	0.00	1884.	0.003	0.00	0.02	0.00	1497.	0.002	0.00	0.02	0.00	1368.	0.002
433	5.81	5.81	0.98	0.04	105.84	9829.	0.010	0.95	0.02	110.52	8178.	0.007	0.94	0.01	111.40	7627.	0.007
434	5.81	5.81	1.07	0.03	121.83	9640.	0.009	1.04	0.01	125.14	8025.	0.007	1.03	0.00	125.58	7493.	0.006
435	5.81	5.81	1.10	0.02	130.30	9018.	0.008	1.08	0.00	132.37	7455.	0.006	1.07	-0.01	132.43	6943.	0.005
436	5.81	5.81	1.21	0.00	147.55	8519.	0.007	1.19	-0.01	148.64	7059.	0.006	1.19	-0.02	148.43	6586.	0.005
437	5.81	5.81	1.20	-0.01	149.07	7274.	0.006	1.20	-0.03	149.07	5973.	0.005	1.20	-0.03	148.56	5552.	0.004
438	5.81	5.81	1.14	-0.02	142.49	6389.	0.005	1.15	-0.03	142.50	5279.	0.004	1.15	-0.04	142.08	4921.	0.004
439	5.81	5.81	1.05	-0.01	130.96	6119.	0.005	1.06	-0.03	132.01	5230.	0.004	1.06	-0.03	132.07	4937.	0.004
440	5.81	5.81	0.90	0.00	110.85	6001.	0.005	0.91	-0.01	113.02	5369.	0.004	0.91	-0.01	113.56	5162.	0.004
441	5.81	5.81	0.72	0.01	86.28	5693.	0.005	0.73	0.00	88.44	5373.	0.004	0.73	0.00	89.07	5269.	0.004
442	5.81	5.81	0.83	0.02	97.32	7166.	0.006	0.81	0.01	98.37	6130.	0.005	0.81	0.00	98.40	5792.	0.005
443	5.81	5.81	0.96	0.01	115.01	7679.	0.007	0.95	0.00	115.93	6687.	0.005	0.94	0.00	115.98	6355.	0.005
444	5.81	5.81	1.04	0.01	126.83	7763.	0.006	1.03	0.00	127.66	6805.	0.005	1.03	-0.01	127.68	6486.	0.005
445	5.81	5.81	1.23	0.00	151.90	8370.	0.007	1.23	-0.01	153.33	7494.	0.006	1.23	-0.02	153.58	7214.	0.006
446	5.81	5.81	1.32	-0.01	163.35	8150.	0.006	1.32	-0.02	164.97	7384.	0.006	1.33	-0.02	165.32	7127.	0.006
447	5.81	5.81	1.32	-0.02	164.48	7743.	0.006	1.34	-0.03	166.63	7103.	0.006	1.34	-0.03	167.20	6898.	0.005
448	5.81	5.81	1.27	-0.02	157.55	7443.	0.006	1.29	-0.02	160.48	6965.	0.005	1.29	-0.03	161.37	6806.	0.005
449	5.81	5.81	1.14	-0.01	142.02	7190.	0.006	1.17	-0.01	145.74	6889.	0.005	1.18	-0.02	146.92	6793.	0.005
450	5.81	5.81	0.97	0.00	119.46	6788.	0.005	1.00	0.00	123.59	6697.	0.005	1.01	0.00	124.93	6670.	0.005
451	5.81	5.81	0.84	0.00	103.66	5854.	0.005	0.75	0.00	92.51	4908.	0.004	0.71	0.00	87.87	4548.	0.004

452	5.81	5.81	0.95	0.00	116.26	6561.	0.005	0.94	0.00	116.35	6235.	0.005	0.94	0.00	116.36	6125.	0.005
453	5.81	5.81	1.01	0.00	124.50	6899.	0.005	1.01	0.00	125.14	6599.	0.005	1.01	-0.01	125.33	6499.	0.005
454	5.81	5.81	1.16	0.00	143.09	7838.	0.006	1.17	-0.01	144.93	7607.	0.006	1.18	-0.01	145.51	7529.	0.006
