



STUDIO BALDI & ASSOCIATI, INGEGNERIA E ARCHITETTURA

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Regione Toscana - Provincia di Pistoia

COMUNE di QUARRATA

Piazza della Vittoria n. 1

PROGETTISTA

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TITOLO DEL PROGETTO

REALIZZAZIONE DI PALESTRA AL SERVIZIO DELLA
SCUOLA PRIMARIA "DE ANDRE" E SCUOLA
DELL'INFANZIA "MADRE TERESA DI CALCUTTA"

FASCICOLO

RELAZIONE DI CALCOLO

UBICAZIONE

via Rubattorno ang. Via del Paradiso - Loc. Santonuovo - Quarrata

DATA

DOCUMENTO CAD

ARCHIVIO POSIZ. N.

358

DISEGNO N.

A8.2

N.	DATA	OGGETTO REV.
1	15/04/2019	INTEGRAZIONE 1
2	05/06/2019	INTEGRAZIONE 2
3		
4		
5		
6		

PROGETTISTA

RUP

D.L.

NOTE

Dati generali

Il presente intervento ha come oggetto la realizzazione di un nuovo edificio scolastico adibito a palestra per attività ludico-motoria in adiacenza del plesso scolastico di Santonuovo, nel Comune di Quarrata, via Rubattorno. Esso dista dalla strada pubblica a distanza di oltre 10 ml. ed è libero su quattro lati a distanza di oltre 10 ml dall'edificio scolastico principale esistente. La costruzione è prevista di un solo piano fuori terra (senza interrato) con all'interno un piano mezzanino, e raggiunge una altezza massima in gronda di ml. 7.20 dal piano di campagna.

L'intervento ricade in zona di classificazione sismica 3.

Il lotto su cui si interviene si trova ad una quota di circa 50 m. s.l.m. e le coordinate geografiche del sito sono:

- Latitudine **43° 51' 52" (43,8643);**
- Longitudine **10° 56' 17" (10,9380).**

Il nuovo immobile deve essere realizzato per soddisfare le seguenti caratteristiche costruttive :

- Classe d'uso **III**;
- Coefficiente d'uso $C_u = 1,5$;
- Vita nominale $V_N = 50$ anni
- Periodo di riferimento $V_R = 75$ anni

Normativa di riferimento

Il progetto in esame è stato svolto in accordo a quanto prescritto dalle normative riportate di seguito:

1. D.M. 17.01.2018 – Nuove norme tecniche per le costruzioni
2. Circolare Esplicativa n. 617 del 02.02.2009
3. D.P.R. 380/2001
4. LR 50/2017

Analisi dei carichi

Pesi Propri e Carichi Permanenti Definiti G1

- SOLAIO DI COPERTURA

Peso proprio solaio Timber	0,30	kN/mq
Peso pannello OSB sp. 24 mm	0,10	kN/mq
G1	0,40	kN/mq

- SOLAIO MEZZANINO

Peso proprio solaio bausta 20+4 i=60 cm	2,50	kN/mq
Peso intonaco	0,30	kN/mq
G1	3,10	kN/mq

- SCALA INTERNA

Peso proprio	6,00	kN/mq
Peso intonaco	0,30	kN/mq
Peso pavimento	0,70	kN/mq
G1	7,00	kN/mq

Carichi Permanenti Non Compiutamente Definiti **G2**

1. SOLAIO DI COPERTURA

Lamiera alluminio + listelli legno	0,05	kN/mq
Isolante + barr. vapore	0,10	kN/mq
Peso pannello OSB sp. 20 mm	0,10	kN/mq
Impianti e/o arredi	0,20	kN/mq
G2	0,45	kN/mq

2. SOLAIO MEZZANINO

Peso pavimento	1,00	kN/mq
Peso tramezzature cartongesso (*)	0,40	kN/mq
G2	1,40	kN/mq

(*) Per determinare l'incidenza di questi si segue quanto riportato nelle NTC al punto 3.1.3.1. Le tramezzature (spessore cm 10/12) hanno un peso proprio di 0,31 kN/m² (peso lastra 12,5 mm pari a 7,5 daN/m² per cui 4 lastre + 1 daN/m² per la struttura si ha 4x7,5+1=31 daN/m²) ed essendo l'altezza di piano pari a 3,20 ml si ottiene un peso proprio per unità di lunghezza $G_{2k} = 0,992$ kN/ml da cui si ricava $g_2 = 0,40$ kN/mq.

3. SCALA INTERNA

Peso accessori	0,50	kN/mq
G2	1,40	kN/mq

Carichi di Esercizio **Qk**

1. SOLAIO DI COPERTURA

Neve (**)	Qk2	0,80	kN/mq
(**) vedi nota			

2. SOLAIO MEZZANINO

Accidentale C4	5,00	kN/mq
Qk1	5,00	kN/mq

3. SCALA INTERNA

Accidentale C4	5,00	kN/mq
Qk1	5,00	kN/mq

4. SOLAIO DI COPERTURA

Accidentale H	0,50	kN/mq
Qk3	0,50	kN/mq

Neve:

Zona Neve = II

C_e (coeff. di esposizione al vento) = 1,0

$C_t = 1,0$

Valore caratteristico del carico al suolo ($q_{sk} C_e$) = 100 daN/m²

Copertura a due falde:

Angolo di inclinazione delle falde 1 e 2 $\alpha < 15^\circ$

$\mu_1 = 0,80$

Q_{k2} (carico distribuito unitario) = 80,00 daN/m²

Vento:

Zona vento = 3

($v_{b,0} = 27$ m/s; $a_0 = 500$ m; $k_a = 0,020$ 1/s)

Classe di rugosità del terreno: B

Categoria esposizione: tipo IV ($k_r = 0,22$; $z_0 = 0,30$ m; $z_{min} = 8$ m)

Velocità di riferimento = 27,00 m/s

Pressione cinetica di riferimento (q_b) = 46 daN/mq

Angolo di inclinazione delle falde 1 e 2 $\alpha < 15^\circ$

Coefficiente di forma sottovento (C_{p1}) = 0,60

Coefficiente di forma sopravento (C_{p2}) = $0,80 \cdot (1 + \sin \alpha) = 0,88$

Coefficiente dinamico (C_d) = 1,00

Coefficiente di esposizione (C_e) = 2,00

Coefficiente di esposizione topografica (C_t) = 1,00

Altezza dell'edificio = 13,60 m

Q_{k4_1} sottovento ($p = q_b C_e C_{p1} C_d$) = 55,20 daN/m²

Q_{k4_2} sopravento ($p = q_b C_e C_{p2} C_d$) = -80,96 daN/m²

Parametri di pericolosità sismica

Ubicazione: **via Rubattorno - Santonuovo – Comune di Quarrata**

Coordinate geografiche:

Latitudine **43,8643**

Longitudine **10,9380**

Classe di duttilità: **NON DISSIPATIVO**

Vita nominale e di riferimento:

Vita nominale (anni)	Classe d'uso	C_U	Vita di riferimento (anni)
$V_N = 50$ anni	III	1,5	$V_R = V_N \times C_U = 75$

Categoria del suolo: **E**

Condizioni topografiche: **T1**

Smorzamento: **$\xi = 5\%$**

Parametri sismici

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	45	0,056	2,553	0,258
SLD	63.0	75	0,068	2,555	0,271
SLV	10.0	712	0,158	2,396	0,306
SLC	5.0	1462	0,191	2,380	0,312

SL	ag	Ss	Cc	Fo	Fv	Tb	Tc	Td
	g					sec	sec	sec
SLO	0,056	1,60	1,98	2,553	0,796	0,170	0,511	1,824
SLD	0,068	1,60	1,94	2,555	0,888	0,175	0,526	1,872
SLV	0,158	1,58	1,85	2,396	1,271	0,189	0,566	2,232
SLC	0,191	1,50	1,83	2,380	1,408	0,190	0,571	2,364

Modellazione

L'analisi della struttura è stata effettuata mediante una discretizzazione con la tecnica degli elementi finiti. Il programma utilizzato per tale analisi è **Nolian** (lic. 1172), della Softing srl di Roma. L'analisi sismica della struttura è stata eseguita con il metodo dell'analisi dinamica modale con spettro di risposta (con solutore dinamico) con gli spettri di progetto definiti dalla Normativa di Riferimento. Si è assunto il regime di linearità del materiale (proporzionalità tra tensioni e deformazioni) e di linearità geometrica (proporzionalità tra carichi e spostamenti). Incognite del problema (metodo degli spostamenti) sono assunte le 6 componenti di spostamento di ogni nodo, riferite alla terna globale (traslazioni secondo X,Y,Z, rotazioni attorno X,Y,Z) escluse naturalmente quelle impediti dai vincoli imposti alla struttura. Il metodo permette di giungere all'impostazione di un sistema di equazioni algebriche lineari, nelle sopra citate componenti di spostamento (gradi di libertà) i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati nei nodi:

$$K * u = F$$

dove K = matrice di rigidezza

u = vettore spostamenti nodali

F = vettore forze nodali

Dagli spostamenti risultanti dalla risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni in punti caratteristici di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

A questo programma, processore, sono affiancati due post-processor *Easy Beam* (per gli elementi bidimensionali), *Easy Wood* (per gli elementi lignei) e *Nuans* (per il dimensionamento e verifiche geotecniche) sempre della Softing srl, i quali hanno permesso di elaborare le combinazioni dei risultati, derivanti dal solutore, e successivamente fare tutte le verifiche imposte dalla normativa (NTC 2008).

Le struttura è stata rappresentata da un modello numerico del tipo "a fil di ferro" rappresentante cioè la struttura principale costituita dalle travi e dai pilastri in cemento armato. Le travi in lamellare sono state considerate incernierate alle estremità, come travi su doppio appoggio. Il solaio di copertura sarà realizzato con pannelli in legno di spessore 160 mm costituiti da due regoli di sezione mm 52x120h e due pannelli OSB di 12 mm ai lati. Nel modello tale pannello è stato considerato un pannello pieno di altezza tale da avere caratteristiche equivalenti. Il modello si presenta quindi costituito da una serie di aste tra loro rigidamente collegate le quali formano i vari telai di cui è composto il fabbricato. I pilastri e le travi a sezione rettangolare sono rappresentati con l'elemento TRAVE mentre quelli a sezione diversa dalla precedente sono rappresentati con l'elemento TRAVE GENERICA. Le strutture bidimensionali (pannelli di copertura) sono stati rappresentati o con l'elemento GUSCIO. Le fondazioni sono state calcolate congiuntamente alla struttura fuori terra. Trattandosi in questo caso di travi rovesce, questa è stata schematizzata con gli elementi TRAVE WINKLER, che rappresenta un elemento lineare poggiante su uno strato elastico con costante di sottofondo K cioè con un comportamento tipo "Winkler". I pesi sono stati calcolati in automatico, in base alle dimensioni e alle densità reali; i carichi portati dai solai, sia permanenti che variabili, sono stati definiti come proprietà di quest'ultimi e quindi distribuiti automaticamente alle membrature. Altri carichi di tipo generico, sia permanenti che variabili, tipo peso dei tamponamenti, sono stati applicati direttamente sugli elementi interessati.

La tipologia è quella di edificio regolare in pianta e non regolare in altezza, con funzionamento a **pendolo inverso**. La struttura è stata progettata come **non dissipativa**, ipotizzando che i materiali rimangano in campo elastico.

Tutte le verifiche effettuate sono state condotte coi valori massimi di sollecitazione involuppati mediante procedura automatica dai post-processor *Easy Beam* (per gli elementi bidimensionali) e con *Nuans* (per il dimensionamento e verifiche geotecniche), a partire dai valori di sforzo calcolati per i singoli casi di carico statici e con l'analisi dinamica modale. Si osserva che per l'analisi dinamica modale si è proceduto alla combinazione quadratica completa della risposta di tutti i modi calcolati e successivamente alla sovrapposizione degli effetti secondo quanto precisato al punto 7.3.5 delle NTC. Il tipo di verifica effettuato per ciascuna membratura è identificato nel report di calcolo dal numero.

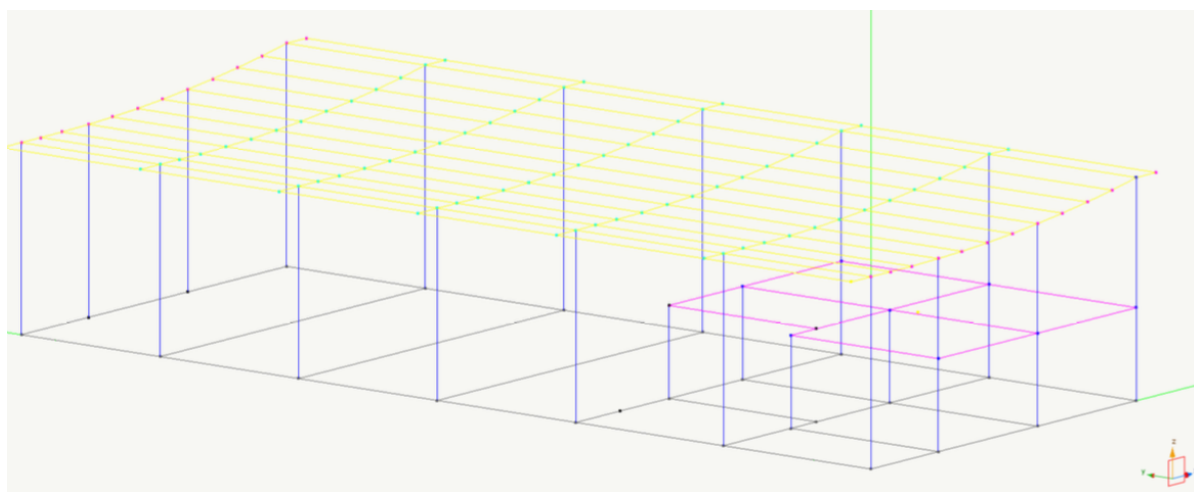


Immagine della struttura a "fil di ferro"

Per il modello numerico impiegato nei calcoli si è cercato di rispettare quanto più possibile le caratteristiche geometriche e inerziali della struttura, nonché la distribuzione e l'intensità dei carichi che la struttura dovrà sopportare in esercizio. Si

riportano alcune immagini del modello di calcolo.

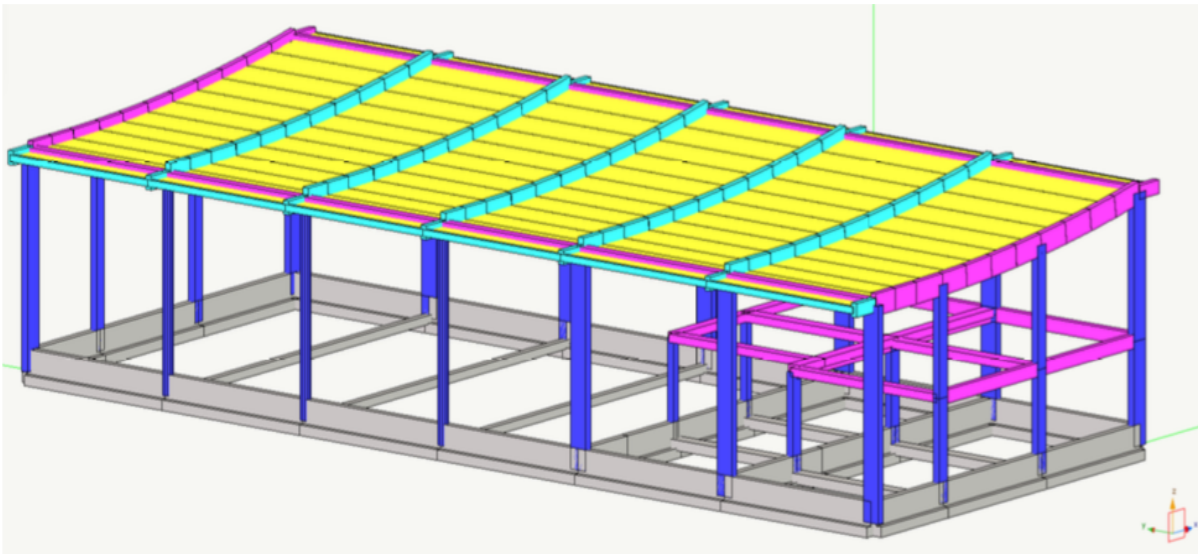
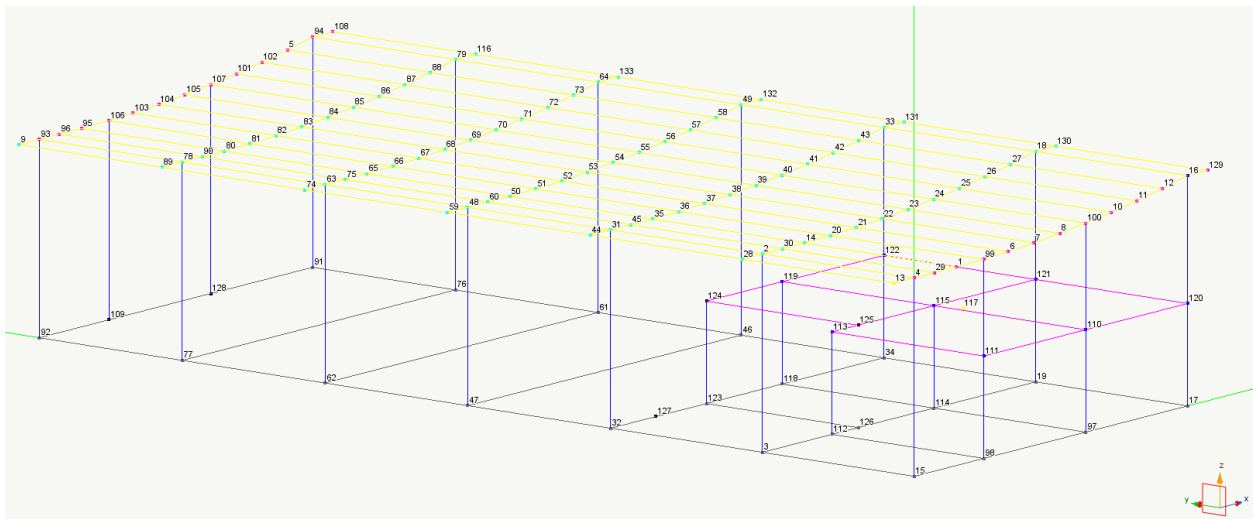
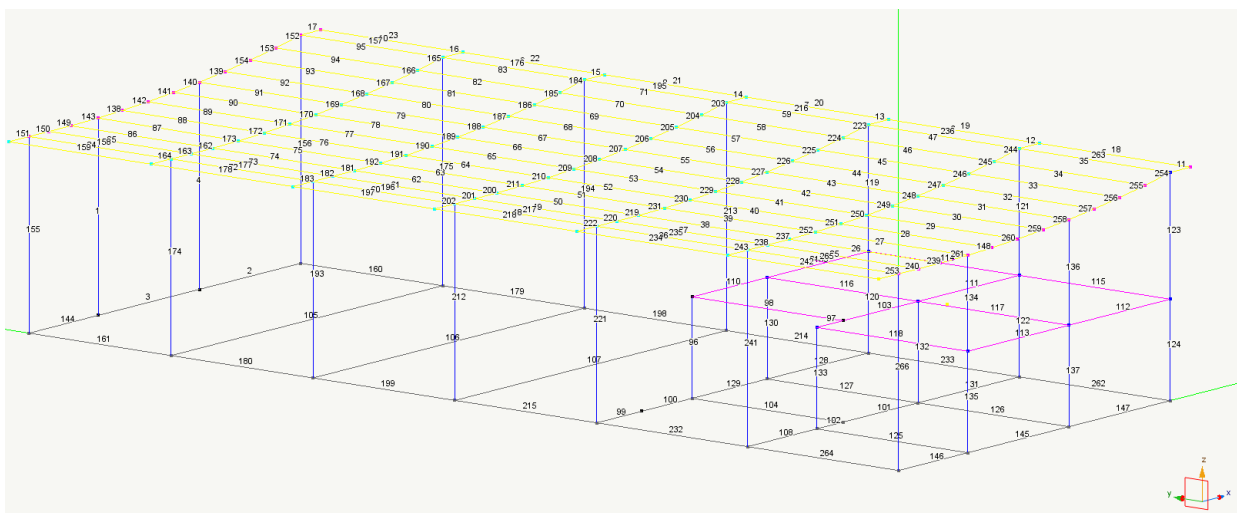


Immagine 3D della struttura



Numerazione NODI



Numerazione ELEMENTI

Dall'elaborato numerico (inserito nel fascicolo di calcolo) si ricavano i seguenti parametri sismici:

Dalla tabella soprastante risulta che l'edificio **non è regolare in altezza** e che la deformabilità torsionale minima assume il valore $r/l_s = 1,443 > 0,8$ cioè l'edificio **non è torsionalmente deformabile**.

Effetti delle non linearità geometriche

È altresì ricavabile il valore del fattore di sensibilità allo spostamento laterale θ , dato dalla seguente relazione:

$$\theta = P d_{Er} / [V h]$$

dove:

- P è il carico verticale totale dovuto all'orizzontamento in esame e alla struttura ad esso sovrastante;

- d_{Er} è lo spostamento orizzontale medio d'interpiano allo SLV, ottenuto come differenza tra lo spostamento orizzontale dell'orizzontamento considerato e lo spostamento orizzontale dell'orizzontamento immediatamente sottostante;

- V è la forza orizzontale totale in corrispondenza dell'orizzontamento in esame, derivante dall'analisi lineare con fattore di comportamento q ;

- h è la distanza tra l'orizzontamento in esame e quello immediatamente sottostante.

	Quota	Massa	Jx	Jy	ex	ey	tx	ty
1	320.00	998.64	1230924	931540	167.880	-466.423	0.002	0.003

Massima eccentricità relativa	0.4201	Soglia minima di massa	0.100000
Massimo rapporto tra frequenze	2.275	Numero piani esclusi dalla ricerca	0
Massimo rapporto tra giratori di rigidezza	1.082		
Massima variazione di eccentricità	0.0000		
Massima variazione di massa	0.0000		
Massima variazione di rigidezza	0.0000		
Massima sensibilità allo spostamento	0.0033	NON REGOLARE	
Fattore Ampl. spostamenti sismici	1.000	NON NECESSITA AMPLIFICAZIONE PER NON. LIN. GEOM	
Massima deformabilità torsionale	1.435		
Ampl. azione Sism. per non Lin. Geom.	1.000		

Gli effetti delle non linearità geometriche possono essere trascurati, quando è minore di 0,1.

Il fattore θ non può comunque superare il valore 0,3.

Nel caso esaminato si ha che $\theta = 0,0038$ e pertanto essendo $< 0,1$ gli effetti delle non linearità geometriche possono essere trascurati.

Fattore di comportamento

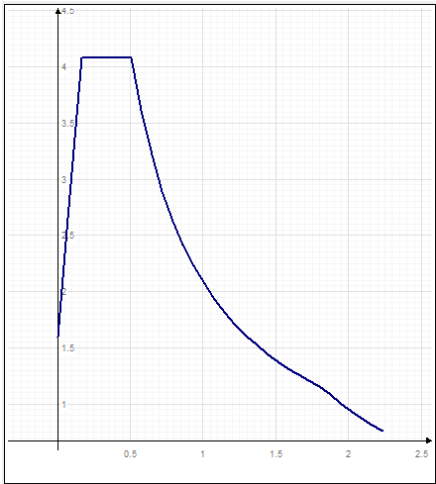
La tipologia è quella di edificio regolare in pianta e non regolare in altezza, con funzionamento a pendolo inverso. Come già detto in precedenza la struttura è stata progettata come **non dissipativa**, ipotizzando che i materiali rimangano in campo elastico. Per le strutture a comportamento strutturale non dissipativo si adotta un fattore di comportamento q_{ND} , ridotto rispetto al valore minimo relativo alla CD"B" (Tab. 7.3.II) secondo l'espressione:

$$1 \leq q_{ND} = 2/3 q_{CD"B"} \leq 1,5$$

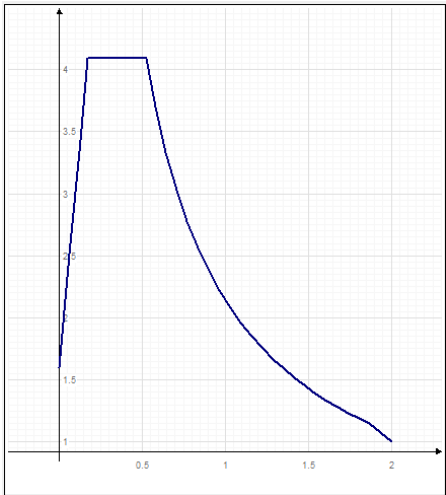
Nel caso specifico è stato utilizzato un fattore di comportamento $q_{ND} = 1$.

SPETTRI.

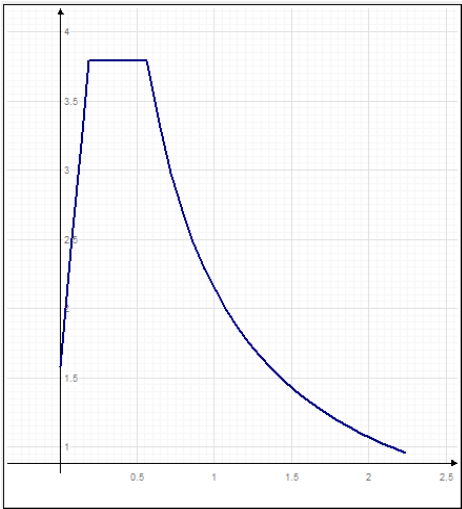
SLO



SLD



SLV



VERIFICHE

VERIFICA IN TERMINI DI RIGIDEZZA ELEMENTI STRUTTURALI

La condizione in termini di rigidezza sulla struttura si ritiene soddisfatta qualora la conseguente deformazione degli elementi strutturali non produca sugli elementi non strutturali danni tali da rendere la costruzione temporaneamente inagibile.

Nel caso delle costruzioni civili e industriali, qualora la temporanea inagibilità sia dovuta a spostamenti di interpiano eccessivi, questa condizione si può ritenere soddisfatta quando gli spostamenti di interpiano ottenuti dall'analisi in presenza dell'azione sismica di progetto corrispondente allo SL e alla CU considerati siano inferiori ai limiti indicati nel seguito.

La verifica agli stati limite di esercizio, ai sensi delle NTC2018 § 7.3.6.1, viene fatta automaticamente dal programma di calcolo ed è indicata nelle verifiche dei pilastri.

Di seguito comunque viene riportato l'estratto di tale verifica al fine di renderla immediatamente percepibile.

La verifica, ai sensi del § 7.3.6.1 è

- a) $d_r < 0,005 h$ per tamponamenti collegati rigidamente alla struttura
- b) $d_r < d_{rp} < 0,01 h$ per tamponamenti progettati per non subire danni a seguito di spostamenti di interpiano d_{pr}

In particolare si evidenzia che, per le costruzioni in Classe III deve essere verificato che in presenza dell'azione sismica di progetto relativa allo SLO, $d_r < 2/3 \ 0,005 h$ (corrispondente a 0,00333 h).

Condizione, anche questa, comunque verificata.

Nel caso di **SLO** la verifica è soddisfatta se $d_r < 0,0033 h$ con h altezza dell'interpiano.

I dati ottenuti sono una lista di quote di impalcato per ognuna delle quali vi è il valore di spostamento (relativo) e cioè la differenza di spostamenti di estremità, e spostamento d_r rispetto all'interpiano (Spst./Altezza).

Verifica contenimento del danno			
Stato limite:		Stato limite di operatività	
Valore di riferimento:		0.003300	
Moltiplicatore degli spostamenti:		1.000000	
Quota (cm)	Interpiano (cm)	Spostamento (cm)	Spostamento relativo
340.00	320.000000	0.518347	0.001620
637.50	302.500000	0.542713	0.001794
Massimo spostamento interpiano relativo (d_r):			0.001794

Nel caso di **SLD** la verifica è soddisfatta se $d_r < 0,005 h$.

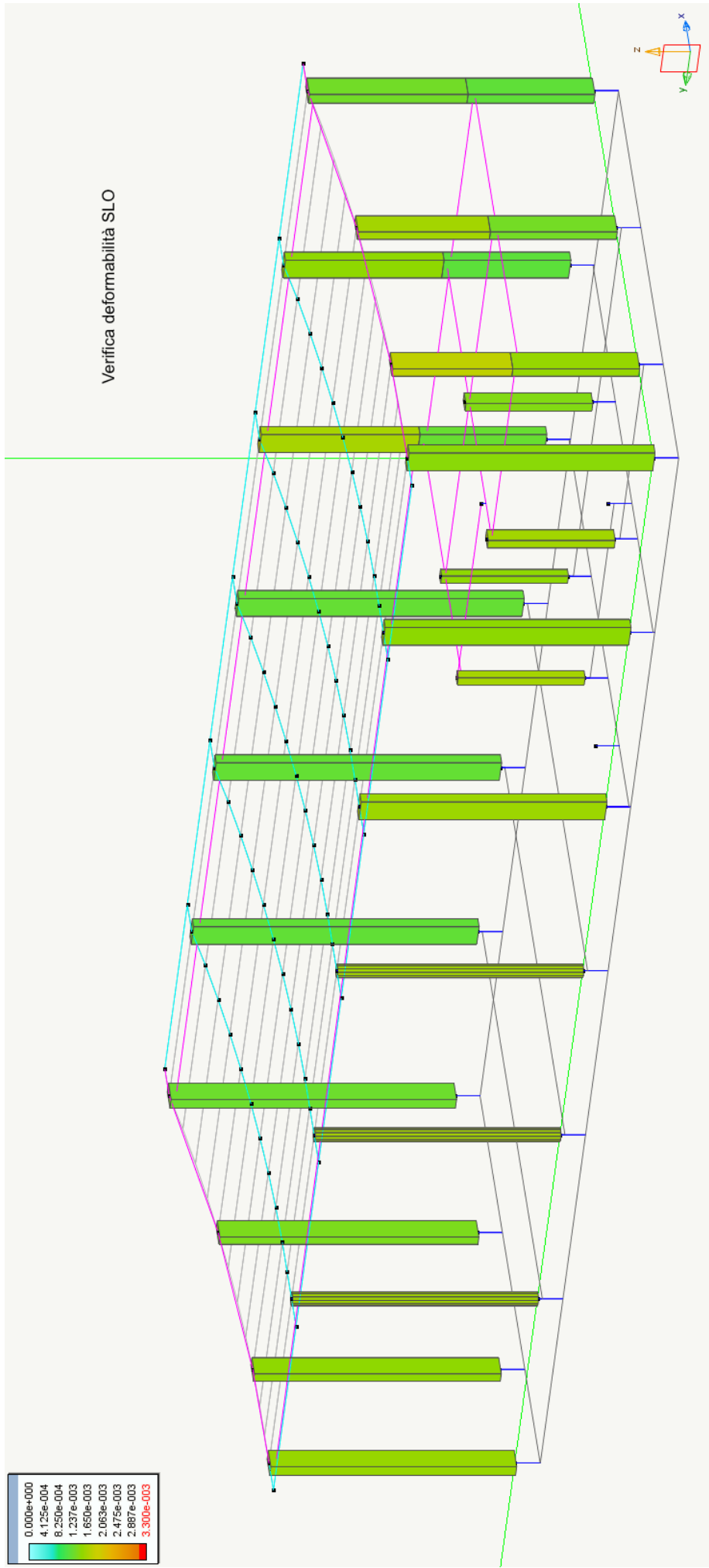
I dati ottenuti sono una lista di quote di impalcato per ognuna delle quali vi è il valore di spostamento (relativo) e cioè la differenza di spostamenti di estremità, e spostamento d_r rispetto all'interpiano (Spst./Altezza).

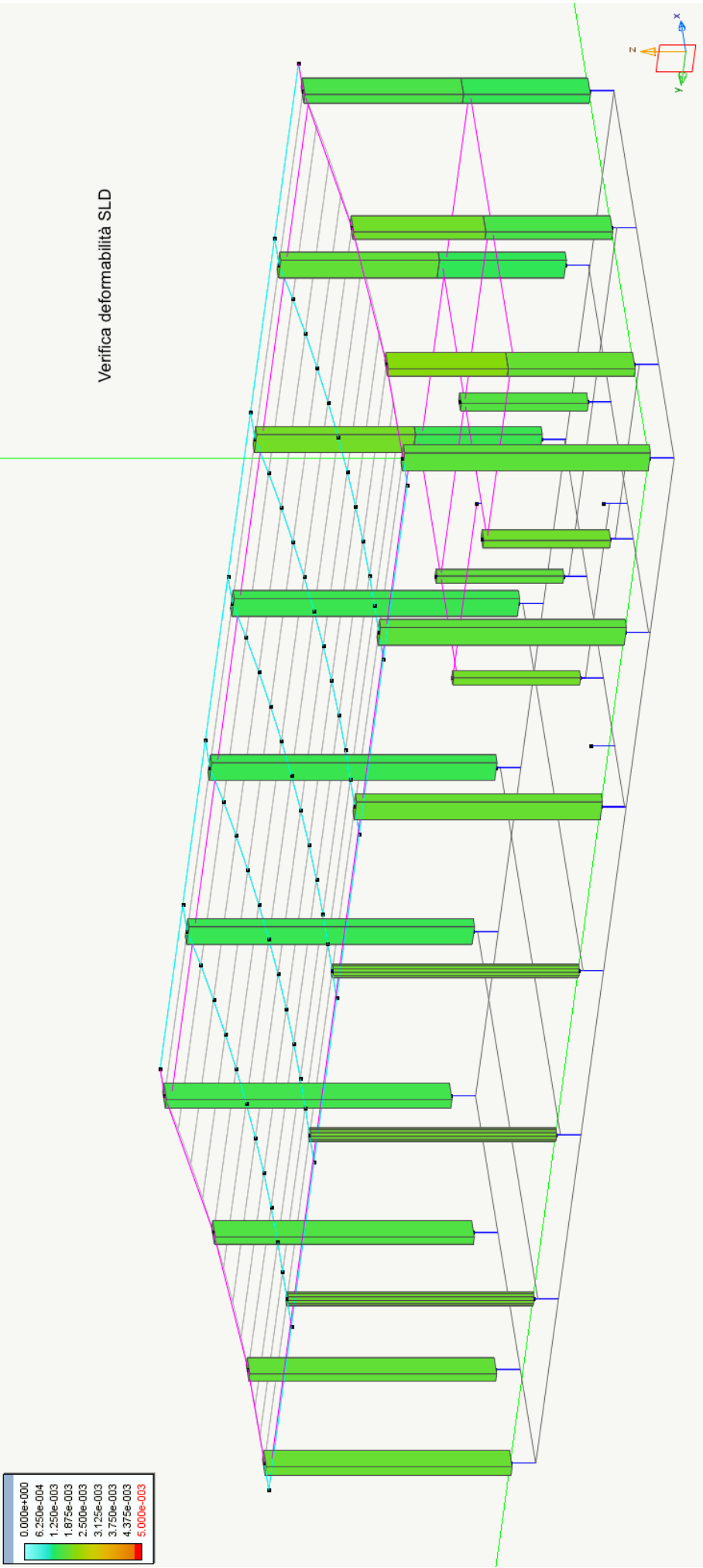
Verifica contenimento del danno			
Stato limite:		Stato limite di danno	
Valore di riferimento:		0.005000	
Moltiplicatore degli spostamenti:		1.000000	
Quota (cm)	Interpiano (cm)	Spostamento (cm)	Spostamento relativo
340.00	320.000000	0.619801	0.001937
637.50	302.500000	0.651906	0.002155
Massimo spostamento interpiano relativo (d_r):			0.002155

Nella verifica in condizioni di **SLV** la verifica gli spostamenti sono stati moltiplicati per il coefficiente μ come stabilito al § 7.3.3.3 delle NTC 2018. Nello specifico, essendo $q = 1$ si ha $\mu_d = 1$ per qualunque valore di T_1 .

Verifica contenimento del danno			
Stato limite:		Stato limite di salvaguardia della vita	
Valore di riferimento:		0.005000	
Moltiplicatore degli spostamenti:		1.000000	
Quota (cm)	Interpiano (cm)	Spostamento (cm)	Spostamento relativo
340.00	320.000000	1.282836	0.004009
637.50	302.500000	1.367667	0.004521
Massimo spostamento interpiano relativo (dr):			0.004521

Tutti gli spostamenti ricavati risultano ammissibili e compatibili con la struttura progettata.





VERIFICA IN TERMINI DI STABILITÀ E FUNZIONAMENTO IMPIANTI

Verifiche di funzionamento

Per gli impianti, si è verificato che gli spostamenti strutturali o le accelerazioni (a seconda che gli impianti siano più vulnerabili all'effetto dei primi o delle seconde) prodotti dalle azioni relative allo SL e alla CU considerati non fossero tali da produrre interruzioni d'uso degli impianti stessi.

Nello specifico non sono previsti impianti di particolare vulnerabilità sotto questo aspetto o comunque non sono state adottate particolari soluzioni tecniche (per es. giunti tecnici) che possano influire sul loro corretto funzionamento.

Verifiche di stabilità

Per ciascuno degli impianti principali, i diversi elementi funzionali costituenti l'impianto, compresi gli elementi strutturali che li sostengono e collegano, tra loro e alla struttura principale, avranno capacità sufficiente a sostenere la domanda corrispondente allo SL e alla CU considerati.

In tal senso si farà riferimento alle schede tecniche di installazione di ciascun elemento impiantistico montato, fornite dal costruttore e verificate in fase di esecuzione.

VERIFICA IN TERMINI DI RESISTENZA ELEMENTI STRUTTURALI

Si deve verificare che i singoli elementi strutturali e la struttura nel suo insieme possiedano una capacità in resistenza sufficiente a soddisfare la domanda allo SLV.

Per le strutture a comportamento **non dissipativo**, la capacità delle membrature è calcolata con riferimento al loro comportamento elastico o sostanzialmente elastico.

Di seguito, dopo le verifiche degli elementi strutturali secondari (solai, scala, ecc..), sono riportati gli estratti dell'elaborato numerico con le verifiche in termini di resistenza.

Copriferro

Ambiente: XC1

Classe strutturale: S4

Eurocodice EC2: $C_{nom} = C_{min} + 10$ [mm]

dove: $C_{min} = \min [C_{min,b}; C_{min,dur}; 10 \text{ mm}]$

essendo $C_{min,b}$ = diametro esaminato;

$C_{min,dur}$ = dipende da XC e dallo slump S.

Staffe

Diametro staffa: $\phi_{st} = 8 \text{ mm}$

$C_{min,b} = 8 \text{ mm}$

$C_{min,dur} = 15 \text{ mm}$

da cui: $C_{nom,st} = 15 + 10 = 25 \text{ mm}$

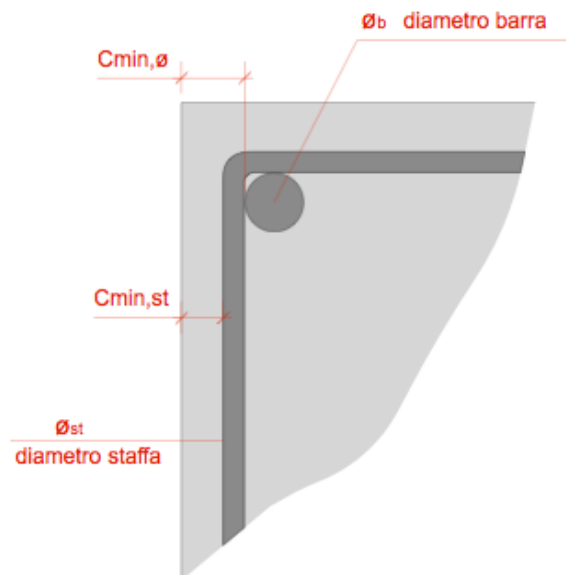
Barra longitudinale

Diametro barra long. : $\phi_b = 20 \text{ mm}$

$C_{min,b} = 20 \text{ mm}$

$C_{min,dur} = 15 \text{ mm}$

da cui: $C_{nom,st} = 20 + 10 = 30 \text{ mm}$



Il copriferro minimo C_{min} è vincolato alla staffa: $C_{st} = 25 \text{ mm}$

e alla barra risulta pari a 33 mm, maggiore di quello minimo di norma.

Il copriferro minimo C_{min} alla barra longitudinale risulta: $C_b = C_{st} + \phi_{st} + 10 = 25 + 8 + 10 = 43 \text{ mm}$

Da cui il copriferro di progetto minimo deve essere: **$C = 43 \text{ mm}$**

SBALZI

Per lo sbalzo presente al piano mezzanino (interno al magazzino) si ha lo schema statico riportato in figura.

Dove: $L = 150$ cm,

$$G1 = 3,75 \text{ kN/m}, \quad G2 = 1,00 \text{ kN/m}, \quad Qk2 = 4,00 \text{ kN/m}$$

Da cui il carico distribuito nella condizione fondamentale:

$$F_d = 1,3 G1 + 1,5 G2 + 1,5 Qk2 \approx 12,40 \text{ kN/m}$$

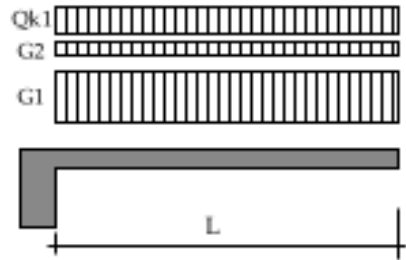
Dati sezione:

$$h_1 = 15 \text{ cm} \quad b = 100 \text{ cm} \quad c = 3 \text{ cm}$$

$$A_{sw} = \text{area armatura tesa} = 1\phi 12/15''$$

$$A'_{sw} = \text{area armatura compressa} = 1\phi 12/15''$$

$$M_{Ed} = F_d L^2/2 \approx 14 \text{ kNm} \quad e \quad V_{Ed} = F_d L \approx 19 \text{ kN}$$



Titolo: Sbalzo mezzanino

N° strati barre: 2 **Zoom**

N°	b [cm]	h [cm]
1	100	15

N°	As [cm²]	d [cm]
1	6,79	4
2	6,79	11

Sollecitazioni: S.L.U. **Metodo n**

N_{Ed} 0 **0** kN
M_{Ed} 14 **0** kNm
M_{yEd} 0 **0**

P.to applicazione N: ☒ Centro ☐ Baricentro cls
☐ Coord.[cm] xN 0 yN 0

Tipo rottura: Lato calcestruzzo - Acciaio snervato

Metodo di calcolo: ☐ S.L.U. + ☐ S.L.U. - ☒ Metodo n

Tipo flessione: ☒ Retta ☐ Deviata

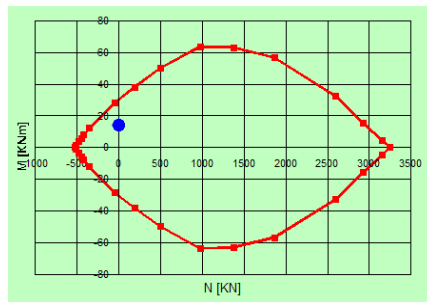
Materiali: B450C C32/40

ϵ_{su} 67,5 ‰ ϵ_{c2} 2 ‰
 f_{yd} 391,3 N/mm² ϵ_{cu} 3,5 ‰
 E_s 200.000 N/mm² f_{cd} 18,13
 E_s/E_c 15 f_{cc}/f_{cd} 0,8 [?] $\sigma_{c,adm}$ 12,25
 ϵ_{syd} 1,957 ‰ $\sigma_{s,adm}$ 255 N/mm² τ_{co} 0,7333
 $\sigma_{s,adm}$ 255 N/mm² τ_{c1} 2,114

M_{xRd} 30,62 kNm
 σ_c -18,13 N/mm²
 σ_s 391,3 N/mm²
 ϵ_c 3,5 ‰
 ϵ_s 9,53 ‰
 d 11 cm
 x 2,955 x/d 0,2686
 δ 0,7758

Calcola MRd **Dominio M-N**
N° rett. 100
L₀ 0 cm **Col. modello**

☐ Precompresso



Per quanto riguarda il taglio si assume una sezione teorica 100x15h da cui si ottiene:

$$V_{Rd} = [0,18 k(100\rho_1 f_{ck})^{1/3}/\gamma_c] b_w d > V_{Rd \min} \quad 0,035 k^{3/2} f_{ck}^{1/2} = 57 \text{ kN}$$

dove: $\gamma_c = 1,5 \quad k = 2 \quad b_w = 1000 \text{ mm} \quad d = 110 \text{ mm}$

$$\rho_1 = A_{sl}/(b_w d) = 235,5/(200 \times 190) = 0,0137 < 0,02$$

e quindi $V_{Rsd} = 89 \text{ kN} > V_{Ed}$

SLE

Il carico distribuito sullo sbalzo per le varie combinazioni è dato dalle relazioni:

comb. rara $F_{d,SLV} = b(G1 + G2 + Qk2) = 8,75 \text{ kN/m}$
comb. frequente $F_{d,SLV} = b(G1 + G2 + 0,7 Qk2) = 7,55 \text{ kN/m}$
comb. quasi permanente $F_{d,SLV} = b(G1 + G2 + 0,6 Qk2) = 7,15 \text{ kN/m}$

Deformazione $w_e = 1/8 F_{d,SLV} L^4 / (EJ)$

dove: $L = 150 \text{ cm}$
 $b = 100 \text{ cm}$
 $J \approx 28125 \text{ cm}^4$
 $E = 3364278 \text{ N/cm}^2$

Il momento flettente è pari a:

- comb. rara $M_{Ed} = F_{d,SLV} L^2 / 2 = 9,84 \text{ kNm}$
- comb. frequente $M_{Ed} = F_{d,SLV} L^2 / 2 = 8,49 \text{ kNm}$
- comb. quasi permanente $M_{Ed} = F_{d,SLV} L^2 / 2 = 8,04 \text{ kNm}$

Da cui si ricava:

	σ_c [N/mm ²]	σ_s [N/mm ²]	w_e [cm]
<i>comb. rara</i>	5,33	148	0,059
<i>comb. frequente</i>	4,60	128	0,051
<i>comb. quasi permanente</i>	4,36	121	0,049

che risultano tutti valori ammissibili.

SCALA INTERNA

Per la scala (a rampa) si ha lo schema statico riportato in figura. Dove si ha:

$A = 0$ $C = 125 \text{ cm}$ $B = 270 \text{ cm}$
 $H \approx 180 \text{ cm}$ $E \approx 325 \text{ cm}$ $L = 450 \text{ cm}$
 $G1 = 7,00 \text{ kN/m}$ $G2 = 0,50 \text{ kN/m}$, $Qk1 = 5,00 \text{ kN/m}$

da cui il carico distribuito

$$F_d = 1,3 G1 + 1,3 G2 + 1,5 Qk1 = 17,35 \text{ kN/m}$$

Dati sezione:

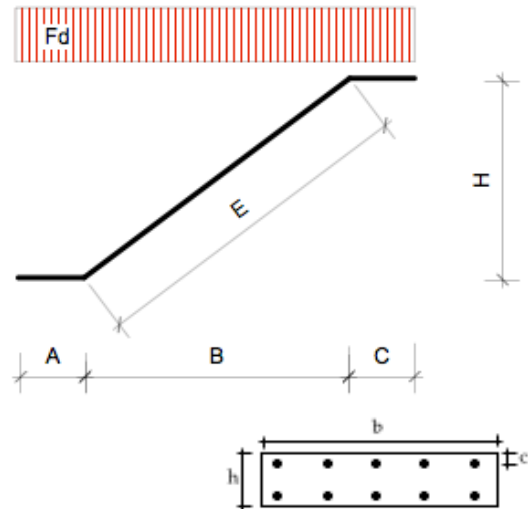
$h = 15 \text{ cm}$ $b = 125 \text{ cm}$ $c = 4 \text{ cm}$

A_{sw} = area armatura tesa = $13\phi 12$

A'_{sw} = area armatura compressa = $13\phi 12$

$$M_{Ed} = b F_d L^2/8 = 55 \text{ kNm}$$

$$V_{Ed} = b F_d L/2 = 49 \text{ kN}$$



Titolo : Scala

N° strati barre 2 **Zoom**

N°	b [cm]	h [cm]
1	125	15

N°	As [cm²]	d [cm]
1	14,70	4
2	14,70	11

Sollecitazioni
S.L.U. **Metodo n**

N_{Ed} 0 0 kN
 M_{xEd} 55 0 kNm
 M_{yEd} 0 0

P.to applicazione N
☒ Centro ☐ Baricentro cls
☐ Coord.[cm] xN 0 yN 0

Tipo rottura
 Lato calcestruzzo - Acciaio snervato

Materiali

B450C	C32/40
ϵ_{su} 67,5 ‰	ϵ_{c2} 2 ‰
f_{yd} 391,3 N/mm²	ϵ_{cu} 3,5 ‰
E_s 200.000 N/mm²	f_{cd} 18,13
E_s/E_c 15	f_{cc}/f_{cd} 0,8 ?
ϵ_{syd} 1,957 ‰	$\sigma_{c,adm}$ 12,25
$\sigma_{s,adm}$ 255 N/mm²	τ_{co} 0,7333
	τ_{c1} 2,114

M xRd 56,9 kNm

σ_c -18,13 N/mm²
 σ_s 391,3 N/mm²
 ϵ_c 3,5 ‰
 ϵ_s 7,024 ‰
 d 11 cm
 x 3,658 x/d 0,3326
 δ 0,8557

Tipo Sezione
☒ Rettan.re ☐ Trapezi
☐ a T ☐ Circolare
☐ Rettangoli ☐ Coord.

Metodo di calcolo
☒ S.L.U.+ ☐ S.L.U.-
☒ Metodo n

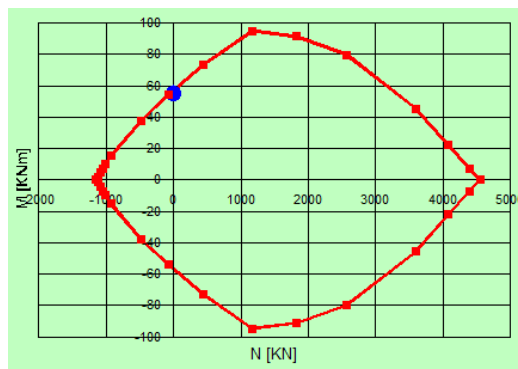
Tipo flessione
☒ Retta ☐ Deviata

N° rett. 100

Calcola MRd **Dominio M-N**

L₀ 0 cm **Col. modello**

☐ Precompresso



VERIFICA A TAGLIO

Verifica relativa a:

scala

Sezione:

base	b =	1250 mm	
altezza	h =	150 mm	d = 110 mm
copriferro	c =	40 mm	d* = 99 mm
Arm. long.	A _{sl} =	2938 mmq	ρ _l = 0,0214
Arm. trasv.	A _{sw} =	100 mmq	
passo staffe	s =	300 mm	
inclinaz. st.	α =	90	

Materiali:

Acciaio	B450C	f _{yk} = 450 MPa	f _{yd} = 391,30 MPa
		γ _s = 1,15	
Calcestruzzo	C32/40	f _{ck} = 32 MPa	f _{cd} = 18,13 MPa
		γ _c = 1,5	

Sollecitazioni:

Sforzo normale agente:	N _{Ed} = 0,0 kN	σ _{cp} = 0,00 Mpa
Sforzo di taglio agente:	V _{Ed} = 49,0 kN	

I) Verifica senza specifica armatura a taglio

Parametri:

k =	2,000	
V _{min} =	0,560	V _{Rdmin} = 77,0 kN

V_{Rsd} = 134,94 kN	>	V_{Ed}	verificato
------------------------------------	-------------	-----------------------	-------------------

N.B.: Non è necessaria armatura specifica a taglio

SLE

Il carico distribuito sullo scalino per le varie combinazioni è dato dalle relazioni:

comb. rara	F _{d,SLV} = b(G1 + G2 + Qk1) = 15,6 kN/m
comb. frequente	F _{d,SLV} = b(G1 + G2 + 0,7 Qk1) = 13,8 kN/m
comb. quasi permanente	F _{d,SLV} = b(G1 + G2 + 0,6 Qk1) = 13,1 kN/m

Deformazione

$$w_e = 5/384 F_{d,SLV} L^4 / (EJ)$$

dove:

L = 450 cm
b = 125 cm
J ≈ 28125 cm⁴
E = 3364278 N/cm²

Il momento flettente è pari a:

- comb. rara	M _{Ed} = F _{d,SLV} L ² /8 = 39,5 kNm
- comb. frequente	M _{Ed} = F _{d,SLV} L ² /8 = 34,9 kNm
- comb. quasi permanente	M _{Ed} = F _{d,SLV} L ² /8 = 33,2 kNm

Da cui si ricava:

	σ _c [N/mm ²]	σ _s [N/mm ²]	w _e [cm]
comb. rara	13,67	290	0,88
comb. frequente	12,08	256	0,78
comb. quasi permanente	11,49	244	0,74

che risultano tutti valori ammissibili.

VERIFICA PARAPETTO SCALA

Montante

Nello specifico abbiamo: $F_h = \gamma_G 3,0 \text{ i kN/m} = 4,5 \text{ kN}$

con: $i = \text{interasse montanti} = 90 \text{ cm}$
 $\gamma_G = 1,5$

da cui, alla base del montante si ricavano le seguenti sollecitazioni:

$$M_{Ed,max} \approx 4,05 \text{ kNm} \quad V_{Ed,max} = 4,05 \text{ kN}$$

Dalla normativa si ha: $M_{Rd} = W_{pl} f_{yk} / \gamma_{M0}$ $V_{c,Rd} = A_v f_{yk} / \sqrt{3} \gamma_{M0}$

essendo: sez. profilo 2 piatti 15x60 S355
 $f_{yk} = 355 \text{ N/mm}^2$
 $\gamma_{M0} = 1,05$
 $J_{el} = 54 \text{ cm}^4$
 $W_{pl} = 18 \text{ cm}^3$
 $A_v = 18 \text{ cm}^2$

da cui $M_{Rd} = 6,09 \text{ kNm}$ $V_{Rd} = 351 \text{ kN}$

Con questi valori si ottiene: $M_{Ed} / M_{Rd} = 0,67 < 1$ verificato

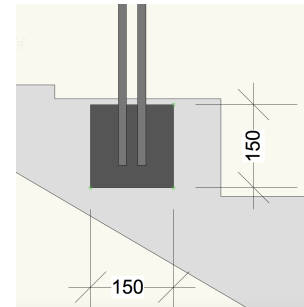
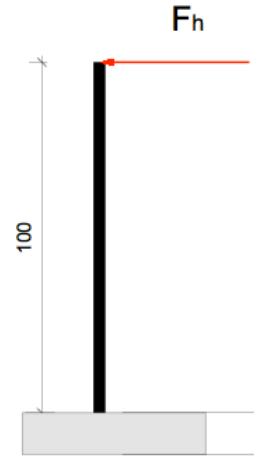
$V_{Ed} / V_{Rd} \approx 0,01 < 1$ verificato

Deformazione: $f_{el} = F_{h,SLE} h^3 / (3E J) = 0,80 \text{ cm}$ che risulta accettabile per la struttura considerata.

L'ancoraggio alla base viene realizzato con una saldatura a piena penetrazione ad una piastra di acciaio fissata alla struttura in c.a. della scala. Quest'ultima, di dimensioni 150x150 mm e spessore 8 mm, è ancorata mediante 4 tirafondi $\varnothing 10$ annegati nella soletta.

Le parti saldate sono due di sezione almeno 15x80 mm che determinano un modulo di inerzia $W_{el} = 16 \text{ cm}^3$ e nel complesso hanno un momento resistente pari a $M_R = 10,8 \text{ kNm}$ ampiamente sufficiente a sopportare quello di esercizio.

Riguardo alla piastra, ancorata con i 4 $\varnothing 10$, sviluppa un momento resistente pari a $M_R = 8,2 \text{ kNm}$, anch'esso sufficiente a sopportare quello di esercizio.



Traverso

Le sollecitazioni massime sono (trave incernierata agli estremi):

$$M_{Ed,max} \approx 0,46 \text{ kNm} \quad V_{Ed,max} = 2,03 \text{ kN}$$

essendo: sez. profilo tubolare 3x25x60 S355
 $f_{yk} = 355 \text{ N/mm}^2$
 $\gamma_{M0} = 1,05$
 $W_{pl} = 8,65 \text{ cm}^3$
 $A_v = 3,34 \text{ cm}^2$

da cui $M_{Rd} = 2,9 \text{ kNm}$ $V_{Rd} = 65 \text{ kN}$

Con questi valori si ottiene: $M_{Ed} / M_{Rd} = 0,16 < 1$ verificato

$V_{Ed} / V_{Rd} \approx 0,03 < 1$ verificato

VERIFICA PARAPETTO BALLATOIO

Montante

Nello specifico abbiamo: $F_h = \gamma_G 3,0 \text{ i kN/m} = 4,5 \text{ kN}$

con: $i = \text{interasse montanti} = 100 \text{ cm}$
 $\gamma_G = 1,5$

da cui, alla base del montante si ricavano le seguenti sollecitazioni:

$$M_{Ed,max} \approx 4,5 \text{ kNm} \quad V_{Ed,max} = 4,5 \text{ kN}$$

Dalla normativa si ha: $M_{Rd} = W_{pl} f_{yk} / \gamma_{M0}$ $V_{c,Rd} = A_v f_{yk} / \sqrt{3} \gamma_{M0}$

essendo: sez. profilo tubolare 4x70x70 S355
 $f_{yk} = 355 \text{ N/mm}^2$
 $\gamma_{M0} = 1,05$
 $J_{el} = 76,95 \text{ cm}^4$
 $W_{pl} = 26,17 \text{ cm}^3$
 $A_v = 5,28 \text{ cm}^2$

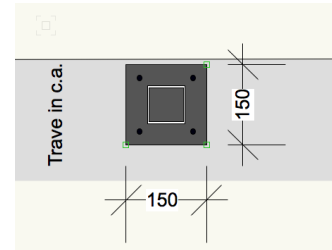
da cui $M_{Rd} = 8,85 \text{ kNm}$ $V_{Rd} = 103 \text{ kN}$

Con questi valori si ottiene: $M_{Ed} / M_{Rd} = 0,51 < 1$ verificato

$V_{Ed} / V_{Rd} \approx 0,04 < 1$ verificato

Deformazione: $f_{el} = F_{h,SLE} h^3 / (3E J) = 0,62 \text{ cm}$ che risulta accettabile per la struttura considerata.

Ancoraggio alla base viene realizzato con una saldatura a piena penetrazione ad una piastra di acciaio fissata alla struttura in c.a. Del solaio. Quest'ultima, di dimensioni 170x170 mm e spessore 8 mm, è ancorata mediante 4 tirafondi $\varnothing 10$ annegati nella soletta.



Le parti saldate l'intera sezione del tubolare il quale sviluppa un modulo di inerzia $W_{el} = 26,17 \text{ cm}^3$ e un momento resistente pari a $M_R = 8,85 \text{ kNm}$ ampiamente sufficiente a sopportare quello di esercizio.

Riguardo alla piastra, ancorata con i 4 $\varnothing 12$, sviluppa un momento resistente pari a $M_R = 8,3 \text{ kNm}$, anch'esso sufficiente a sopportare quello di esercizio.

Traverso

Le sollecitazioni massime sono (trave incernierata agli estremi):

$M_{Ed,max} \approx 0,38 \text{ kNm}$ $V_{Ed,max} = 1,5 \text{ kN}$

essendo: sez. profilo tubolare 3,6x40x140 S355
 $f_{yk} = 355 \text{ N/mm}^2$
 $\gamma_{M0} = 1,05$
 $W_{pl} = 51,39 \text{ cm}^3$
 $A_v = 9,67 \text{ cm}^2$

da cui $M_{Rd} = 17,4 \text{ kNm}$ $V_{Rd} = 189 \text{ kN}$

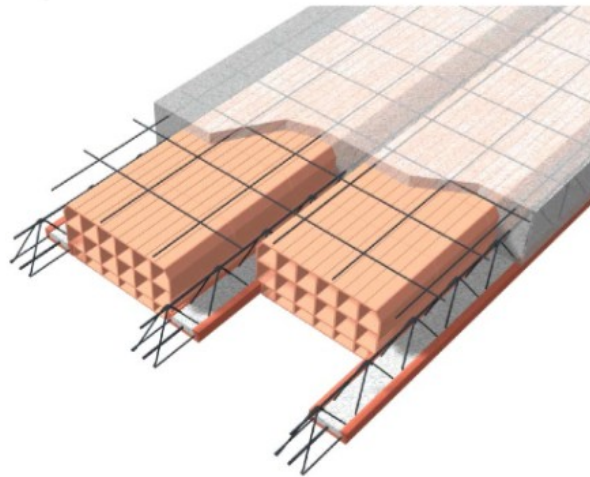
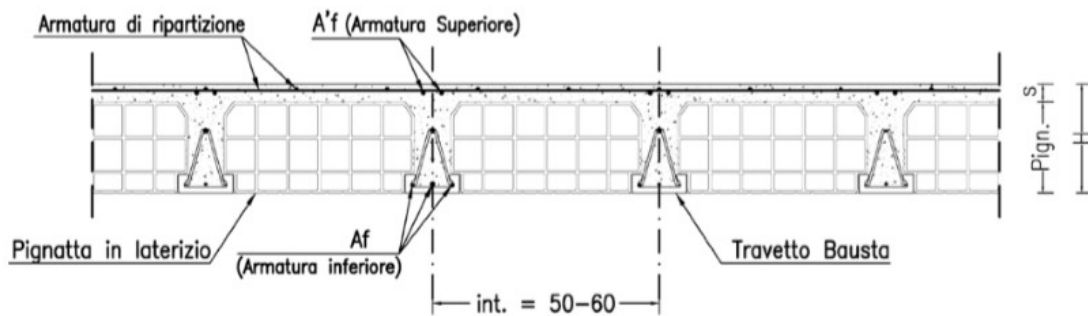
Con questi valori si ottiene: $M_{Ed} / M_{Rd} = 0,02 < 1$ verificato

$V_{Ed} / V_{Rd} \approx 0,01 < 1$ verificato

SOLAI

I **solai** sono in laterizio armato tipo “bausta” ed hanno uno spessore totale di 24 cm, comprensivo di soletta in c.a. di 4 cm. Interasse travetti $i = 50$ cm, larghezza travetti $b = 10$ cm. Rete elettrosaldata $\phi 5 \times 200 \times 200$ acciaio B450A.

Sezione trasversale solaio



CALCOLO SOLAIO BAUSTA – DM 14/01/2008

SOLAIO DI PIANO MEZZANINO, SOVRACCARICO CAT. C3

Luce di calcolo L	5,76 m
Tratto rigido a	0,00 m
Luce netta Ln	5,76 m
Peso proprio G1	3,10 kN/m ²
gamma_G1	1,30
Car. perm. Portati G2	1,40 kN/m ²
gamma_G2	1,50
Car. esercizio Q	5,00 kN/m ²
gamma_Q	1,50
Cmezz	12
Capp	12

TRAVETTO

interasse travetti i	0,50 m
altezza totale h	240 mm
base bo (travetto)	100 mm
base B (mezzeria)	600 mm
spessore soletta s	40 mm
copriferro c	35 mm
diametro barre	16 mm
As mezzeria	308 mm ²
As appoggio	308 mm ²
altezza utile d	205 mm

MATERIALI

Rck	35 MPa
fck	29,05 Mpa
gamma_c	1,5
fcm	37,05 Mpa
fcd	16,46 Mpa
fctm	2,83 Mpa
fctm,fl	3,40 MPa
Ecm	32588 Mpa
fyk	450 Mpa
Es	200000 Mpa
gamma_s	1,15
fyd	391,30 Mpa
n	15

VERIFICHE SLU

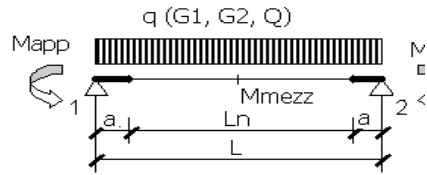
Fd	6,82 kN/m
Msd-mezzeria	18,84 kNm
Msd-appoggio	18,84 kN/m
Msd-filo trave	18,84 kN/m
Vsd-estremo travetto	19,63 kN

SEZIONE DI MEZZERIA

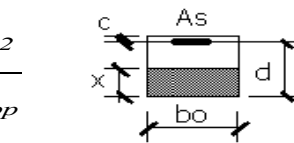
y	15,25 mm
Mrd	23,97 kNm
Mrd/Msd	1,27 verificato

SEZIONE DI APPOGGIO

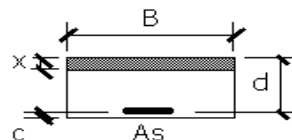
y	91,52 mm
Mrd-appoggio	20,30 kNm
Mrd/Msd	1,08 verificato
Vrd	19,71 kN
Vrd,min	10,84 kN
Vrd>Vrd,min	si
Vrd/Vsd	1,00 verificato



$$M_{app} = \frac{qL^2}{C_{app}}$$



$$M_{mezz} = \frac{qL^2}{C_m}$$



As eff = 394

2ø5+1ø14+1ø16

As eff = 462

3ø14

As eff/As cal = 1,28

ok $i < 15s$
 ok $H > L/25$
 ok $bo > 8cm$

$\rho = 1550$ kg/mc
 $\eta = 0,823$
 $\eta_E = 0,496$

combinazione fondamentale

asse neutro cade nella soletta

VERIFICHE SLE

psi_1	0,50	relativi alla categoria
psi_2	0,30	relativi alla categoria
Fd_r	4,75 kN/m	<i>combinazione rara</i>
Fd_fr	3,50 kN/m	<i>combinazione frequente</i>
Fd_qp	3,00 kN/m	<i>combinazione quasi permanente</i>

VERIFICA DELLE TENSIONI DI ESERCIZIO

tensioni limite	sigma_c	sigma_s
	Mpa	MPa
comb. Rara	17,43	360
comb. Quasi perm.	13,07	360

SEZIONE DI MEZZERIA	M	x	sigma_c	sigma_s	
	kNm	mm	Mpa	Mpa	
comb. Rara	13,13	49,01	4,73	226,01	<i>verificato</i>
comb. Quasi perm.	8,29	49,01	2,99	142,74	<i>verificato</i>

SEZIONE DI APPOGGIO	M	x	sigma_c	sigma_s	
	kNm	mm	Mpa	Mpa	
comb. Rara	13,13	98,98	15,43	247,89	<i>verificato</i>
comb. Quasi perm.	8,29	98,98	9,74	156,56	<i>verificato</i>

VERIFICA DI FESSURAZIONE

SEZIONE DI MEZZERIA	
condizioni ambientali	<i>ordinarie</i>
tipo di armatura	<i>poco sensibile</i>
aperture limite	
comb. Frequente w3	0,4
comb. Quasi perm w2	0,3

	M	Mpr_fess	sigma_s	e_sm-e_cm	wk	
	kNm	kNm	MPa			
comb. Frequente	9,68	3,27	170	0,00070	0,1226	<i>verificato</i>
comb. Quasi perm.	8,29	3,27	146	0,00058	0,1012	<i>verificato</i>

VERIFICA DI DEFORMABILITA'

rapporto di snellezza	24,00		k tipo
k	1,3		1 semplice appoggio
ro	0,0164	rapp. armatura tesa riferita all'area A	1,3 campate terminali
As	394 mm ²	area acciaio teso effettivamente pre:	1,5 campate intermedie
valore limite	25,23 <i>verificato</i>		1,2 piastre su pilastri
			0,4 mensole

$$\lambda = L/h \qquad \lambda_{lim} = k \left(11 + \frac{0.0015 f_{ck}}{\rho} \right) \frac{500}{f_{yk}}$$

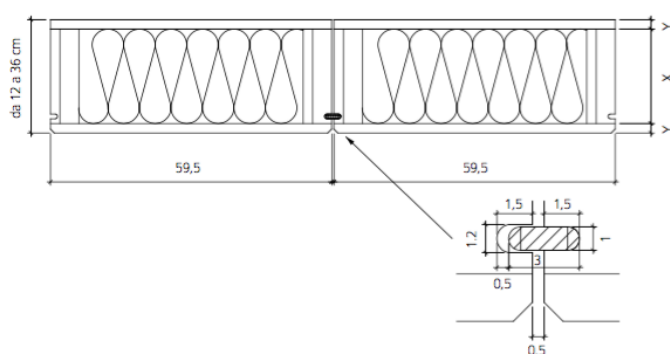
SOLAI DI COPERTURA

La copertura è realizzata in legno lamellare con travi principali di sezione 220x808h con andamento curvilineo e pannelli di collegamento tipo Timber della Holz Albertani (presi a campione al fine di poter dimensionare le strutture principali. Di seguito sono riportate le caratteristiche geometriche e fisiche di tale pannello, fatto salvo che, nel caso in fase di appalto venisse cambiata tipologia, la presente relazione sarebbe aggiornata.

Nella tabella sottostante il pannello previsto è contornato in rosso.

Tipo (mm)	Peso kN/m	Luci ammissibili (m) per campata unica appoggio												
		Carico allo stato limite d'esercizio (kN/m²)												
		1,00	1,20	1,40	1,60	1,80	2,00	2,20	2,40	2,60	2,80	3,00	3,20	3,40
120	0,143	6,4	6,0	5,7	5,5	5,3	5,1	4,9	4,8	4,6	4,5	4,4	4,3	4,2
160	0,171	7,9	7,4	7,0	6,7	6,5	6,2	6,0	5,9	5,7	5,6	5,4	5,3	5,2
200	0,199	9,3	8,8	8,3	7,9	7,6	7,4	7,1	6,9	6,8	6,6	6,4	6,3	6,2
240	0,227	10,7	10,1	9,6	9,2	8,8	8,5	8,2	8,0	7,8	7,6	7,4	7,3	7,1
280	0,255	12,1	11,4	10,8	10,3	9,9	9,6	9,3	9,0	8,8	8,6	8,4	8,2	8,0
320	0,283	13,5	12,7	12,0	11,5	11,1	10,7	10,4	10,1	9,8	9,5	9,3	9,1	8,9

Spessore ali 12 mm
Larghezza fianchi 52 mm
Tipo di legno GL28h
Classe di servizio $\gamma_{mod} = 0,9$



VERIFICA TRAVE IN LEGNO

Cantiere: *Comune di Quarrata – Palestra Santonuovo*

Elemento: *Trave LL*

N.: *1*

Determinazione del k_{mod}

Materiale ⁽¹⁾	Classe di servizio	Classe di durata				
		Permanente	Lunga	Media	Breve	Istantanea
LL	1	0,6	0,7	0,8	0,9	1

(1) Legno Lamellare = LL
Legno Massiccio = LM

Determinazione del k_{def}

Materiale	Classe di servizio		
	1	2	3
LL	0,6	0,8	2

LM (legno massiccio) 1,25
LL (legno lamellare) 1,15
altro 1,15

Specie legnosa	GL28h					
Caratteristiche	f _{m,k}	f _{t,0,k}	f _{t,90,k}	f _{c,0,k}	f _{c,90,k}	f _{v,k}
(N/mm2)	28	19,5	0,45	26,5	3	3,2
	SLU		SLU p		FUOCO	
Classe di servizio	1					
γ _m	1,45		1,45		K _{fi}	
Cl. durata carico	B		P		1,15	
Proprietà		N/mm ²		N/mm ²		N/mm ²
Flessione	f _{m,d}	17,38	f _{m,d}	11,59	f _{m,d}	32,2
Traz. parallela	f _{t,0,d}	12,1	f _{t,0,d}	8,07	f _{t,0,d}	22,43
Traz. perpend.	f _{t,90,d}	0,28	f _{t,90,d}	0,19	f _{t,90,d}	0,52
Compr. parallela	f _{c,0,d}	16,45	f _{c,0,d}	10,97	f _{c,0,d}	30,48
Compr. perpend.	f _{c,90,d}	1,86	f _{c,90,d}	1,24	f _{c,90,d}	3,45
Taglio	f _{v,d}	1,99	f _{v,d}	1,32	f _{v,d}	3,68

Resistenza di calcolo

$$X_d = k_{mod} X_k / \gamma_M$$

Resistenza al fuoco

$$X_d = k_{fi} X_k / 1$$

Durata del carico:

P = Permanente

L = Lunga

M = Media

B = Breve

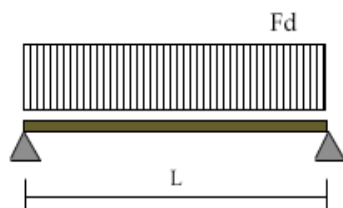
Resistenze di progetto

Stato Limite	$f_{m,d}$ N/mm ²	$f_{v,d}$ N/mm ²	$f_{c,90,d}$ N/mm ²
SLV (perm.)	11,59	1,32	1,24
SLV	17,38	1,99	1,86
SLV (sismica)	19,31	2,21	2,07
SLV (eccezionale incendio)	32,2	3,68	3,45

Valori di K_{mod} assunti:

$K_{mod} = 0,90$ Breve
 $K_{mod} = 0,60$ Permanente

SCHEMA STATICO



$$Q_d = \gamma_{G1} G_1 + \gamma_{G2} G_2 + \gamma_{Q1} Q_k$$

con: $G_1 = 0,40$ kN/mq

$G_2 = 0,45$ kN/mq

$Q_k = 0,80$ kN/mq

Comb.	Stato Limite	G1	G2	Qk1	Qd (kN/mq)
1	SLV (perm.)	1,3	1,5	0	1,2
2	SLV	1,3	1,5	1,5	2,4
3	SLE (rara)	1	1	1	1,65
4	SLE (freq.)	1	1	0,2	1,01
5	SLE (q.perm.)	1	1	0	0,85
6	SLV (sismica)	1	1	0	0,85
7	SLV (eccezionale incendio)	1	1	0	0,85

Dati

Interasse		590	cm		
luce di calcolo		1355	cm		
sezione	H	808	mm		
	B	220	mm		
	Kcr	0,67		(fattore di influenza fessurazioni)	
	Dapp	250	mm	(profondità appoggio)	Deff = 400 mm (appoggio effettivo)
	W	2,39E+007	mm ³		
	J	9,67E+009	mm ⁴		
	A	177760	mm ²		
	E _{0,mean}	12600	N/mm ²		
	Gmean	780	N/mm ²		
	E _{0,05}	9400	N/mm ²		
	w	410	daN/m ³		
Schema statico	M = Fd L ² / 8	8			
	V = Fd L/ 2	2			
velocità di carbonatazione	β	0,7	mm/min		
tempo	t	60			
costante	do	7	mm		
prof. Carbonatazione	deff	49	mm		
base ridotta	Brid	122	mm		
altezza ridotta	Hrid	759	mm		
	Wrid	1,17E+007	mm ³		
	Jrid	4,45E+009	mm ⁴		

$K_{cr} = \begin{cases} 0,67 & \text{LM (legno massiccio)} \\ 0,67 & \text{LL (legno lamellare)} \\ 1 & \text{altro} \end{cases}$
 $\beta = \begin{cases} 0,8 & \text{LM (legno massiccio)} \\ 0,7 & \text{LL (legno lamellare)} \end{cases}$
peso proprio trave = 0,73 kN/m

Verifiche di resistenza (§ 4.4.8.1 NTC 2018)

		Qd	Fd	Med	VEd	σ _{m,s,d}	τ _{v,s,d}	σ _{c,90,d}
tensioni massime sollecitanti		kN/m ²	kN/m	kNm	kN	N/mm ²	N/mm ²	N/mm ²
1	SLV perm.	1,20	7,78	178,538	52,705	7,458 ok	0,664 ok	0,599 ok
2	SLV	2,40	14,86	341,026	100,672	14,246 ok	1,268 ok	1,144 ok
3	SLE rara	1,65	10,46	240,148	70,892	10,032 ok	0,893 ok	0,806 ok
4	SLE freq.	1,01	6,69	153,487	45,310	6,412 ok	0,571 ok	0,515 ok
5	SLE q.perm.	0,85	5,74	131,822	38,914	5,507 ok	0,490 ok	0,442 ok
6	SLV sismica	0,85	5,74	131,822	38,914	5,507 ok	0,490 ok	0,442 ok
7	SLV eccezionale incendio	0,85	5,74	131,822	38,914	11,254 ok	0,941 ok	0,797 ok
				massimi		14,246	1,268	1,144

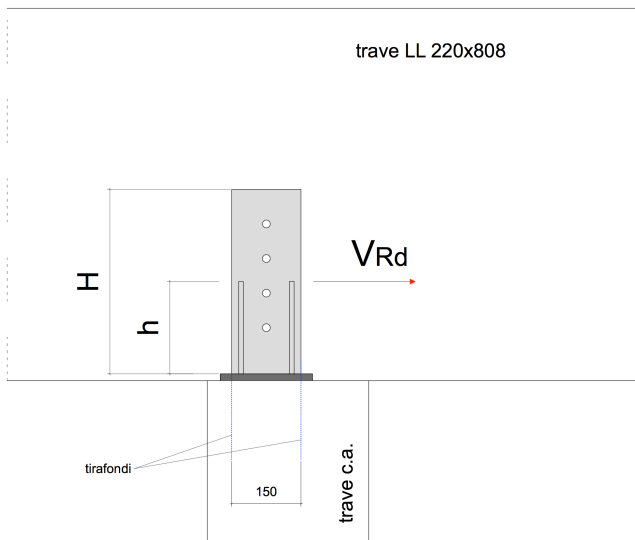
Verifiche di deformazione (§ 4.4.7 NTC 2018)

		Qd	Fd	Uist	Kdef	ψ ₂	Ufin	Utot,fin	UQk,fin
	Combinazione Rara.	kN/m ²	kN/m	mm	kN		mm	mm	mm
	G1	0,40	3,09	11,893	0,600	1,000	19,0		
	G2	0,45	2,66	10,223	0,600	1,000	16,4		
	Qk1	0,80	4,72	18,174	0,600	0,000	18,2	53,6	18,2
	Uist,Qk		18,17	< L/300 =	45,2	mm	ok		
	Utot,fin		53,56	< L/250 =	54,2	mm	ok		
	UQk,fin		18,17	< L/200 =	67,8	mm	ok		

Verifiche di stabilità flessionale (§ 4.4.8.2.1 NTC 2018)

σ _{m,crit} =	37,606 N/mm ²	La tensione massima di calcolo è:
λ _{rel,m} =	0,863	σ _{m,d} = 14,246 N/mm ²
Kcr =	0,913	
da cui:	$\frac{\sigma_{m,d}}{K_{cr} f_{m,d}}$	= 0,898 < 1 ok

DIMENSIONAMENTO PIASTRE DI ANCORAGGIO TRAVI COPERTURA



$H = 400 \text{ mm}$ $h = 200 \text{ mm}$ $d = 150 \text{ mm}$

$V_{Rd} = 58 \text{ kN}$

Acciaio: S275

Saldature: a completa penetrazione

Viti classe 5.6

Dadi classe 5

$f_{yb} = 300 \text{ N/mm}^2$

$f_{tb} = 500 \text{ N/mm}^2$

Tirafondi: barre M16

La portata massima di ciascun perno è data dalla seguenti relazioni che tengono di conto dello spessore della piastra

rispetto al diametro ϕ del perno considerando che per valori intermedi di t si fa l'interpolazione [Progettazione strutture in legno; Boscolo; Legislazione Tecnica]:

$$F_{V,Rk} = \min[0,5 f_{h2k} t_2 \phi; 1,15 \sqrt{(2M_{Rk}) + F_{ax,Rk}/4}] \quad \text{se } t < 0,5 \phi$$

$$F_{V,Rk} = \min[0,5 f_{h2k} t_2 \phi; 1,15 \sqrt{(2M_{Rk} f_{h2k} t_2 \phi) + F_{ax,Rk}/4}] \quad \text{se } t > \phi$$

Nel caso in specie si ha:

$$t = 12 \text{ mm} \quad \rho = 410 \text{ daN/mc} \quad \phi = 16 \text{ mm} \quad t_2 = 220 \text{ mm}$$

$$f_{h2k} = 0,082(1 - 0,04 \phi) \rho = 12,1 \text{ N/mm}^2$$

$$M_{Rk} = W_{pl} f_{yk} = 11058 \text{ Ncm}$$

$$W_{pl} = 1,7 \pi \phi^2/32 = 0,68 \text{ cm}^3$$

da cui si ricava il valore minimo di

$$F_{V,Rk} = 14,72 \text{ kN}$$

determinato interpolando tra il valore di 9,8 kN per $t = 8 \text{ mm}$ e 19,62 kN per $t = 16 \text{ mm}$.