455	5.81	5.81	1.21	-0.01	149.86	7910.	0.006	1.23	-0.01	152.65	7748.	0.006	1.24	-0.01	153.55	7692.	0.006
456	5.81	5.81	1.19	-0.01	147.45	7530.	0.006	1.22	-0.01	151.09	7439.	0.006	1.22	-0.01	152.24	7442.	0.006
457	5.81	5.81	1.11	-0.01	137.30	6935.	0.005	1.14	-0.01	141.70	6950.	0.005	1.15	-0.01	142.96	7117.	0.006
458	5.81	5.81	0.97	-0.01	120.14	6200.	0.005	1.01	-0.01	125.25	6279.	0.005	1.02	-0.01	126.94	6311.	0.005
459	5.81	5.81	0.79	0.00	97.29	5325.	0.004	0.83	0.00	102.97	5513.	0.004	0.85	0.00	104.86	5573.	0.004
625	7.91	7.91	0.00	0.35	0.0022280.	0.029	0.00	0.31	0.0019764.	0.026	0.00	0.30	0.0018924.	0.025	0.00	0.0018924.	0.024
626	7.91	7.91	0.00	0.30	0.0018696.	0.025	0.00	0.26	0.0016237.	0.021	0.00	0.24	0.0015422.	0.020	0.00	0.0015422.	0.019
627	7.91	7.91	0.00	0.25	0.0019599.	0.021	0.00	0.21	0.0013558.	0.018	0.00	0.20	0.0012761.	0.017	0.00	0.0012761.	0.016
628	7.91	7.91	0.00	0.16	0.0010012.	0.013	0.00	0.12	0.0007743.	0.010	0.00	0.11	0.0006984.	0.009	0.00	0.0006984.	0.008
629	7.91	7.91	0.00	0.10	0.006137.	0.008	0.00	0.06	0.0003957.	0.005	0.00	0.05	0.0003230.	0.004	0.00	0.0003230.	0.003
630	7.91	7.91	0.00	0.06	0.003931.	0.005	0.00	0.03	0.0001846.	0.002	0.00	0.02	0.0001150.	0.002	0.00	0.0001150.	0.002
631	7.91	7.91	0.00	0.04	0.002680.	0.004	0.00	0.01	0.0000676.	0.001	0.00	0.00	0.0000013.	0.000	0.00	0.0000013.	0.000
632	7.91	7.91	0.00	0.03	0.002136.	0.003	0.00	0.00	0.0000299.	0.000	0.00	-0.01	2.13	-32.	0.000	0.00	0.000
633	7.91	7.91	0.00	0.03	0.002193.	0.003	0.00	0.01	0.0000335.	0.000	0.00	0.00	1.39	-21.	0.000	0.00	0.000
634	7.91	7.91	0.00	0.04	0.002787.	0.004	0.00	0.02	0.0000992.	0.001	0.00	0.01	0.0000392.	0.001	0.00	0.0000392.	0.001
635	7.91	7.91	0.00	0.00	0.003874.	0.005	0.00	0.03	0.00002143.	0.003	0.00	0.02	0.00001561.	0.002	0.00	0.00001561.	0.002
636	7.91	7.91	0.00	0.08	0.003572.	0.007	0.00	0.06	0.00003716.	0.005	0.00	0.05	0.00003160.	0.004	0.00	0.00003160.	0.004
637	7.91	7.91	0.00	0.11	0.006965.	0.009	0.00	0.09	0.00005480.	0.007	0.00	0.08	0.00004981.	0.007	0.00	0.00004981.	0.007
638	7.91	7.91	0.00	0.12	0.007856.	0.010	0.00	0.10	0.00006428.	0.008	0.00	0.09	0.00005954.	0.008	0.00	0.00005954.	0.008
639	7.91	7.91	0.00	0.14	0.008811.	0.012	0.00	0.12	0.00007465.	0.010	0.00	0.11	0.00007016.	0.009	0.00	0.00007016.	0.009
640	7.91	7.91	0.00	0.26	0.0016256.	0.021	0.00	0.23	0.00104822.	0.020	0.00	0.23	0.00104822.	0.019	0.00	0.00104822.	0.019