Avendo pertanto n. 4 perni si ha

$$V_{Rd}/4F_{V,Rk} = 0,985 < 1 \quad \text{verificato}$$

Il momento alla base dell'ancoraggio è dato da $M_{Ed} = V_{Rd} h = 11,6 \text{ kNm}$

e su ogni coppia di tirafondi si ha una sollecitazione massima di trazione pari a

$$S_{T,Ed} = M_{Ed}/d = 78 \text{ kN}$$

Si adottano 4 tirafondi M16 classe 5.6 per cui su uno si ha

$$S_{Ed} = S_{T,Ed}/2 = 39 \text{ kN}$$

La sollecitazione resistente è data da

$$S_{Rd} = 0,9 A_{res} f_{tb}/\gamma_{M2} = 56,5 \text{ kN}$$

$$\text{con: } A_{res} = 157 \text{ mm}^2$$

$$f_{tb} = 500 \text{ N/mm}^2$$

$$\gamma_{M2} = 1,25$$

da cui.

$$S_{Ed}/S_{Rd} = 0,69 < 1$$

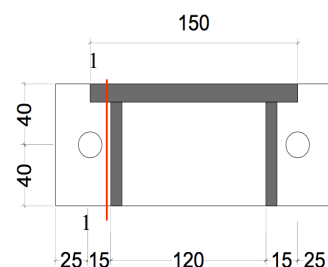
verificato

Essendo una sollecitazione composta trazione-taglio deve essere verificata anche la seguente disequaglianza:

$$S_{Ed}/(1,4S_{Rd}) + V_{Ed}/V_{Rd} = 0,88 < 1 \quad \text{verificato}$$

La piastra di base (1,5x80x200) nella sezione 1-1 è soggetta ad un momento flettente pari a

$$M_{Ed} = 1,5 S_{Ed} = 59000 \text{ Ncm}$$



con $M_{Rd} = W_{el} f_{yk} / \gamma_{M0} = 147000 \text{ Ncm}$

da cui $M_{Ed}/M_{Rd} = 0,4 < 1$ verificato

Una delle due piastre verrà realizzata con asole anziché fori al fine di permettere il movimento orizzontale della trave. Lo spostamento max (nodo 79) che si ricava dal modello per lo stato SLV ($w_{SLVx} + 0,3 w_{SLVy} + w_{torc.SLV}$) è pari a: **$d_{Ee} = 2,89 \text{ cm}$**

Lo spostamento parziale dovuto ai soli carichi statici è dato da:

$$d_{Se} = w_{G1} + w_{G2} + \psi_{21} w_{Qk1} + \psi_{22} w_{Q2} = \mathbf{0,17 \text{ cm}} \quad \text{con:} \quad \begin{aligned} \psi_{21} &= 0,6 \\ y_{22} &= 0 \end{aligned}$$

Lo spostamento totale atteso è pari a:

$$d_E = d_{Se} + \mu_d d_{Ee} = \mathbf{3,07 \text{ cm}} \quad \text{essendo: } \mu_d = 1$$

La larghezza dell'asola viene assunta pari a 80 mm.

La piastra verticale è soggetta alle seguenti sollecitazioni

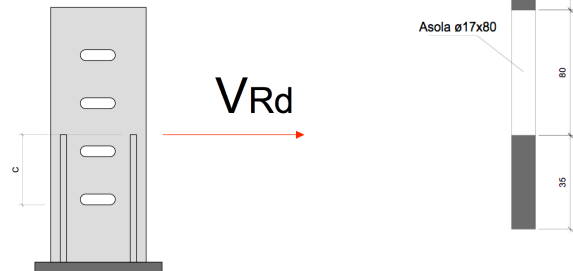
$$M_{Ed} = 0,1 \quad V_{Ed} = 2,9 \text{ kNm}$$

dove $M_{Rd} = W_{el} f_{yk} / \gamma_{M0} = 10 \text{ kNm}$

con:

$$\begin{aligned} V_{Ed} &= 29 \text{ kN} \\ c &= 10 \text{ cm} \\ W_{el} &= 38,17 \text{ cm}^3 \\ J &= 286,3 \text{ cm}^4 \end{aligned}$$

da cui $M_{Ed}/M_{Rd} = 0,53 < 1$ verificato



PSN va 1**DATI GENERALI TRAVI E PILASTRI**

All-In-One EWS 47 (29.11.2018) build 7317

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Verifica Pilastri e Travi in c.a.**Parametri di progetto****Normativa**

Normativa di riferimento DM 2018 - Comportamento non dissipativo

Unità di misura

Lunghezza	cm
Forza	N
Pressione	N/cm2

Metodo di progetto

Metodo Stati limite

Fattori sicurezza parziale

Calcestruzzo	1.50
Acciaio	1.15

Legami costitutivi

Asse parabola calcestruzzo (x1000)	2.00
Fattore di riduzione addizionale	0.85
Deformazione ultima calcestruzzo (x1000)	3.50
Deformazione ultima acciaio (x1000)	10.00
Incremento resistenza acciaio	0.00

Opzioni di progetto

Considerata l'eccentricità accidentale sui pilastri	NO
Considerata la traslazione del diagramma dei momenti	NO

Armatura longitudinale

Lunghezza massima barre	cm	1200.00
Massima distanza barre	cm	1000.00
Diametri minimi di ancoraggio		20.00

Progetto antisismico

Gerarchia delle resistenze	NO
Fattore di sicurezza per la gerarchia delle resistenze	1.30
Progetto per taglio dovuto ad azione sismica	NO
Progetto per duttilità dei pilastri-parete	NO

Minimi e massimi per le travi

Armatura minima tesa	0.0013, T0.26000
Armatura massima tesa	0.040
Armatura minima totale	0.000
Armatura massima totale	
Moltiplicatore di continuità dell'armatura in zona critica	0.00
Rapporto di bilanciamento di armatura	0.00
Lunghezza zona critica	L

Minimi e massimi per i pilastri

Armatura minima totale	0.003, N0.10000F
Armatura massima totale	0.040

Minimi e massimi per travi di fondazione

Armatura minima totale	0.002
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Modalità staffatura

Staffe filo pilastro	SI
Passo massimo nelle travi	33.000, h0.8, P666.666
Passo massimo nei pilastri	25.000, D12

Infittimento staffe agli estremi

Passo zona critica travi	D12
Lunghezza zona critica travi	H
Passo zona critica pilastri	0.000
Lunghezza zona critica pilastri	0.000

Abbreviazioni usate nelle regole di assegnazione

n	valore numerico
Hn	n volte altezza della sezione asse locale y
Ln	n moltiplica la lunghezza della trave

Dn	n volte il diametro minimo armatura
Sn	n volte il diametro della staffa
Pn	Ast/bst: rapporto tra area staffa e corda
Mn (maiuscolo)	dimensione massima della sezione
mn (minuscolo)	dimensione minima della sezione
Nn	moltiplicatore forza assiale di compressione
Fn	inverso della resistenza dell'acciaio

Caratteristiche dei materiali

Calcestruzzo

Denominazione materiale		
Resistenza cubica	N/cm2	2941.99
Resistenza a compressione	N/cm2	1383.72
Resistenza a trazione frattile 5%	N/cm2	117.07
Tensione di aderenza	N/cm2	263.41

Acciaio

Denominazione materiale		
Resistenza caratteristica acciaio	N/cm2	43149.30
Resistenza di calcolo	N/cm2	37521.13

Tipi di carico

Nome	Tipo	Grav.	Gamma fav	Gamma sfav.	Gamma sismico	Psi 0	Psi 1	Psi 2	Psi 2 sismico	Phi (coeff. correl.)
Combinazione	combinazione		nd	0.00	0.00	nd	nd	nd	nd	nd
Permanente	permanente	*	1.00	1.30	1.00	nd	nd	nd	nd	nd
Permanente non strutt.	permanente	*	0.00	1.50	1.00	nd	nd	nd	nd	nd
Sismico SLV	sismico		nd	1.00	0.00	nd	nd	nd	nd	nd
Sismico SLD	sismico		nd	1.00	0.00	nd	nd	nd	nd	nd
Sismico SLO	sismico		nd	1.00	0.00	nd	nd	nd	nd	nd
Sismico SLC	sismico		nd	1.00	0.00	nd	nd	nd	nd	nd
Torcente SLV	sismico correlato		nd	1.00	0.00	nd	nd	nd	nd	nd
Torcente SLD	sismico correlato		nd	1.00	0.00	nd	nd	nd	nd	nd
Torcente SLO	sismico correlato		nd	1.00	0.00	nd	nd	nd	nd	nd
Torcente SLC	sismico correlato		nd	1.00	0.00	nd	nd	nd	nd	nd
Cat. A: Residenziale	variabile	*	nd	1.50	1.00	0.70	0.50	0.30	0.30	1.00
Cat. B: Uffici	variabile	*	nd	1.50	1.00	0.70	0.50	0.30	0.30	1.00
Cat. C: Affollamento	variabile	*	nd	1.50	1.00	0.70	0.70	0.60	0.60	1.00
Cat. D: Commerciale	variabile	*	nd	1.50	1.00	0.70	0.70	0.60	0.60	1.00
Cat. E: Magazzini	variabile	*	nd	1.50	1.00	1.00	0.90	0.80	0.80	1.00
Cat. F: Rimesse (<30kN)	variabile	*	nd	1.50	1.00	0.70	0.70	0.60	0.60	1.00
Cat. G: Rimesse (>30kN)	variabile	*	nd	1.50	1.00	0.70	0.50	0.30	0.30	1.00
Cat. H: Copertura	variabile	*	nd	1.50	1.00	0.00	0.00	0.00	0.00	1.00
Neve (q<1000)	variabile	*	nd	1.50	1.00	0.50	0.20	0.00	0.00	1.00
Neve (q>1000)	variabile	*	nd	1.50	1.00	0.70	0.50	0.20	0.00	1.00
Vento	variabile non contemporaneo		nd	1.50	0.00	0.60	0.20	0.00	0.00	1.00
Temperatura	variabile non contemporaneo		nd	1.50	0.00	0.60	0.50	0.00	0.00	1.00

Condizioni di carico

(Fase) Nome Tipo

(1) Dinamica SLOh Y	Sismico SLO
(1) Dinamica SLOh X	Sismico SLO
(1) Dinamica SLVh Y	Sismico SLV
(1) Dinamica SLVh X	Sismico SLV
(1) Dinamica SLDh Y	Sismico SLD
(1) Dinamica SLDh X	Sismico SLD
(1) G1	Permanente
(1) G2	Permanente non strutt.
(1) Qk1	Cat. C: Affollamento
(1) Qk2	Neve (q<1000)
(1) Qk3	Cat. H: Copertura
(1) Torcente di piano SLO	Torcente SLO
(1) Torcente di piano SLD	Torcente SLD
(1) Torcente di piano SLV	Torcente SLV

Combinazioni di carico di stato limite ultimo

1	-1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh X
2	-1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh X
3	-1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh X
4	-1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh X
5	1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh X
6	1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh X
7	1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh X
8	1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh X
9	-1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y
10	-1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh Y
11	-1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y
12	-1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh Y
13	1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y
14	1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh Y
15	1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y
16	1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh Y
17	-1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh X
18	-1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh X
19	-1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh X
20	-1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh X
21	1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh X
22	1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh X
23	1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh X
24	1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh Y + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh X
25	-1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y
26	-1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh Y
27	-1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y
28	-1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh Y
29	1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y

[illegible]

69	
70	$1.50 * (1) Qk2 + 1.05 * (1) Qk1 + 1.50 * (1) G2 + 1.30 * (1) G1$
71	$0.75 * (1) Qk2 + 1.50 * (1) Qk1 + 1.50 * (1) G2 + 1.30 * (1) G1$
72	$1.50 * (1) G2 + 1.30 * (1) G1$

Combinazioni di carico di stato limite di esercizio

1	Quasi Perm.	$0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1$
2	Quasi Perm.	$1.00 * (1) G2 + 1.00 * (1) G1$
3	Frequente	$0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1$
4	Frequente	$0.20 * (1) Qk2 + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1$
5	Frequente	$0.70 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1$
6	Frequente	$1.00 * (1) G2 + 1.00 * (1) G1$
7	Rara	$1.00 * (1) Qk3 + 0.50 * (1) Qk2 + 0.70 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1$
8	Rara	$1.00 * (1) Qk2 + 0.70 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1$
9	Rara	$0.50 * (1) Qk2 + 1.00 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1$
10	Rara	$1.00 * (1) G2 + 1.00 * (1) G1$

Combinazioni di carico di stato limite di danno

1	$-1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh X}$
2	$-1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh X}$
3	$-1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh X}$
4	$-1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh X}$
5	$1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh X}$
6	$1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh X}$
7	$1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh X}$
8	$1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh X}$
9	$-1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh X} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh Y}$
10	$-1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh X} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh Y}$
11	$-1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh X} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh Y}$
12	$-1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh X} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh Y}$
13	$1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh X} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh Y}$
14	$1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh X} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh Y}$
15	$1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh X} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh Y}$
16	$1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh X} + 0.60 * (1) Qk1 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh Y}$
17	$-1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh X}$
18	$-1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh X}$
19	$-1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh X}$
20	$-1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh X}$
21	$1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh X}$
22	$1.00 * (1) \text{Torcente di piano SLD} + -0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh X}$
23	$1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) \text{Dinamica SLDh X}$
24	$1.00 * (1) \text{Torcente di piano SLD} + 0.30 * (1) \text{Dinamica SLDh Y} + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) \text{Dinamica SLDh X}$

25	-1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y
26	-1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh Y
27	-1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y
28	-1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh Y
29	1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y
30	1.00 * (1) Torcente di piano SLD + -0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh Y
31	1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLDh Y
32	1.00 * (1) Torcente di piano SLD + 0.30 * (1) Dinamica SLDh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLDh Y

Combinazioni di carico di stato limite di operatività

[illegible]

30	1.00 * (1) Torcente di piano SLO + -0.30 * (1) Dinamica SLOh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLOh Y
31	1.00 * (1) Torcente di piano SLO + 0.30 * (1) Dinamica SLOh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + -1.00 * (1) Dinamica SLOh Y
32	1.00 * (1) Torcente di piano SLO + 0.30 * (1) Dinamica SLOh X + 0.60 * (1) Qk1 + 1.00 * (1) G2 + 1.00 * (1) G1 + 1.00 * (1) Dinamica SLOh Y

PSN va 1**VERIFICA PILASTRI**

All-In-One EWS 47 (29.11.2018) build 7317

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Pilastri**Sollecitazioni agli estremi degli elementi****Condizione "(1) Dinamica SLOh Y"**

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	2.3532e+003	5.2004e+003	3.1174e+003	3.0033e+005	-1.3509e+006	-1.6731e+006
	2.3532e+003	5.2004e+003	3.1174e+003	3.0033e+005	5.9032e+005	1.5642e+006
4	2.5699e+003	-5.7191e+003	2.7028e+003	-1.9706e+005	-1.2169e+006	1.9400e+006
	2.5699e+003	-5.7191e+003	2.7028e+003	-1.9706e+005	5.5541e+005	-1.7959e+006
96	-2.4000e+003	3.5798e+003	5.2057e+003	3.6340e+004	-1.2067e+006	-6.0775e+005
	-2.4000e+003	3.5798e+003	5.2057e+003	3.6340e+004	4.5919e+005	5.3778e+005
119	-2.0431e+003	-5.0365e+003	2.7148e+004	-7.8498e+004	4.3906e+006	1.7432e+006
	-2.0431e+003	-5.0365e+003	2.7148e+004	-7.8498e+004	6.8667e+006	-2.7187e+005
120	1.5136e+004	1.3257e+004	5.5043e+004	1.4953e+005	-1.4897e+007	-2.1954e+006
	1.5136e+004	1.3257e+004	5.5043e+004	1.4953e+005	3.6037e+006	2.0531e+006
121	-2.3140e+003	-2.0744e+003	2.9706e+004	-1.2262e+005	-5.7381e+006	8.1482e+005
	-2.3140e+003	-2.0744e+003	2.9706e+004	-1.2262e+005	6.3417e+006	2.7222e+004
122	-5.5564e+003	6.3499e+003	6.4698e+004	2.4113e+005	-1.5330e+007	-1.0587e+006
	-5.5564e+003	6.3499e+003	6.4698e+004	2.4113e+005	5.7103e+006	9.8303e+005
123	-9.6551e+003	4.3118e+003	1.0518e+004	-1.1576e+005	-2.1017e+006	-9.2446e+005
	-9.6551e+003	4.3118e+003	1.0518e+004	-1.1576e+005	2.1250e+006	9.1393e+005
124	-2.3248e+004	-8.0372e+003	1.9268e+004	2.4113e+005	-4.0885e+006	1.6199e+006
	-2.3248e+004	-8.0372e+003	1.9268e+004	2.4113e+005	2.1122e+006	-1.0720e+006
130	7.1611e+003	3.9112e+003	8.4233e+003	3.6340e+004	-1.4573e+006	-6.3703e+005
	7.1611e+003	3.9112e+003	8.4233e+003	3.6340e+004	1.2382e+006	6.1459e+005
132	2.5554e+003	6.2666e+003	1.6097e+004	8.3622e+004	-2.5902e+006	-1.0817e+006
	2.5554e+003	6.2666e+003	1.6097e+004	8.3622e+004	2.5608e+006	9.2374e+005
133	9.0971e+003	5.0322e+003	1.7000e+004	8.3622e+004	-2.8284e+006	-9.5515e+005
	9.0971e+003	5.0322e+003	1.7000e+004	8.3622e+004	2.6119e+006	6.5633e+005
134	-4.4411e+003	1.1218e+004	-6.4407e+003	-1.2295e+005	1.3974e+006	-1.2137e+006
	-4.4411e+003	1.1218e+004	-6.4407e+003	-1.2295e+005	-5.6233e+005	-2.5961e+006
135	-1.0589e+004	-1.5323e+004	1.6810e+004	1.4863e+005	-3.0601e+006	3.5874e+006
	-1.0589e+004	-1.5323e+004	1.6810e+004	1.4863e+005	2.3364e+006	-1.4714e+006
136	-2.4560e+003	8.6473e+003	5.4916e+003	-1.0937e+005	-1.3119e+006	-1.2157e+006
	-2.4560e+003	8.6473e+003	5.4916e+003	-1.0937e+005	5.2301e+005	1.7674e+006
137	-1.2822e+004	-1.2596e+004	1.2879e+004	1.4863e+005	-2.4444e+006	2.5693e+006
	-1.2822e+004	-1.2596e+004	1.2879e+004	1.4863e+005	1.6893e+006	-1.5304e+006
155	8.9347e+003	4.1379e+003	9.8281e+003	2.7532e+004	-3.6205e+006	-1.3968e+006
	8.9347e+003	4.1379e+003	9.8281e+003	2.7532e+004	2.4733e+006	1.1687e+006
156	7.0711e+003	-4.1557e+003	6.7733e+003	8.9207e+004	-2.8344e+006	1.6560e+006
	7.0711e+003	-4.1557e+003	6.7733e+003	8.9207e+004	2.0427e+006	-1.3363e+006
174	-4.0561e+003	-1.6888e+002	8.1888e+003	6.9080e+003	-2.5798e+006	1.0471e+005
	-4.0561e+003	-1.6888e+002	8.1888e+003	6.9080e+003	2.4973e+006	0.0000e+000
175	3.3932e+003	-3.7000e+002	2.4086e+004	1.1096e+005	-1.0665e+007	2.2261e+005
	3.3932e+003	-3.7000e+002	2.4086e+004	1.1096e+005	6.6766e+006	-4.3919e+004
193	-6.2498e+002	-1.8516e+002	8.0145e+003	7.9827e+003	-2.5771e+006	1.1480e+005
	-6.2498e+002	-1.8516e+002	8.0145e+003	7.9827e+003	2.3918e+006	0.0000e+000
194	6.1157e+002	-2.5559e+002	2.5512e+004	1.0022e+005	-1.1151e+007	1.9439e+005
	6.1157e+002	-2.5559e+002	2.5512e+004	1.0022e+005	7.2182e+006	1.9489e+004
212	7.1813e+003	-2.1287e+002	8.6755e+003	6.5054e+003	-2.7162e+006	1.3198e+005
	7.1813e+003	-2.1287e+002	8.6755e+003	6.5054e+003	2.6626e+006	0.0000e+000
213	-1.1683e+003	2.4601e+002	2.5977e+004	1.0229e+005	-1.1384e+007	1.8738e+005
	-1.1683e+003	2.4601e+002	2.5977e+004	1.0229e+005	7.3196e+006	1.5643e+005

221	6.1613e+003	-6.0630e+002	3.8506e+004	2.1675e+004	-1.4662e+007	3.4018e+005
	6.1613e+003	-6.0630e+002	3.8506e+004	2.1675e+004	9.2112e+006	-3.6236e+004
241	-1.0134e+003	-1.0025e+003	3.9611e+004	1.8967e+004	-1.4759e+007	4.6527e+005
	-1.0134e+003	-1.0025e+003	3.9611e+004	1.8967e+004	9.7999e+006	-1.5826e+005
266	-9.7582e+003	-3.1902e+003	2.5357e+004	2.1961e+004	-1.0845e+007	1.0152e+006
	-9.7582e+003	-3.1902e+003	2.5357e+004	2.1961e+004	4.8809e+006	-9.6279e+005
Condizione "(1) Dinamica SLOh X"						
Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	1.5733e+004	4.2377e+004	9.0308e+002	-5.7474e+004	-3.9232e+005	-1.3628e+007
	1.5733e+004	4.2377e+004	9.0308e+002	-5.7474e+004	1.6992e+005	1.2752e+007
4	-5.6944e+003	4.0796e+004	-2.9644e+002	-5.1771e+004	1.3303e+005	-1.3886e+007
	-5.6944e+003	4.0796e+004	-2.9644e+002	-5.1771e+004	-6.7218e+004	1.2762e+007
96	-5.0790e+003	8.4676e+003	1.7548e+003	3.4596e+004	-3.9699e+005	-1.4437e+006
	-5.0790e+003	8.4676e+003	1.7548e+003	3.4596e+004	1.6463e+005	1.2660e+006
119	1.5668e+003	-7.0249e+003	6.0079e+003	-1.8040e+005	-1.5304e+006	2.4939e+006
	1.5668e+003	-7.0249e+003	6.0079e+003	-1.8040e+005	1.0301e+006	-3.2907e+005
120	9.3471e+003	2.0177e+004	-1.2631e+004	6.5355e+004	2.6222e+006	-3.9178e+006
	9.3471e+003	2.0177e+004	-1.2631e+004	6.5355e+004	-1.6190e+006	2.6842e+006
121	2.9643e+003	3.9154e+003	6.6381e+003	-3.1997e+005	-1.6837e+006	-1.4355e+006
	2.9643e+003	3.9154e+003	6.6381e+003	-3.1997e+005	1.0903e+006	1.6348e+005
122	1.5507e+004	2.0522e+004	1.5771e+004	2.2956e+005	-3.1125e+006	-4.0587e+006
	1.5507e+004	2.0522e+004	1.5771e+004	2.2956e+005	2.0391e+006	2.5393e+006
123	1.7988e+004	1.5552e+004	2.0800e+003	-3.1650e+005	-4.7495e+005	1.1929e+006
	1.7988e+004	1.5552e+004	2.0800e+003	-3.1650e+005	3.9033e+005	5.2973e+006
124	3.2529e+004	4.5831e+004	6.4001e+003	2.2956e+005	-1.2814e+006	-1.1078e+007
	3.2529e+004	4.5831e+004	6.4001e+003	2.2956e+005	7.8300e+005	3.6301e+006
130	-4.0150e+003	9.8615e+003	1.9590e+003	3.4596e+004	-3.3630e+005	-1.5777e+006
	-4.0150e+003	9.8615e+003	1.9590e+003	3.4596e+004	2.9064e+005	1.5782e+006
132	9.9564e+002	3.2209e+004	3.4233e+003	7.9610e+004	-5.6105e+005	-5.4981e+006
	9.9564e+002	3.2209e+004	3.4233e+003	7.9610e+004	5.3451e+005	4.8090e+006
133	-1.1980e+004	2.4389e+004	5.2019e+003	7.9610e+004	-9.1351e+005	-4.7326e+006
	-1.1980e+004	2.4389e+004	5.2019e+003	7.9610e+004	7.5170e+005	3.0721e+006
134	3.7716e+003	5.4680e+004	-9.4647e+003	-2.9548e+005	1.9055e+006	-4.4607e+006
	3.7716e+003	5.4680e+004	-9.4647e+003	-2.9548e+005	-9.5788e+005	1.2133e+007
135	-1.6289e+004	3.8406e+004	1.1688e+004	1.4150e+005	1.7477e+006	-1.0940e+007
	-1.6289e+004	3.8406e+004	1.1688e+004	1.4150e+005	1.9957e+006	1.6291e+006
136	9.2928e+002	4.7367e+004	-2.9301e+003	-2.8257e+005	7.8542e+005	-5.1368e+006
	9.2928e+002	4.7367e+004	-2.9301e+003	-2.8257e+005	1.9568e+005	1.0671e+007
137	4.2680e+003	5.2812e+004	4.9539e+003	1.4150e+005	-7.3235e+005	-1.2398e+007
	4.2680e+003	5.2812e+004	4.9539e+003	1.4150e+005	8.6245e+005	4.5381e+006
155	-4.1189e+004	3.4099e+004	3.9663e+003	-8.1016e+004	-1.4802e+006	-1.1511e+007
	-4.1189e+004	3.4099e+004	3.9663e+003	-8.1016e+004	9.7910e+005	9.6297e+006
156	2.5698e+004	2.5596e+004	-1.5922e+003	-8.2025e+004	6.6882e+005	-1.0096e+007
	2.5698e+004	2.5596e+004	-1.5922e+003	-8.2025e+004	-4.7768e+005	8.3331e+006
174	-2.8909e+003	1.3668e+003	2.2587e+003	-2.8839e+004	-6.9504e+005	-8.4739e+005
	-2.8909e+003	1.3668e+003	2.2587e+003	-2.8839e+004	7.0546e+005	0.0000e+000
175	4.3777e+003	2.2019e+003	-3.3343e+003	-7.7362e+004	1.4726e+006	-1.3328e+006
	4.3777e+003	2.2019e+003	-3.3343e+003	-7.7362e+004	-9.2816e+005	2.5277e+005
193	9.2847e+002	1.4274e+003	-1.4710e+003	-3.1685e+004	4.7354e+005	-8.8501e+005
	9.2847e+002	1.4274e+003	-1.4710e+003	-3.1685e+004	-4.3848e+005	0.0000e+000
194	2.8095e+003	1.6024e+003	3.2117e+003	-7.8307e+004	-1.4019e+006	-1.1515e+006
	2.8095e+003	1.6024e+003	3.2117e+003	-7.8307e+004	9.1066e+005	2.0999e+004
212	1.8828e+003	1.5718e+003	-1.5704e+003	-3.3861e+004	4.9084e+005	-9.7451e+005
	1.8828e+003	1.5718e+003	-1.5704e+003	-3.3861e+004	-4.8283e+005	0.0000e+000
213	2.3895e+003	1.6838e+003	3.3377e+003	-8.4076e+004	-1.4617e+006	-1.2380e+006

	2.3895e+003	1.6838e+003	3.3377e+003	-8.4076e+004	9.4169e+005	1.8996e+005
221	1.5681e+003	4.4064e+003	-7.1326e+003	1.0709e+005	2.7240e+006	-2.4516e+006
	1.5681e+003	4.4064e+003	-7.1326e+003	1.0709e+005	-1.6982e+006	2.8101e+005
241	-1.0828e+003	5.1031e+003	-7.0051e+003	1.1207e+005	2.6079e+006	-2.5078e+006
	-1.0828e+003	5.1031e+003	-7.0051e+003	1.1207e+005	-1.7360e+006	6.5707e+005
266	-2.9540e+004	1.1123e+004	-3.8832e+003	1.1883e+005	1.8055e+006	-3.5019e+006
	-2.9540e+004	1.1123e+004	-3.8832e+003	1.1883e+005	-6.6458e+005	3.3941e+006

Condizione "(1) Dinamica SLVh Y"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	6.1775e+003	1.3653e+004	8.1756e+003	7.6496e+005	-3.5435e+006	-4.3924e+006
	6.1775e+003	1.3653e+004	8.1756e+003	7.6496e+005	1.5474e+006	4.1066e+006
4	6.7467e+003	-1.5015e+004	7.0621e+003	-5.0221e+005	-3.1837e+006	5.0933e+006
	6.7467e+003	-1.5015e+004	7.0621e+003	-5.0221e+005	1.4465e+006	-4.7149e+006
96	-6.2687e+003	9.3521e+003	1.3665e+004	9.5212e+004	-3.1676e+006	-1.5878e+006
	-6.2687e+003	9.3521e+003	1.3665e+004	9.5212e+004	1.2054e+006	1.4049e+006
119	-5.2726e+003	-1.3168e+004	7.0829e+004	2.0584e+005	-1.1303e+007	4.5571e+006
	-5.2726e+003	-1.3168e+004	7.0829e+004	2.0584e+005	1.8004e+007	-7.1114e+005
120	3.9729e+004	3.4634e+004	1.4366e+005	3.9203e+005	-3.9023e+007	-5.7352e+006
	3.9729e+004	3.4634e+004	1.4366e+005	3.9203e+005	9.1525e+006	5.3647e+006
121	-6.0457e+003	-5.4037e+003	7.7514e+004	-3.2189e+005	-1.4869e+007	2.1236e+006
	-6.0457e+003	-5.4037e+003	7.7514e+004	-3.2189e+005	1.6618e+007	7.0185e+004
122	-1.4585e+004	1.6543e+004	1.6894e+005	6.3178e+005	-4.0139e+007	-2.7594e+006
	-1.4585e+004	1.6543e+004	1.6894e+005	6.3178e+005	1.4747e+007	2.5600e+006
123	-2.5164e+004	1.0965e+004	2.7507e+004	-3.0376e+005	-5.4812e+006	-2.3432e+006
	-2.5164e+004	1.0965e+004	2.7507e+004	-3.0376e+005	5.5684e+006	2.3482e+006
124	-6.0964e+004	-2.0924e+004	5.0337e+004	6.3178e+005	-1.0702e+007	4.2399e+006
	-6.0964e+004	-2.0924e+004	5.0337e+004	6.3178e+005	5.4913e+006	-2.7618e+006
130	1.8801e+004	1.0218e+004	2.2104e+004	9.5212e+004	-3.8242e+006	-1.6642e+006
	1.8801e+004	1.0218e+004	2.2104e+004	9.5212e+004	3.2490e+006	1.6056e+006
132	6.6851e+003	1.6350e+004	4.2243e+004	2.1910e+005	-6.7974e+006	-2.8219e+006
	6.6851e+003	1.6350e+004	4.2243e+004	2.1910e+005	6.7204e+006	2.4103e+006
133	2.3870e+004	1.3119e+004	4.4628e+004	2.1910e+005	-7.4248e+006	-2.4903e+006
	2.3870e+004	1.3119e+004	4.4628e+004	2.1910e+005	6.8569e+006	1.7110e+006
134	-1.1658e+004	2.8928e+004	-1.6867e+004	-3.2228e+005	3.6593e+006	-3.0748e+006
	-1.1658e+004	2.8928e+004	-1.6867e+004	-3.2228e+005	-1.4727e+006	-6.7642e+006
135	-2.7790e+004	-4.0058e+004	4.4109e+004	3.8941e+005	-8.0313e+006	9.4063e+006
	-2.7790e+004	-4.0058e+004	4.4109e+004	3.8941e+005	6.1286e+006	-3.7981e+006
136	-6.4095e+003	2.2164e+004	1.4373e+004	-2.8710e+005	-3.4310e+006	-3.0871e+006
	-6.4095e+003	2.2164e+004	1.4373e+004	-2.8710e+005	1.3709e+006	4.5657e+006
137	-3.3653e+004	-3.2914e+004	3.3753e+004	3.8941e+005	-6.4104e+006	6.7322e+006
	-3.3653e+004	-3.2914e+004	3.3753e+004	3.8941e+005	4.4219e+006	-3.9724e+006
155	2.3457e+004	1.0864e+004	2.5802e+004	7.2149e+004	-9.5051e+006	-3.6672e+006
	2.3457e+004	1.0864e+004	2.5802e+004	7.2149e+004	6.4929e+006	3.0682e+006
156	1.8564e+004	-1.0910e+004	1.7782e+004	2.3414e+005	-7.4414e+006	4.3477e+006
	1.8564e+004	-1.0910e+004	1.7782e+004	2.3414e+005	5.3626e+006	-3.5083e+006
174	-1.0648e+004	-4.4337e+002	2.1498e+004	1.8080e+004	-6.7729e+006	2.7489e+005
	-1.0648e+004	-4.4337e+002	2.1498e+004	1.8080e+004	6.5562e+006	0.0000e+000
175	8.9070e+003	-9.7134e+002	6.3235e+004	2.9127e+005	-2.8001e+007	5.8439e+005
	8.9070e+003	-9.7134e+002	6.3235e+004	2.9127e+005	1.7529e+007	-1.1530e+005
193	-1.6400e+003	-4.8605e+002	2.1041e+004	2.0910e+004	-6.7659e+006	3.0135e+005
	-1.6400e+003	-4.8605e+002	2.1041e+004	2.0910e+004	6.2794e+006	0.0000e+000
194	1.5652e+003	-6.7094e+002	6.6980e+004	2.6306e+005	-2.9275e+007	5.1019e+005
	1.5652e+003	-6.7094e+002	6.6980e+004	2.6306e+005	1.8951e+007	5.0888e+004
212	1.8854e+004	-5.5874e+002	2.2776e+004	1.7033e+004	-7.1311e+006	3.4642e+005
	1.8854e+004	-5.5874e+002	2.2776e+004	1.7033e+004	6.9901e+006	0.0000e+000

213	-2.9611e+003	6.4432e+002	6.8200e+004	2.6852e+005	-2.9888e+007	4.9190e+005
	-2.9611e+003	6.4432e+002	6.8200e+004	2.6852e+005	1.9217e+007	4.0880e+005
221	1.6176e+004	-1.5913e+003	1.0109e+005	5.6786e+004	-3.8494e+007	8.9282e+005
	1.6176e+004	-1.5913e+003	1.0109e+005	5.6786e+004	2.4183e+007	-9.5093e+004
241	-2.6595e+003	-2.6306e+003	1.0399e+005	4.9733e+004	-3.8747e+007	1.2209e+006
	-2.6595e+003	-2.6306e+003	1.0399e+005	4.9733e+004	2.5728e+007	-4.1519e+005
266	-2.5595e+004	-8.3708e+003	6.6571e+004	5.7556e+004	-2.8470e+007	2.6642e+006
	-2.5595e+004	-8.3708e+003	6.6571e+004	5.7556e+004	1.2814e+007	-2.5261e+006

Condizione "(1) Dinamica SLVh X"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	4.1307e+004	1.1126e+005	2.3708e+003	-1.5088e+005	-1.0299e+006	-3.5779e+007
	4.1307e+004	1.1126e+005	2.3708e+003	-1.5088e+005	4.4609e+005	3.3478e+007
4	-1.4950e+004	1.0711e+005	-7.7809e+002	-1.3590e+005	3.4916e+005	-3.6457e+007
	-1.4950e+004	1.0711e+005	-7.7809e+002	-1.3590e+005	-1.7645e+005	3.3505e+007
96	-1.3330e+004	2.2226e+004	4.6056e+003	9.0768e+004	-1.0419e+006	-3.7894e+006
	-1.3330e+004	2.2226e+004	4.6056e+003	9.0768e+004	4.3213e+005	3.3229e+006
119	4.0822e+003	-1.8434e+004	1.5290e+004	-4.7360e+005	-3.8652e+006	6.5441e+006
	4.0822e+003	-1.8434e+004	1.5290e+004	-4.7360e+005	2.6663e+006	-8.6340e+005
120	2.4536e+004	5.2945e+004	-3.2287e+004	1.7124e+005	6.7680e+006	-1.0282e+007
	2.4536e+004	5.2945e+004	-3.2287e+004	1.7124e+005	-4.0887e+006	7.0422e+006
121	7.7769e+003	1.0273e+004	1.6920e+004	-8.4002e+005	-4.2617e+006	-3.7664e+006
	7.7769e+003	1.0273e+004	1.6920e+004	-8.4002e+005	2.8188e+006	4.2912e+005
122	4.0713e+004	5.3866e+004	4.0524e+004	6.0230e+005	-8.0484e+006	-1.0654e+007
	4.0713e+004	5.3866e+004	4.0524e+004	6.0230e+005	5.1917e+006	6.6644e+006
123	4.7197e+004	4.0774e+004	5.3296e+003	-8.3089e+005	-1.2082e+006	3.0914e+006
	4.7197e+004	4.0774e+004	5.3296e+003	-8.3089e+005	1.0110e+006	1.3903e+007
124	8.5388e+004	1.2029e+005	1.6629e+004	6.0230e+005	-3.3403e+006	-2.9082e+007
	8.5388e+004	1.2029e+005	1.6629e+004	6.0230e+005	2.0215e+006	9.5184e+006
130	-1.0541e+004	2.5885e+004	5.1327e+003	9.0768e+004	-8.8124e+005	-4.1412e+006
	-1.0541e+004	2.5885e+004	5.1327e+003	9.0768e+004	7.6137e+005	4.1426e+006
132	2.5988e+003	8.4557e+004	8.9692e+003	2.0887e+005	-1.4700e+006	-1.4434e+007
	2.5988e+003	8.4557e+004	8.9692e+003	2.0887e+005	1.4005e+006	1.2625e+007
133	-3.1450e+004	6.4025e+004	1.3654e+004	2.0887e+005	-2.3978e+006	-1.2424e+007
	-3.1450e+004	6.4025e+004	1.3654e+004	2.0887e+005	1.9731e+006	8.0647e+006
134	9.8998e+003	1.4350e+005	-2.4842e+004	-7.7566e+005	5.0012e+006	-1.1694e+007
	9.8998e+003	1.4350e+005	-2.4842e+004	-7.7566e+005	-2.5143e+006	3.1850e+007
135	-4.2762e+004	1.0078e+005	3.0677e+004	3.7124e+005	4.5874e+006	-2.8718e+007
	-4.2762e+004	1.0078e+005	3.0677e+004	3.7124e+005	5.2381e+006	4.2378e+006
136	2.4023e+003	1.2431e+005	-7.6735e+003	-7.4184e+005	2.0571e+006	-1.3473e+007
	2.4023e+003	1.2431e+005	-7.6735e+003	-7.4184e+005	5.1241e+005	2.8010e+007
137	1.1196e+004	1.3862e+005	1.2971e+004	3.7124e+005	-1.9175e+006	-3.2546e+007
	1.1196e+004	1.3862e+005	1.2971e+004	3.7124e+005	2.2585e+006	1.1903e+007
155	-1.0814e+005	8.9522e+004	1.0413e+004	-2.1268e+005	-3.8859e+006	-3.0222e+007
	-1.0814e+005	8.9522e+004	1.0413e+004	-2.1268e+005	2.5704e+006	2.5282e+007
156	6.7469e+004	6.7199e+004	-4.1801e+003	-2.1533e+005	1.7559e+006	-2.6505e+007
	6.7469e+004	6.7199e+004	-4.1801e+003	-2.1533e+005	-1.2541e+006	2.1878e+007
174	-7.5897e+003	3.5883e+003	5.9295e+003	-7.5706e+004	-1.8246e+006	-2.2247e+006
	-7.5897e+003	3.5883e+003	5.9295e+003	-7.5706e+004	1.8520e+006	0.0000e+000
175	1.1493e+004	5.7808e+003	-8.7528e+003	-2.0309e+005	3.8658e+006	-3.4990e+006
	1.1493e+004	5.7808e+003	-8.7528e+003	-2.0309e+005	-2.4365e+006	6.6362e+005
193	2.4375e+003	3.7476e+003	-3.8614e+003	-8.3180e+004	1.2431e+006	-2.3235e+006
	2.4375e+003	3.7476e+003	-3.8614e+003	-8.3180e+004	-1.1510e+006	0.0000e+000
194	7.3741e+003	4.2070e+003	8.4316e+003	-2.0557e+005	-3.6804e+006	-3.0232e+006
	7.3741e+003	4.2070e+003	8.4316e+003	-2.0557e+005	2.3908e+006	5.5068e+004
212	4.9430e+003	4.1266e+003	-4.1224e+003	-8.8894e+004	1.2885e+006	-2.5585e+006

	4.9430e+003	4.1266e+003	-4.1224e+003	-8.8894e+004	-1.2674e+006	0.0000e+000
213	6.2599e+003	4.4207e+003	8.7614e+003	-2.2072e+005	-3.8373e+006	-3.2502e+006
	6.2599e+003	4.4207e+003	8.7614e+003	-2.2072e+005	2.4717e+006	4.9835e+005
221	4.1168e+003	1.1569e+004	-1.8724e+004	2.8115e+005	7.1508e+006	-6.4364e+006
	4.1168e+003	1.1569e+004	-1.8724e+004	2.8115e+005	-4.4581e+006	7.3777e+005
241	-2.8426e+003	1.3398e+004	-1.8388e+004	2.9422e+005	6.8455e+006	-6.5841e+006
	-2.8426e+003	1.3398e+004	-1.8388e+004	2.9422e+005	-4.5570e+006	1.7250e+006
266	-7.7550e+004	2.9201e+004	-1.0193e+004	3.1198e+005	4.7391e+006	-9.1938e+006
	-7.7550e+004	2.9201e+004	-1.0193e+004	3.1198e+005	-1.7448e+006	8.9107e+006