641	7.91	7.91	0.00	0.19	0.0012281.	0.016	0.00	0.17	0.00108814.	0.014	0.00	0.16	0.0010328.	0.014	0.00	0.0010328.	0.014
642	7.91	7.91	0.00	0.16	0.009904.	0.013	0.00	0.13	0.00008381.	0.011	0.00	0.12	0.00007875.	0.010	0.00	0.00007875.	0.010
643	7.91	7.91	0.00	0.03	0.002835.	0.003	0.00	0.01	0.0000518.	0.001	0.00	0.00	0.0000013.	0.000	0.00	0.0000013.	0.000
644	7.91	7.91	0.00	0.01	0.00702.	0.001	0.00	-0.01	4.60	-69.	0.000	0.00	-0.02	7.29	-109.	0.000	0.00
645	7.91	7.91	0.00	0.01	0.00708.	0.001	0.00	-0.02	4.97	-75.	0.000	0.00	-0.03	7.78	-117.	0.000	0.00
646	7.91	7.91	0.00	0.02	0.001062.	0.001	0.00	-0.01	3.43	-51.	0.000	0.00	-0.02	6.27	-94.	0.000	0.00
647	7.91	7.91	0.00	0.03	0.001618.	0.002	0.00	0.00	0.68	-10.	0.000	0.00	-0.01	3.55	-53.	0.000	0.00
648	7.91	7.91	0.00	0.04	0.002402.	0.003	0.00	0.01	0.0000664.	0.001	0.00	0.00	0.0000000.	0.000	0.00	0.0000000.	0.000
649	7.91	7.91	0.00	0.05	0.003438.	0.005	0.00	0.03	0.00001738.	0.002	0.00	0.02	0.00001176.	0.002	0.00	0.00001176.	0.002
650	7.91	7.91	0.00	0.07	0.004709.	0.006	0.00	0.05	0.00003059.	0.004	0.00	0.04	0.00002509.	0.003	0.00	0.00002509.	0.003
651	7.91	7.91	0.00	0.10	0.006074.	0.008	0.00	0.07	0.00004507.	0.006	0.00	0.06	0.00003988.	0.005	0.00	0.00003988.	0.005
652	7.91	7.91	0.43	0.11	0.009444.	0.011	0.25	0.09	0.00007091.	0.008	0.19	0.08	0.00006299.	0.008	0.00	0.00006299.	0.008
653	7.91	7.91	0.76	0.12	0.0011851.	0.013	0.59	0.10	0.00009619.	0.010	0.54	0.10	0.00008872.	0.010	0.00	0.00008872.	0.010
654	7.91	7.91	1.00	0.13	0.0013710.	0.014	0.85	0.11	0.0011645.	0.012	0.80	0.11	0.00109956.	0.011	0.00	0.00109956.	0.011
655	7.91	7.91	0.00	-0.02	6.36	-95.	0.000	0.00	-0.01	1.85	-28.	0.000	0.00	0.00	0.37	-6.	0.000
656	7.91	7.91	0.00	-0.18	54.95	-824.	0.000	0.00	-0.15	45.32	-680.	0.000	0.00	-0.14	42.07	-631.	0.000
657	7.91	7.91	0.00	-0.13	39.60	-594.	0.000	0.00	-0.13	39.04	-586.	0.000	0.00	-0.13	38.86	-583.	0.000
658	7.91	7.91	0.00	-0.11	34.16	-512.	0.000	0.00	-0.12	37.16	-557.	0.000	0.00	-0.12	38.15	-572.	0.000
659	7.91	7.91	0.00	-0.07	23.07	-346.	0.000	0.00	-0.09	28.29	-424.	0.000	0.00	-0.10	30.02	-450.	0.000
660	7.91	7.91	0.00	-0.04	13.00	-195.	0.000	0.00	-0.06	19.49	-292.	0.000	0.00	-0.07	21.65	-325.	0.000
661	7.91	7.91	0.00	-0.01	4.36	-65.	0.000	0.00	-0.04	11.52	-173.	0.000	0.00	-0.04	13.90	-209.	0.000
662	7.91	7.91	0.00	0.01	0.00651.	0.001	0.00	0.01	4.29	-64.	0.000	0.00	-0.02	6.80	-102.	0.000	0.00