Condizione "(1) Dinamica SLDh Y"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	2.8593e+003	6.3189e+003	3.7879e+003	3.6493e+005	-1.6415e+006	-2.0329e+006
	2.8593e+003	6.3189e+003	3.7879e+003	3.6493e+005	7.1727e+005	1.9006e+006
4	3.1226e+003	-6.9492e+003	3.2841e+003	-2.3943e+005	-1.4787e+006	2.3572e+006
	3.1226e+003	-6.9492e+003	3.2841e+003	-2.3943e+005	6.7486e+005	-2.1821e+006
96	-2.9106e+003	4.3418e+003	6.3250e+003	4.4122e+004	-1.4662e+006	-7.3714e+005
	-2.9106e+003	4.3418e+003	6.3250e+003	4.4122e+004	5.5792e+005	6.5225e+005
119	-2.4669e+003	-6.1104e+003	3.2911e+004	-9.5338e+004	-5.2968e+006	2.1148e+006
	-2.4669e+003	-6.1104e+003	3.2911e+004	-9.5338e+004	8.3394e+006	-3.2990e+005
120	1.8390e+004	1.6079e+004	6.6736e+004	1.8160e+005	-1.8086e+007	-2.6627e+006
	1.8390e+004	1.6079e+004	6.6736e+004	1.8160e+005	4.3264e+006	2.4903e+006
121	-2.8066e+003	-2.5133e+003	3.6014e+004	-1.4899e+005	-6.9388e+006	9.8739e+005
	-2.8066e+003	-2.5133e+003	3.6014e+004	-1.4899e+005	7.7003e+006	3.2854e+004
122	-6.7510e+003	7.6937e+003	7.8457e+004	2.9277e+005	-1.8608e+007	-1.2829e+006
	-6.7510e+003	7.6937e+003	7.8457e+004	2.9277e+005	6.8967e+006	1.1909e+006
123	-1.1700e+004	5.1773e+003	1.2762e+004	-1.4063e+005	-2.5475e+006	-1.1087e+006
	-1.1700e+004	5.1773e+003	1.2762e+004	-1.4063e+005	2.5802e+006	1.1016e+006
124	-2.8236e+004	-9.7338e+003	2.3369e+004	2.9277e+005	-4.9623e+006	1.9659e+006
	-2.8236e+004	-9.7338e+003	2.3369e+004	2.9277e+005	2.5572e+006	-1.2933e+006
130	8.7013e+003	4.7438e+003	1.0233e+004	4.4122e+004	-1.7704e+006	-7.7263e+005
	8.7013e+003	4.7438e+003	1.0233e+004	4.4122e+004	1.5042e+006	7.4542e+005
132	3.1009e+003	7.5968e+003	1.9556e+004	1.0153e+005	-3.1468e+006	-1.3113e+006
	3.1009e+003	7.5968e+003	1.9556e+004	1.0153e+005	3.1111e+006	1.1199e+006
133	1.1051e+004	6.0987e+003	2.0655e+004	1.0153e+005	-3.4365e+006	-1.1576e+006
	1.1051e+004	6.0987e+003	2.0655e+004	1.0153e+005	3.1736e+006	7.9542e+005
134	-5.3959e+003	1.3540e+004	-7.8186e+003	-1.4931e+005	1.6963e+006	-1.4554e+006
	-5.3959e+003	1.3540e+004	-7.8186e+003	-1.4931e+005	-6.8265e+005	-3.1455e+006
135	-1.2865e+004	-1.8588e+004	2.0421e+004	1.8046e+005	-3.7178e+006	4.3568e+006
	-1.2865e+004	-1.8588e+004	2.0421e+004	1.8046e+005	2.8380e+006	-1.7764e+006
136	-2.9776e+003	1.0414e+004	6.6650e+003	-1.3288e+005	-1.5918e+006	-1.4590e+006
	-2.9776e+003	1.0414e+004	6.6650e+003	-1.3288e+005	6.3512e+005	2.1346e+006
137	-1.5578e+004	-1.5277e+004	1.5639e+004	1.8046e+005	-2.9689e+006	3.1195e+006
	-1.5578e+004	-1.5277e+004	1.5639e+004	1.8046e+005	2.0504e+006	-1.8515e+006
155	1.0856e+004	5.0278e+003	1.1942e+004	3.3431e+004	-4.3992e+006	-1.6972e+006
	1.0856e+004	5.0278e+003	1.1942e+004	3.3431e+004	3.0052e+006	1.4200e+006
156	8.5919e+003	-5.0495e+003	8.2300e+003	1.0838e+005	-3.4440e+006	2.0122e+006
	8.5919e+003	-5.0495e+003	8.2300e+003	1.0838e+005	2.4821e+006	-1.6237e+006
174	-4.9284e+003	-2.0520e+002	9.9499e+003	8.3840e+003	-3.1346e+006	1.2723e+005
	-4.9284e+003	-2.0520e+002	9.9499e+003	8.3840e+003	3.0343e+006	0.0000e+000
175	4.1230e+003	-4.4957e+002	2.9266e+004	1.3482e+005	-1.2959e+007	2.7048e+005
	4.1230e+003	-4.4957e+002	2.9266e+004	1.3482e+005	8.1126e+006	-5.3364e+004
193	-7.5927e+002	-2.2497e+002	9.7382e+003	9.6913e+003	-3.1314e+006	1.3948e+005
	-7.5927e+002	-2.2497e+002	9.7382e+003	9.6913e+003	2.9063e+006	0.0000e+000
194	7.3624e+002	-3.1055e+002	3.1000e+004	1.2177e+005	-1.3549e+007	2.3617e+005
	7.3624e+002	-3.1055e+002	3.1000e+004	1.2177e+005	8.7706e+006	2.3633e+004

212	8.7258e+003	-2.5863e+002	1.0541e+004	7.8965e+003	-3.3004e+006	1.6035e+005
	8.7258e+003	-2.5863e+002	1.0541e+004	7.8965e+003	3.2352e+006	0.0000e+000
213	-1.4016e+003	2.9866e+002	3.1564e+004	1.2428e+005	-1.3833e+007	2.2767e+005
	-1.4016e+003	2.9866e+002	3.1564e+004	1.2428e+005	8.8938e+006	1.8975e+005
221	7.4864e+003	-7.3661e+002	4.6787e+004	2.6317e+004	-1.7816e+007	4.1329e+005
	7.4864e+003	-7.3661e+002	4.6787e+004	2.6317e+004	1.1192e+007	-4.4022e+004
241	-1.2312e+003	-1.2179e+003	4.8129e+004	2.3036e+004	-1.7933e+007	5.6523e+005
	-1.2312e+003	-1.2179e+003	4.8129e+004	2.3036e+004	1.1908e+007	-1.9225e+005
266	-1.1853e+004	-3.8755e+003	3.0810e+004	2.6667e+004	-1.3177e+007	1.2334e+006
	-1.1853e+004	-3.8755e+003	3.0810e+004	2.6667e+004	5.9306e+006	-1.1696e+006

Condizione "(1) Dinamica SLDh X"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	1.9117e+004	5.1491e+004	1.0973e+003	-6.9832e+004	-4.7668e+005	-1.6559e+007
	1.9117e+004	5.1491e+004	1.0973e+003	-6.9832e+004	2.0646e+005	1.5494e+007
4	-6.9191e+003	4.9570e+004	-3.6016e+002	-6.2902e+004	1.6162e+005	-1.6873e+007
	-6.9191e+003	4.9570e+004	-3.6016e+002	-6.2902e+004	-8.1670e+004	1.5507e+007
96	-6.1707e+003	1.0288e+004	2.1319e+003	4.2025e+004	-4.8232e+005	-1.7540e+006
	-6.1707e+003	1.0288e+004	2.1319e+003	4.2025e+004	2.0002e+005	1.5381e+006
119	1.8979e+003	-8.5342e+003	7.2165e+003	-2.1919e+005	-1.8332e+006	3.0297e+006
	1.8979e+003	-8.5342e+003	7.2165e+003	-2.1919e+005	1.2450e+006	-3.9976e+005
120	1.1357e+004	2.4512e+004	-1.5196e+004	7.9347e+004	3.1660e+006	-4.7597e+006
	1.1357e+004	2.4512e+004	-1.5196e+004	7.9347e+004	-1.9392e+006	3.2607e+006
121	3.6008e+003	4.7563e+003	7.9780e+003	-3.8878e+005	-2.0184e+006	-1.7438e+006
	3.6008e+003	4.7563e+003	7.9780e+003	-3.8878e+005	1.3172e+006	1.9862e+005
122	1.8843e+004	2.4933e+004	1.9011e+004	2.7886e+005	-3.7605e+006	-4.9314e+006
	1.8843e+004	2.4933e+004	1.9011e+004	2.7886e+005	2.4497e+006	3.0850e+006
123	2.1851e+004	1.8883e+004	2.5046e+003	-3.8456e+005	-5.7041e+005	1.4392e+006
	2.1851e+004	1.8883e+004	2.5046e+003	-3.8456e+005	4.7189e+005	6.4356e+006
124	3.9523e+004	5.5680e+004	7.7463e+003	2.7886e+005	-1.5528e+006	-1.3460e+007
	3.9523e+004	5.5680e+004	7.7463e+003	2.7886e+005	9.4547e+005	4.4077e+006
130	-4.8786e+003	1.1982e+004	2.3786e+003	4.2025e+004	-4.0834e+005	-1.9168e+006
	-4.8786e+003	1.1982e+004	2.3786e+003	4.2025e+004	3.5286e+005	1.9175e+006
132	1.2071e+003	3.9136e+004	4.1564e+003	9.6705e+004	-6.8120e+005	-6.6804e+006
	1.2071e+003	3.9136e+004	4.1564e+003	9.6705e+004	6.4899e+005	5.8431e+006
133	-1.4556e+004	2.9633e+004	6.3202e+003	9.6705e+004	-1.1099e+006	-5.7503e+006
	-1.4556e+004	2.9633e+004	6.3202e+003	9.6705e+004	9.1330e+005	3.7327e+006
134	4.5822e+003	6.6427e+004	-1.1499e+004	-3.5901e+005	2.3151e+006	-5.4158e+006
	4.5822e+003	6.6427e+004	-1.1499e+004	-3.5901e+005	-1.1638e+006	1.4742e+007
135	-1.9792e+004	4.6653e+004	1.4200e+004	1.7188e+005	2.1234e+006	-1.3292e+007
	-1.9792e+004	4.6653e+004	1.4200e+004	1.7188e+005	2.4247e+006	1.9694e+006
136	1.1210e+003	5.7542e+004	-3.5570e+003	-3.4334e+005	9.5349e+005	-6.2382e+006
	1.1210e+003	5.7542e+004	-3.5570e+003	-3.4334e+005	2.3754e+005	1.2965e+007
137	5.1841e+003	6.4162e+004	6.0134e+003	1.7188e+005	-8.8897e+005	-1.5063e+007
	5.1841e+003	6.4162e+004	6.0134e+003	1.7188e+005	1.0470e+006	5.5112e+006
155	-5.0048e+004	4.1432e+004	4.8193e+003	-9.8435e+004	-1.7985e+006	-1.3987e+007
	-5.0048e+004	4.1432e+004	4.8193e+003	-9.8435e+004	1.1897e+006	1.1701e+007
156	3.1225e+004	3.1101e+004	-1.9347e+003	-9.9662e+004	8.1266e+005	-1.2267e+007
	3.1225e+004	3.1101e+004	-1.9347e+003	-9.9662e+004	-5.8041e+005	1.0125e+007
174	-3.5126e+003	1.6607e+003	2.7444e+003	-3.5039e+004	-8.4451e+005	-1.0296e+006
	-3.5126e+003	1.6607e+003	2.7444e+003	-3.5039e+004	8.5716e+005	0.0000e+000
175	5.3192e+003	2.6754e+003	-4.0512e+003	-9.3997e+004	1.7893e+006	-1.6194e+006
	5.3192e+003	2.6754e+003	-4.0512e+003	-9.3997e+004	-1.1277e+006	3.0714e+005
193	1.1281e+003	1.7344e+003	-1.7873e+003	-3.8498e+004	5.7536e+005	-1.0754e+006
	1.1281e+003	1.7344e+003	-1.7873e+003	-3.8498e+004	-5.3276e+005	0.0000e+000
194	3.4134e+003	1.9471e+003	3.9024e+003	-9.5145e+004	-1.7034e+006	-1.3992e+006

	3.4134e+003	1.9471e+003	3.9024e+003	-9.5145e+004	1.1065e+006	2.5505e+004
212	2.2877e+003	1.9098e+003	-1.9081e+003	-4.1143e+004	5.9638e+005	-1.1841e+006
	2.2877e+003	1.9098e+003	-1.9081e+003	-4.1143e+004	-5.8664e+005	0.0000e+000
213	2.9009e+003	2.0460e+003	4.0553e+003	-1.0216e+005	-1.7760e+006	-1.5043e+006
	2.9009e+003	2.0460e+003	4.0553e+003	-1.0216e+005	1.1441e+006	2.3076e+005
221	1.9053e+003	5.3541e+003	-8.6662e+003	1.3012e+005	3.3098e+006	-2.9789e+006
	1.9053e+003	5.3541e+003	-8.6662e+003	1.3012e+005	-2.0634e+006	3.4145e+005
241	-1.3157e+003	6.2006e+003	-8.5112e+003	1.3617e+005	3.1685e+006	-3.0472e+006
	-1.3157e+003	6.2006e+003	-8.5112e+003	1.3617e+005	-2.1093e+006	7.9838e+005
266	-3.5892e+004	1.3515e+004	-4.7181e+003	1.4439e+005	2.1936e+006	-4.2551e+006
	-3.5892e+004	1.3515e+004	-4.7181e+003	1.4439e+005	-8.0751e+005	4.1240e+006

Condizione "(1) G1"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	2.6724e+004	-1.9448e+003	1.3613e+002	-2.8012e+004	3.0398e+004	5.6593e+005
	3.3803e+003	-1.9448e+003	1.3613e+002	-2.8012e+004	1.1514e+005	-6.4470e+005
4	3.4509e+004	2.5874e+003	2.1661e+002	4.8005e+003	-1.3878e+004	-8.5362e+005
	1.0013e+004	2.5874e+003	2.1661e+002	4.8005e+003	1.2761e+005	8.3650e+005
96	3.2601e+004	2.6757e+002	-3.0947e+002	-3.4569e+003	1.6087e+005	-1.5232e+005
	2.7601e+004	2.6757e+002	-3.0947e+002	-3.4569e+003	6.1837e+004	-6.6699e+004
119	5.5832e+004	-2.4579e+003	4.0076e+002	-1.7692e+004	-1.0665e+005	5.2622e+005
	3.7832e+004	-2.4579e+003	4.0076e+002	-1.7692e+004	5.3655e+004	-4.5693e+005
120	1.0940e+005	-2.0457e+003	2.1182e+004	-1.4083e+004	-2.9887e+006	5.4890e+005
	9.5001e+004	-2.0457e+003	2.1182e+004	-1.4083e+004	3.7895e+006	-1.0574e+005
121	5.7632e+004	-2.8771e+003	-1.8809e+003	-9.8236e+004	1.0772e+006	6.5682e+005
	3.9632e+004	-2.8771e+003	-1.8809e+003	-9.8236e+004	3.2490e+005	-4.9401e+005
122	1.4494e+005	-3.3117e+003	2.5359e+004	-2.2939e+004	-4.9048e+006	6.5407e+005
	1.3054e+005	-3.3117e+003	2.5359e+004	-2.2939e+004	3.2100e+006	-4.0568e+005
123	3.7430e+004	6.9306e+003	-4.5363e+003	-1.2351e+005	1.4273e+006	-1.9093e+006
	1.9430e+004	6.9306e+003	-4.5363e+003	-1.2351e+005	-3.8718e+005	8.6296e+005
124	1.2806e+005	2.9939e+003	5.4309e+003	-2.2939e+004	-1.7965e+006	6.1215e+005
	1.1366e+005	2.9939e+003	5.4309e+003	-2.2939e+004	-5.8619e+004	1.5702e+006
130	2.8540e+004	2.0043e+003	4.6125e+002	-3.4569e+003	7.4827e+004	-2.5540e+005
	2.3540e+004	2.0043e+003	4.6125e+002	-3.4569e+003	2.2243e+005	3.8596e+005
132	9.6703e+004	1.2113e+004	3.5609e+003	-7.9548e+003	-5.3752e+005	-1.3305e+006
	8.8703e+004	1.2113e+004	3.5609e+003	-7.9548e+003	6.0197e+005	2.5458e+006
133	9.4729e+004	-1.1199e+004	4.9476e+003	-7.9548e+003	-5.4712e+005	5.6947e+005
	8.6729e+004	-1.1199e+004	4.9476e+003	-7.9548e+003	1.0361e+006	-3.0143e+006
134	4.2829e+004	-4.8620e+003	-5.2018e+003	5.3232e+004	1.0207e+006	1.5446e+006
	3.1485e+004	-4.8620e+003	-5.2018e+003	5.3232e+004	-5.5283e+005	7.3845e+004
135	1.1263e+005	-5.0518e+003	3.1477e+003	-1.4139e+004	-9.0700e+005	-5.9224e+004
	1.0063e+005	-5.0518e+003	3.1477e+003	-1.4139e+004	1.0028e+005	-1.6758e+006
136	4.5263e+004	1.4850e+002	-1.9655e+003	-3.3137e+004	4.9892e+005	4.7277e+004
	3.2768e+004	1.4850e+002	-1.9655e+003	-3.3137e+004	-1.5600e+005	9.6758e+004
137	1.5291e+005	1.1116e+003	7.0242e+003	-1.4139e+004	-1.5059e+006	-3.3897e+005
	1.4091e+005	1.1116e+003	7.0242e+003	-1.4139e+004	7.4185e+005	1.6743e+004
155	4.5199e+004	-3.8319e+003	1.3524e+002	-6.7322e+004	1.4651e+005	1.4169e+006
	1.7299e+004	-3.8319e+003	1.3524e+002	-6.7322e+004	2.3036e+005	-9.5891e+005
156	4.7613e+004	3.1455e+003	4.3871e+002	4.8164e+004	-3.8301e+004	-1.2918e+006
	1.5213e+004	3.1455e+003	4.3871e+002	4.8164e+004	2.7757e+005	9.7302e+005
174	8.3646e+004	-6.1608e+002	7.5928e+001	-1.9799e+004	-4.1920e+004	3.8197e+005
	3.8930e+004	-6.1608e+002	7.5928e+001	-1.9799e+004	5.1556e+003	0.0000e+000
175	7.0619e+004	1.8532e+002	1.1764e+003	4.8784e+004	-5.8304e+005	-4.7883e+005
	3.8219e+004	1.8532e+002	1.1764e+003	4.8784e+004	2.6394e+005	-3.4541e+005
193	8.4280e+004	-6.8569e+002	5.0494e+002	-8.1861e+003	-1.6223e+005	4.2513e+005
	3.9564e+004	-6.8569e+002	5.0494e+002	-8.1861e+003	1.5083e+005	0.0000e+000

194	7.0058e+004	1.4824e+002	2.2475e+003	9.6373e+003	-9.2091e+005	-5.2008e+005
	3.7658e+004	1.4824e+002	2.2475e+003	9.6373e+003	6.9730e+005	-4.1335e+005
212	8.6009e+004	-4.2002e+002	5.4388e+002	-3.4515e+003	-1.7410e+005	2.6041e+005
	4.1293e+004	-4.2002e+002	5.4388e+002	-3.4515e+003	1.6311e+005	0.0000e+000
213	6.8193e+004	2.3057e+001	7.2636e+002	2.1670e+003	-3.7056e+005	-2.9250e+005
	3.5793e+004	2.3057e+001	7.2636e+002	2.1670e+003	1.5242e+005	-2.7589e+005
221	6.9472e+004	1.5412e+003	3.3076e+003	3.5520e+003	-1.3141e+006	-5.3559e+005
	4.1572e+004	1.5412e+003	3.3076e+003	3.5520e+003	7.3665e+005	4.1993e+005
241	6.6785e+004	1.7639e+003	2.6265e+003	4.0175e+004	-9.1348e+005	-7.6123e+005
	3.8885e+004	1.7639e+003	2.6265e+003	4.0175e+004	7.1497e+005	3.3236e+005
266	4.0499e+004	1.2217e+003	1.0479e+003	5.2933e+004	-7.2546e+005	-4.3014e+005
	1.2599e+004	1.2217e+003	1.0479e+003	5.2933e+004	-7.5781e+004	3.2732e+005

Condizione "(1) G2"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	8.2636e+003	-2.3439e+002	1.3062e+002	-2.1748e+004	-3.4639e+004	4.7205e+004
	8.2636e+003	-2.3439e+002	1.3062e+002	-2.1748e+004	4.6674e+004	-9.8705e+004
4	1.1136e+004	5.5163e+002	1.4801e+002	9.0229e+003	-4.2241e+004	-1.7921e+005
	1.1136e+004	5.5163e+002	1.4801e+002	9.0229e+003	5.4440e+004	1.8112e+005
96	4.9062e+003	-6.9282e+002	-1.7361e+002	-2.8837e+003	5.5307e+004	8.7258e+004
	4.9062e+003	-6.9282e+002	-1.7361e+002	-2.8837e+003	-2.4986e+002	-1.3445e+005
119	2.1567e+004	-1.1708e+003	3.6214e+002	-7.9883e+003	-5.0864e+004	2.3748e+005
	2.1567e+004	-1.1708e+003	3.6214e+002	-7.9883e+003	9.3990e+004	-2.3085e+005
120	2.1868e+004	2.7584e+002	4.7717e+002	-1.4441e+004	-1.1268e+005	5.0617e+004
	2.1868e+004	2.7584e+002	4.7717e+002	-1.4441e+004	4.0011e+004	1.3889e+005
121	1.8854e+004	-1.2457e+002	6.9512e+002	-6.4248e+004	-1.5296e+005	-1.0182e+005
	1.8854e+004	-1.2457e+002	6.9512e+002	-6.4248e+004	1.2509e+005	-1.5165e+005
122	3.1307e+004	3.4970e+003	9.2731e+001	-1.9135e+004	-6.9411e+004	-4.2389e+005
	3.1307e+004	3.4970e+003	9.2731e+001	-1.9135e+004	-3.9737e+004	6.9515e+005
123	5.2983e+003	1.7768e+003	2.7308e+002	-7.9369e+004	-5.1243e+004	-3.8272e+005
	5.2983e+003	1.7768e+003	2.7308e+002	-7.9369e+004	5.7991e+004	3.2798e+005
124	1.5761e+004	2.7991e+003	1.6646e+002	-1.9135e+004	-6.1022e+004	-3.4557e+005
	1.5761e+004	2.7991e+003	1.6646e+002	-1.9135e+004	-7.7552e+003	5.5015e+005
130	1.3268e+004	-2.6237e+002	-3.8797e+001	-2.8837e+003	3.3667e+004	4.5344e+004
	1.3268e+004	-2.6237e+002	-3.8797e+001	-2.8837e+003	2.1252e+004	-3.8615e+004
132	4.9217e+004	9.3695e+002	-1.2770e+002	-6.6356e+003	1.6412e+004	-8.9308e+004
	4.9217e+004	9.3695e+002	-1.2770e+002	-6.6356e+003	-2.4452e+004	2.1052e+005
133	1.7084e+004	-6.0049e+003	-5.5077e+002	-6.6356e+003	9.0990e+004	7.2057e+005
	1.7084e+004	-6.0049e+003	-5.5077e+002	-6.6356e+003	-8.5256e+004	-1.2010e+006
134	9.7997e+003	-1.8853e+003	-8.3674e+002	5.9418e+004	5.7562e+004	3.0963e+005
	9.7997e+003	-1.8853e+003	-8.3674e+002	5.9418e+004	-1.9555e+005	-2.6068e+005
135	1.8989e+004	-2.2150e+003	-2.2902e+002	-1.1794e+004	2.4634e+004	3.0047e+005
	1.8989e+004	-2.2150e+003	-2.2902e+002	-1.1794e+004	-4.8652e+004	-4.0834e+005
136	1.1306e+004	7.3907e+001	-7.2822e+002	-1.2963e+004	1.1694e+005	5.4555e+004
	1.1306e+004	7.3907e+001	-7.2822e+002	-1.2963e+004	-1.2572e+005	7.9181e+004
137	3.0127e+004	3.3612e+002	1.4892e+002	-1.1794e+004	-5.5008e+004	-1.2945e+005
	3.0127e+004	3.3612e+002	1.4892e+002	-1.1794e+004	-7.3544e+003	-2.1893e+004
155	3.5825e+003	-9.0735e+001	8.0987e+000	-5.6815e+004	5.6889e+003	4.9489e+004
	3.5825e+003	-9.0735e+001	8.0987e+000	-5.6815e+004	1.0710e+004	-6.7671e+003
156	5.2628e+003	7.1998e+002	-2.0480e+001	5.3768e+004	9.4801e+003	-2.4577e+005
	5.2628e+003	7.1998e+002	-2.0480e+001	5.3768e+004	-5.2656e+003	2.7262e+005
174	1.6311e+004	6.7973e+001	2.6846e+000	-1.6168e+004	-9.3907e+002	-4.2143e+004
	1.6311e+004	6.7973e+001	2.6846e+000	-1.6168e+004	7.2536e+002	0.0000e+000
175	1.8241e+004	-3.4672e+002	6.7906e+001	4.2150e+004	-2.4605e+004	9.8864e+004
	1.8241e+004	-3.4672e+002	6.7906e+001	4.2150e+004	2.4287e+004	-1.5077e+005
193	1.9372e+004	1.1155e+002	-4.2541e+001	-4.9777e+003	1.1344e+004	-6.9159e+004

	1.9372e+004	1.1155e+002	-4.2541e+001	-4.9777e+003	-1.5032e+004	0.0000e+000
194	2.0311e+004	-4.5035e+002	7.5280e+001	1.2243e+004	-4.7632e+003	1.4375e+005
	2.0311e+004	-4.5035e+002	7.5280e+001	1.2243e+004	4.9438e+004	-1.8050e+005
212	1.9890e+004	1.3469e+002	-8.2820e+001	-6.9926e+002	2.2883e+004	-8.3505e+004
	1.9890e+004	1.3469e+002	-8.2820e+001	-6.9926e+002	-2.8465e+004	0.0000e+000
213	2.1288e+004	-4.6428e+002	-3.7398e+001	5.1217e+002	2.9676e+004	1.6640e+005
	2.1288e+004	-4.6428e+002	-3.7398e+001	5.1217e+002	2.7495e+003	-1.6789e+005
221	2.0014e+004	1.0829e+003	-2.9108e+002	1.0252e+004	8.6079e+004	-3.5355e+005
	2.0014e+004	1.0829e+003	-2.9108e+002	1.0252e+004	-9.4390e+004	3.1785e+005
241	1.7843e+004	4.4340e+002	-6.5939e+000	4.2692e+004	6.8569e+003	-1.3955e+005
	1.7843e+004	4.4340e+002	-6.5939e+000	4.2692e+004	2.7687e+003	1.3536e+005
266	3.0176e+003	-1.9562e+002	2.8294e+002	5.4748e+004	-9.1085e+004	5.9869e+004
	3.0176e+003	-1.9562e+002	2.8294e+002	5.4748e+004	8.4336e+004	-6.1413e+004

Condizione "(1) Qk1"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	-1.5524e+002	1.2424e+002	-3.0113e+001	-2.9587e+003	1.2600e+004	-4.1864e+004
	-1.5524e+002	1.2424e+002	-3.0113e+001	-2.9587e+003	-6.1454e+003	3.5474e+004
4	-8.7911e+001	1.8037e+002	-1.7668e+001	-2.7496e+003	7.9855e+003	-6.0313e+004
	-8.7911e+001	1.8037e+002	-1.7668e+001	-2.7496e+003	-3.5556e+003	5.7506e+004
96	1.7638e+004	-1.6675e+003	-3.4445e+002	-9.7085e+002	1.4081e+005	1.8817e+005
	1.7638e+004	-1.6675e+003	-3.4445e+002	-9.7085e+002	3.0591e+004	-3.4542e+005
119	8.1975e+002	3.1077e+002	1.4593e+003	-4.1142e+003	-2.2895e+005	-1.8192e+005
	8.1975e+002	3.1077e+002	1.4593e+003	-4.1142e+003	3.5476e+005	-5.7613e+004
120	5.5485e+003	4.6451e+003	2.4457e+003	-5.9622e+003	-6.3811e+005	-8.3431e+005
	5.5485e+003	4.6451e+003	2.4457e+003	-5.9622e+003	1.4453e+005	6.5214e+005
121	-1.4795e+003	3.8844e+003	1.3091e+003	-2.5398e+003	-2.2807e+005	-1.4233e+006
	-1.4795e+003	3.8844e+003	1.3091e+003	-2.5398e+003	2.9556e+005	1.3047e+005
122	5.2897e+004	1.5675e+004	1.7050e+003	-6.4421e+003	-4.4131e+005	-2.2428e+006
	5.2897e+004	1.5675e+004	1.7050e+003	-6.4421e+003	1.0428e+005	2.7733e+006
123	1.3836e+003	4.7094e+003	1.1786e+002	2.2091e+003	-1.8050e+004	-1.3666e+006
	1.3836e+003	4.7094e+003	1.1786e+002	2.2091e+003	2.9096e+004	5.1715e+005
124	3.8196e+004	8.2310e+003	4.9415e+002	-6.4421e+003	-1.3929e+005	-8.8240e+005
	3.8196e+004	8.2310e+003	4.9415e+002	-6.4421e+003	1.8837e+004	1.7515e+006
130	4.4064e+004	1.5913e+003	1.2517e+002	-9.7085e+002	7.7409e+004	-2.3696e+005
	4.4064e+004	1.5913e+003	1.2517e+002	-9.7085e+002	1.1746e+005	2.7224e+005
132	1.7752e+005	7.4325e+003	-2.5893e+002	-2.2340e+003	6.8804e+003	-9.9464e+005
	1.7752e+005	7.4325e+003	-2.5893e+002	-2.2340e+003	-7.5977e+004	1.3838e+006
133	8.3747e+004	-2.4762e+004	-1.2323e+003	-2.2340e+003	1.6733e+005	3.0389e+006
	8.3747e+004	-2.4762e+004	-1.2323e+003	-2.2340e+003	-2.2700e+005	-4.8848e+006
134	-1.2605e+003	-6.7571e+003	-4.2781e+002	-4.3384e+003	1.2490e+005	1.2449e+006
	-1.2605e+003	-6.7571e+003	-4.2781e+002	-4.3384e+003	-4.5074e+003	-7.9912e+005
135	3.1646e+004	-7.8649e+003	-6.1907e+002	-3.9707e+003	1.7003e+004	1.0701e+006
	3.1646e+004	-7.8649e+003	-6.1907e+002	-3.9707e+003	-1.8110e+005	-1.4467e+006
136	-2.5765e+003	-2.4638e+002	-7.4576e+002	-3.5217e+003	2.1382e+005	1.6151e+005
	-2.5765e+003	-2.4638e+002	-7.4576e+002	-3.5217e+003	-3.4672e+004	7.9413e+004
137	6.5400e+004	-1.3802e+003	-6.0266e+002	-3.9707e+003	-4.0469e+004	8.1715e+004
	6.5400e+004	-1.3802e+003	-6.0266e+002	-3.9707e+003	-2.3332e+005	-3.5996e+005
155	-6.9241e+001	2.2868e+001	-1.0625e+002	-4.1337e+003	3.8417e+004	-5.8306e+002
	-6.9241e+001	2.2868e+001	-1.0625e+002	-4.1337e+003	-2.7459e+004	1.3595e+004
156	8.9114e+001	1.4197e+002	-3.5638e+001	-3.6575e+003	1.4945e+004	-5.9436e+004
	8.9114e+001	1.4197e+002	-3.5638e+001	-3.6575e+003	-1.0715e+004	4.2783e+004
174	8.8104e+000	-4.0235e+001	-9.3176e+001	-1.3954e+003	2.9454e+004	2.4946e+004
	8.8104e+000	-4.0235e+001	-9.3176e+001	-1.3954e+003	-2.8315e+004	0.0000e+000
175	-4.9788e+001	4.9664e+001	-1.4755e+002	-3.6121e+003	6.3167e+004	-3.5057e+004
	-4.9788e+001	4.9664e+001	-1.4755e+002	-3.6121e+003	-4.3067e+004	7.0131e+002

193	4.8465e+001	-9.2462e+001	-7.2060e+001	-1.5507e+003	2.3455e+004	5.7326e+004
	4.8465e+001	-9.2462e+001	-7.2060e+001	-1.5507e+003	-2.1223e+004	0.0000e+000
194	4.7094e+000	9.5422e+001	-1.5417e+002	-3.1019e+003	6.5141e+004	-6.9763e+004
	4.7094e+000	9.5422e+001	-1.5417e+002	-3.1019e+003	-4.5860e+004	-1.0588e+003
212	2.2186e+002	-1.7278e+002	2.2408e+001	-1.8565e+003	-7.4554e+003	1.0713e+005
	2.2186e+002	-1.7278e+002	2.2408e+001	-1.8565e+003	6.4373e+003	0.0000e+000
213	3.5821e+002	1.7931e+002	1.7444e+002	-3.2674e+003	-7.3601e+004	-1.2887e+005
	3.5821e+002	1.7931e+002	1.7444e+002	-3.2674e+003	5.1993e+004	2.2895e+002
221	-2.5632e+002	-6.4636e+002	-8.9396e+001	-6.1230e+003	3.6525e+004	3.8614e+005
	-2.5632e+002	-6.4636e+002	-8.9396e+001	-6.1230e+003	-1.8901e+004	-1.4601e+004
241	-1.1444e+002	-1.0077e+003	-7.0329e+002	-6.0964e+003	2.7132e+005	5.3140e+005
	-1.1444e+002	-1.0077e+003	-7.0329e+002	-6.0964e+003	-1.6472e+005	-9.3393e+004
266	3.1150e+003	-7.3530e+002	-4.6017e+002	-6.2933e+003	1.7932e+005	2.3529e+005
	3.1150e+003	-7.3530e+002	-4.6017e+002	-6.2933e+003	-1.0599e+005	-2.2060e+005

Condizione "(1) Qk2"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	1.4636e+004	-6.2032e+002	2.4840e+002	-3.7069e+004	-6.8390e+004	1.5032e+005
	1.4636e+004	-6.2032e+002	2.4840e+002	-3.7069e+004	8.6238e+004	-2.3583e+005
4	1.9883e+004	7.9256e+002	2.7439e+002	1.7492e+004	-8.0271e+004	-2.5615e+005
	1.9883e+004	7.9256e+002	2.7439e+002	1.7492e+004	9.8962e+004	2.6156e+005
96	-2.2497e+002	-2.1655e+002	-2.3645e+002	-4.3881e+003	5.5942e+004	3.4017e+004
	-2.2497e+002	-2.1655e+002	-2.3645e+002	-4.3881e+003	-1.9723e+004	-3.5279e+004
119	3.5917e+004	-1.9150e+003	-6.0901e+000	-1.2904e+004	1.8369e+004	4.8337e+005
	3.5917e+004	-1.9150e+003	-6.0901e+000	-1.2904e+004	1.5933e+004	-2.8264e+005
120	3.4366e+004	-1.4318e+003	-1.0302e+002	-2.2050e+004	5.1631e+004	4.2457e+005
	3.4366e+004	-1.4318e+003	-1.0302e+002	-2.2050e+004	1.8663e+004	-3.3605e+004
121	3.2062e+004	-1.6694e+003	6.1818e+002	-1.1436e+005	-1.5934e+005	4.2725e+005
	3.2062e+004	-1.6694e+003	6.1818e+002	-1.1436e+005	8.7933e+004	-2.4050e+005
122	3.0621e+004	-9.4041e+002	-5.3030e+002	-2.9117e+004	5.7927e+004	2.7901e+005
	3.0621e+004	-9.4041e+002	-5.3030e+002	-2.9117e+004	-1.1177e+005	-2.1927e+004
123	7.6535e+003	8.5104e+002	4.1391e+002	-1.4293e+005	-8.1052e+004	2.6260e+003
	7.6535e+003	8.5104e+002	4.1391e+002	-1.4293e+005	8.4511e+004	3.4304e+005
124	7.9225e+003	8.9039e+002	-2.5128e+001	-2.9117e+004	-2.2539e+004	-1.7608e+005
	7.9225e+003	8.9039e+002	-2.5128e+001	-2.9117e+004	-3.0580e+004	1.0884e+005
130	1.6095e+003	-9.4422e+002	-2.3328e+002	-4.3881e+003	4.4368e+004	1.4657e+005
	1.6095e+003	-9.4422e+002	-2.3328e+002	-4.3881e+003	-3.0281e+004	-1.5558e+005
132	1.9502e+003	-1.6575e+003	-1.2045e+002	-1.0098e+004	2.4202e+004	2.7404e+005
	1.9502e+003	-1.6575e+003	-1.2045e+002	-1.0098e+004	-1.4340e+004	-2.5636e+005
133	-3.5746e+002	2.5401e+002	-4.6558e+002	-1.0098e+004	9.0368e+004	-7.1209e+004
	-3.5746e+002	2.5401e+002	-4.6558e+002	-1.0098e+004	-5.8618e+004	1.0075e+004
134	1.7920e+004	-3.4684e+002	-1.3785e+003	1.0644e+005	6.4043e+004	-3.1871e+004
	1.7920e+004	-3.4684e+002	-1.3785e+003	1.0644e+005	-3.5296e+005	-1.3679e+005
135	1.8054e+004	-1.8525e+002	-1.3204e+002	-1.7947e+004	3.8022e+004	4.9378e+004
	1.8054e+004	-1.8525e+002	-1.3204e+002	-1.7947e+004	-4.2305e+003	-9.9031e+003
136	2.1400e+004	4.1450e+001	-9.6020e+002	-2.2540e+004	1.1145e+005	4.2497e+004
	2.1400e+004	4.1450e+001	-9.6020e+002	-2.2540e+004	-2.0851e+005	5.6309e+004
137	2.1012e+004	1.1926e+003	5.3351e+002	-1.7947e+004	-7.3312e+004	-2.4239e+005
	2.1012e+004	1.1926e+003	5.3351e+002	-1.7947e+004	9.7412e+004	1.3924e+005
155	6.5924e+003	-3.0731e+002	6.8444e+001	-9.8714e+004	-9.3769e+003	1.3525e+005
	6.5924e+003	-3.0731e+002	6.8444e+001	-9.8714e+004	3.3058e+004	-5.5284e+004
156	8.1953e+003	1.2389e+003	-1.0680e+001	9.7460e+004	5.4673e+003	-4.0849e+005
	8.1953e+003	1.2389e+003	-1.0680e+001	9.7460e+004	-2.2224e+003	4.8351e+005
174	2.8973e+004	1.2483e+002	5.6116e+001	-2.7998e+004	-1.7948e+004	-7.7392e+004
	2.8973e+004	1.2483e+002	5.6116e+001	-2.7998e+004	1.6844e+004	0.0000e+000
175	3.0438e+004	-4.8345e+002	2.1181e+002	7.6810e+004	-8.2690e+004	1.6211e+005

	3.0438e+004	-4.8345e+002	2.1181e+002	7.6810e+004	6.9816e+004	-1.8598e+005
193	3.4408e+004	2.1463e+002	-2.0423e+001	-8.0940e+003	2.4320e+003	-1.3307e+005
	3.4408e+004	2.1463e+002	-2.0423e+001	-8.0940e+003	-1.0230e+004	0.0000e+000
194	3.4094e+004	-6.6272e+002	2.3850e+002	2.3473e+004	-5.3371e+004	2.5270e+005
	3.4094e+004	-6.6272e+002	2.3850e+002	2.3473e+004	1.1835e+005	-2.2446e+005
212	3.5319e+004	2.7470e+002	-1.0084e+002	-4.1621e+002	2.6032e+004	-1.7032e+005
	3.5319e+004	2.7470e+002	-1.0084e+002	-4.1621e+002	-3.6491e+004	0.0000e+000
213	3.5650e+004	-7.1857e+002	-1.0485e+002	2.7060e+003	6.8197e+004	3.1402e+005
	3.5650e+004	-7.1857e+002	-1.0485e+002	2.7060e+003	-7.2924e+003	-2.0336e+005
221	3.5503e+004	2.0466e+003	-3.8963e+002	2.1115e+004	1.0343e+005	-7.0840e+005
	3.5503e+004	2.0466e+003	-3.8963e+002	2.1115e+004	-1.3814e+005	5.6051e+005
241	3.1711e+004	1.1943e+003	1.9488e+002	7.8916e+004	-6.8020e+004	-4.5750e+005
	3.1711e+004	1.1943e+003	1.9488e+002	7.8916e+004	5.2808e+004	2.8297e+005
266	4.1073e+003	-5.5439e+001	6.4662e+002	1.0036e+005	-2.1402e+005	1.3491e+004
	4.1073e+003	-5.5439e+001	6.4662e+002	1.0036e+005	1.8689e+005	-2.0881e+004