663	7.91	7.91	0.52	0.03	36.89	4795.	0.004	0.32	0.01	30.74	2165.	0.002	0.25	0.00	26.48	1303.	0.001
664	7.91	7.91	1.09	0.06	88.64	9082.	0.008	0.89	0.03	82.30	6507.	0.005	0.83	0.02	79.36	5655.	0.005
665	7.91	7.91	1.57	0.08	129.6812883.	0.011	1.38	0.05	124.3910405.	0.009	1.32	0.04	122.09	9582.	0.008	0.00	0.00
666	7.91	7.91	1.86	0.09	151.1215522.	0.014	1.69	0.07	147.4813210.	0.011	1.64	0.06	145.8912441.	0.011	0.00	145.8912441.	0.011
667	7.91	7.91	1.85	0.10	145.0815804.	0.014	1.70	0.08	142.9513755.	0.012	1.65	0.07	141.9513074.	0.011	0.00	141.9513074.	0.011
668	7.91	7.91	1.88	0.11	144.2816338.	0.015	1.74	0.09	143.1314409.	0.013	1.70	0.08	142.4213771.	0.012	0.00	142.4213771.	0.012
669	7.91	7.91	1.79	0.11	131.3316006.	0.015	1.67	0.09	131.2514240.	0.013	1.63	0.08	130.92123656.	0.012	0.00	130.92123656.	0.012
670	13.72	13.72	0.00	0.00	0.97	-15.	0.000	0.00	0.00	0.00	120.	0.000	0.00	0.01	0.00	200.	0.000
671	13.72	13.72	0.00	-0.08	23.62	-354.	0.000	0.00	-0.06	18.55	-278.	0.000	0.00	-0.06	16.85	-253.	0.000
672	13.72	13.72	0.00	-0.18	51.82	-777.	0.000	0.00	-0.15	44.44	-667.	0.000	0.00	-0.14	41.97	-630.	0.000
673	13.72	13.72	0.00	-0.16	45.84	-688.	0.000	0.00	-0.16	46.81	-702.	0.000	0.00	-0.16	47.13	-707.	0.000
674	13.72	13.72	0.00	-0.12	34.00	-510.	0.000	0.00	-0.13	37.14	-557.	0.000	0.00	-0.13	38.19	-573.	0.000
675	13.72	13.72	0.50	-0.07	48.42	5.	0.000	0.29	-0.09	10.71	-578.	0.000	0.22	-0.09	15.89	-557.	0.000
676	13.72	13.72	1.10	-0.04	94.40	2126.	0.001	0.90	-0.05	78.45	1048.	0.000	0.83	-0.06	72.77	742.	0.000
677	13.72	13.72	1.64	0.00	132.17	4802.	0.002	1.45	-0.02	123.10	3549.	0.001	1.38	-0.03	116.88	3138.	0.001
678	13.72	13.72	2.11	0.02	161.48	7183.	0.003	1.92	0.00	151.12	5899.	0.002	1.86	0.00	150.06	5475.	0.002
679	13.72	13.72	2.47	0.05	182.16	9133.	0.004	2.30	0.03	175.77	7866.	0.003	2.24	0.02	173.44	7443.	0.003
680	13.72	13.72	2.67	0.07	190.7010460.	0.005	2.51	0.05	185.97	9238.	0.004	2.46	0.04	184.21	8832.	0.004	0.00
681	13.72	13.72	2.64	0.08	182.7910834.	0.005	2.50	0.06	179.48	9694.	0.004	2.45	0.06	178.19	9316.	0.004	0.00
682	13.72	13.72	2.32	0.08	156.88	9788.	0.005	2.19	0.06	154.34	8767.	0.004	2.15	0.06	153.37	8426.	0.004
683	13.72	13.72	2.18	0.08	144.04	9420.	0.004	2.06	0.06	142.11	8456.	0.004	2.02	0.06	141.34	8134.	0.004
684	13.72	13.72	1.92	0.08	123.65	8523.	0.004	1.81	0.06	122.20	7629.	0.004	1.77	0.06	121.56	7334.	0.003