Condizione "(1) Qk3"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	9.1495e+003	-3.8776e+002	1.5524e+002	-2.3169e+004	-4.2737e+004	9.3968e+004
	9.1495e+003	-3.8776e+002	1.5524e+002	-2.3169e+004	5.3897e+004	-1.4742e+005
4	1.2430e+004	4.9540e+002	1.7148e+002	1.0933e+004	-5.0164e+004	-1.6011e+005
	1.2430e+004	4.9540e+002	1.7148e+002	1.0933e+004	6.1849e+004	1.6349e+005
96	-1.4062e+002	-1.3535e+002	-1.4779e+002	-2.7427e+003	3.4965e+004	2.1262e+004
	-1.4062e+002	-1.3535e+002	-1.4779e+002	-2.7427e+003	-1.2328e+004	-2.2051e+004
119	2.2451e+004	-1.1970e+003	-3.7227e+000	-8.0649e+003	1.1480e+004	3.0213e+005
	2.2451e+004	-1.1970e+003	-3.7227e+000	-8.0649e+003	9.9907e+003	-1.7667e+005
120	2.1482e+004	-8.9496e+002	-6.4330e+001	-1.3782e+004	3.2249e+004	2.6538e+005
	2.1482e+004	-8.9496e+002	-6.4330e+001	-1.3782e+004	1.1663e+004	-2.1005e+004
121	2.0039e+004	-1.0434e+003	3.8637e+002	-7.1479e+004	-9.9595e+004	2.6704e+005
	2.0039e+004	-1.0434e+003	3.8637e+002	-7.1479e+004	5.4955e+004	-1.5032e+005
122	1.9138e+004	-5.8780e+002	-3.3148e+002	-1.8200e+004	3.6212e+004	1.7439e+005
	1.9138e+004	-5.8780e+002	-3.3148e+002	-1.8200e+004	-6.9861e+004	-1.3706e+004
123	4.7834e+003	5.3191e+002	2.5871e+002	-8.9336e+004	-5.0661e+004	1.6420e+003
	4.7834e+003	5.3191e+002	2.5871e+002	-8.9336e+004	5.2821e+004	2.1441e+005
124	4.9515e+003	5.5654e+002	-1.5695e+001	-1.8200e+004	-1.4090e+004	-1.1006e+005
	4.9515e+003	5.5654e+002	-1.5695e+001	-1.8200e+004	-1.9112e+004	6.8031e+004
130	1.0061e+003	-5.9018e+002	-1.4580e+002	-2.7427e+003	2.7731e+004	9.1614e+004
	1.0061e+003	-5.9018e+002	-1.4580e+002	-2.7427e+003	-1.8926e+004	-9.7244e+004
132	1.2189e+003	-1.0360e+003	-7.5278e+001	-6.3114e+003	1.5126e+004	1.7129e+005
	1.2189e+003	-1.0360e+003	-7.5278e+001	-6.3114e+003	-8.9624e+003	-1.6023e+005
133	-2.2342e+002	1.5876e+002	-2.9101e+002	-6.3114e+003	5.6483e+004	-4.4506e+004
	-2.2342e+002	1.5876e+002	-2.9101e+002	-6.3114e+003	-3.6639e+004	6.2964e+003
134	1.1200e+004	-2.1679e+002	-8.6163e+002	6.6526e+004	4.0028e+004	-1.9919e+004
	1.1200e+004	-2.1679e+002	-8.6163e+002	6.6526e+004	-2.2062e+005	-8.5497e+004
135	1.1284e+004	-1.1578e+002	-8.2540e+001	-1.1218e+004	2.3767e+004	3.0862e+004
	1.1284e+004	-1.1578e+002	-8.2540e+001	-1.1218e+004	-2.6457e+003	-6.1885e+003
136	1.3375e+004	2.5917e+001	-6.0018e+002	-1.4088e+004	6.9659e+004	2.6561e+004
	1.3375e+004	2.5917e+001	-6.0018e+002	-1.4088e+004	-1.3033e+005	3.5196e+004
137	1.3132e+004	7.4540e+002	3.3346e+002	-1.1218e+004	-4.5821e+004	-1.5150e+005
	1.3132e+004	7.4540e+002	3.3346e+002	-1.1218e+004	6.0886e+004	8.7027e+004
155	4.1216e+003	-1.9214e+002	4.2730e+001	-6.1696e+004	-5.8424e+003	8.4552e+004
	4.1216e+003	-1.9214e+002	4.2730e+001	-6.1696e+004	2.0650e+004	-3.4577e+004
156	5.1237e+003	7.7443e+002	-6.7155e+000	6.0913e+004	3.4345e+003	-2.5534e+005
	5.1237e+003	7.7443e+002	-6.7155e+000	6.0913e+004	-1.4006e+003	3.0225e+005
174	1.8108e+004	7.8016e+001	3.5061e+001	-1.7499e+004	-1.1214e+004	-4.8370e+004
	1.8108e+004	7.8016e+001	3.5061e+001	-1.7499e+004	1.0524e+004	0.0000e+000

175	1.9024e+004	-3.0215e+002	1.3234e+002	4.8007e+004	-5.1664e+004	1.0132e+005
	1.9024e+004	-3.0215e+002	1.3234e+002	4.8007e+004	4.3622e+004	-1.1623e+005
193	2.1505e+004	1.3414e+002	-1.2753e+001	-5.0593e+003	1.5163e+003	-8.3169e+004
	2.1505e+004	1.3414e+002	-1.2753e+001	-5.0593e+003	-6.3904e+003	0.0000e+000
194	2.1309e+004	-4.1420e+002	1.4909e+002	1.4672e+004	-3.3372e+004	1.5794e+005
	2.1309e+004	-4.1420e+002	1.4909e+002	1.4672e+004	7.3976e+004	-1.4029e+005
212	2.2075e+004	1.7170e+002	-6.2999e+001	-2.6151e+002	1.6262e+004	-1.0645e+005
	2.2075e+004	1.7170e+002	-6.2999e+001	-2.6151e+002	-2.2797e+004	0.0000e+000
213	2.2282e+004	-4.4912e+002	-6.5475e+001	1.6953e+003	4.2596e+004	1.9627e+005
	2.2282e+004	-4.4912e+002	-6.5475e+001	1.6953e+003	-4.5453e+003	-1.2710e+005
221	2.2192e+004	1.2792e+003	-2.4353e+002	1.3197e+004	6.4638e+004	-4.4279e+005
	2.2192e+004	1.2792e+003	-2.4353e+002	1.3197e+004	-8.6353e+004	3.5034e+005
241	1.9820e+004	7.4648e+002	1.2182e+002	4.9327e+004	-4.2517e+004	-2.8595e+005
	1.9820e+004	7.4648e+002	1.2182e+002	4.9327e+004	3.3010e+004	1.7686e+005
266	2.5670e+003	-3.4653e+001	4.0417e+002	6.2729e+004	-1.3377e+005	8.4334e+003
	2.5670e+003	-3.4653e+001	4.0417e+002	6.2729e+004	1.1681e+005	-1.3052e+004

Condizione "(1) Torcente di piano SLO"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	-5.9426e+001	-1.5796e+002	-6.8650e+000	-2.5261e+003	2.7676e+003	5.0791e+004
	-5.9426e+001	-1.5796e+002	-6.8650e+000	-2.5261e+003	-1.5058e+003	-4.7539e+004
4	2.5922e+001	-1.5255e+002	6.5032e+000	-2.3222e+003	-2.6340e+003	5.1895e+004
	2.5922e+001	-1.5255e+002	6.5032e+000	-2.3222e+003	1.6140e+003	-4.7753e+004
96	4.7147e+002	-7.0229e+002	-2.8213e+002	-7.5654e+003	6.2875e+004	1.1892e+005
	4.7147e+002	-7.0229e+002	-2.8213e+002	-7.5654e+003	-2.7407e+004	-1.0581e+005
119	-1.5988e+002	9.2231e+002	-4.9973e+002	9.9712e+003	1.5905e+005	-3.1674e+005
	-1.5988e+002	9.2231e+002	-4.9973e+002	9.9712e+003	-4.0843e+004	5.2188e+004
120	-2.6319e+002	-2.5862e+003	1.5349e+003	-2.2149e+004	-2.8312e+005	4.3171e+005
	-2.6319e+002	-2.5862e+003	1.5349e+003	-2.2149e+004	2.0806e+005	-3.9586e+005
121	6.8763e+001	3.3570e+002	-4.7511e+002	3.1573e+004	1.6175e+005	-1.3166e+005
	6.8763e+001	3.3570e+002	-4.7511e+002	3.1573e+004	-2.8298e+004	2.6165e+003
122	-1.8844e+000	-9.4146e+002	1.9791e+003	-5.0201e+004	-3.6563e+005	1.4923e+005
	-1.8844e+000	-9.4146e+002	1.9791e+003	-5.0201e+004	2.6769e+005	-1.5203e+005
123	6.2190e+001	-4.9183e+002	-1.6243e+002	3.1378e+004	4.2125e+004	1.7765e+005
	6.2190e+001	-4.9183e+002	-1.6243e+002	3.1378e+004	-2.2849e+004	-1.9079e+004
124	2.3837e+002	2.2036e+003	6.9435e+002	-5.0201e+004	-1.2734e+005	-4.2934e+005
	2.3837e+002	2.2036e+003	6.9435e+002	-5.0201e+004	9.4849e+004	2.7582e+005
130	-3.9126e+002	-7.7575e+002	-2.1480e+002	-7.5654e+003	3.7144e+004	1.2634e+005
	-3.9126e+002	-7.7575e+002	-2.1480e+002	-7.5654e+003	-3.1593e+004	-1.2190e+005
132	-8.7085e+001	-7.7605e+002	-3.6767e+002	-1.7409e+004	5.9871e+004	1.3500e+005
	-8.7085e+001	-7.7605e+002	-3.6767e+002	-1.7409e+004	-5.7782e+004	-1.1333e+005
133	2.9587e+001	-6.7677e+002	-8.5096e+002	-1.7409e+004	1.4841e+005	1.2675e+005
	2.9587e+001	-6.7677e+002	-8.5096e+002	-1.7409e+004	-1.2390e+005	-8.9813e+004
134	1.1385e+002	-2.7024e+002	1.1489e+003	2.9165e+004	-2.2655e+005	1.3872e+005
	1.1385e+002	-2.7024e+002	1.1489e+003	2.9165e+004	1.2098e+005	5.6968e+004
135	-2.2065e+001	2.1440e+003	-1.6598e+003	-3.0942e+004	2.5224e+005	-4.3134e+005
	-2.2065e+001	2.1440e+003	-1.6598e+003	-3.0942e+004	-2.7891e+005	2.5476e+005
136	1.0168e+002	-2.3122e+002	2.8859e+002	2.8011e+004	-7.7117e+004	1.1046e+005
	1.0168e+002	-2.3122e+002	2.8859e+002	2.8011e+004	1.9044e+004	3.3411e+004
137	2.1266e+002	2.3755e+003	-5.3286e+002	-3.0942e+004	7.5899e+004	-4.5555e+005
	2.1266e+002	2.3755e+003	-5.3286e+002	-3.0942e+004	-9.4616e+004	3.0462e+005
155	1.3578e+002	-1.3529e+002	-4.1054e+001	-4.0376e+003	1.4764e+004	4.5423e+004
	1.3578e+002	-1.3529e+002	-4.1054e+001	-4.0376e+003	-1.0690e+004	-3.8457e+004
156	-5.1652e+001	-9.9501e+001	3.6563e+001	-3.3797e+003	-1.4863e+004	3.9103e+004
	-5.1652e+001	-9.9501e+001	3.6563e+001	-3.3797e+003	1.1462e+004	-3.2538e+004
174	1.9087e+001	-1.2076e+000	-2.7453e+001	-1.3914e+003	8.5782e+003	7.4872e+002

	1.9087e+001	-1.2076e+000	-2.7453e+001	-1.3914e+003	-8.4426e+003	0.0000e+000
175	1.0396e+001	-7.0377e-001	1.0882e+002	-3.2466e+003	-4.8115e+004	-5.7441e+002
	1.0396e+001	-7.0377e-001	1.0882e+002	-3.2466e+003	3.0235e+004	-1.0811e+003
193	3.1901e+000	2.9987e+000	-2.3589e+001	-1.4189e+003	7.5790e+003	-1.8592e+003
	3.1901e+000	2.9987e+000	-2.3589e+001	-1.4189e+003	-7.0459e+003	0.0000e+000
194	1.3430e+001	3.4399e+000	1.1105e+002	-3.3599e+003	-4.7324e+004	-6.5034e+003
	1.3430e+001	3.4399e+000	1.1105e+002	-3.3599e+003	3.2635e+004	-4.0267e+003
212	-8.0779e+000	7.7481e+000	-2.5452e+001	-1.4640e+003	7.9522e+003	-4.8038e+003
	-8.0779e+000	7.7481e+000	-2.5452e+001	-1.4640e+003	-7.8279e+003	0.0000e+000
213	-7.5306e+001	-3.5661e+001	7.9526e+001	-3.1332e+003	-3.7586e+004	-3.5621e+003
	-7.5306e+001	-3.5661e+001	7.9526e+001	-3.1332e+003	1.9672e+004	-2.9238e+004
221	-9.0946e+000	2.8643e+001	-1.2175e+002	-4.3474e+003	4.5872e+004	-1.7232e+004
	-9.0946e+000	2.8643e+001	-1.2175e+002	-4.3474e+003	-2.9611e+004	5.2613e+002
241	5.5134e+001	6.9681e+001	-1.4226e+002	-4.6506e+003	5.5100e+004	-3.2388e+004
	5.5134e+001	6.9681e+001	-1.4226e+002	-4.6506e+003	-3.3101e+004	1.0815e+004
266	-2.4599e+002	2.0564e+002	-2.5422e+002	-3.9365e+003	6.7803e+004	-6.6441e+004
	-2.4599e+002	2.0564e+002	-2.5422e+002	-3.9365e+003	-8.9812e+004	6.1057e+004

Condizione "(1) Torcente di piano SLD"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	-7.3625e+001	-1.9570e+002	-8.5054e+000	-3.1296e+003	3.4290e+003	6.2928e+004
	-7.3625e+001	-1.9570e+002	-8.5054e+000	-3.1296e+003	-1.8656e+003	-5.8898e+004
4	3.2115e+001	-1.8900e+002	8.0572e+000	-2.8771e+003	-3.2634e+003	6.4295e+004
	3.2115e+001	-1.8900e+002	8.0572e+000	-2.8771e+003	1.9997e+003	-5.9164e+004
96	5.8412e+002	-8.7010e+002	-3.4955e+002	-9.3732e+003	7.7899e+004	1.4733e+005
	5.8412e+002	-8.7010e+002	-3.4955e+002	-9.3732e+003	-3.3956e+004	-1.3110e+005
119	-1.9809e+002	1.1427e+003	-6.1914e+002	1.2354e+004	1.9705e+005	-3.9242e+005
	-1.9809e+002	1.1427e+003	-6.1914e+002	1.2354e+004	-5.0602e+004	6.4658e+004
120	-3.2608e+002	-3.2041e+003	1.9017e+003	-2.7441e+004	-3.5077e+005	5.3487e+005
	-3.2608e+002	-3.2041e+003	1.9017e+003	-2.7441e+004	2.5778e+005	-4.9045e+005
121	8.5193e+001	4.1592e+002	-5.8864e+002	3.9117e+004	2.0039e+005	-1.6313e+005
	8.5193e+001	4.1592e+002	-5.8864e+002	3.9117e+004	-3.5060e+004	3.2417e+003
122	-2.3347e+000	-1.1664e+003	2.4520e+003	-6.2196e+004	-4.5300e+005	1.8489e+005
	-2.3347e+000	-1.1664e+003	2.4520e+003	-6.2196e+004	3.3165e+005	-1.8836e+005
123	7.7051e+001	-6.0935e+002	-2.0125e+002	3.8876e+004	5.2190e+004	2.2010e+005
	7.7051e+001	-6.0935e+002	-2.0125e+002	3.8876e+004	-2.8308e+004	-2.3637e+004
124	2.9533e+002	2.7302e+003	8.6027e+002	-6.2196e+004	-1.5777e+005	-5.3193e+005
	2.9533e+002	2.7302e+003	8.6027e+002	-6.2196e+004	1.1751e+005	3.4173e+005
130	-4.8475e+002	-9.6112e+002	-2.6613e+002	-9.3732e+003	4.6019e+004	1.5653e+005
	-4.8475e+002	-9.6112e+002	-2.6613e+002	-9.3732e+003	-3.9142e+004	-1.5103e+005
132	-1.0789e+002	-9.6148e+002	-4.5552e+002	-2.1569e+004	7.4176e+004	1.6726e+005
	-1.0789e+002	-9.6148e+002	-4.5552e+002	-2.1569e+004	-7.1589e+004	-1.4041e+005
133	3.6657e+001	-8.3848e+002	-1.0543e+003	-2.1569e+004	1.8387e+005	1.5704e+005
	3.6657e+001	-8.3848e+002	-1.0543e+003	-2.1569e+004	-1.5350e+005	-1.1127e+005
134	1.4106e+002	-3.3482e+002	1.4234e+003	3.6133e+004	-2.8068e+005	1.7186e+005
	1.4106e+002	-3.3482e+002	1.4234e+003	3.6133e+004	1.4989e+005	7.0580e+004
135	-2.7338e+001	2.6564e+003	-2.0564e+003	-3.8336e+004	3.1251e+005	-5.3441e+005
	-2.7338e+001	2.6564e+003	-2.0564e+003	-3.8336e+004	-3.4555e+005	3.1563e+005
136	1.2598e+002	-2.8647e+002	3.5755e+002	3.4704e+004	-9.5544e+004	1.3685e+005
	1.2598e+002	-2.8647e+002	3.5755e+002	3.4704e+004	2.3595e+004	4.1394e+004
137	2.6348e+002	2.9432e+003	-6.6019e+002	-3.8336e+004	9.4035e+004	-5.6440e+005
	2.6348e+002	2.9432e+003	-6.6019e+002	-3.8336e+004	-1.1722e+005	3.7741e+005
155	1.6822e+002	-1.6762e+002	-5.0864e+001	-5.0023e+003	1.8291e+004	5.6277e+004
	1.6822e+002	-1.6762e+002	-5.0864e+001	-5.0023e+003	-1.3244e+004	-4.7646e+004
156	-6.3994e+001	-1.2328e+002	4.5299e+001	-4.1873e+003	-1.8414e+004	4.8446e+004
	-6.3994e+001	-1.2328e+002	4.5299e+001	-4.1873e+003	1.4201e+004	-4.0313e+004

174	2.3648e+001	-1.4962e+000	-3.4013e+001	-1.7239e+003	1.0628e+004	9.2762e+002
	2.3648e+001	-1.4962e+000	-3.4013e+001	-1.7239e+003	-1.0460e+004	0.0000e+000
175	1.2880e+001	-8.7194e-001	1.3482e+002	-4.0224e+003	-5.9613e+004	-7.1167e+002
	1.2880e+001	-8.7194e-001	1.3482e+002	-4.0224e+003	3.7459e+004	-1.3395e+003
193	3.9524e+000	3.7152e+000	-2.9225e+001	-1.7579e+003	9.3900e+003	-2.3034e+003
	3.9524e+000	3.7152e+000	-2.9225e+001	-1.7579e+003	-8.7295e+003	0.0000e+000
194	1.6639e+001	4.2618e+000	1.3759e+002	-4.1628e+003	-5.8631e+004	-8.0574e+003
	1.6639e+001	4.2618e+000	1.3759e+002	-4.1628e+003	4.0433e+004	-4.9889e+003
212	-1.0008e+001	9.5995e+000	-3.1533e+001	-1.8138e+003	9.8523e+003	-5.9517e+003
	-1.0008e+001	9.5995e+000	-3.1533e+001	-1.8138e+003	-9.6984e+003	0.0000e+000
213	-9.3300e+001	-4.4182e+001	9.8528e+001	-3.8819e+003	-4.6568e+004	-4.4132e+003
	-9.3300e+001	-4.4182e+001	9.8528e+001	-3.8819e+003	2.4373e+004	-3.6225e+004
221	-1.1268e+001	3.5487e+001	-1.5084e+002	-5.3862e+003	5.6833e+004	-2.1350e+004
	-1.1268e+001	3.5487e+001	-1.5084e+002	-5.3862e+003	-3.6687e+004	6.5184e+002
241	6.8309e+001	8.6331e+001	-1.7625e+002	-5.7619e+003	6.8266e+004	-4.0126e+004
	6.8309e+001	8.6331e+001	-1.7625e+002	-5.7619e+003	-4.1010e+004	1.3399e+004
266	-3.0476e+002	2.5478e+002	-3.1496e+002	-4.8772e+003	8.4005e+004	-8.2317e+004
	-3.0476e+002	2.5478e+002	-3.1496e+002	-4.8772e+003	-1.1127e+005	7.5647e+004

Condizione "(1) Torcente di piano SLV"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
1	-1.6075e+002	-4.2729e+002	-1.8570e+001	-6.8331e+003	7.4866e+003	1.3739e+005
	-1.6075e+002	-4.2729e+002	-1.8570e+001	-6.8331e+003	-4.0733e+003	-1.2860e+005
4	7.0119e+001	-4.1266e+002	1.7592e+001	-6.2817e+003	-7.1252e+003	1.4038e+005
	7.0119e+001	-4.1266e+002	1.7592e+001	-6.2817e+003	4.3659e+003	-1.2918e+005
96	1.2753e+003	-1.8997e+003	-7.6319e+002	-2.0465e+004	1.7008e+005	3.2168e+005
	1.2753e+003	-1.8997e+003	-7.6319e+002	-2.0465e+004	-7.4138e+004	-2.8623e+005
119	-4.3249e+002	2.4949e+003	-1.3518e+003	2.6973e+004	4.3024e+005	-8.5679e+005
	-4.3249e+002	2.4949e+003	-1.3518e+003	2.6973e+004	-1.1048e+005	1.4117e+005
120	-7.1194e+002	-6.9957e+003	4.1521e+003	-5.9914e+004	-7.6585e+005	1.1678e+006
	-7.1194e+002	-6.9957e+003	4.1521e+003	-5.9914e+004	5.6282e+005	-1.0708e+006
121	1.8601e+002	9.0810e+002	-1.2852e+003	8.5406e+004	4.3753e+005	-3.5616e+005
	1.8601e+002	9.0810e+002	-1.2852e+003	8.5406e+004	-7.6548e+004	7.0778e+003
122	-5.0975e+000	-2.5467e+003	5.3537e+003	-1.3580e+005	-9.8906e+005	4.0369e+005
	-5.0975e+000	-2.5467e+003	5.3537e+003	-1.3580e+005	7.2411e+005	-4.1126e+005
123	1.6823e+002	-1.3304e+003	-4.3939e+002	8.4880e+004	1.1395e+005	4.8057e+005
	1.6823e+002	-1.3304e+003	-4.3939e+002	8.4880e+004	-6.1807e+004	-5.1609e+004
124	6.4480e+002	5.9609e+003	1.8783e+003	-1.3580e+005	-3.4447e+005	-1.1614e+006
	6.4480e+002	5.9609e+003	1.8783e+003	-1.3580e+005	2.5657e+005	7.4612e+005
130	-1.0584e+003	-2.0985e+003	-5.8105e+002	-2.0465e+004	1.0048e+005	3.4175e+005
	-1.0584e+003	-2.0985e+003	-5.8105e+002	-2.0465e+004	-8.5461e+004	-3.2975e+005
132	-2.3557e+002	-2.0993e+003	-9.9456e+002	-4.7092e+004	1.6195e+005	3.6519e+005
	-2.3557e+002	-2.0993e+003	-9.9456e+002	-4.7092e+004	-1.5630e+005	-3.0657e+005
133	8.0035e+001	-1.8307e+003	-2.3019e+003	-4.7092e+004	4.0146e+005	3.4287e+005
	8.0035e+001	-1.8307e+003	-2.3019e+003	-4.7092e+004	-3.3515e+005	-2.4295e+005
134	3.0798e+002	-7.3102e+002	3.1077e+003	7.8892e+004	-6.1283e+005	3.7524e+005
	3.0798e+002	-7.3102e+002	3.1077e+003	7.8892e+004	3.2726e+005	1.5410e+005
135	-5.9688e+001	5.7998e+003	-4.4899e+003	-8.3700e+004	6.8232e+005	-1.1668e+006
	-5.9688e+001	5.7998e+003	-4.4899e+003	-8.3700e+004	-7.5447e+005	6.8913e+005
136	2.7505e+002	-6.2546e+002	7.8065e+002	7.5772e+004	-2.0861e+005	2.9879e+005
	2.7505e+002	-6.2546e+002	7.8065e+002	7.5772e+004	5.1516e+004	9.0378e+004
137	5.7526e+002	6.4259e+003	-1.4414e+003	-8.3700e+004	2.0531e+005	-1.2323e+006
	5.7526e+002	6.4259e+003	-1.4414e+003	-8.3700e+004	-2.5594e+005	8.2402e+005
155	3.6729e+002	-3.6597e+002	-1.1105e+002	-1.0922e+004	3.9937e+004	1.2287e+005
	3.6729e+002	-3.6597e+002	-1.1105e+002	-1.0922e+004	-2.8917e+004	-1.0403e+005
156	-1.3972e+002	-2.6916e+002	9.8904e+001	-9.1423e+003	-4.0204e+004	1.0577e+005

	-1.3972e+002	-2.6916e+002	9.8904e+001	-9.1423e+003	3.1007e+004	-8.8018e+004
174	5.1631e+001	-3.2666e+000	-7.4262e+001	-3.7639e+003	2.3205e+004	2.0253e+003
	5.1631e+001	-3.2666e+000	-7.4262e+001	-3.7639e+003	-2.2838e+004	0.0000e+000
175	2.8122e+001	-1.9037e+000	2.9436e+002	-8.7823e+003	-1.3016e+005	-1.5538e+003
	2.8122e+001	-1.9037e+000	2.9436e+002	-8.7823e+003	8.1786e+004	-2.9245e+003
193	8.6294e+000	8.1115e+000	-6.3808e+001	-3.8381e+003	2.0502e+004	-5.0292e+003
	8.6294e+000	8.1115e+000	-6.3808e+001	-3.8381e+003	-1.9059e+004	0.0000e+000
194	3.6329e+001	9.3051e+000	3.0041e+002	-9.0888e+003	-1.2801e+005	-1.7592e+004
	3.6329e+001	9.3051e+000	3.0041e+002	-9.0888e+003	8.8280e+004	-1.0892e+004
212	-2.1851e+001	2.0959e+001	-6.8849e+001	-3.9601e+003	2.1511e+004	-1.2995e+004
	-2.1851e+001	2.0959e+001	-6.8849e+001	-3.9601e+003	-2.1175e+004	0.0000e+000
213	-2.0371e+002	-9.6466e+001	2.1512e+002	-8.4756e+003	-1.0167e+005	-9.6356e+003
	-2.0371e+002	-9.6466e+001	2.1512e+002	-8.4756e+003	5.3214e+004	-7.9091e+004
221	-2.4601e+001	7.7480e+001	-3.2933e+002	-1.1760e+004	1.2409e+005	-4.6615e+004
	-2.4601e+001	7.7480e+001	-3.2933e+002	-1.1760e+004	-8.0100e+004	1.4232e+003
241	1.4914e+002	1.8849e+002	-3.8482e+002	-1.2580e+004	1.4905e+005	-8.7610e+004
	1.4914e+002	1.8849e+002	-3.8482e+002	-1.2580e+004	-8.9539e+004	2.9255e+004
266	-6.6540e+002	5.5627e+002	-6.8768e+002	-1.0649e+004	1.8341e+005	-1.7973e+005
	-6.6540e+002	5.5627e+002	-6.8768e+002	-1.0649e+004	-2.4295e+005	1.6516e+005

Armatura longitudinale negli elementi

Elemento	Area (cm2)	Y (cm)	Z (cm)	Ascissa iniz. (cm)	Lunghezza (cm)
1	3.14	25.70	-8.20	0.00	622.50
	3.14	25.70	-8.20	0.00	80.00
	3.14	9.07	-8.20	0.00	622.50
	3.14	9.07	-8.20	0.00	80.00
	3.14	-8.60	-8.20	0.00	622.50
	3.14	-8.60	-8.20	0.00	80.00
	3.14	-25.70	-8.20	0.00	622.50
	3.14	-25.70	-8.20	0.00	80.00
	3.14	-25.70	8.20	0.00	622.50
	3.14	-25.70	8.20	0.00	80.00
	3.14	-8.14	8.20	0.00	622.50
	3.14	-8.14	8.20	0.00	80.00
	3.14	9.07	8.20	0.00	622.50
	3.14	9.07	8.20	0.00	80.00
	3.14	25.70	8.20	0.00	622.50
	3.14	25.70	8.20	0.00	80.00
	3.14	-25.70	-4.10	434.77	187.73
	3.14	-25.70	-4.10	0.00	218.85
	3.14	-25.70	-4.10	0.00	80.00
	3.14	-25.70	0.00	434.77	187.73
	3.14	-25.70	0.00	0.00	218.85
	3.14	-25.70	0.00	0.00	80.00
	3.14	-25.70	4.10	434.77	187.73
	3.14	-25.70	4.10	0.00	218.85
	3.14	-25.70	4.10	0.00	80.00
	3.14	25.70	4.10	434.77	187.73
	3.14	25.70	4.10	0.00	218.85
	3.14	25.70	4.10	0.00	80.00
	3.14	25.70	0.00	434.77	187.73
	3.14	25.70	0.00	0.00	218.85
	3.14	25.70	0.00	0.00	80.00
	3.14	25.70	-4.10	434.77	187.73
	3.14	25.70	-4.10	0.00	218.85
	3.14	25.70	-4.10	0.00	80.00
4	3.14	25.70	-4.10	456.22	196.99
	3.14	25.70	-4.10	0.00	229.65
	3.14	25.70	-4.10	0.00	83.95
	3.14	25.70	0.00	456.22	196.99
	3.14	25.70	0.00	0.00	229.65
	3.14	25.70	0.00	0.00	83.95
	3.14	25.70	4.10	456.22	196.99
	3.14	25.70	4.10	0.00	229.65

	3.14	25.70	4.10	0.00	83.95
	3.14	-25.70	4.10	456.22	196.99
	3.14	-25.70	4.10	0.00	229.65
	3.14	-25.70	4.10	0.00	83.95
	3.14	-25.70	0.00	456.22	196.99
	3.14	-25.70	0.00	0.00	229.65
	3.14	-25.70	0.00	0.00	83.95
	3.14	-25.70	-4.10	456.22	196.99
	3.14	-25.70	-4.10	0.00	229.65
	3.14	-25.70	-4.10	0.00	83.95
	3.14	25.70	8.20	0.00	83.95
	3.14	9.07	8.20	0.00	83.95
	3.14	-8.14	8.20	0.00	83.95
	3.14	-25.70	8.20	0.00	83.95
	3.14	-25.70	-8.20	0.00	83.95
	3.14	-8.60	-8.20	0.00	83.95
	3.14	9.07	-8.20	0.00	83.95
	3.14	25.70	-8.20	0.00	83.95
96	2.01	8.20	0.00	0.00	65.00
	2.01	0.00	8.20	0.00	65.00
	2.01	-8.20	0.00	0.00	65.00
	2.01	0.00	-8.20	0.00	65.00
	3.14	8.20	8.20	0.00	65.00
	3.14	8.20	8.20	1.00	319.00
	3.14	-8.20	8.20	0.00	65.00
	3.14	-8.20	8.20	1.00	319.00
	3.14	-8.20	-8.20	0.00	65.00
	3.14	-8.20	-8.20	1.00	319.00
	3.14	8.20	-8.20	0.00	65.00
	3.14	8.20	-8.20	1.00	319.00
119	3.14	5.40	25.70	0.00	125.25
	3.14	5.20	-25.70	0.00	88.61
	3.14	0.00	25.70	304.11	93.15
	3.14	0.00	-25.70	300.57	93.16
	3.14	10.70	-0.00	0.00	127.52
	3.14	10.70	25.70	0.00	395.70
	3.14	-10.70	25.70	0.00	395.70
	3.14	-10.70	-0.00	0.00	127.52
	3.14	-10.70	-25.70	0.00	395.70
	3.14	10.70	-25.70	0.00	395.70
	3.14	-5.80	25.70	0.00	125.25
120	3.14	-10.70	25.70	4.30	315.70
	3.14	-10.70	20.80	0.00	98.40
	3.14	-10.70	-21.00	0.00	97.70
	3.14	10.70	20.60	0.00	99.81
	3.14	10.70	-21.20	0.00	99.81
	3.14	5.40	25.70	0.00	320.00
	3.14	5.20	-25.70	0.00	320.00
	3.14	-5.40	-25.70	0.00	100.15
	3.14	0.00	25.70	0.00	98.78
	3.14	0.00	-25.70	0.00	101.13
	3.14	-10.70	0.00	0.00	320.00
	3.14	10.70	-0.00	0.00	320.00
	3.14	-10.70	-25.70	1.74	318.26
	3.14	10.70	25.70	4.30	315.70
	3.14	10.70	-25.70	4.30	315.70
	3.14	-5.80	25.70	0.00	95.27
121	3.14	-10.20	-25.20	0.00	395.20
	3.14	-10.20	25.20	0.00	395.20
	3.14	0.00	25.20	317.10	82.90
	3.14	0.00	-25.20	317.10	82.90
	3.14	10.20	0.36	0.00	394.54
	3.14	10.20	25.20	0.00	395.20
	3.14	-10.20	-0.36	0.00	396.72
	3.14	10.20	-25.20	0.00	395.20
122	3.14	-10.70	0.40	0.00	65.00
	3.14	-10.70	0.40	1.00	319.00
	3.14	-10.20	-21.20	0.00	65.00
	3.14	-10.20	21.20	0.00	65.00

	3.14	-10.20	-25.20	0.00	65.00
	3.14	-10.20	-25.20	1.00	319.00
	3.14	-10.20	25.20	0.00	65.00
	3.14	-10.20	25.20	1.00	319.00
	3.14	10.20	-25.20	0.00	65.00
	3.14	10.20	-25.20	1.00	319.00
	3.14	10.20	25.20	0.00	65.00
	3.14	10.20	25.20	1.00	319.00
	3.14	10.20	0.36	0.00	65.00
	3.14	10.20	0.36	1.00	319.00
	3.14	10.20	21.20	0.00	65.00
	3.14	10.20	-21.20	0.00	65.00
	3.14	10.20	-12.60	0.00	65.00
	3.14	10.20	12.60	0.00	65.00
	3.14	-10.20	12.60	0.00	65.00
	3.14	-10.20	-12.60	0.00	65.00
	3.14	6.20	25.20	0.00	135.80
	3.14	-6.20	25.20	0.00	135.98
	3.14	-6.20	-25.20	0.00	135.32
	3.14	6.20	-25.20	0.00	135.80
	3.14	0.00	25.20	0.00	65.00
	3.14	0.00	25.20	1.00	319.00
	3.14	0.00	-25.20	0.00	65.00
	3.14	0.00	-25.20	1.00	319.00
123	3.14	25.20	10.20	0.00	400.00
	3.14	-0.36	10.20	0.00	400.00
	3.14	-25.20	10.20	0.00	400.00
	3.14	-25.20	-10.20	0.00	400.00
	3.14	0.36	-10.20	0.00	400.00
	3.14	25.20	-10.20	0.00	400.00
124	3.14	12.60	10.20	0.00	66.06
	3.14	-12.60	10.20	0.00	66.06
	3.14	-12.60	-10.20	0.00	66.06
	3.14	12.60	-10.20	0.00	66.06
	3.14	25.20	-5.10	0.00	117.08
	3.14	25.20	0.00	0.00	117.08
	3.14	25.20	5.10	0.00	117.08
	3.14	-25.20	5.10	0.00	117.08
	3.14	-25.20	0.00	0.00	117.08
	3.14	-25.20	-5.10	0.00	117.08
	3.14	25.20	10.20	0.00	320.00
	3.14	-0.36	10.20	0.00	320.00
	3.14	-25.20	10.20	0.00	320.00
	3.14	-25.20	-10.20	0.00	320.00
	3.14	0.36	-10.20	0.00	320.00
	3.14	25.20	-10.20	0.00	320.00
130	2.01	-0.00	7.70	0.00	65.00
	2.01	-0.00	7.70	193.10	126.90
	2.01	7.70	0.00	0.00	65.00
	2.01	7.70	0.00	193.10	126.90
	2.01	-7.70	0.00	0.00	65.00
	2.01	-7.70	0.00	193.10	126.90
	2.01	0.00	-7.70	0.00	65.00
	2.01	0.00	-7.70	193.10	126.90
	3.14	7.70	7.70	0.00	65.00
	3.14	7.70	7.70	1.00	319.00
	3.14	-7.70	7.70	0.00	65.00
	3.14	-7.70	7.70	1.00	319.00
	3.14	-7.70	-7.70	0.00	65.00
	3.14	-7.70	-7.70	1.00	319.00
	3.14	7.70	-7.70	0.00	65.00
	3.14	7.70	-7.70	1.00	319.00
132	2.01	7.00	-8.20	0.00	99.76
	2.01	7.00	-8.20	218.88	101.12
	2.01	7.07	8.20	0.00	99.77
	2.01	7.07	8.20	220.40	99.60
	2.01	-5.27	8.20	0.00	98.25
	2.01	-5.27	8.20	220.40	99.60
	2.01	-5.43	-8.20	0.00	103.56

	2.01	-5.43	-8.20	220.40	99.60
	3.14	-15.70	2.73	0.00	320.00
	3.14	-15.70	-2.73	0.00	320.00
	3.14	15.70	-2.73	0.00	320.00
	3.14	15.70	2.73	0.00	320.00
	3.14	-15.70	-8.20	4.30	311.40
	3.14	-15.70	8.20	4.30	311.40
	3.14	15.70	8.20	4.30	311.40
	3.14	15.70	-8.20	4.30	311.40
133	3.14	5.43	-8.20	0.00	65.00
	3.14	5.43	-8.20	2.41	317.59
	3.14	5.43	8.20	0.00	65.00
	3.14	5.43	8.20	3.42	316.58
	3.14	-5.27	8.20	0.00	65.00
	3.14	-5.27	8.20	2.41	317.59
	3.14	-5.27	-8.20	0.00	65.00
	3.14	-5.27	-8.20	2.41	317.59
	3.14	15.70	-3.10	0.00	65.00
	3.14	15.70	-3.10	3.42	316.58
	3.14	15.70	3.10	0.00	65.00
	3.14	15.70	3.10	3.42	316.58
	3.14	-15.70	2.79	0.00	65.00
	3.14	-15.70	2.79	2.41	317.59
	3.14	-15.70	-2.64	0.00	65.00
	3.14	-15.70	-2.64	2.41	317.59
	3.14	15.70	8.20	0.00	65.00
	3.14	15.70	8.20	1.00	319.00
	3.14	-15.70	8.20	0.00	65.00
	3.14	-15.70	8.20	1.00	319.00
	3.14	-15.70	-8.20	0.00	65.00
	3.14	-15.70	-8.20	1.00	319.00
	3.14	15.70	-8.20	0.00	65.00
	3.14	15.70	-8.20	1.00	319.00
134	3.14	25.70	-8.20	7.26	295.24
	3.14	0.58	-8.20	7.26	295.24
	3.14	-25.70	-8.20	7.26	295.24
	3.14	25.70	-4.10	169.77	132.73
	3.14	25.70	4.10	169.77	132.73
	3.14	-25.70	4.10	169.77	132.73
	3.14	-25.70	-4.10	169.77	132.73
	3.14	25.70	0.00	169.77	132.73
	3.14	-25.70	0.00	169.77	132.73
	3.14	25.70	8.20	7.26	295.24
	3.14	-0.58	8.20	7.26	295.24
	3.14	-25.70	8.20	7.26	295.24
135	3.14	25.70	-8.20	0.00	82.06
	3.14	25.70	-8.20	2.06	317.94
	3.14	0.58	-8.20	0.00	82.06
	3.14	0.58	-8.20	0.00	320.00
	3.14	-25.70	-8.20	0.00	82.06
	3.14	-25.70	-8.20	2.06	317.94
	3.14	-25.70	8.20	0.00	82.06
	3.14	-25.70	8.20	2.06	317.94
	3.14	-0.58	8.20	0.00	82.06
	3.14	-0.58	8.20	2.06	317.94
	3.14	25.70	8.20	0.00	82.06
	3.14	25.70	8.20	2.06	317.94
	3.14	-25.70	-4.10	0.00	126.34
	3.14	-25.70	4.10	0.00	126.34
	3.14	25.70	4.10	0.00	126.34
	3.14	25.70	-4.10	0.00	125.13
	3.14	21.70	-8.20	0.00	82.06
	3.14	-21.70	-8.20	0.00	82.06
	3.14	-21.70	8.20	0.00	82.06
	3.14	21.70	8.20	0.00	82.06
136	3.14	-25.70	8.20	8.00	325.21
	3.14	-0.58	8.20	8.00	325.21
	3.14	25.70	8.20	8.00	325.21
	3.14	-25.70	0.00	187.01	146.21

	3.14	25.70	0.00	187.01	146.21
	3.14	-25.70	-4.10	187.01	146.21
	3.14	-25.70	4.10	187.01	146.21
	3.14	25.70	4.10	187.01	146.21
	3.14	25.70	-4.10	187.01	146.21
	3.14	-25.70	-8.20	8.00	325.21
	3.14	0.58	-8.20	8.00	325.21
	3.14	25.70	-8.20	8.00	325.21
137	3.14	21.70	8.20	0.00	82.06
	3.14	-21.70	8.20	0.00	82.06
	3.14	-21.70	-8.20	0.00	82.06
	3.14	21.70	-8.20	0.00	82.06
	3.14	25.70	-4.10	0.00	125.13
	3.14	25.70	4.10	0.00	126.34
	3.14	-25.70	4.10	0.00	126.34
	3.14	-25.70	-4.10	0.00	126.34
	3.14	25.70	8.20	0.00	82.06
	3.14	25.70	8.20	2.06	317.94
	3.14	-0.58	8.20	0.00	82.06
	3.14	-0.58	8.20	2.06	317.94
	3.14	-25.70	8.20	0.00	82.06
	3.14	-25.70	8.20	2.06	317.94
	3.14	-25.70	-8.20	0.00	82.06
	3.14	-25.70	-8.20	2.06	317.94
	3.14	0.58	-8.20	0.00	82.06
	3.14	0.58	-8.20	2.06	317.94
	3.14	25.70	-8.20	0.00	82.06
	3.14	25.70	-8.20	2.06	317.94
155	3.14	25.70	-10.70	0.00	620.00
	3.14	25.70	-10.70	0.00	80.00
	3.14	0.56	-10.70	0.00	620.00
	3.14	0.56	-10.70	0.00	80.00
	3.14	-25.70	-10.70	0.00	620.00
	3.14	-25.70	-10.70	0.00	80.00
	3.14	-25.70	10.70	0.00	620.00
	3.14	-25.70	10.70	0.00	80.00
	3.14	-0.56	10.70	0.00	620.00
	3.14	-0.56	10.70	0.00	80.00
	3.14	25.70	10.70	0.00	620.00
	3.14	25.70	10.70	0.00	80.00
	3.14	-25.70	-2.33	465.80	154.20
	3.14	-25.70	-2.33	0.00	154.50
	3.14	-25.70	4.42	463.65	156.35
	3.14	-25.70	4.42	0.00	151.49
	3.14	25.70	4.42	463.65	156.35
	3.14	25.70	4.42	0.00	154.44
	3.14	25.70	-2.33	465.44	154.56
	3.14	25.70	-2.33	0.00	154.41
	3.14	12.85	-10.70	0.00	154.44
	3.14	-12.85	-10.70	0.00	154.44
	3.14	-12.85	10.70	0.00	154.42
	3.14	12.85	10.70	0.00	154.42
156	3.14	25.70	-4.65	0.00	154.42
	3.14	25.70	-4.65	589.65	130.35
	3.14	25.70	10.70	0.00	80.00
	3.14	25.70	10.70	0.00	720.00
	3.14	8.37	10.70	0.00	80.00
	3.14	8.37	10.70	0.00	720.00
	3.14	-25.70	10.70	0.00	80.00
	3.14	-25.70	10.70	0.00	720.00
	3.14	-25.70	-10.70	0.00	80.00
	3.14	-25.70	-10.70	0.00	720.00
	3.14	8.60	-10.70	0.00	80.00
	3.14	8.60	-10.70	0.00	720.00
	3.14	25.70	-10.70	0.00	80.00
	3.14	25.70	-10.70	0.00	720.00
	3.14	-9.07	-10.70	0.00	80.00
	3.14	-9.07	-10.70	0.00	720.00
	3.14	-9.07	10.70	0.00	80.00
	3.14	-9.07	10.70	0.00	720.00

	3.14	-25.70	-4.65	0.00	154.42
	3.14	-25.70	-4.65	589.65	130.35
	3.14	-25.70	2.56	0.00	147.93
	3.14	25.70	3.02	0.00	150.53
174	3.14	9.33	-9.33	0.00	64.00
	3.14	9.33	-9.33	0.00	615.70
	3.14	-9.33	-9.33	0.00	64.00
	3.14	-9.33	-9.33	0.00	615.70
	3.14	-9.33	9.33	0.00	64.00
	3.14	-9.33	9.33	0.00	615.70
	3.14	9.33	9.33	0.00	64.00
	3.14	9.33	9.33	0.00	615.70
	3.14	0.00	-13.20	0.00	64.00
	3.14	0.00	-13.20	0.00	620.00
	3.14	-13.20	0.00	0.00	64.00
	3.14	-13.20	0.00	0.00	620.00
	3.14	0.00	13.20	0.00	64.00
	3.14	0.00	13.20	0.00	620.00
	3.14	13.20	0.00	0.00	64.00
	3.14	13.20	0.00	0.00	620.00
175	3.14	5.35	25.70	0.00	80.00
	3.14	5.35	25.70	0.00	134.90
	3.14	0.00	25.70	0.00	80.00
	3.14	0.00	25.70	0.00	242.90
	3.14	-5.35	25.70	0.00	80.00
	3.14	-5.35	25.70	0.00	134.90
	3.14	-5.35	-25.70	0.00	80.00
	3.14	-5.35	-25.70	0.00	134.90
	3.14	0.00	-25.70	0.00	80.00
	3.14	0.00	-25.70	0.00	242.90
	3.14	5.35	-25.70	0.00	80.00
	3.14	5.35	-25.70	0.00	134.90
	3.14	10.70	0.46	0.00	80.00
	3.14	10.70	0.46	0.00	720.00
	3.14	10.70	25.70	0.00	80.00
	3.14	10.70	25.70	0.00	720.00
	3.14	-10.70	25.70	0.00	80.00
	3.14	-10.70	25.70	0.00	720.00
	3.14	-10.70	-0.46	0.00	80.00
	3.14	-10.70	-0.46	0.00	720.00
	3.14	-10.70	-25.70	0.00	80.00
	3.14	-10.70	-25.70	0.00	720.00
	3.14	10.70	-25.70	0.00	80.00
	3.14	10.70	-25.70	0.00	720.00
193	3.14	9.33	-9.33	0.00	64.00
	3.14	9.33	-9.33	0.00	615.70
	3.14	-9.33	-9.33	0.00	64.00
	3.14	-9.33	-9.33	0.00	615.70
	3.14	-9.33	9.33	0.00	64.00
	3.14	-9.33	9.33	0.00	615.70
	3.14	9.33	9.33	0.00	64.00
	3.14	9.33	9.33	0.00	615.70
	3.14	0.00	-13.20	0.00	64.00
	3.14	0.00	-13.20	0.00	620.00
	3.14	-13.20	0.00	0.00	64.00
	3.14	-13.20	0.00	0.00	620.00
	3.14	0.00	13.20	0.00	64.00
	3.14	0.00	13.20	0.00	620.00
	3.14	13.20	0.00	0.00	64.00
	3.14	13.20	0.00	0.00	620.00
194	3.14	5.35	25.70	0.00	80.00
	3.14	5.35	25.70	0.00	134.90
	3.14	0.00	25.70	0.00	80.00
	3.14	0.00	25.70	0.00	242.90
	3.14	0.00	25.70	621.10	98.90
	3.14	-5.35	25.70	0.00	80.00
	3.14	-5.35	25.70	0.00	134.90
	3.14	-5.35	-25.70	0.00	80.00
	3.14	-5.35	-25.70	0.00	134.90

	3.14	0.00	-25.70	0.00	80.00
	3.14	0.00	-25.70	0.00	242.90
	3.14	0.00	-25.70	621.10	98.90
	3.14	5.35	-25.70	0.00	80.00
	3.14	5.35	-25.70	0.00	134.90
	3.14	10.70	0.46	0.00	80.00
	3.14	10.70	0.46	0.00	720.00
	3.14	10.70	25.70	0.00	80.00
	3.14	10.70	25.70	0.00	720.00
	3.14	-10.70	25.70	0.00	80.00
	3.14	-10.70	25.70	0.00	720.00
	3.14	-10.70	-0.46	0.00	80.00
	3.14	-10.70	-0.46	0.00	720.00
	3.14	-10.70	-25.70	0.00	80.00
	3.14	-10.70	-25.70	0.00	720.00
	3.14	10.70	-25.70	0.00	80.00
	3.14	10.70	-25.70	0.00	720.00
212	3.14	9.33	-9.33	0.00	64.00
	3.14	9.33	-9.33	0.00	615.70
	3.14	-9.33	-9.33	0.00	64.00
	3.14	-9.33	-9.33	0.00	615.70
	3.14	-9.33	9.33	0.00	64.00
	3.14	-9.33	9.33	0.00	615.70
	3.14	9.33	9.33	0.00	64.00
	3.14	9.33	9.33	0.00	615.70
	3.14	0.00	-13.20	0.00	64.00
	3.14	0.00	-13.20	0.00	620.00
	3.14	-13.20	0.00	0.00	64.00
	3.14	-13.20	0.00	0.00	620.00
	3.14	0.00	13.20	0.00	64.00
	3.14	0.00	13.20	0.00	620.00
	3.14	13.20	0.00	0.00	64.00
	3.14	13.20	0.00	0.00	620.00
213	3.14	5.35	25.70	0.00	80.00
	3.14	5.35	25.70	0.00	242.90
	3.14	0.00	25.70	0.00	80.00
	3.14	0.00	25.70	0.00	242.90
	3.14	0.00	25.70	621.10	98.90
	3.14	-5.35	25.70	0.00	80.00
	3.14	-5.35	25.70	0.00	242.90
	3.14	-5.35	-25.70	0.00	80.00
	3.14	-5.35	-25.70	0.00	242.90
	3.14	0.00	-25.70	0.00	80.00
	3.14	0.00	-25.70	0.00	242.90
	3.14	0.00	-25.70	621.10	98.90
	3.14	5.35	-25.70	0.00	80.00
	3.14	5.35	-25.70	0.00	242.90
	3.14	10.70	0.46	0.00	80.00
	3.14	10.70	0.46	0.00	720.00
	3.14	10.70	25.70	0.00	80.00
	3.14	10.70	25.70	0.00	720.00
	3.14	-10.70	25.70	0.00	80.00
	3.14	-10.70	25.70	0.00	720.00
	3.14	-10.70	-0.46	0.00	80.00
	3.14	-10.70	-0.46	0.00	720.00
	3.14	-10.70	-25.70	0.00	80.00
	3.14	-10.70	-25.70	0.00	720.00
	3.14	10.70	-25.70	0.00	80.00
	3.14	10.70	-25.70	0.00	720.00
221	3.14	10.70	-25.70	1.00	619.00
	3.14	10.70	-25.70	0.00	81.00
	3.14	-10.70	-25.70	1.00	619.00
	3.14	-10.70	-25.70	0.00	81.00
	3.14	-10.70	-0.56	1.00	619.00
	3.14	-10.70	-0.56	0.00	81.00
	3.14	-10.70	25.70	1.00	619.00
	3.14	-10.70	25.70	0.00	81.00
	3.14	10.70	25.70	1.00	619.00
	3.14	10.70	25.70	0.00	81.00
	3.14	10.70	0.56	1.00	619.00

	3.14	10.70	0.56	0.00	81.00
	3.14	5.35	-25.70	1.00	216.90
	3.14	5.35	-25.70	0.00	81.00
	3.14	0.00	-25.70	1.00	619.00
	3.14	0.00	-25.70	0.00	81.00
	3.14	-5.35	-25.70	1.00	216.90
	3.14	-5.35	-25.70	0.00	81.00
	3.14	-5.35	25.70	1.00	216.90
	3.14	-5.35	25.70	0.00	81.00
	3.14	0.00	25.70	1.00	619.00
	3.14	0.00	25.70	0.00	81.00
	3.14	5.35	25.70	1.00	216.90
	3.14	5.35	25.70	0.00	81.00
	3.14	-10.70	-21.30	1.00	216.90
	3.14	-10.70	-21.30	0.00	81.00
	3.14	-10.70	21.30	1.00	216.90
	3.14	-10.70	21.30	0.00	81.00
	3.14	10.70	21.30	1.00	216.90
	3.14	10.70	21.30	0.00	81.00
	3.14	10.70	-21.30	1.00	216.90
	3.14	10.70	-21.30	0.00	81.00
241	3.14	10.70	-25.70	1.00	614.70
	3.14	10.70	-25.70	0.00	81.00
	3.14	-10.70	-25.70	1.00	614.70
	3.14	-10.70	-25.70	0.00	81.00
	3.14	-10.70	-0.56	1.00	614.84
	3.14	-10.70	-0.56	0.00	81.00
	3.14	-10.70	25.70	1.00	614.70
	3.14	-10.70	25.70	0.00	81.00
	3.14	10.70	25.70	1.00	614.70
	3.14	10.70	25.70	0.00	81.00
	3.14	10.70	0.56	1.00	612.15
	3.14	10.70	0.56	0.00	81.00
	3.14	5.35	-25.70	0.00	155.59
	3.14	0.00	-25.70	1.00	613.91
	3.14	0.00	-25.70	0.00	81.00
	3.14	-5.35	-25.70	0.00	155.59
	3.14	-5.35	25.70	0.00	155.66
	3.14	0.00	25.70	1.00	614.84
	3.14	0.00	25.70	0.00	81.00
	3.14	5.35	25.70	0.00	155.66
	3.14	-10.70	-21.30	0.00	150.96
	3.14	-10.70	21.30	0.00	154.44
	3.14	10.70	21.30	0.00	155.59
	3.14	10.70	-21.30	0.00	155.59
266	3.14	10.70	-21.30	0.00	155.59
	3.14	10.70	21.30	0.00	155.59
	3.14	-10.70	21.30	0.00	154.44
	3.14	-10.70	-21.30	0.00	150.96
	3.14	5.35	25.70	0.00	155.66
	3.14	0.00	25.70	1.00	614.84
	3.14	0.00	25.70	0.00	81.00
	3.14	-5.35	25.70	0.00	155.66
	3.14	-5.35	-25.70	0.00	155.59
	3.14	0.00	-25.70	1.00	613.91
	3.14	0.00	-25.70	0.00	81.00
	3.14	5.35	-25.70	0.00	155.59
	3.14	10.70	0.56	1.00	612.15
	3.14	10.70	0.56	0.00	81.00
	3.14	10.70	25.70	1.00	614.70
	3.14	10.70	25.70	0.00	81.00
	3.14	-10.70	25.70	1.00	614.70
	3.14	-10.70	25.70	0.00	81.00
	3.14	-10.70	-0.56	1.00	614.84
	3.14	-10.70	-0.56	0.00	81.00
	3.14	-10.70	-25.70	1.00	614.70
	3.14	-10.70	-25.70	0.00	81.00
	3.14	10.70	-25.70	1.00	614.70
	3.14	10.70	-25.70	0.00	81.00

Armatura trasversale negli elementi

Elemento	Ascissa iniz. (cm)	Lunghezza tratto (cm)	Area orizz. (cm2)	Area vert. (cm2)	Passo (cm)
1	0.00	593.00	1.01	1.01	24.00
	593.00	29.50	1.57	1.57	6.00
4	0.00	622.21	1.01	1.01	24.00
	622.21	31.00	1.57	1.57	6.00
96	0.00	292.00	1.01	1.01	20.00
	292.00	28.00	1.57	1.57	7.00
119	0.00	14.78	1.51	1.51	5.00
	14.78	350.22	1.01	1.01	20.00
	365.00	35.00	1.51	1.51	5.00
120	0.00	285.27	1.01	1.01	20.00
	285.27	34.73	1.01	1.01	5.00
121	0.00	15.00	1.51	1.51	5.00
	15.00	350.00	1.01	1.01	20.00
	365.00	35.00	1.51	1.51	5.00
122	0.00	285.00	1.01	1.01	15.00
	285.00	35.00	1.51	1.51	5.00
123	0.00	14.97	1.51	1.51	4.50
	14.97	349.03	1.01	1.01	20.00
	364.00	36.00	1.51	1.51	5.00
124	0.00	285.00	1.01	1.01	20.00
	285.00	35.00	1.51	1.51	5.00
130	0.00	285.00	1.01	1.01	19.00
	285.00	35.00	1.57	1.57	7.00
132	0.00	296.00	1.01	1.01	20.00
	296.00	24.00	2.36	2.36	4.00
133	0.00	290.00	1.01	1.01	19.00
	290.00	30.00	2.36	2.36	6.50
134	0.00	13.62	1.51	1.51	5.00
	270.50	32.00	1.51	1.51	7.50
	13.62	256.88	1.01	1.01	15.00
135	0.00	279.60	1.01	1.01	15.00
	279.60	40.40	1.51	1.51	5.00
136	0.00	15.00	1.51	1.51	5.00
	300.92	32.29	1.51	1.51	8.00
	15.00	285.92	1.01	1.01	20.00
137	0.00	279.60	1.01	1.01	20.00
	279.60	40.40	1.51	1.51	5.00
155	0.00	585.05	1.01	1.01	24.00
	585.05	34.95	2.36	2.36	7.00
156	0.00	685.00	1.01	1.01	20.00
	685.00	35.00	2.36	2.36	5.00
174	0.00	578.14	1.01	1.01	20.00
	578.14	41.86	1.57	1.57	5.50
175	0.00	685.00	1.01	1.01	20.00
	685.00	35.00	2.36	2.36	7.00
193	0.00	578.00	1.01	1.01	20.00
	578.00	42.00	1.57	1.57	6.00
194	0.00	685.00	1.01	1.01	20.00
	685.00	35.00	2.36	2.36	7.00
212	0.00	578.14	1.01	1.01	20.00
	578.14	41.86	1.57	1.57	5.50
213	0.00	685.00	1.01	1.01	20.00
	685.00	35.00	2.36	2.36	7.00

221	0.00	585.00	1.01	1.01	20.00
	585.00	35.00	2.36	2.36	5.00
241	0.00	584.58	1.01	1.01	20.00
	584.58	35.42	2.36	2.36	5.00
266	0.00	585.00	1.01	1.01	20.00
	585.00	35.00	2.36	2.36	5.00

Verifica flessionale pilastri

Elem	Qta	Ascissa (cm)	Nx (N)	Mz (Nxcm)	My (Nxcm)	F.Sic.	Comb.
1		62.25	-19024.16	30451502.28	1844351.12	1.27	37
		311.25	-3771.29	451166.87	1162066.48	7.24	45
		560.25	-37377.66	-27934451.25	-503006.23	1.41	33
4		65.32	14962.15	-31522038.53	1124771.15	1.26	34
		326.61	10906.34	-647015.65	954091.96	8.85	43
		587.89	6501.90	28571532.96	-266964.89	1.43	54
96		32.00	64076.50	3727870.31	2137896.03	1.41	57
		160.00	57133.26	-1117.41	1310856.97	3.54	65
		283.70	60143.68	-3409628.19	-419188.34	1.36	57
119		40.00	57457.14	8098078.01	-6343964.38	1.45	36
		200.00	44391.39	-3812241.34	-234511.66	1.63	37
		354.75	36745.06	-540664.07	15610238.76	1.24	44
120		32.00	159091.60	-8071333.76	-34661817.30	1.16	44
		160.00	73873.32	-182272.52	15690898.73	1.65	43
		275.70	63156.88	-6333873.26	5080686.85	1.50	37
121		40.00	58842.81	-1443380.92	14110611.74	1.35	45
		200.00	76375.00	-2605448.34	-95941.75	3.42	58
		354.75	36881.73	-57764.37	14276350.21	1.74	44
122		32.00	204163.67	-5394194.68	-41942842.96	1.23	68
		160.00	167096.88	-418613.44	-14205827.19	1.93	48
		275.70	231916.24	6648618.56	7121200.93	1.63	56
123		40.00	47633.48	-1386089.33	6011591.75	1.43	45
		200.00	-25654.23	-9489049.22	608989.35	1.84	35
		360.00	66838.16	14034815.16	2035626.96	1.34	56
124		32.00	233045.73	-25051279.80	-7570566.06	1.39	60
		160.00	39458.66	11563094.64	-1041920.36	1.63	35
		275.70	173277.46	2351424.22	-4116165.23	2.36	41
130		32.00	71174.87	-2908603.06	-3275473.85	1.29	44
		160.00	49049.51	114329.57	547679.16	7.91	65
		283.70	46702.94	4268812.47	1646829.79	1.30	36
132		32.00	207252.42	-14112507.67	-3371164.98	1.22	36
		160.00	194372.71	1719947.99	60595.30	> 10.00	37
		281.58	203873.30	7560283.58	5957962.41	1.30	44
133		32.00	185629.94	13368036.86	3848917.91	1.29	57
		160.00	133691.26	-4362894.24	-101205.60	4.88	56
		281.58	140666.36	-8975436.17	-5149449.83	1.41	65
134		30.25	47032.41	-6444916.96	6643596.09	1.01	36
		151.25	50105.51	12761490.36	1042750.00	1.45	38
		266.14	45181.16	28560862.77	-1924907.03	1.24	34
135		32.00	164898.06	29158372.52	-8644610.46	1.00	35
		160.00	91128.08	-14300482.29	4709510.40	1.03	38
		275.70	70234.53	-3407769.94	6033331.68	1.17	36
136		33.32	57824.48	-8703245.24	3537319.05	1.50	54
		166.61	42070.02	7385679.97	1740415.88	2.12	38
		296.63	33348.25	24842200.66	947025.31	1.45	40
137		32.00	222750.66	-27831692.86	-4308584.65	1.32	60
		160.00	164281.38	10695125.38	-907627.12	1.89	35
		275.70	150940.48	-1529300.40	3928568.82	1.97	44
155		62.00	147417.03	26893694.79	5825141.37	1.29	57
		310.00	40558.76	1282835.82	1900643.41	4.49	45

	558.00	-81420.40	19817087.75	3624268.63	1.30	36
156	72.00	111728.64	-24110786.61	3344999.54	1.39	54
	360.00	93505.89	-2612972.73	688223.26	8.03	34
	648.00	85808.64	18911692.83	-1964338.51	1.50	54
174	62.00	66203.10	2146.48	-5918699.96	1.73	44
	310.00	65636.79	1351054.44	-64413.05	7.56	35
	558.00	30430.65	238.50	5673721.42	1.78	44
175	72.00	61862.26	-1921972.58	24060519.33	1.50	43
	360.00	48902.26	-1080041.44	5321047.00	3.32	43
	648.00	46860.45	-477263.67	13616789.43	1.41	42
193	62.00	77457.36	1316660.00	-5898558.45	1.72	42
	310.00	59012.92	1439234.52	-124750.11	7.08	35
	558.00	41684.91	146295.56	5372953.39	1.89	42
194	72.00	70634.32	-917192.40	-26207797.07	1.44	48
	360.00	57674.32	-666885.79	-5481685.87	3.49	48
	648.00	44714.32	-416579.19	15244425.34	1.65	48
212	62.00	99063.02	1306482.37	-6190076.37	1.67	42
	310.00	64519.13	1500043.09	-37635.14	6.79	35
	558.00	63290.57	145164.71	6030891.09	1.69	42
213	72.00	63881.18	-728846.72	-26380402.30	1.43	48
	360.00	50921.18	-329581.83	-5680261.22	3.42	48
	648.00	38368.59	213973.84	14944428.82	1.68	44
221	62.00	81493.77	2319277.94	-35217238.13	1.35	42
	310.00	70333.77	1329892.23	-7864873.73	2.99	42
	558.00	59173.77	340506.52	19487490.67	1.32	42
241	62.00	61970.89	2489097.49	-34749861.42	1.35	42
	310.00	50810.89	1077871.38	-6949490.45	3.37	42
	558.00	39650.89	-333354.74	20850880.53	1.20	42
266	62.00	40930.93	4312576.82	-26357882.62	1.60	62
	310.00	25422.48	57242.36	-8685664.49	2.87	46
	558.00	-53278.74	7979582.91	-4101680.50	1.27	38

Minimo fattore di sicurezza: 1.000374 >= 1.00

Per ogni elemento **Elem** a quota (opzionale) di riferimento **Qta** viene calcolato, all'ascissa **Ascissa**, il momento ultimo **Mr** nella direzione di sollecitazione risultante e viene esposto il fattore di sicurezza **F.Sic.**, cioè **Mr/Me**, relativo alla combinazione **COMB** che ha generato il minore fattore di sicurezza. Vengono espresse le sollecitazioni **Md** nelle componenti assiale **Nx** e flessionale **Mz** e **My** di tale combinazione (vedi **Combinazioni Progetto**). Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura **>10.0** per evitare la stampa di numeri inutilmente grandi. Nel caso delle travi di fondazione, il limite ultimo è in regime elastico.

Verifica taglio pilastri

Elem	Qta	Ascissa (cm)	Nx (N)	Ty (N)	Tz (N)	Vr (N)	Theta	F. Sic.	Comb.
1		62.25	-10760.59	-117884.88	-4593.96	197120.55	2.50	1.67	57
		311.25	-20098.09	-117884.89	-4595.01	197120.62	2.50	1.67	57
		560.25	-29435.59	-117884.88	-4593.96	197120.55	2.50	1.67	57
4		65.32	26098.29	115270.06	-2578.89	197020.33	2.50	1.71	54
		326.61	16300.09	115270.14	-2611.93	197021.60	2.50	1.71	54
		587.89	6501.90	115270.06	-2578.89	197020.33	2.50	1.71	54
96		32.00	64076.50	-28357.01	-10158.59	81623.45	2.50	2.71	57
		160.00	58315.27	-22745.92	-1960.02	88166.83	2.50	3.86	59
		283.70	60143.68	-28357.02	-10158.66	87230.52	2.50	2.90	57
119		40.00	72475.60	-24650.27	79891.74	262581.40	2.50	3.22	64
		200.00	54254.01	2837.30	-66805.50	236578.33	2.50	3.54	43
		354.75	58311.86	-24652.03	80062.22	242601.38	2.50	2.90	64
120		32.00	166238.13	26599.01	176305.71	218810.16	2.50	1.23	62
		160.00	160478.13	26306.54	183390.46	218309.07	2.50	1.18	62
		275.70	153847.75	12554.03	185906.08	236903.57	2.50	1.27	66
121		40.00	58842.81	2502.53	-85747.32	236465.90	2.50	2.76	45
		200.00	51642.81	2181.05	-87128.45	236439.30	2.50	2.71	45
		354.75	44679.07	2481.78	-85836.47	236464.03	2.50	2.75	45
122		32.00	204163.67	39831.13	214458.17	276289.74	2.50	1.27	68
		160.00	198403.67	39981.43	217174.53	283248.85	2.50	1.28	68

	275.70	168769.43	7429.53	190275.10	315393.82	2.50	1.66	66
123	40.00	47633.48	-12957.07	-34109.16	112465.19	2.50	3.08	45
	200.00	68751.71	2362.69	-30890.30	109377.56	2.50	3.53	47
	360.00	33233.48	-12957.07	-34109.16	112403.76	2.50	3.08	45
124	32.00	130599.00	31394.55	63262.51	102868.15	2.50	1.46	68
	160.00	227285.73	130778.04	39812.69	209133.89	2.50	1.53	60
	275.70	258657.80	143707.15	9333.33	236863.23	2.50	1.64	58
130	32.00	50635.75	34009.01	12881.46	82569.84	2.50	2.27	36
	160.00	48635.75	34010.47	12881.92	95709.19	2.50	2.63	36
	283.70	46702.94	34009.11	12881.49	82562.95	2.50	2.27	36
132	32.00	256469.19	109071.23	25915.08	140280.69	2.50	1.25	56
	160.00	253269.19	109072.50	25916.08	132501.50	2.50	1.18	56
	281.58	250229.64	109071.35	25915.18	134570.07	2.50	1.20	56
133	32.00	185629.94	-101855.58	-25690.05	139904.11	2.50	1.33	57
	160.00	172415.27	2112.13	54689.39	92533.46	2.50	1.69	64
	281.58	179390.38	-101856.01	-25690.57	149430.34	2.50	1.42	57
134	30.25	37032.50	-151796.82	10364.68	309527.96	2.50	2.03	55
	151.25	33110.95	-165528.81	16554.21	284888.81	2.38	1.71	59
	266.14	35797.19	-156167.47	26735.16	290335.43	2.50	1.83	57
135	32.00	89853.75	-25688.72	56014.07	113426.69	2.50	1.84	44
	160.00	166172.39	6668.86	-42347.19	98406.50	2.50	2.30	45
	275.70	80715.00	-25784.14	54529.54	124827.05	2.50	2.07	44
136	33.32	53978.76	131886.53	-5636.90	236581.05	2.50	1.79	56
	166.61	48980.56	132295.21	-2709.45	236414.82	2.50	1.79	56
	296.63	44104.52	131906.26	-5495.56	236570.30	2.50	1.79	56
137	32.00	242942.24	155780.00	8242.29	236695.87	2.50	1.52	58
	160.00	217950.66	135973.72	28629.50	208683.50	2.50	1.50	60
	275.70	233803.49	155857.98	8250.91	236696.23	2.50	1.52	58
155	62.00	147417.03	-97056.39	-18185.35	170309.78	2.50	1.72	57
	310.00	136257.03	-97056.41	-18186.43	212119.71	2.50	2.15	57
	558.00	125097.03	-97056.39	-18185.35	183114.98	2.50	1.85	57
156	72.00	111728.64	74691.63	-9217.14	210232.67	2.50	2.79	54
	360.00	98768.64	74691.89	-9217.83	190780.87	2.50	2.54	54
	648.00	85808.64	74691.63	-9217.14	217170.63	2.50	2.89	54
174	62.00	92155.49	-1276.60	-23331.66	99757.55	2.50	4.27	45
	310.00	48316.87	-3.85	23371.87	98632.34	2.50	4.22	44
	558.00	46742.02	64.13	23374.39	100990.94	2.50	4.32	64
175	72.00	91077.70	-2839.43	67311.10	236575.46	2.50	3.51	66
	360.00	78117.70	-2840.07	67311.23	236575.56	2.50	3.51	66
	648.00	65157.70	-2839.43	67311.10	236575.46	2.50	3.51	66
193	62.00	77457.36	-2359.61	22724.82	103697.69	2.50	4.54	42
	310.00	80405.34	0.50	20365.42	98629.45	2.50	4.84	64
	558.00	41684.91	-2359.61	22724.82	101430.72	2.50	4.44	42
194	72.00	90945.07	384.51	72040.70	236368.62	2.50	3.28	68
	360.00	77985.07	435.90	72041.07	236369.58	2.50	3.28	68
	648.00	65025.07	384.51	72040.70	236368.62	2.50	3.28	68
212	62.00	99063.02	-2341.37	24639.05	104014.67	2.50	4.20	42
	310.00	84098.89	176.50	22027.90	113154.60	2.50	5.14	48
	558.00	63290.57	-2341.37	24639.05	101356.65	2.50	4.10	42
213	72.00	63881.18	1721.73	71875.00	236433.06	2.50	3.29	48
	360.00	50921.18	1218.64	71875.73	236399.22	2.50	3.29	48
	648.00	37961.18	1721.73	71875.00	236433.06	2.50	3.29	48
221	62.00	81493.77	-3987.57	110291.70	236519.69	2.50	2.14	42
	310.00	70333.77	-3990.40	110291.84	236519.91	2.50	2.14	42
	558.00	59173.77	-3987.57	110291.70	236519.69	2.50	2.14	42
241	62.00	61970.89	-5684.33	112097.65	236668.95	2.50	2.11	42
	310.00	50810.89	-5693.48	112098.58	236669.92	2.50	2.11	42
	558.00	39650.89	-5684.33	112097.65	236668.95	2.50	2.11	42
266	62.00	-27941.10	32853.27	-29943.15	122841.84	2.50	2.76	58

310.00	29770.93	-17103.16	71516.44	220712.97	2.50	3.00	62
558.00	-53278.74	33048.89	-30226.09	128253.59	2.50	2.86	38

Minimo fattore di sicurezza: 1.178344 >= 1.00

Per ogni elemento **Elem** a quota (opzionale) di riferimento **Qta** viene calcolato, all'ascissa **Ascissa**, il taglio ultimo **Vr** nella direzione di sollecitazione risultante e viene esposto il fattore di sicurezza **F.Sic.**, cioè **Tr/Td**, relativo alla combinazione **Comb** che ha generato il minore fattore di sicurezza. Vengono espresse le sollecitazioni di calcolo nelle componenti **Nx**, **Ty** e **Tz** di tale combinazione (vedi Combinazioni Progetto). Il campo **Theta** riporta il valore di $\text{ctg}(\theta)$ usato nella verifica. Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura >10.0 per evitare la stampa di numeri inutilmente grandi.

Verifica a torsione									
Elem	P/T	Qta	Ascissa (cm)	Comb.	Td (Nxcm)	Tr (Nxcm)	Vd (N)	Vr (N)	Fs
1	P		62.25	54	-425071.53	3397036.72	105483.94	196971.35	1.51
			311.25	54	-425071.53	3397036.72	105483.93	196971.35	1.51
			560.25	54	-425071.53	3397036.72	105483.94	196971.35	1.51
4	P		65.32	56	-268109.25	3397036.72	106274.08	196995.28	1.62
			326.61	56	-268109.25	3397036.72	106273.72	196994.76	1.62
			587.89	56	-268109.25	3397036.72	106274.08	196995.28	1.62
96	P		32.00	57	-146720.23	1103659.49	30121.70	81623.45	1.99
			160.00	56	132874.06	1103659.49	26974.67	105775.29	2.66
			283.70	57	-146720.23	1103659.49	30121.74	87230.52	2.09
119	P		40.00	56	-466965.64	5248386.93	49434.43	160869.19	2.52
			200.00	63	-403039.01	2849648.74	66464.26	236439.59	2.37
			354.75	62	292796.72	4274473.11	71805.17	240049.35	2.72
120	P		32.00	42	382914.24	5248386.93	177788.03	218706.47	1.13
			160.00	62	368473.39	5248386.93	185267.63	218309.07	1.09
			275.70	46	263087.06	5248386.93	185834.96	236882.85	1.20
121	P		40.00	64	-823313.68	4274473.11	84333.67	236595.54	1.82
			200.00	64	-823313.68	4274473.11	85700.13	236551.32	1.80
			354.75	64	-823313.68	5248386.93	84421.83	236592.50	1.95
122	P		32.00	64	902329.99	5248386.93	208644.74	274770.31	1.07
			160.00	44	921464.51	5248386.93	210521.13	285544.17	1.10
			275.70	64	902329.99	5248386.93	209135.98	343703.45	1.35
123	P		40.00	45	515719.23	4274473.11	36487.27	112465.19	2.25
			200.00	56	-1208449.49	4274473.11	38049.05	209733.82	2.15
			360.00	56	-1208449.49	4274473.11	50619.23	204089.74	1.88
124	P		32.00	44	921464.51	5248386.93	61637.52	94886.06	1.21
			160.00	56	881688.45	4274473.11	124204.79	208250.53	1.25
			275.70	56	881688.45	4274473.11	124123.43	216175.84	1.28
130	P		32.00	36	135757.71	1103659.49	36366.81	82569.84	1.77
			160.00	36	135757.71	1103659.49	36368.34	95709.19	1.99
			283.70	36	135757.71	1103659.49	36366.91	82562.95	1.77
132	P		32.00	56	305759.62	2113104.14	112107.65	140280.69	1.06
			160.00	56	305759.62	2113104.14	112109.12	132501.50	1.01
			281.58	56	305759.62	2113104.14	112107.79	134570.07	1.02
133	P		32.00	57	-337621.39	2113104.14	105045.41	139904.11	1.10
			160.00	64	312917.88	2113104.14	54730.16	92533.46	1.35
			281.58	57	-337621.39	2113104.14	105045.95	149430.34	1.16
134	P		30.25	37	1001864.55	3397036.72	157832.38	334642.25	1.41
			151.25	59	867914.73	3397036.72	166354.53	284888.81	1.19
			266.14	57	1061282.70	3397036.72	158439.42	290335.43	1.17
135	P		32.00	44	567963.83	3397036.72	61623.75	113426.69	1.41
			160.00	45	-601005.96	3397036.72	42869.08	98406.50	1.63
			275.70	44	567963.83	3397036.72	60318.26	124827.05	1.54
136	P		33.32	56	-951954.21	3397036.72	132006.94	236581.05	1.19
			166.61	56	-951954.21	3397036.72	132322.95	236414.82	1.19
			296.63	56	-951954.21	3397036.72	132020.69	236570.30	1.19
137	P		32.00	53	-432676.46	3397036.72	135440.37	215058.66	1.32
			160.00	60	376046.41	3397036.72	138955.03	208683.50	1.29
			275.70	55	-199028.51	3397036.72	154712.12	236507.88	1.40
155	P		62.00	56	-306728.89	5248386.93	91104.57	167880.08	1.66

		310.00	58	-371862.20	4274473.11	82031.04	197073.22	1.99
		558.00	37	110310.13	5248386.93	98657.69	183138.69	1.79
156	P	72.00	38	-248743.48	5248386.93	73982.67	210268.22	2.50
		360.00	38	-248743.48	5248386.93	73983.00	194020.59	2.33
		648.00	55	394450.76	5248386.93	66974.73	203692.39	2.48
174	P	62.00	65	-35935.68	2741642.87	23360.26	99843.80	4.05
		310.00	68	-45199.68	2741642.87	23226.11	99255.79	3.99
		558.00	68	-45199.68	2741642.87	23225.94	100991.69	4.06
175	P	72.00	62	449743.82	5248386.93	66782.61	236578.61	2.72
		360.00	62	449743.82	4274473.11	66782.76	236578.71	2.58
		648.00	62	449743.82	4274473.11	66782.61	236578.61	2.58
193	P	62.00	67	-63796.27	2741642.87	21866.33	100091.78	4.14
		310.00	68	-21976.03	2741642.87	20237.81	98643.45	4.69
		558.00	42	40585.61	2741642.87	22847.00	101430.72	4.17
194	P	72.00	62	353833.13	5248386.93	66416.55	236492.73	2.87
		360.00	62	353833.13	4274473.11	66416.19	236491.33	2.75
		648.00	62	353833.13	5248386.93	66416.55	236492.73	2.87
212	P	62.00	47	-52226.39	2741642.87	23559.95	99760.95	3.92
		310.00	48	-18161.18	2741642.87	22028.60	113154.60	4.97
		558.00	42	43095.66	2741642.87	24750.04	101356.65	3.85
213	P	72.00	42	343417.48	5248386.93	66195.03	236391.82	2.89
		360.00	42	343417.48	4274473.11	66216.40	236467.60	2.77
		648.00	42	343417.48	5248386.93	66195.03	236391.82	2.89
221	P	62.00	46	-39441.09	5248386.93	109700.01	236509.64	2.12
		310.00	46	-39441.09	5248386.93	109700.24	236509.85	2.12
		558.00	46	-39441.09	5248386.93	109700.01	236509.64	2.12
241	P	62.00	62	53255.34	5248386.93	112213.52	236623.47	2.06
		310.00	62	53255.34	5248386.93	112214.87	236624.37	2.06
		558.00	62	53255.34	5248386.93	112213.52	236623.47	2.06
266	P	62.00	58	387966.87	5248386.93	44451.43	122841.84	2.29
		310.00	67	129293.22	5248386.93	71772.14	220816.64	2.86
		558.00	58	387966.87	5248386.93	44451.43	128064.75	2.38

Minimo fattore di sicurezza: 1.009292 >= 1.00

Per ogni elemento **Elem** di tipo **P**(ilastro) o **T**(rave) a quota (opzionale) di riferimento **Qta** viene calcolato, all'ascissa **Ascissa**, per ogni combinazione di carico il fattore di sicurezza combinato taglio-torsione **Fs** e vengono esposti dati e risultati relativi alla combinazione **Comb.** per la quale si è ottenuto il fattore di sicurezza minimo. Vengono esposti i momenti torcenti agenti **Td** e resistenti **Tr** ed i valori di taglio combinato agente **Vd** e resistente **Vr**. Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura **>10.0** per evitare la stampa di numeri inutilmente grandi. In caso sia segnalato **Verifica non effettuata** (che non indica una verifica non soddisfatta ma una impossibilità ad effettuarla) il valore finale non tiene conto di tale verifica.