685	5.81	5.81	0.00	0.01	0.00791.	0.001	0.00	0.01	0.0001015.	0.002	0.00	0.01	0.0001093.	0.002			

701		5.81	5.81	0.45	0.00	55.93	2905.	0.002	0.46	0.00	55.52	3300.	0.003	0.46	0.00	55.30	3427.	0.003
702		5.81	5.81	0.62	-0.03	74.74	2034.	0.002	0.49	-0.02	59.89	1754.	0.001	0.45	-0.02	54.92	1662.	0.001
703		5.81	5.81	0.98	-0.06	112.75	2140.	0.002	0.84	-0.05	97.31	1923.	0.002	0.79	-0.05	92.18	1855.	0.001
704		5.81	5.81	1.34	-0.09	152.58	2630.	0.002	1.19	-0.08	134.47	2158.	0.002	1.14	-0.08	129.09	2094.	0.002
705		5.81	5.81	1.72	-0.06	211.30	6694.	0.005	1.57	-0.07	188.99	5059.	0.004	1.52	-0.08	181.28	4535.	0.004
706		5.81	5.81	2.09	-0.04	260.3911405.	0.009	1.93	-0.05	240.77	9488.	0.007	1.88	-0.05	233.98	8863.	0.007	
707		5.81	5.81	2.40	-0.01	297.0715774.	0.012	2.25	-0.02	279.9413733.	0.011	2.20	-0.03	274.0413057.	0.010			
708		5.81	5.81	2.63	0.01	320.0519204.	0.016	2.48	0.00	305.0917135.	0.013	2.44	0.00	299.9416448.	0.013			
709		5.81	5.81	2.72	0.03	326.6421303.	0.018	2.59	0.02	313.6519266.	0.016	2.54	0.01	309.1618593.	0.015			
710		5.81	5.81	2.65	0.04	313.2721756.	0.019	2.52	0.03	302.1719794.	0.017	2.48	0.02	298.3219143.	0.016			
711		5.81	5.81	2.37	0.05	277.2520260.	0.018	2.26	0.03	267.9618399.	0.016	2.22	0.03	264.7017783.	0.015			
712		5.81	5.81	1.89	0.04	218.9216586.	0.015	1.79	0.03	211.1414858.	0.013	1.76	0.03	208.4314277.	0.013			
713		5.81	5.81	1.65	0.04	189.1114805.	0.014	1.55	0.03	182.2913136.	0.012	1.52	0.02	179.8212586.	0.011			
714		5.81	5.81	0.86	0.04	89.72	9024.	0.009	0.76	0.02	84.55	7372.	0.007	0.73	0.02	82.67	6824.	0.006
715		5.81	5.81	0.78	0.01	94.37	6029.	0.005	0.81	0.01	98.31	6157.	0.005	0.82	0.01	99.63	6201.	0.005
716		5.81	5.81	0.59	0.01	70.62	4633.	0.004	0.62	0.01	74.17	4988.	0.004	0.63	0.01	75.35	5106.	0.004
717		5.81	5.81	0.69	0.00	84.80	4504.	0.004	0.58	0.00	71.18	4090.	0.003	0.55	0.00	66.60	3950.	0.003
718		5.81	5.81	0.96	-0.02	120.06	5058.	0.004	0.85	-0.01	105.65	4700.	0.004	0.81	-0.01	100.82	4582.	0.004
719		5.81	5.81	1.24	-0.04	153.75	5397.	0.004	1.12	-0.03	138.63	5058.	0.004	1.08	-0.03	133.58	4946.	0.004
720		5.81	5.81	1.53	-0.04	190.75	7202.	0.006	1.40	-0.05	173.25	5869.	0.005	1.36	-0.05	167.37	5478.	0.004
721		5.81	5.81	1.82	-0.02	226.1910661.	0.008	1.68	-0.03	209.75	9176.	0.007	1.64	-0.03	204.15	8684.	0.007	
722		5.81	5.81	2.06	0.00	253.9913805.	0.011	1.93	-0.01	238.6212243.	0.010	1.88	-0.01	233.4011727.	0.009			
723		5.81	5.81	2.23	0.01	271.7016177.	0.013	2.10	0.00	257.3814603.	0.011	2.05	0.00	252.5314081.	0.011			
724		5.81	5.81	2.29	0.02	276.2317427.	0.015	2.16	0.01	263.0315880.	0.013	2.12	0.01	258.5515371.	0.012			
725		5.81	5.81	2.20	0.02	264.0617296.	0.015	2.09	0.02	252.1015823.	0.013	2.05	0.01	248.0515333.	0.013			
726		5.81	5.81	1.94	0.03	231.5815636.	0.014	1.84	0.02	221.2314243.	0.012	1.80	0.02	217.6913788.	0.012			
727		5.81	5.81	1.50	0.02	176.9912343.	0.011	1.41	0.02	168.7311047.	0.009	1.38	0.01	165.8810618.	0.009			
728		5.81	5.81	1.09	0.02	126.30	9399.	0.009	0.98	0.01	115.88	7961.	0.007	0.94	0.01	112.36	7490.	0.006
729		5.81	5.81	0.34	0.02	30.80	4089.	0.004	0.28	0.01	31.35	2673.	0.003	0.26	0.00	31.87	1915.	0.002
730		5.81	5.81	0.58	0.00	70.92	4282.	0.004	0.63	0.00	77.13	4570.	0.004	0.65	0.00	79.19	4666.	0.004
731		5.81	5.81	0.37	0.01	43.48	2997.	0.003	0.42	0.01	50.22	3393.	0.003	0.44	0.01	52.46	3528.	0.003
732		5.81	5.81	0.36	0.00	42.86	2857.	0.002	0.27	0.01	31.61	2343.	0.002	0.24	0.01	27.81	2170.	0.002
733		5.81	5.81	0.60	0.00	74.01	4152.	0.003	0.51	0.00	61.79	3632.	0.003	0.47	0.00	57.71	3452.	0.003
734		5.81	5.81	0.85	-0.01	105.21	5266.	0.004	0.74	0.00	91.97	4722.	0.004	0.71	0.00	87.55	4539.	0.004
735		5.81	5.81	1.10	-0.01	136.80	6367.	0.005	0.99	-0.01	122.66	5794.	0.005	0.95	-0.01	117.93	5608.	0.004
736		5.81	5.81	1.35	-0.01	166.66	8668.	0.007	1.23	-0.01	152.37	7643.	0.006	1.19	-0.01	147.58	7305.	0.006
737		5.81	5.81	1.57	0.00	193.3610800.	0.008	1.45	0.00	178.89	9733.	0.008	1.41	0.00	174.05	9378.	0.007	
738		5.81	5.81	1.75	0.00	214.4812477.	0.010	1.63	0.00	200.0511396.	0.009	1.59	0.00	195.2211038.	0.009			
739		5.81	5.81	1.86	0.01	226.9213469.	0.011	1.74	0.00	212.7512410.	0.010	1.70	0.00	208.0312057.	0.010			
740		5.81	5.81	1.86	0.01	227.1113569.	0.011	1.75	0.01	213.5612553.	0.010	1.71	0.00	209.0612212.	0.010			
741		5.81	5.81	1.73	0.01	211.2412541.	0.010	1.63	0.00	198.8111589.	0.009	1.59	0.00	194.6711269.	0.009			
742		5.81	5.81	1.43	0.00	175.5010096.	0.008	1.34	0.00	164.97	9246.	0.007	1.31	0.00	161.45	8963.	0.007	
743		5.81	5.81	0.89	0.00	109.77	6206.	0.005	0.81	0.00	99.63	5382.	0.004	0.78	0.00	96.28	5110.	0.004
744		5.81	5.81	0.35	0.00	43.77	2233.	0.002	0.30	-0.01	37.98	1670.	0.001	0.29	-0.01	36.01	1490.	0.001