Verifica stato limite di esercizio - fessurazione

Elemento	Ascissa (cm)	Ampiezza Fess. (mm)	Dist.fessure (mm)	Momenti agenti		Momenti prima fessurazione		Comb.	Tipo
				Mz (Nxcmm)	My (Nxcmm)	Mz (Nxcmm)	My (Nxcmm)		
1	62.25	0.00	106.51	477477.64	12364.11	4260691.22	1775288.01	2	qprm
	62.25	0.00	106.51	477477.64	12364.11	4260691.22	1775288.01	6	freq
	560.25	0.00	98.08	-607751.09	145207.28	7336193.31	2423310.65	2	qprm
	560.25	0.00	98.08	-607751.09	145207.28	7336193.31	2423310.65	6	freq
4	65.32	0.00	107.37	-856902.35	-28203.33	7336193.31	2423310.65	1	qprm
	65.32	0.00	107.37	-897778.29	-40672.83	7336193.31	2423310.65	4	freq
	587.89	0.00	106.51	840009.61	156795.76	7336193.31	2423310.65	1	qprm
	587.89	0.00	106.51	844581.99	156555.61	7336193.31	2423310.65	5	freq
96	32.00	0.00	99.83	-78670.94	200714.28	739703.34	739703.34	2	qprm
	32.00	0.00	99.83	-78670.94	200714.28	739703.34	739703.34	6	freq
	160.00	0.00	140.90	-180278.97	190301.16	1027713.40	1027713.40	1	qprm
	160.00	0.00	140.90	-188141.50	198871.36	1027713.40	1027713.40	5	freq
	283.70	0.00	140.90	-356644.02	104979.34	1027713.40	1027713.40	1	qprm
	283.70	0.00	140.90	-385133.36	109288.76	1027713.40	1027713.40	5	freq
119	40.00	0.00	229.06	618554.45	-126999.19	3169609.73	6457398.29	2	qprm
	40.00	0.00	229.06	618554.45	-126999.19	3169609.73	6457398.29	6	freq
	354.75	0.00	137.79	-566578.70	286360.30	2965078.63	6291615.45	1	qprm
	354.75	0.00	137.79	-573746.26	315233.01	2965078.63	6291615.45	5	freq

120	32.00	0.00	86.69	542881.45	-2408334.85	3272986.58	7656605.59	2	qprm
	32.00	0.00	86.69	542881.45	-2408334.85	3272986.58	7656605.59	6	freq
	275.70	0.01	149.73	379371.18	2891704.98	3168916.55	6881008.45	1	qprm
	275.70	0.01	149.73	424007.10	2895323.21	3168916.55	6881008.45	5	freq
121	40.00	0.00	193.54	434932.78	876863.22	2971690.05	6244538.16	2	qprm
	40.00	0.00	193.54	434932.78	876863.22	2971690.05	6244538.16	6	freq
	200.00	0.00	195.83	-433176.82	707388.18	3113459.78	6246307.02	1	qprm
	200.00	0.00	195.83	-497817.85	710762.35	3113459.78	6246307.02	5	freq
	354.75	0.00	158.72	-537015.95	645440.91	3113459.78	6246307.02	1	qprm
	354.75	0.00	158.72	-541546.14	669072.98	3113459.78	6246307.02	5	freq
122	32.00	0.01	126.07	236103.00	-4159724.67	2693623.57	6246194.47	2	qprm
	32.00	0.01	126.07	236103.00	-4159724.67	2693623.57	6246194.47	6	freq
	275.70	0.01	157.00	1528605.50	2060035.21	2973823.09	6811148.04	1	qprm
	275.70	0.01	157.00	1736496.78	2062910.10	2973823.09	6811148.04	5	freq
123	40.00	0.12	193.54	-2650645.25	1197555.64	5112829.47	2556414.73	1	qprm
	40.00	0.12	193.54	-2768466.97	1196222.13	5112829.47	2556414.73	5	freq
	200.00	0.01	193.54	-805368.70	526760.08	6246307.02	3113459.78	1	qprm
	200.00	0.01	193.54	-847840.79	527312.39	6246307.02	3113459.78	5	freq
	360.00	0.01	193.54	1039907.85	-144035.48	6246307.02	3113459.78	1	qprm
	360.00	0.01	193.54	1072785.39	-141597.36	6246307.02	3113459.78	5	freq
124	32.00	0.02	161.52	451957.72	-1678407.38	6812876.98	2649255.57	2	qprm
	32.00	0.02	161.52	451957.72	-1678407.38	6812876.98	2649255.57	6	freq
	160.00	0.01	193.54	1193465.80	-961948.29	6246307.02	3113459.78	2	qprm
	160.00	0.01	193.54	1193465.80	-961948.29	6246307.02	3113459.78	6	freq
	275.70	0.01	193.54	2695856.80	-316168.93	6246307.02	3113459.78	1	qprm
	275.70	0.01	193.54	2834546.34	-316474.35	6246307.02	3113459.78	5	freq
130	32.00	0.00	110.03	-154319.57	122012.33	739703.34	739703.34	2	qprm
	32.00	0.00	110.03	-154319.57	122012.33	739703.34	739703.34	6	freq
	283.70	0.00	110.03	412803.96	296096.85	1074927.50	1074927.50	1	qprm
	283.70	0.00	110.03	434252.21	307388.90	1074927.50	1074927.50	5	freq
132	32.00	0.00	97.94	-1002206.53	-411242.55	1893640.54	1183525.34	2	qprm
	32.00	0.00	97.94	-1002206.53	-411242.55	1893640.54	1183525.34	6	freq
	281.58	0.01	108.78	2254920.01	445619.45	1893640.54	1183525.34	2	qprm
	281.58	0.01	108.78	2254920.01	445619.45	1893640.54	1183525.34	6	freq
133	32.00	0.01	110.21	2087453.90	-238694.97	1893640.54	1183525.34	1	qprm
	32.00	0.01	110.21	2312110.67	-225905.44	1893640.54	1183525.34	5	freq
	160.00	0.01	98.11	-1462613.50	247368.12	3288453.90	1795244.38	2	qprm
	160.00	0.01	98.11	-1462613.50	247368.12	3288453.90	1795244.38	6	freq
	281.58	0.09	98.11	-5914441.33	674153.90	3288453.90	1795244.38	1	qprm
	281.58	0.09	98.11	-6307793.16	656187.75	3288453.90	1795244.38	5	freq
134	30.25	0.04	168.85	2274414.35	962793.87	4260691.22	1775288.01	1	qprm
	30.25	0.04	168.85	2378464.86	973990.24	4260691.22	1775288.01	5	freq
	151.25	0.01	168.85	967428.84	201068.66	5439772.28	2207303.11	1	qprm
	151.25	0.01	168.85	989718.41	207088.53	5439772.28	2207303.11	5	freq
	266.14	0.01	267.10	58491.48	-528826.51	7207951.27	2279305.62	2	qprm
	266.14	0.01	267.10	-298404.86	-582766.19	7207951.27	2279305.62	4	freq
135	32.00	0.00	139.67	499735.59	-790652.60	5439477.21	1847290.52	1	qprm
	32.00	0.00	139.67	581573.79	-790933.36	5439477.21	1847290.52	5	freq
	160.00	0.00	168.85	-921442.04	-415372.06	5439772.28	2207303.11	2	qprm
	160.00	0.00	168.85	-921442.04	-415372.06	5439772.28	2207303.11	6	freq
	275.70	0.01	168.85	-2421183.94	-169881.32	5439772.28	2207303.11	1	qprm
	275.70	0.01	168.85	-2531013.08	-185248.81	5439772.28	2207303.11	5	freq
136	33.32	0.01	267.10	201222.79	639484.15	4260691.22	1775288.01	1	qprm
	33.32	0.01	267.10	216552.89	658381.58	4260691.22	1775288.01	5	freq
	166.61	0.00	168.85	211162.37	220814.58	5439772.28	2207303.11	1	qprm
	166.61	0.00	168.85	223208.56	229772.17	5439772.28	2207303.11	5	freq
	296.63	0.00	122.24	220859.05	-187623.20	7207951.27	2279305.62	1	qprm
	296.63	0.00	122.24	231817.56	-222299.85	7207951.27	2279305.62	4	freq
137	32.00	0.00	235.80	-422090.78	-1331370.23	5439477.21	1847290.52	2	qprm
	32.00	0.00	235.80	-422090.78	-1331370.23	5439477.21	1847290.52	6	freq
155	62.00	0.00	105.07	1223654.79	180188.48	6586311.95	2991168.19	1	qprm
	62.00	0.00	105.07	1223738.26	183371.43	6586311.95	2991168.19	5	freq
	310.00	0.00	186.88	254243.23	199925.89	6291895.36	3169410.57	1	qprm
	310.00	0.00	186.88	254893.83	200473.77	6291895.36	3169410.57	5	freq

	558.00	0.01	116.96	-722474.64	232186.34	7470681.35	3195083.28	2	qprm
	558.00	0.01	116.96	-722474.64	232186.34	7470681.35	3195083.28	6	freq
156	72.00	0.00	126.06	-1288738.87	8719.00	7602233.88	3409253.86	1	qprm
	72.00	0.00	126.06	-1352597.61	9658.66	7602233.88	3409253.86	4	freq
	648.00	0.01	140.48	986860.28	237304.92	6423927.19	3373742.52	1	qprm
	648.00	0.01	140.48	1065722.26	237014.24	6423927.19	3373742.52	4	freq
175	72.00	0.00	126.88	-410479.45	-486535.03	3271576.55	8059980.41	1	qprm
	72.00	0.00	126.88	-413627.58	-481280.68	3271576.55	8059980.41	5	freq
	360.00	0.00	183.60	-448380.64	-153681.67	3169410.57	6291801.43	1	qprm
	360.00	0.00	183.60	-450098.43	-152676.68	3169410.57	6291801.43	5	freq
	648.00	0.00	186.54	-484557.11	198637.82	3169410.57	6291801.43	2	qprm
	648.00	0.00	186.54	-484557.11	198637.82	3169410.57	6291801.43	6	freq
194	72.00	0.00	126.88	-435820.32	-726004.10	3271576.55	8059980.41	1	qprm
	72.00	0.00	126.88	-442109.54	-720599.98	3271576.55	8059980.41	5	freq
	360.00	0.00	183.60	-506339.58	-83683.48	3169410.57	6291801.43	1	qprm
	360.00	0.00	183.60	-509880.64	-82719.42	3169410.57	6291801.43	5	freq
	648.00	0.00	147.95	-572101.33	579493.17	3169410.57	6291801.43	2	qprm
	648.00	0.00	147.95	-572101.33	579493.17	3169410.57	6291801.43	6	freq
213	648.00	0.00	147.95	-419620.90	129227.37	3169410.57	6291801.43	1	qprm
	648.00	0.00	147.95	-420889.02	133170.76	3169410.57	6291801.43	5	freq
221	62.00	0.00	153.04	-726450.40	-1040966.43	2556414.73	5112829.47	2	qprm
	62.00	0.00	153.04	-726450.40	-1040966.43	2556414.73	5112829.47	6	freq
	558.00	0.00	267.10	590376.81	447223.82	3169410.57	6881288.36	1	qprm
	558.00	0.00	267.10	677101.07	424426.62	3169410.57	6881288.36	4	freq
241	62.00	0.00	153.04	-763931.35	-744183.43	3067244.60	7101322.51	2	qprm
	62.00	0.00	153.04	-763931.35	-744183.43	3067244.60	7101322.51	6	freq
	558.00	0.00	145.54	330868.69	555304.41	3169410.57	6881288.36	2	qprm
	558.00	0.00	145.54	330868.69	555304.41	3169410.57	6881288.36	6	freq
266	62.00	0.00	153.04	-306650.16	-734030.36	3067244.60	7101322.51	2	qprm
	62.00	0.00	153.04	-306650.16	-734030.36	3067244.60	7101322.51	6	freq
	310.00	0.00	145.54	-52178.48	-403992.51	3169410.57	6881288.36	2	qprm
	310.00	0.00	145.54	-52178.48	-403992.51	3169410.57	6881288.36	6	freq
	558.00	0.00	267.10	202293.21	-73954.66	3169410.57	6881288.36	2	qprm
	558.00	0.00	267.10	202293.21	-73954.66	3169410.57	6881288.36	6	freq

Verifica stato limite di esercizio - tensioni massime nel calcestruzzo

Elemento	Ascissa (cm)	Tensione (N/cm2)	Combinazione rara		Comb.	Tensione (N/cm2)	Combinazione quasi permanente		Comb.
			Mz (NxcM)	My (NxcM)			Mz (NxcM)	My (NxcM)	
1	62.25	-49.95	579270.16	-39665.45	7	-35.39	477477.64	12364.11	2
	311.25	-37.96	-115472.67	91086.69	7	-25.51	-67053.52	80722.04	1
	560.25	-85.49	-810215.50	221838.83	7	-59.98	-607751.09	145207.28	2
4	65.32	-86.77	-1091697.81	-97656.19	7	-58.74	-856902.35	-28203.33	1
	326.61	-38.93	-5545.96	75033.47	7	-25.91	-8446.37	64296.22	1
	587.89	-105.93	1080605.89	247723.14	7	-75.07	840009.61	156795.76	1
96	32.00	-174.12	69685.87	354692.99	9	-124.48	2216.80	278588.90	1
	160.00	-196.13	-212044.52	233636.59	9	-164.38	-180278.97	190301.16	1
	283.70	-261.51	-484310.52	116646.91	9	-201.27	-356644.02	104979.34	1
119	40.00	-150.55	957549.83	-226009.82	7	-96.41	618554.45	-126999.19	2
	200.00	-64.07	67043.47	58409.73	7	-39.37	-33895.09	32808.52	1
	354.75	-149.41	-794241.86	333496.34	7	-109.50	-566578.70	286360.30	1
120	32.00	-200.38	489040.17	-2745868.35	7	-182.21	542881.45	-2408334.85	2
	160.00	-131.81	472505.92	230810.92	7	-102.89	316333.64	364034.03	2
	275.70	-273.85	572826.89	2917791.41	9	-246.01	379371.18	2891704.98	1
121	40.00	-142.37	-652741.31	633846.94	9	-126.43	434932.78	876863.22	2
	200.00	-145.76	-645053.15	703033.12	9	-114.28	-433176.82	707388.18	1
	354.75	-155.30	-727129.21	736524.44	7	-121.72	-537015.95	645440.91	1
122	32.00	-358.93	-1380616.91	-4525997.01	9	-294.38	-808602.74	-4391775.37	1
	160.00	-207.47	590121.45	-1050188.78	7	-171.77	418983.04	-1003052.54	1
	275.70	-486.83	2370037.40	2027396.81	9	-356.78	1528605.50	2060035.21	1
123	40.00	-458.78	-3103598.39	1159973.72	9	-429.01	-2650645.25	1197555.64	1
	200.00	-153.51	-888840.36	529834.00	9	-147.96	-805368.70	526760.08	1

	360.00	-120.95	1420414.60	-65146.87	7	-104.89	1039907.85	-144035.48	1
124	32.00	-246.16	-240844.33	-1813557.91	9	-234.29	451957.72	-1678407.38	2
	160.00	-268.98	1611220.54	-1035455.57	9	-251.12	1454204.90	-998084.82	1
	275.70	-295.20	3285313.56	-332123.99	9	-247.89	2695856.80	-316168.93	1
130	32.00	-227.64	-282176.85	221878.14	9	-191.48	-265940.85	170860.83	1
	160.00	-206.69	84035.62	277045.04	9	-170.58	79229.33	234548.60	1
	283.70	-314.28	437945.63	330358.67	9	-286.62	412803.96	296096.85	1
132	32.00	-424.09	-1648502.54	-402473.73	9	-361.74	-1456285.28	-412085.72	1
	160.00	-310.08	867221.61	-3877.50	9	-251.21	784972.82	7476.10	1
	281.58	-573.61	3256812.71	374733.97	9	-510.27	2913859.02	406001.98	1
133	32.00	-431.76	2954540.70	-149802.16	9	-340.40	2087453.90	-238694.97	1
	160.00	-384.00	-2400828.14	225468.34	9	-329.31	-2016372.26	229465.75	1
	281.58	-1028.76	-7487690.21	581923.58	9	-865.78	-5914441.33	674153.90	1
134	30.25	-475.49	2669434.74	1018750.42	9	-428.07	2274414.35	962793.87	1
	151.25	-116.85	1014421.42	152918.16	9	-123.21	967428.84	201068.66	1
	266.14	-202.60	-468617.46	-861801.18	7	-122.12	-273568.75	-522198.09	1
135	32.00	-199.64	848813.20	-774877.24	9	-179.05	499735.59	-790652.60	1
	160.00	-214.75	-1099897.21	-488972.74	9	-196.92	-1034436.34	-464601.21	1
	275.70	-293.32	-2861348.73	-230541.88	9	-244.28	-2421183.94	-169881.32	1
136	33.32	-187.13	284482.28	754799.28	9	-155.13	201222.79	639484.15	1
	166.61	-78.23	284048.56	232379.88	9	-67.79	211162.37	220814.58	1
	296.63	-96.57	291346.36	-383430.16	7	-54.14	220859.05	-187623.20	1
137	32.00	-307.23	-625569.19	-1436468.15	7	-278.46	-399562.08	-1367222.51	1
	160.00	-233.04	-401692.80	-544075.83	9	-201.93	-320256.32	-495343.14	1
	275.70	-190.87	-181244.53	355094.38	7	-169.44	-248571.34	292754.07	1
155	62.00	-97.82	1354474.51	177611.55	7	-90.31	1223654.79	180188.48	1
	310.00	-54.33	299871.94	213797.91	7	-47.98	254243.23	199925.89	1
	558.00	-79.37	-754730.63	249984.28	7	-75.51	-722474.64	232186.34	2
156	72.00	-98.21	-1652891.72	15257.07	7	-76.88	-1288738.87	8719.00	1
	360.00	-36.53	-109565.39	125051.65	7	-33.94	-150939.30	123011.96	1
	648.00	-123.61	1433760.94	234846.23	7	-95.69	986860.28	237304.92	1
174	62.00	-141.39	243201.33	-37685.14	7	-129.55	319315.88	-23778.18	1
	310.00	-108.68	135111.85	-18711.12	7	-90.92	177397.71	-18146.96	1
	558.00	-75.97	27022.37	262.89	7	-52.56	35479.54	-12515.74	1
175	72.00	-93.72	-270415.96	-557136.09	7	-89.96	-410479.45	-486535.03	1
	360.00	-100.01	-463524.22	-159916.28	7	-82.88	-448380.64	-153681.67	1
	648.00	-118.21	-656632.49	237303.52	7	-86.55	-484557.11	198637.82	2
193	62.00	-149.45	221753.50	-107620.87	7	-139.48	351327.31	-110828.09	1
	310.00	-114.19	123196.39	-11150.96	7	-96.90	195181.84	-6875.97	1
	558.00	-93.92	24639.28	85318.95	7	-68.28	35596.78	107129.05	2
194	72.00	-100.90	-358486.10	-722486.98	9	-103.07	-435820.32	-726004.10	1
	360.00	-100.32	-493995.67	-46173.16	7	-86.24	-506339.58	-83683.48	1
	648.00	-156.01	-776488.76	668990.18	7	-120.38	-572101.33	579493.17	2
212	62.00	-129.66	54255.86	-104633.06	7	-122.31	217064.68	-126272.56	1
	310.00	-101.10	30142.14	-14527.53	7	-85.67	120591.49	-8594.48	1
	558.00	-94.68	6028.43	75578.00	7	-69.85	24118.30	109083.59	1
213	72.00	-67.85	-142691.56	-321992.09	9	-67.82	-227445.58	-327899.57	1
	360.00	-81.50	-267716.77	-66164.62	7	-68.72	-323533.24	-99336.10	1
	648.00	-105.64	-591462.79	133467.96	7	-73.08	-419620.90	129227.37	1
221	62.00	-182.06	-1138432.94	-930103.54	7	-135.52	-726450.40	-1040966.43	2
	310.00	-68.16	-28833.91	-306231.19	7	-53.54	-75678.80	-292863.83	2
	558.00	-180.61	1080765.12	317641.16	7	-114.51	590376.81	447223.82	1
241	62.00	-139.90	-867090.59	-647718.33	7	-126.72	-763931.35	-744183.43	2
	310.00	-65.97	-161409.48	-65688.71	7	-55.73	-216531.33	-94439.51	2
	558.00	-116.52	544271.63	516340.92	7	-84.00	330868.69	555304.41	2
266	62.00	-70.44	-306650.16	-734030.36	10	-70.44	-306650.16	-734030.36	2
	310.00	-37.64	-51193.50	-393588.97	7	-35.79	-52178.48	-403992.51	2
	558.00	-34.85	202293.21	-73954.66	10	-34.85	202293.21	-73954.66	2

Verifica stato limite di esercizio - tensioni massime nell'acciaio

Elemento	Ascissa (cm)	Combinazione rara				Combinazione quasi permanente			
		Tensione (N/cm2)	Mz (Nxcm)	My (Nxcm)	Comb.	Tensione (N/cm2)	Mz (Nxcm)	My (Nxcm)	Comb.
1	62.25	676.35	579270.16	-39665.45	7	482.27	477477.64	12364.11	2
	311.25	500.06	-115472.67	91086.69	7	324.98	-67053.52	80722.04	1
	560.25	1001.79	-810215.50	221838.83	7	718.15	-607751.09	145207.28	2
4	65.32	1138.32	-1091697.81	-97656.19	7	782.20	-856902.35	-28203.33	1
	326.61	536.81	-5545.96	75033.47	7	347.73	-8446.37	64296.22	1
	587.89	1275.77	1080605.89	247723.14	7	888.82	840009.61	156795.76	1
96	32.00	1996.70	69685.87	354692.99	9	1480.71	2216.80	278588.90	1
	160.00	2249.21	-212044.52	233636.59	9	1897.12	-180278.97	190301.16	1
	283.70	2790.40	-484310.52	116646.91	9	2205.19	-356644.02	104979.34	1
119	40.00	1830.13	957549.83	-226009.82	7	1172.14	618554.45	-126999.19	2
	200.00	927.72	67043.47	58409.73	7	573.45	-33895.09	32808.52	1
	354.75	1824.96	-794241.86	333496.34	7	1300.89	-566578.70	286360.30	1
120	32.00	2624.08	489040.17	-2745868.35	7	2332.63	542881.45	-2408334.85	2
	160.00	1762.82	472505.92	230810.92	7	1380.29	316333.64	364034.03	2
	275.70	3470.48	572826.89	2917791.41	9	3130.31	379371.18	2891704.98	1
121	40.00	1722.54	-652741.31	633846.94	9	1556.32	434932.78	876863.22	2
	200.00	1744.96	-645053.15	703033.12	9	1394.48	-433176.82	707388.18	1
	354.75	1859.53	-727129.21	736524.44	7	1421.56	-537015.95	645440.91	1
122	32.00	4421.17	-1380616.91	-4525997.01	9	3693.01	-808602.74	-4391775.37	1
	160.00	2750.91	590121.45	-1050188.78	7	2294.50	418983.04	-1003052.54	1
	275.70	5563.45	2370037.40	2027396.81	9	4252.78	1528605.50	2060035.21	1
123	40.00	8939.28	-3103598.39	1159973.72	9	8245.76	-2650645.25	1197555.64	1
	200.00	1968.37	-888840.36	529834.00	9	2004.73	-805368.70	526760.08	1
	360.00	2095.31	1325917.67	-100305.72	9	1663.87	1039907.85	-144035.48	1
124	32.00	2815.26	-240844.33	-1813557.91	9	2609.33	451957.72	-1678407.38	2
	160.00	3330.28	1611220.54	-1035455.57	9	3085.12	1454204.90	-998084.82	1
	275.70	3777.26	3285313.56	-332123.99	9	3184.52	2695856.80	-316168.93	1
130	32.00	2631.75	-282176.85	221878.14	9	2181.76	-265940.85	170860.83	1
	160.00	2505.86	84035.62	277045.04	9	2041.61	79229.33	234548.60	1
	283.70	3368.15	437945.63	330358.67	9	2978.16	412803.96	296096.85	1
132	32.00	5558.01	-1648502.54	-402473.73	9	4665.41	-1456285.28	-412085.72	1
	160.00	4400.19	867221.61	-3877.50	9	3537.15	784972.82	7476.10	1
	281.58	7287.89	3256812.71	374733.97	9	6351.38	2913859.02	406001.98	1
133	32.00	5362.37	2954540.70	-149802.16	9	4220.76	2087453.90	-238694.97	1
	160.00	4800.71	-2400828.14	225468.34	9	4088.94	-2016372.26	229465.75	1
	281.58	13055.85	-7487690.21	581923.58	9	10696.97	-5914441.33	674153.90	1
134	30.25	7755.49	2669434.74	1018750.42	9	7055.96	2274414.35	962793.87	1
	151.25	1474.24	1014421.42	152918.16	9	1503.18	967428.84	201068.66	1
	266.14	2193.75	-468617.46	-861801.18	7	1256.72	-273568.75	-522198.09	1
135	32.00	2470.08	848813.20	-774877.24	9	2173.64	499735.59	-790652.60	1
	160.00	2768.18	-1099897.21	-488972.74	9	2520.00	-1034436.34	-464601.21	1
	275.70	3823.22	-2861348.73	-230541.88	9	3204.96	-2421183.94	-169881.32	1
136	33.32	1975.61	265916.30	747767.25	7	1593.48	201222.79	639484.15	1
	166.61	1020.49	278788.62	175171.76	7	841.82	211162.37	220814.58	1
	296.63	1149.20	291346.36	-383430.16	7	668.42	220859.05	-187623.20	1
137	32.00	3685.98	-625569.19	-1436468.15	7	3296.50	-399562.08	-1367222.51	1
	160.00	3088.78	-401692.80	-544075.83	9	2663.70	-320256.32	-495343.14	1
	275.70	2621.42	-324893.74	246993.79	9	2319.58	-248571.34	292754.07	1
155	62.00	1245.92	1354474.51	177611.55	7	1141.69	1223654.79	180188.48	1
	310.00	697.75	299871.94	213797.91	7	609.91	254243.23	199925.89	1
	558.00	962.76	-754730.63	249984.28	7	901.00	-722474.64	232186.34	2
156	72.00	1289.05	-1652891.72	15257.07	7	1016.14	-1288738.87	8719.00	1
	360.00	492.19	-109565.39	125051.65	7	450.12	-150939.30	123011.96	1
	648.00	1838.18	1433760.94	234846.23	7	1393.52	986860.28	237304.92	1
174	62.00	1964.11	243201.33	-37685.14	7	1737.40	319315.88	-23778.18	1

	310.00	1543.13	135111.85	-18711.12	7	1249.47	177397.71	-18146.96	1
	558.00	1122.14	27022.37	262.89	7	761.54	35479.54	-12515.74	1
175	72.00	1262.77	-270415.96	-557136.09	7	1154.83	-410479.45	-486535.03	1
	360.00	1306.09	-463524.22	-159916.28	7	1051.26	-448380.64	-153681.67	1
	648.00	1479.26	-656632.49	237303.52	7	1062.47	-484557.11	198637.82	2
193	62.00	2057.60	221753.50	-107620.87	7	1843.80	351327.31	-110828.09	1
	310.00	1633.42	123196.39	-11150.96	7	1327.71	195181.84	-6875.97	1
	558.00	1351.40	24639.28	85318.95	7	946.05	35596.78	107129.05	2
194	72.00	1336.37	-211502.58	-761336.51	7	1315.71	-435820.32	-726004.10	1
	360.00	1310.11	-493995.67	-46173.16	7	1081.79	-506339.58	-83683.48	1
	648.00	1916.71	-776488.76	668990.18	7	1444.41	-572101.33	579493.17	2
212	62.00	1858.30	54255.86	-104633.06	7	1656.19	217064.68	-126272.56	1
	310.00	1491.40	30142.14	-14527.53	7	1207.32	120591.49	-8594.48	1
	558.00	1371.41	6028.43	75578.00	7	977.48	24118.30	109083.59	1
213	72.00	975.40	56029.25	-265797.20	7	907.58	-227445.58	-327899.57	1
	360.00	1113.07	-267716.77	-66164.62	7	896.61	-323533.24	-99336.10	1
	648.00	1340.72	-591462.79	133467.96	7	910.54	-419620.90	129227.37	1
221	62.00	2207.17	-1138432.94	-930103.54	7	1659.04	-726450.40	-1040966.43	2
	310.00	984.25	-28833.91	-306231.19	7	748.02	-75678.80	-292863.83	2
	558.00	2110.86	1080765.12	317641.16	7	1375.62	590376.81	447223.82	1
241	62.00	1733.87	-867090.59	-647718.33	7	1531.65	-763931.35	-744183.43	2
	310.00	921.54	-161409.48	-65688.71	7	744.27	-216531.33	-94439.51	2
	558.00	1479.89	544271.63	516340.92	7	1065.11	330868.69	555304.41	2
266	62.00	869.16	-306650.16	-734030.36	10	869.16	-306650.16	-734030.36	2
	310.00	509.56	-51193.50	-393588.97	7	477.45	-52178.48	-403992.51	2
	558.00	403.92	202293.21	-73954.66	10	403.92	202293.21	-73954.66	2

Verifica stato limite di esercizio - deformabilità

Elem	Max. Defless. (cm)	Lunghezza (cm)	Ascissa (cm)	Rapporto Lx/	Tipo Comb.	Comb
1	0.0963	622.5000	622.5000	6462.1665	Rara	7
4	0.1085	653.2130	653.2130	6022.0092	Rara	7
96	0.0417	320.0000	320.0000	7670.6921	Quasi permanente	2
119	0.1566	400.0000	400.0000	2553.9322	Rara	7
120	0.0555	306.0870	320.0000	5763.4535	Quasi permanente	2
121	0.1064	400.0000	400.0000	3759.2842	Rara	7
122	0.0642	320.0000	320.0000	4986.2561	Rara	7
123	0.1388	400.0000	400.0000	2880.8860	Rara	7
124	0.0763	320.0000	320.0000	4196.2082	Rara	7
130	0.0490	320.0000	320.0000	6529.5673	Quasi permanente	2
132	0.0548	292.1739	320.0000	5836.8982	Quasi permanente	2
133	0.0989	97.3913	320.0000	3234.1229	Rara	9
134	0.1092	302.5000	302.5000	2771.2084	Rara	9
135	0.0553	320.0000	320.0000	5785.0293	Frequente	5
136	0.1058	333.2130	333.2130	3150.3248	Rara	9
137	0.0635	320.0000	320.0000	5040.4897	Rara	9
155	0.0677	620.0000	620.0000	9156.9582	Rara	7
156	0.0589	720.0000	720.0000	12219.6559	Frequente	5
174	0.2064	512.1739	620.0000	3004.0654	Rara	7
175	0.0867	720.0000	720.0000	8306.3203	Rara	7
193	0.2794	512.1739	620.0000	2218.9440	Rara	7
194	0.1486	720.0000	720.0000	4845.7332	Rara	7
212	0.2857	620.0000	620.0000	2170.1884	Rara	7
213	0.1642	720.0000	720.0000	4385.7587	Rara	7
221	0.2831	620.0000	620.0000	2189.7288	Rara	7
241	0.2336	620.0000	620.0000	2654.6035	Rara	7
266	0.1283	620.0000	620.0000	4831.0087	Rara	7

PSN va 1

VERIFICA TRAVI

All-In-One EWS 47 (29.11.2018) build 7317

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Travi

Elementi									
Elemento	Dal nodo	Al nodo	Offset estremo sinistro (cm)			Offset estremo destro (cm)			Lunghezza (cm)
			x	y	z	x	y	z	
11	16	129	0.00	0.00	0.00	0.00	0.00	0.00	100.00
17	94	108	0.00	0.00	0.00	0.00	0.00	0.00	100.00
97	113	125	0.00	-12.00	0.00	0.00	-12.00	0.00	130.00
98	125	124	0.00	0.00	0.00	0.00	0.00	0.00	590.00
103	125	115	0.00	-12.00	0.00	0.00	-12.00	0.00	375.00
109	119	122	0.00	-12.00	0.00	0.00	-12.00	0.00	505.00
110	124	119	0.00	-12.00	0.00	0.00	-12.00	0.00	375.00
111	115	121	0.00	-12.00	0.00	0.00	-12.00	0.00	505.00
112	110	120	0.00	-20.00	0.00	0.00	-20.00	0.00	505.00
113	111	110	0.00	-20.00	0.00	0.00	-20.00	0.00	505.00
114	121	122	0.00	-20.00	0.00	0.00	-20.00	0.00	590.00
115	120	121	0.00	-20.00	0.00	0.00	-20.00	0.00	590.00
116	115	119	0.00	-12.00	0.00	0.00	-12.00	0.00	590.00
117	110	115	0.00	-12.00	0.00	0.00	-12.00	0.00	590.00
118	111	113	0.00	-12.00	0.00	0.00	-12.00	0.00	590.00
157	79	94	0.00	-17.50	0.00	0.00	-17.50	0.00	555.00
158	78	93	0.00	-17.50	0.00	0.00	-17.50	0.00	555.00
176	64	79	0.00	-17.50	0.00	0.00	-17.50	0.00	555.00
177	63	78	0.00	-17.50	0.00	0.00	-17.50	0.00	555.00
195	49	64	0.00	-17.50	0.00	0.00	-17.50	0.00	555.00
196	48	63	0.00	-17.50	0.00	0.00	-17.50	0.00	555.00
216	33	49	0.00	-17.50	0.00	0.00	-17.50	0.00	555.00
217	31	48	0.00	-17.50	0.00	0.00	-17.50	0.00	555.00
235	2	31	0.00	-17.50	0.00	0.00	-17.50	0.00	590.00
236	18	33	0.00	-17.50	0.00	0.00	-17.50	0.00	590.00
263	16	18	0.00	-17.50	0.00	0.00	-17.50	0.00	590.00
265	4	2	0.00	-17.50	0.00	0.00	-17.50	0.00	590.00
267	100	16	0.00	0.00	0.00	0.00	0.00	0.00	509.40
268	99	100	0.00	0.00	0.00	0.00	0.00	0.00	505.93
269	4	99	0.00	0.00	0.00	0.00	0.00	0.00	345.01
270	107	94	0.00	0.00	0.00	0.00	0.00	0.00	509.40
271	106	107	0.00	0.00	0.00	0.00	0.00	0.00	505.93
272	93	106	0.00	0.00	0.00	0.00	0.00	0.00	345.01

Sezioni					
Sezione a T					
Elemento	Materiale	Spessore anima (cm)	Altezza anima (cm)	Spessore ala (cm)	Larghezza ala (cm)
97		25.00	16.00	24.00	40.00
103		25.00	16.00	24.00	40.00
111		25.00	16.00	24.00	40.00

Sezione rettangolare			
Elemento	Materiale	Altezza (cm)	Base (cm)
11		40.00	25.00
17		40.00	25.00
98		24.00	25.00
109		40.00	25.00
110		40.00	25.00
112		40.00	25.00
113		40.00	25.00
114		40.00	25.00
115		40.00	25.00
116		40.00	25.00
117		40.00	25.00
118		40.00	25.00
157		35.00	25.00
158		35.00	35.00
176		35.00	25.00
177		35.00	35.00
195		35.00	25.00
196		35.00	35.00
216		35.00	25.00
217		35.00	35.00

235	35.00	35.00
236	35.00	25.00
263	35.00	25.00
265	35.00	35.00
267	64.00	25.00
268	64.00	25.00
269	64.00	25.00
270	64.00	25.00
271	64.00	25.00
272	64.00	25.00

Sollecitazioni agli estremi degli elementi
Condizione "(1) Dinamica SLOh Y"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	8.9780e+003	-5.1835e+002	1.6015e+002	-7.5577e+003	2.9547e+005	-2.0072e+004
	8.9780e+003	-5.1835e+002	1.6015e+002	-7.5577e+003	3.1125e+005	-6.1780e+004
17	-9.8822e+003	-5.3901e+002	3.9199e+002	-7.2786e+003	2.7070e+005	5.3887e+004
	-9.8822e+003	-5.3901e+002	3.9199e+002	-7.2786e+003	3.0933e+005	-2.0806e+001
97	6.9004e-011	2.2743e+003	-4.7416e-011	-1.8535e+005	-1.1248e-009	-6.2116e+005
	6.9004e-011	2.2743e+003	-4.7416e-011	-1.8535e+005	-1.8646e-009	-3.2589e+005
98	2.9119e-011	1.7385e-015	-9.2780e-015	-1.5816e+004	-2.1365e-011	0.0000e+000
	2.9119e-011	1.7385e-015	-9.2780e-015	-1.5816e+004	1.0430e-011	0.0000e+000
103	4.8031e-011	2.2743e+003	-3.1966e-012	-1.8535e+005	4.1967e-010	-3.3784e+005
	4.8031e-011	2.2743e+003	-3.1966e-012	-1.8535e+005	1.3680e-010	5.1547e+005
109	1.3507e+004	1.3414e+003	2.3966e+002	2.8625e+005	-4.4617e+004	-2.5310e+005
	1.3507e+004	1.3414e+003	2.3966e+002	2.8625e+005	7.7073e+004	4.3056e+005
110	5.8661e-011	2.4000e+003	2.0157e-013	-4.5919e+005	4.4562e-011	-5.2214e+005
	5.8661e-011	2.4000e+003	2.0157e-013	-4.5919e+005	3.2523e-011	3.7889e+005
111	-2.6933e-011	1.6447e+003	-5.8666e-014	6.9636e+005	5.9116e-011	-3.8761e+005
	-2.6933e-011	1.6447e+003	-5.8666e-014	6.9636e+005	9.0414e-011	4.5629e+005
112	1.5750e-011	2.2548e+003	-5.6881e-014	1.9690e+004	6.2323e-011	-5.7079e+005
	1.5750e-011	2.2548e+003	-5.6881e-014	1.9690e+004	6.1151e-011	5.6799e+005
113	1.5750e-011	-4.2769e+003	4.0173e-013	-2.3678e+004	-5.0010e-011	1.1255e+006
	1.5750e-011	-4.2769e+003	4.0173e-013	-2.3678e+004	-9.6793e-011	-1.0344e+006
114	3.0244e+004	1.6264e+004	1.3234e+002	-3.4393e+004	-2.4175e+004	-4.6922e+006
	3.0244e+004	1.6264e+004	1.3234e+002	-3.4393e+004	5.3933e+004	4.9038e+006
115	-1.1728e-010	1.3197e+004	1.3699e-013	-4.0431e+004	1.7848e-011	-3.7960e+006
	-1.1728e-010	1.3197e+004	1.3699e-013	-4.0431e+004	2.0790e-011	3.9903e+006
116	9.9414e-011	5.9803e+003	5.3836e-014	-2.0090e+004	8.2005e-012	-1.5543e+006
	9.9414e-011	5.9803e+003	5.3836e-014	-2.0090e+004	1.0361e-011	1.9743e+006
117	9.9414e-011	7.9235e+003	1.3699e-013	-6.7441e+004	1.7848e-011	-2.8040e+006
	9.9414e-011	7.9235e+003	1.3699e-013	-6.7441e+004	2.0790e-011	1.8722e+006
118	-1.7464e-010	9.4129e+003	1.3699e-013	-8.6544e+004	1.7848e-011	-3.1278e+006
	-1.7464e-010	9.4129e+003	1.3699e-013	-8.6544e+004	2.0790e-011	2.4328e+006
157	-3.8100e+003	8.5636e+003	-5.2832e+002	-3.6381e+004	1.5333e+005	-2.4542e+006
	-3.8100e+003	8.5636e+003	-5.2832e+002	-3.6381e+004	-1.3990e+005	2.2988e+006
158	-3.9021e+003	7.4715e+003	9.8594e+000	1.9505e+004	-9.0125e+003	-1.4669e+006
	-3.9021e+003	7.4715e+003	9.8594e+000	1.9505e+004	-6.6263e+003	2.6799e+006
176	-3.2142e+003	9.5259e+003	-5.7579e+002	-1.2360e+004	1.5647e+005	-2.6215e+006
	-3.2142e+003	9.5259e+003	-5.7579e+002	-1.2360e+004	-1.6309e+005	2.6654e+006
177	-8.5891e+003	3.2337e+003	-1.0495e+001	-2.4704e+004	5.8839e+003	-9.6789e+005
	-8.5891e+003	3.2337e+003	-1.0495e+001	-2.4704e+004	1.0573e+003	8.2711e+005
195	3.8147e+003	9.6428e+003	-5.7729e+002	-2.4288e+004	1.6084e+005	-2.6770e+006
	3.8147e+003	9.6428e+003	-5.7729e+002	-2.4288e+004	-1.5956e+005	2.6747e+006
196	-1.3806e+004	2.9234e+003	-1.0927e+001	-2.3952e+004	-3.1152e+003	-6.6967e+005
	-1.3806e+004	2.9234e+003	-1.0927e+001	-2.3952e+004	-8.7611e+003	9.5279e+005
216	5.2383e+003	9.5752e+003	-5.8019e+002	-1.2682e+005	1.5902e+005	-2.6511e+006
	5.2383e+003	9.5752e+003	-5.8019e+002	-1.2682e+005	-1.6311e+005	

						2.6654e+006
217	-1.8714e+004	8.5607e+003	5.8968e+000	-1.8169e+004	3.7373e+003	-3.1028e+006
	-1.8714e+004	8.5607e+003	5.8968e+000	-1.8169e+004	3.2995e+003	1.6484e+006
235	-1.0621e+004	1.3674e+004	1.1693e+001	1.9061e+004	-6.9509e+003	-3.9880e+006
	-1.0621e+004	1.3674e+004	1.1693e+001	1.9061e+004	3.1492e+003	4.0796e+006
236	5.6215e+003	8.3284e+003	-5.1299e+002	6.5645e+004	1.5594e+005	-2.5029e+006
	5.6215e+003	8.3284e+003	-5.1299e+002	6.5645e+004	-1.4673e+005	2.4109e+006
263	5.4463e+003	7.8908e+003	-4.9409e+002	8.6477e+004	1.4211e+005	-2.3067e+006
	5.4463e+003	7.8908e+003	-4.9409e+002	8.6477e+004	-1.4941e+005	2.3490e+006
265	-2.6862e+003	1.4355e+004	2.3218e+001	1.5052e+005	-4.6124e+003	-4.4796e+006
	-2.6862e+003	1.4355e+004	2.3218e+001	1.5052e+005	1.0268e+004	3.9900e+006
267	1.9896e+004	3.5750e+003	5.3582e+002	-4.6755e+005	-1.0481e+005	-8.5108e+005
	1.9896e+004	3.5750e+003	5.3582e+002	-4.6755e+005	-4.3486e+004	-4.3320e+005
	1.8014e+004	3.4442e+003	1.1383e+003	-4.3723e+005	-6.8774e+004	-4.3400e+005
	1.8014e+004	3.4442e+003	1.1383e+003	-4.3723e+005	7.7383e+004	-2.0803e+005
	8.6952e+003	3.3807e+003	8.8321e+002	-4.2493e+005	-1.7983e+005	-1.8499e+005
	8.6952e+003	3.3807e+003	8.8321e+002	-4.2493e+005	-6.9549e+004	5.1602e+005
	9.9270e+003	3.6733e+003	1.9747e+003	-3.7959e+005	-2.0298e+004	5.2096e+005
	9.9270e+003	3.6733e+003	1.9747e+003	-3.7959e+005	2.2978e+005	9.5071e+005
268	2.3636e+004	-4.5642e+003	-3.4000e+002	-8.8383e+004	-3.3896e+004	-5.0095e+005
	2.3636e+004	-4.5642e+003	-3.4000e+002	-8.8383e+004	-6.6130e+004	-3.2775e+005
	2.3266e+004	4.2737e+003	-2.5790e+002	7.8541e+004	-6.7148e+004	-2.9924e+005
	2.3266e+004	4.2737e+003	-2.5790e+002	7.8541e+004	-5.3394e+004	-7.3340e+005
	2.2144e+004	4.0888e+003	7.3625e+002	8.1182e+004	-7.9612e+004	-7.2459e+005
	2.2144e+004	4.0888e+003	7.3625e+002	8.1182e+004	-2.1355e+004	-1.2279e+006
	2.1968e+004	-4.9828e+003	-9.5316e+002	-1.0575e+005	-1.9360e+004	-1.0097e+006
	2.1968e+004	-4.9828e+003	-9.5316e+002	-1.0575e+005	-1.0679e+005	-4.8022e+005
269	1.4261e+004	-8.5475e+003	-6.8236e+002	-4.5961e+005	1.4722e+004	-5.6525e+005
	1.4261e+004	-8.5475e+003	-6.8236e+002	-4.5961e+005	-9.1370e+004	-1.7178e+006
	4.8462e+003	-7.7176e+003	-2.2144e+003	-3.5462e+005	1.2041e+005	1.1256e+006
	4.8462e+003	-7.7176e+003	-2.2144e+003	-3.5462e+005	-1.0108e+005	3.7490e+005
	9.7887e+003	-7.6314e+003	-1.8190e+003	-1.2784e+005	6.6298e+004	4.3220e+005
	9.7887e+003	-7.6314e+003	-1.8190e+003	-1.2784e+005	-1.3213e+005	-4.5100e+005
270	-1.2426e+004	-5.0419e+003	9.4609e+002	-4.6890e+005	-5.4496e+004	5.1829e+005
	-1.2426e+004	-5.0419e+003	9.4609e+002	-4.6890e+005	6.7584e+004	-1.4971e+005
	-5.2692e+003	-5.3178e+003	5.1543e+002	-4.5837e+005	-1.4889e+005	1.3362e+005
	-5.2692e+003	-5.3178e+003	5.1543e+002	-4.5837e+005	-9.2105e+004	-7.7905e+005
	-9.7011e+003	-4.9822e+003	1.2746e+003	-4.1789e+005	2.7795e+004	-7.5637e+005
	-9.7011e+003	-4.9822e+003	1.2746e+003	-4.1789e+005	1.7830e+005	-1.3821e+006
	-1.3201e+004	-4.8539e+003	6.2184e+002	-4.9598e+005	-1.0727e+005	1.1179e+006
	-1.3201e+004	-4.8539e+003	6.2184e+002	-4.9598e+005	-3.3752e+004	5.0110e+005
271	-1.8001e+004	-3.3204e+003	2.5215e+002	-9.3704e+004	-3.6149e+004	5.6149e+005
	-1.8001e+004	-3.3204e+003	2.5215e+002	-9.3704e+004	-5.2178e+004	2.0613e+005
	-1.7806e+004	-3.4421e+003	2.2501e+002	-7.6641e+004	-6.1526e+004	2.2025e+005
	-1.7806e+004	-3.4421e+003	2.2501e+002	-7.6641e+004	-4.7742e+004	3.7228e+005
	-1.7711e+004	-3.6284e+003	4.6873e+002	-7.0468e+004	-5.9728e+004	3.6360e+005
	-1.7711e+004	-3.6284e+003	4.6873e+002	-7.0468e+004	-1.4523e+004	7.9283e+005
	-1.6837e+004	-3.2627e+003	-6.6409e+002	-1.1797e+005	-2.4111e+004	9.4727e+005
	-1.6837e+004	-3.2627e+003	-6.6409e+002	-1.1797e+005	-8.4901e+004	5.6622e+005
272	-3.7570e+003	5.6734e+003	-2.1284e+003	4.5649e+005	1.1176e+005	-1.1824e+006
	-3.7570e+003	5.6734e+003	-2.1284e+003	4.5649e+005	-1.0113e+005	-6.2126e+005
	-8.2496e+003	5.4282e+003	-1.9608e+003	4.5648e+005	8.1546e+004	-6.4310e+005
	-8.2496e+003	5.4282e+003	-1.9608e+003	4.5648e+005	-1.3239e+005	1.2473e+005
	-1.3367e+004	5.4336e+003	-8.7226e+002	4.7770e+005	2.5556e+004	1.3318e+005
	-1.3367e+004	5.4336e+003	-8.7226e+002	4.7770e+005	-9.4838e+004	

7.0444e+005

Condizione "(1) Dinamica SLOh X"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	1.2703e+003	-7.1899e+002	-1.6673e+002	-1.1913e+003	4.8053e+004	5.2192e+004
	1.2703e+003	-7.1899e+002	-1.6673e+002	-1.1913e+003	4.6759e+004	-2.2181e+004
17	-1.3580e+003	-5.7660e+002	2.8493e+002	9.3109e+002	-4.7260e+004	5.7773e+004
	-1.3580e+003	-5.7660e+002	2.8493e+002	9.3109e+002	4.0327e+004	1.1404e+002
97	-2.8566e-010	1.1567e+004	-1.3742e-011	-1.2357e+005	-7.0183e-010	-3.2652e+006
	-2.8566e-010	1.1567e+004	-1.3742e-011	-1.2357e+005	-1.2316e-009	-1.7616e+006
98	-3.6380e-012	7.1541e-015	-4.0479e-014	-3.0432e+004	2.9178e-011	0.0000e+000
	-3.6380e-012	7.1541e-015	-4.0479e-014	-3.0432e+004	-2.0078e-011	0.0000e+000
103	-2.1684e-010	1.1567e+004	-1.8082e-013	-1.2357e+005	-7.0292e-011	-1.7903e+006
	-2.1684e-010	1.1567e+004	-1.8082e-013	-1.2357e+005	1.2298e-010	2.5479e+006
109	1.4894e+004	6.9268e+003	3.6266e+002	-5.2806e+004	-6.1443e+004	-1.0541e+006
	1.4894e+004	6.9268e+003	3.6266e+002	-5.2806e+004	1.2181e+005	2.4486e+006
110	1.4955e-010	5.0790e+003	-1.4429e-013	-1.6463e+005	-2.6427e-011	-1.2356e+006
	1.4955e-010	5.0790e+003	-1.4429e-013	-1.6463e+005	2.2922e-011	6.7869e+005
111	8.6162e-011	1.1381e+004	-1.0035e-013	-1.0404e+005	-6.7198e-011	-2.4039e+006
	8.6162e-011	1.1381e+004	-1.0035e-013	-1.0404e+005	-8.8650e-011	3.3471e+006
112	6.1449e-011	1.6587e+004	-4.0140e-014	-1.9376e+004	-2.8521e-011	-4.1873e+006
	6.1449e-011	1.6587e+004	-4.0140e-014	-1.9376e+004	-3.4053e-011	4.1893e+006
113	6.1449e-011	2.0437e+004	-2.9669e-014	4.1068e+004	-5.0489e-011	-5.3214e+006
	6.1449e-011	2.0437e+004	-2.9669e-014	4.1068e+004	3.8996e-011	4.9994e+006
114	-1.2613e+004	2.1776e+003	2.4596e+002	-3.0248e+004	-4.6654e+004	-6.2851e+005
	-1.2613e+004	2.1776e+003	2.4596e+002	-3.0248e+004	9.8502e+004	6.5631e+005
115	1.6382e-011	2.6327e+003	4.4208e-014	1.0447e+005	2.2921e-011	-7.6711e+005
	1.6382e-011	2.6327e+003	4.4208e-014	1.0447e+005	5.1659e-011	7.8626e+005
116	-1.9447e-011	1.3942e+003	-1.6110e-013	1.1796e+005	-1.9962e-011	-3.8502e+005
	-1.9447e-011	1.3942e+003	-1.6110e-013	1.1796e+005	-3.0983e-011	4.3804e+005
117	-1.9447e-011	1.0442e+003	4.4208e-014	2.6946e+005	2.2921e-011	-3.4977e+005
	-1.9447e-011	1.0442e+003	4.4208e-014	2.6946e+005	5.1659e-011	2.8636e+005
118	2.0755e-011	-1.5947e+003	4.4208e-014	2.1873e+005	2.2921e-011	3.8031e+005
	2.0755e-011	-1.5947e+003	4.4208e-014	2.1873e+005	5.1659e-011	-6.3619e+005
157	-8.7884e+003	-1.6307e+003	7.7869e+001	2.0242e+005	-2.3311e+004	4.8088e+005
	-8.7884e+003	-1.6307e+003	7.7869e+001	2.0242e+005	1.9964e+004	-4.2438e+005
158	1.1663e+004	3.0754e+003	-7.4184e+001	1.4079e+005	2.5919e+004	-6.9378e+005
	1.1663e+004	3.0754e+003	-7.4184e+001	1.4079e+005	-1.5309e+004	1.0142e+006
176	-2.0431e+004	-1.1858e+003	-7.5207e+001	2.4387e+004	2.0579e+004	3.2712e+005
	-2.0431e+004	-1.1858e+003	-7.5207e+001	2.4387e+004	-2.1175e+004	-3.3154e+005
177	2.6426e+004	-4.5184e+002	-2.8188e+001	1.3306e+005	1.7794e+004	1.6788e+005
	2.6426e+004	-4.5184e+002	-2.8188e+001	1.3306e+005	4.9754e+003	-1.9593e+005
195	-2.4958e+004	1.2212e+003	-7.5551e+001	-1.6456e+004	2.1436e+004	-3.3814e+005
	-2.4958e+004	1.2212e+003	-7.5551e+001	-1.6456e+004	-2.0860e+004	3.3974e+005
196	3.2252e+004	-4.8682e+002	-1.4054e+001	1.3012e+005	9.2202e+003	1.1298e+005
	3.2252e+004	-4.8682e+002	-1.4054e+001	1.3012e+005	1.0133e+004	-1.5741e+005
216	-2.3577e+004	1.2863e+003	-8.0671e+001	-1.3017e+005	2.3076e+004	-3.6788e+005
	-2.3577e+004	1.2863e+003	-8.0671e+001	-1.3017e+005	-2.2131e+004	3.5028e+005
217	3.0801e+004	-1.5711e+003	3.2343e+001	1.1384e+005	4.3992e+003	5.7179e+005
	3.0801e+004	-1.5711e+003	3.2343e+001	1.1384e+005	1.7560e+004	-3.0021e+005
235	2.4214e+004	-2.5176e+003	3.5438e+001	-1.5090e+005	6.7269e+003	7.3818e+005
	2.4214e+004	-2.5176e+003	3.5438e+001	-1.5090e+005	1.7145e+004	-7.4742e+005
236	-1.7463e+004	1.2897e+003	-7.8355e+001	1.1980e+005	2.3622e+004	-3.8391e+005
	-1.7463e+004	1.2897e+003	-7.8355e+001	1.1980e+005	-2.2631e+004	3.7753e+005
263	-6.1190e+003	1.5254e+003	-7.7170e+001	-2.2238e+005	2.1745e+004	-4.4352e+005
	-6.1190e+003	1.5254e+003	-7.7170e+001	-2.2238e+005	-2.3827e+004	4.5710e+005

265	1.0750e+004	-2.6272e+003	6.1788e+001	-6.9943e+005	-1.3564e+004	8.4181e+005
	1.0750e+004	-2.6272e+003	6.1788e+001	-6.9943e+005	2.3241e+004	-7.0890e+005
267	-1.6167e+004	2.0615e+004	-1.2265e+003	-3.4448e+005	7.7824e+004	-4.6134e+006
	-1.6167e+004	2.0615e+004	-1.2265e+003	-3.4448e+005	-8.2333e+004	-1.9869e+006
	-8.6082e+003	1.9727e+004	-9.1980e+002	-3.3024e+005	6.0351e+004	-2.0720e+006
	-8.6082e+003	1.9727e+004	-9.1980e+002	-3.3024e+005	-5.8094e+004	4.5891e+005
	-3.0717e+003	1.9218e+004	-7.1250e+002	-3.2141e+005	4.8863e+004	4.5682e+005
	-3.0717e+003	1.9218e+004	-7.1250e+002	-3.2141e+005	-5.4478e+004	2.9206e+006
	3.4655e+003	2.0182e+004	-5.7316e+002	3.1071e+005	3.3013e+004	2.9970e+006
	3.4655e+003	2.0182e+004	-5.7316e+002	3.1071e+005	-5.2835e+004	5.5322e+006
	-9.4011e+003	2.4236e+004	-1.4746e+003	2.4074e+005	8.9471e+004	-3.2492e+006
	-9.4011e+003	2.4236e+004	-1.4746e+003	2.4074e+005	-1.0239e+005	-1.5260e+005
268	-7.1816e+003	2.3466e+004	-1.2849e+003	2.2329e+005	7.7286e+004	-1.7483e+005
	-7.1816e+003	2.3466e+004	-1.2849e+003	2.2329e+005	-9.1722e+004	2.8445e+006
	1.2815e+004	2.3126e+004	-1.2375e+003	2.0815e+005	7.6163e+004	2.9143e+006
	1.2815e+004	2.3126e+004	-1.2375e+003	2.0815e+005	-8.5268e+004	5.8988e+006
	-1.7410e+004	2.5490e+004	-2.1374e+003	2.5893e+005	1.2151e+005	-6.1984e+006
	-1.7410e+004	2.5490e+004	-2.1374e+003	2.5893e+005	-1.3814e+005	-3.1279e+006
	1.5035e+004	2.8284e+004	-1.2966e+003	-6.8955e+005	8.3382e+004	1.9401e+006
	1.5035e+004	2.8284e+004	-1.2966e+003	-6.8955e+005	-9.4113e+004	5.7839e+006
	-2.1060e+003	2.9698e+004	-1.8335e+003	-6.1409e+005	9.9588e+004	-4.1795e+006
	-2.1060e+003	2.9698e+004	-1.8335e+003	-6.1409e+005	-8.4159e+004	-1.2150e+006
269	6.2213e+003	2.9687e+004	-1.8298e+003	2.4904e+005	9.1076e+004	-1.2860e+006
	6.2213e+003	2.9687e+004	-1.8298e+003	2.4904e+005	-1.0882e+005	1.9619e+006
	-6.5087e+003	2.8515e+004	1.3839e+003	5.6255e+004	-8.8889e+004	-2.4903e+006
	-6.5087e+003	2.8515e+004	1.3839e+003	5.6255e+004	8.8605e+004	1.1666e+006
	2.0802e+003	2.9546e+004	1.1514e+003	5.5624e+004	-7.1812e+004	1.1038e+006
	2.0802e+003	2.9546e+004	1.1514e+003	5.5624e+004	7.8556e+004	4.8927e+006
	6.7368e+003	3.0605e+004	6.6224e+002	5.3726e+004	-5.4293e+004	4.7393e+006
	6.7368e+003	3.0605e+004	6.6224e+002	5.3726e+004	3.4021e+004	8.5839e+006
	-1.5505e+004	2.7914e+004	1.6587e+003	5.9025e+004	-1.1269e+005	-6.0963e+006
	-1.5505e+004	2.7914e+004	1.6587e+003	5.9025e+004	9.9242e+004	-2.5395e+006
270	-1.5487e+004	2.6130e+004	1.6098e+003	5.5032e+004	-1.1072e+005	-3.7552e+006
	-1.5487e+004	2.6130e+004	1.6098e+003	5.5032e+004	9.5949e+004	-4.0473e+005
	-5.8881e+003	2.6782e+004	1.6100e+003	5.3793e+004	-1.0866e+005	-4.1108e+005
	-5.8881e+003	2.6782e+004	1.6100e+003	5.3793e+004	9.8192e+004	3.0242e+006
	4.9714e+003	2.7900e+004	1.6673e+003	5.3211e+004	-1.0678e+005	2.9107e+006
	4.9714e+003	2.7900e+004	1.6673e+003	5.3211e+004	1.0853e+005	6.5116e+006
	-2.5179e+004	2.5887e+004	1.8163e+003	5.7080e+004	-1.2232e+005	-6.9670e+006
	-2.5179e+004	2.5887e+004	1.8163e+003	5.7080e+004	9.6891e+004	-3.8483e+006
	-1.9394e+004	4.6492e+004	1.7179e+003	1.2179e+005	-1.0183e+005	-9.7601e+006
	-1.9394e+004	4.6492e+004	1.7179e+003	1.2179e+005	7.0019e+004	-5.1109e+006
271	-1.2707e+004	4.4546e+004	1.6898e+003	1.2179e+005	-9.7968e+004	-5.2940e+006
	-1.2707e+004	4.4546e+004	1.6898e+003	1.2179e+005	8.6424e+004	-4.3838e+005
	-4.2300e+003	4.4660e+004	1.4931e+003	1.2728e+005	-1.0859e+005	-4.7091e+005
	-4.2300e+003	4.4660e+004	1.4931e+003	1.2728e+005	9.4701e+004	5.6038e+006
272						

Condizione "(1) Dinamica SLVh Y"						
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Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	2.3560e+004	-1.3607e+003	4.1905e+002	-1.9809e+004	7.7481e+005	-5.2334e+004
	2.3560e+004	-1.3607e+003	4.1905e+002	-1.9809e+004	8.1612e+005	-1.6199e+005
17	-2.5942e+004	-1.4151e+003	1.0286e+003	-1.9109e+004	7.1065e+005	1.4147e+005
	-2.5942e+004	-1.4151e+003	1.0286e+003	-1.9109e+004	8.1210e+005	-5.4614e+001
97	-1.3093e-010	5.9325e+003	1.1464e-010	-4.8657e+005	3.5978e-009	-1.6206e+006
	-1.3093e-010	5.9325e+003	1.1464e-010	-4.8657e+005	3.7274e-009	-8.5035e+005
98	-2.3448e-010	4.5160e-015	8.0698e-014	-4.1398e+004	-3.5349e-011	0.0000e+000

	-2.3448e-010	4.5160e-015	8.0698e-014	-4.1398e+004	4.4756e-011	0.0000e+000
103	-8.0333e-011	5.9325e+003	-5.4835e-012	-4.8657e+005	1.6191e-009	-8.8157e+005
	-8.0333e-011	5.9325e+003	-5.4835e-012	-4.8657e+005	-6.7683e-010	1.3443e+006
109	3.5457e+004	3.5074e+003	6.2903e+002	7.5152e+005	-1.1694e+005	-6.6147e+005
	3.5457e+004	3.5074e+003	6.2903e+002	7.5152e+005	2.0234e+005	1.1263e+006
110	-5.8758e-011	6.2687e+003	-5.0782e-013	-1.2054e+006	2.8479e-010	-1.3640e+006
	-5.8758e-011	6.2687e+003	-5.0782e-013	-1.2054e+006	-5.7298e-011	9.8957e+005
111	8.5459e-011	4.3060e+003	-2.3191e-012	1.8282e+006	-8.5291e-010	-1.0133e+006
	8.5459e-011	4.3060e+003	-2.3191e-012	1.8282e+006	1.4831e-010	1.1960e+006
112	9.6439e-011	5.9092e+003	9.2401e-013	5.0547e+004	-2.9055e-010	-1.4955e+006
	9.6439e-011	5.9092e+003	9.2401e-013	5.0547e+004	-1.0412e-010	1.4888e+006
113	9.6439e-011	-1.1221e+004	-1.7764e-015	-6.1753e+004	-1.4496e-010	2.9527e+006
	9.6439e-011	-1.1221e+004	-1.7764e-015	-6.1753e+004	1.9026e-010	-2.7139e+006
114	7.7217e+004	4.2698e+004	3.4633e+002	-9.0045e+004	-6.3238e+004	-1.2318e+007
	7.7217e+004	4.2698e+004	3.4633e+002	-9.0045e+004	1.4116e+005	1.2874e+007
115	-1.4068e-010	3.4645e+004	2.9841e-013	-1.0585e+005	1.9914e-011	-9.9651e+006
	-1.4068e-010	3.4645e+004	2.9841e-013	-1.0585e+005	-2.2403e-011	1.0475e+007
116	3.7045e-010	1.5695e+004	1.3337e-013	-5.2523e+004	2.2463e-011	-4.0789e+006
	3.7045e-010	1.5695e+004	1.3337e-013	-5.2523e+004	1.8948e-011	5.1817e+006
117	3.7045e-010	2.0801e+004	2.9841e-013	-1.7647e+005	1.9914e-011	-7.3615e+006
	3.7045e-010	2.0801e+004	2.9841e-013	-1.7647e+005	-2.2403e-011	4.9147e+006
118	-1.3028e-010	2.4712e+004	2.9841e-013	-2.2620e+005	1.9914e-011	-8.2117e+006
	-1.3028e-010	2.4712e+004	2.9841e-013	-2.2620e+005	-2.2403e-011	6.3865e+006
157	-9.9825e+003	2.2482e+004	-1.3870e+003	-9.5498e+004	4.0253e+005	-6.4432e+006
	-9.9825e+003	2.2482e+004	-1.3870e+003	-9.5498e+004	-3.6726e+005	6.0350e+006
158	-1.0229e+004	1.9615e+004	2.5852e+001	5.1126e+004	-2.3630e+004	-3.8512e+006
	-1.0229e+004	1.9615e+004	2.5852e+001	5.1126e+004	-1.7389e+004	7.0355e+006
176	-8.4153e+003	2.5009e+004	-1.5116e+003	-3.2362e+004	4.1078e+005	-6.8825e+006
	-8.4153e+003	2.5009e+004	-1.5116e+003	-3.2362e+004	-4.2817e+005	6.9976e+006
177	-2.2532e+004	8.4895e+003	-2.7546e+001	-6.4785e+004	1.5440e+004	-2.5410e+006
	-2.2532e+004	8.4895e+003	-2.7546e+001	-6.4785e+004	2.7573e+003	2.1714e+006
195	9.8887e+003	2.5316e+004	-1.5156e+003	-6.3457e+004	4.2226e+005	-7.0283e+006
	9.8887e+003	2.5316e+004	-1.5156e+003	-6.3457e+004	-4.1888e+005	7.0221e+006
196	-3.6224e+004	7.6749e+003	-2.8663e+001	-6.2813e+004	-8.1743e+003	-1.7581e+006
	-3.6224e+004	7.6749e+003	-2.8663e+001	-6.2813e+004	-2.2993e+004	2.5014e+006
216	1.3607e+004	2.5129e+004	-1.5226e+003	-3.3133e+005	4.1719e+005	-6.9556e+006
	1.3607e+004	2.5129e+004	-1.5226e+003	-3.3133e+005	-4.2814e+005	6.9966e+006
217	-4.9107e+004	2.2475e+004	1.5378e+001	-4.7629e+004	9.7986e+003	-8.1459e+006
	-4.9107e+004	2.2475e+004	1.5378e+001	-4.7629e+004	8.6464e+003	4.3276e+006
235	-2.7857e+004	3.5899e+004	3.0628e+001	5.0044e+004	-1.8247e+004	-1.0470e+007
	-2.7857e+004	3.5899e+004	3.0628e+001	5.0044e+004	8.1464e+003	1.0710e+007
236	1.4713e+004	2.1831e+004	-1.3450e+003	1.7203e+005	4.0889e+005	-6.5608e+006
	1.4713e+004	2.1831e+004	-1.3450e+003	1.7203e+005	-3.8467e+005	6.3195e+006
263	1.4290e+004	2.0685e+004	-1.2955e+003	2.2592e+005	3.7264e+005	-6.0469e+006
	1.4290e+004	2.0685e+004	-1.2955e+003	2.2592e+005	-3.9172e+005	6.1571e+006
265	-7.0497e+003	3.7686e+004	6.0767e+001	3.9492e+005	-1.1940e+004	-1.1760e+007
	-7.0497e+003	3.7686e+004	6.0767e+001	3.9492e+005	2.6943e+004	1.0475e+007
267	5.2137e+004	9.1726e+003	1.3984e+003	-1.2269e+006	-2.7462e+005	-2.1898e+006
	5.2137e+004	9.1726e+003	1.3984e+003	-1.2269e+006	-1.1414e+005	-1.1212e+006
	4.7241e+004	8.8377e+003	2.9796e+003	-1.1474e+006	-1.7993e+005	-1.1215e+006
	4.7241e+004	8.8377e+003	2.9796e+003	-1.1474e+006	2.0266e+005	-5.4440e+005
	2.2809e+004	8.6752e+003	2.3132e+003	-1.1151e+006	-4.7135e+005	-4.8397e+005
	2.2809e+004	8.6752e+003	2.3132e+003	-1.1151e+006	-1.8248e+005	1.3253e+006
	2.6059e+004	9.4578e+003	5.1718e+003	-9.9627e+005	-5.3210e+004	1.3377e+006
	2.6059e+004	9.4578e+003	5.1718e+003	-9.9627e+005	6.0177e+005	

						2.4409e+006
268	6.2008e+004	-1.1871e+004	-8.8961e+002	-2.3017e+005	-8.8517e+004	-1.2931e+006
	6.2008e+004	-1.1871e+004	-8.8961e+002	-2.3017e+005	-1.7361e+005	-8.5996e+005
	6.1061e+004	-1.1107e+004	-6.6435e+002	2.0353e+005	-1.7575e+005	-7.8487e+005
	6.1061e+004	-1.1107e+004	-6.6435e+002	2.0353e+005	-1.4014e+005	-1.9180e+006
	5.8132e+004	1.0618e+004	1.9196e+003	2.0989e+005	-2.0825e+005	-1.8946e+006
	5.8132e+004	1.0618e+004	1.9196e+003	2.0989e+005	-5.4883e+004	-3.2017e+006
	5.7601e+004	-1.2968e+004	-2.5023e+003	-2.7642e+005	-5.0642e+004	-2.6148e+006
	5.7601e+004	-1.2968e+004	-2.5023e+003	-2.7642e+005	-2.8033e+005	-1.2397e+006
269	3.7431e+004	-2.2391e+004	-1.7902e+003	-1.2000e+006	3.8020e+004	-1.4719e+006
	3.7431e+004	-2.2391e+004	-1.7902e+003	-1.2000e+006	-2.3987e+005	-4.4929e+006
	1.2721e+004	-2.0208e+004	-5.8133e+003	-9.2442e+005	3.1611e+005	2.9532e+006
	1.2721e+004	-2.0208e+004	-5.8133e+003	-9.2442e+005	-2.6534e+005	9.8341e+005
	2.5696e+004	-2.0024e+004	-4.7756e+003	-3.3427e+005	1.7405e+005	1.1325e+006
	2.5696e+004	-2.0024e+004	-4.7756e+003	-3.3427e+005	-3.4689e+005	-1.1752e+006
270	-3.2592e+004	-1.3237e+004	2.4807e+003	-1.2253e+006	-1.4263e+005	1.3607e+006
	-3.2592e+004	-1.3237e+004	2.4807e+003	-1.2253e+006	1.7737e+005	-3.9305e+005
	-1.3805e+004	-1.3961e+004	1.3446e+003	-1.1977e+006	-3.9069e+005	3.5080e+005
	-1.3805e+004	-1.3961e+004	1.3446e+003	-1.1977e+006	-2.4173e+005	-2.0453e+006
	-2.5468e+004	-1.3080e+004	3.3417e+003	-1.0912e+006	7.2154e+004	-1.9858e+006
	-2.5468e+004	-1.3080e+004	3.3417e+003	-1.0912e+006	4.6797e+005	-3.6287e+006
	-3.4608e+004	-1.2743e+004	1.6307e+003	-1.2963e+006	-2.8136e+005	2.9349e+006
	-3.4608e+004	-1.2743e+004	1.6307e+003	-1.2963e+006	-8.8591e+004	1.3156e+006
271	-4.7241e+004	-8.7174e+003	6.5824e+002	-2.4321e+005	-9.4900e+004	1.4741e+006
	-4.7241e+004	-8.7174e+003	6.5824e+002	-2.4321e+005	-1.3667e+005	5.4117e+005
	-4.6723e+004	-9.0367e+003	5.9064e+002	-1.9704e+005	-1.6147e+005	5.7824e+005
	-4.6723e+004	-9.0367e+003	5.9064e+002	-1.9704e+005	-1.2521e+005	9.7738e+005
	-4.6478e+004	-9.5260e+003	1.2274e+003	-1.7948e+005	-1.5655e+005	9.5459e+005
	-4.6478e+004	-9.5260e+003	1.2274e+003	-1.7948e+005	-3.8048e+004	2.0815e+006
	-4.4193e+004	-8.5658e+003	-1.7352e+003	-3.0787e+005	-6.2683e+004	2.4869e+006
	-4.4193e+004	-8.5658e+003	-1.7352e+003	-3.0787e+005	-2.2259e+005	1.4866e+006
272	-9.8601e+003	1.4895e+004	-5.5842e+003	1.1925e+006	2.9327e+005	-3.1043e+006
	-9.8601e+003	1.4895e+004	-5.5842e+003	1.1925e+006	-2.6529e+005	-1.6310e+006
	-2.1644e+004	1.4251e+004	-5.1439e+003	1.1925e+006	2.1385e+005	-1.6884e+006
	-2.1644e+004	1.4251e+004	-5.1439e+003	1.1925e+006	-3.4737e+005	3.2746e+005
	-3.5067e+004	1.4265e+004	-2.2863e+003	1.2482e+006	6.7007e+004	3.4963e+005
	-3.5067e+004	1.4265e+004	-2.2863e+003	1.2482e+006	-2.4858e+005	1.8494e+006

Condizione "(1) Dinamica SLVh X"						
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Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	3.3150e+003	-1.8875e+003	-4.3741e+002	-3.0783e+003	1.2482e+005	1.3699e+005
	3.3150e+003	-1.8875e+003	-4.3741e+002	-3.0783e+003	1.2114e+005	-5.8091e+004
17	-3.5606e+003	-1.5138e+003	7.4801e+002	2.4440e+003	-1.2404e+005	1.5168e+005
	-3.5606e+003	-1.5138e+003	7.4801e+002	2.4440e+003	1.0582e+005	2.9941e+002
97	-1.4731e-009	3.0367e+004	3.6701e-011	-3.2439e+005	-1.3933e-009	-8.5718e+006
	-1.4731e-009	3.0367e+004	3.6701e-011	-3.2439e+005	1.8643e-009	-4.6246e+006
98	6.7298e-011	1.8779e-014	3.4694e-018	-7.9880e+004	-4.4044e-011	0.0000e+000
	6.7298e-011	1.8779e-014	3.4694e-018	-7.9880e+004	-5.0833e-011	0.0000e+000
103	-4.3614e-010	3.0367e+004	-2.9260e-013	-3.2439e+005	1.3493e-010	-4.7000e+006
	-4.3614e-010	3.0367e+004	-2.9260e-013	-3.2439e+005	-2.2947e-010	6.6888e+006
109	3.9100e+004	1.8185e+004	9.5206e+002	-1.3863e+005	-1.6128e+005	-2.7673e+006
	3.9100e+004	1.8185e+004	9.5206e+002	-1.3863e+005	3.1978e+005	6.4285e+006
110	-3.4925e-010	1.3330e+004	2.3675e-013	-4.3213e+005	1.1764e-010	-3.2432e+006
	-3.4925e-010	1.3330e+004	2.3675e-013	-4.3213e+005	1.0719e-010	1.7811e+006
111	1.3495e-010	2.9878e+004	3.6203e-013	-2.7312e+005	-8.7938e-011	-6.3111e+006
	1.3495e-010	2.9878e+004	3.6203e-013	-2.7312e+005	2.0743e-010	8.7875e+006

112	-4.6936e-010	4.3548e+004	2.2543e-013	-5.0600e+004	1.3096e-010	-1.0993e+007
	-4.6936e-010	4.3548e+004	2.2543e-013	-5.0600e+004	-1.3618e-010	1.0998e+007
113	-4.6936e-010	5.3655e+004	-3.0032e-013	1.0777e+005	-1.6652e-010	-1.3971e+007
	-4.6936e-010	5.3655e+004	-3.0032e-013	1.0777e+005	-9.3426e-011	1.3125e+007
114	-3.1899e+004	5.7130e+003	6.4555e+002	-7.9339e+004	-1.2244e+005	-1.6488e+006
	-3.1899e+004	5.7130e+003	6.4555e+002	-7.9339e+004	2.5853e+005	1.7219e+006
115	5.2685e-011	6.9087e+003	1.4494e-013	2.7426e+005	-5.4851e-011	-2.0131e+006
	5.2685e-011	6.9087e+003	1.4494e-013	2.7426e+005	-7.0607e-011	2.0633e+006
116	6.1872e-011	3.6552e+003	-4.0160e-013	3.0968e+005	3.6380e-011	-1.0093e+006
	6.1872e-011	3.6552e+003	-4.0160e-013	3.0968e+005	-9.2939e-011	1.1485e+006
117	6.1872e-011	2.7398e+003	1.4494e-013	7.0740e+005	-5.4851e-011	-9.1807e+005
	6.1872e-011	2.7398e+003	1.4494e-013	7.0740e+005	-7.0607e-011	7.5086e+005
118	0.0000e+000	-4.1864e+003	1.4494e-013	5.7415e+005	-5.4851e-011	9.9845e+005
	0.0000e+000	-4.1864e+003	1.4494e-013	5.7415e+005	-7.0607e-011	-1.6699e+006
157	-2.3071e+004	-4.2809e+003	2.0437e+002	5.3142e+005	-6.1181e+004	1.2624e+006
	-2.3071e+004	-4.2809e+003	2.0437e+002	5.3142e+005	5.2394e+004	-1.1141e+006
158	3.0618e+004	8.0740e+003	-1.9476e+002	3.6963e+005	6.8049e+004	-1.8214e+006
	3.0618e+004	8.0740e+003	-1.9476e+002	3.6963e+005	-4.0192e+004	2.6625e+006
176	-5.3636e+004	-3.1125e+003	-1.9732e+002	6.4012e+004	5.3986e+004	8.5862e+005
	-5.3636e+004	-3.1125e+003	-1.9732e+002	6.4012e+004	-5.5562e+004	-8.7026e+005
177	6.9376e+004	-1.1860e+003	-7.3987e+001	3.4934e+005	4.6712e+004	4.4067e+005
	6.9376e+004	-1.1860e+003	-7.3987e+001	3.4934e+005	1.3057e+004	-5.1434e+005
195	-6.5513e+004	3.2060e+003	-1.9825e+002	-4.3091e+004	5.6259e+004	-8.8772e+005
	-6.5513e+004	3.2060e+003	-1.9825e+002	-4.3091e+004	-5.4730e+004	8.9187e+005
196	8.4666e+004	-1.2779e+003	-3.6867e+001	3.4163e+005	2.4197e+004	2.9658e+005
	8.4666e+004	-1.2779e+003	-3.6867e+001	3.4163e+005	2.6602e+004	-4.1319e+005
216	-6.1882e+004	3.3602e+003	-2.1066e+002	-3.4136e+005	6.0092e+004	-9.5802e+005
	-6.1882e+004	3.3602e+003	-2.1066e+002	-3.4136e+005	-5.7934e+004	9.1734e+005
217	8.0852e+004	-4.1243e+003	8.4910e+001	2.9888e+005	1.1538e+004	1.5010e+006
	8.0852e+004	-4.1243e+003	8.4910e+001	2.9888e+005	4.6100e+004	-7.8808e+005
235	6.3559e+004	-6.6089e+003	9.3031e+001	-3.9616e+005	1.7658e+004	1.9378e+006
	6.3559e+004	-6.6089e+003	9.3031e+001	-3.9616e+005	4.5003e+004	-1.9620e+006
236	-4.5836e+004	3.3326e+003	-2.0288e+002	3.1448e+005	6.1179e+004	-9.9207e+005
	-4.5836e+004	3.3326e+003	-2.0288e+002	3.1448e+005	-5.8580e+004	9.7558e+005
263	-1.6060e+004	3.9657e+003	-2.0005e+002	-5.8373e+005	5.6372e+004	-1.1533e+006
	-1.6060e+004	3.9657e+003	-2.0005e+002	-5.8373e+005	-6.1766e+004	1.1880e+006
265	2.8219e+004	-6.8953e+003	1.6217e+002	-1.8363e+006	-3.5585e+004	2.2094e+006
	2.8219e+004	-6.8953e+003	1.6217e+002	-1.8363e+006	6.1006e+004	-1.8606e+006
267	-4.2415e+004	5.4106e+004	-3.2183e+003	-9.0422e+005	2.0409e+005	-1.2108e+007
	-4.2415e+004	5.4106e+004	-3.2183e+003	-9.0422e+005	-2.1610e+005	-5.2147e+006
	-2.2575e+004	5.1775e+004	-2.4116e+003	-8.6686e+005	1.5823e+005	-5.4380e+006
	-2.2575e+004	5.1775e+004	-2.4116e+003	-8.6686e+005	-1.5232e+005	1.2045e+006
	-8.0408e+003	5.0438e+004	-1.8682e+003	8.4369e+005	1.2762e+005	1.1990e+006
	-8.0408e+003	5.0438e+004	-1.8682e+003	8.4369e+005	-1.4291e+005	7.6654e+006
	9.0557e+003	5.2970e+004	-1.4945e+003	8.1564e+005	8.6597e+004	7.8660e+006
	9.0557e+003	5.2970e+004	-1.4945e+003	8.1564e+005	-1.3721e+005	1.4520e+007
268	-2.4656e+004	6.3619e+004	-3.8705e+003	6.3183e+005	2.3480e+005	-8.5289e+006
	-2.4656e+004	6.3619e+004	-3.8705e+003	6.3183e+005	-2.6878e+005	-4.0000e+005
	-1.8833e+004	6.1599e+004	-3.3720e+003	5.8596e+005	2.0274e+005	-4.5833e+005
	-1.8833e+004	6.1599e+004	-3.3720e+003	5.8596e+005	-2.4075e+005	7.4672e+006
	3.3626e+004	6.0706e+004	-3.2462e+003	5.4614e+005	1.9972e+005	7.6502e+006
	3.3626e+004	6.0706e+004	-3.2462e+003	5.4614e+005	-2.2373e+005	1.5485e+007
	-4.5682e+004	6.6911e+004	-5.6110e+003	6.7964e+005	3.1894e+005	-1.6271e+007
	-4.5682e+004	6.6911e+004	-5.6110e+003	6.7964e+005	-3.6264e+005	-8.2103e+006
269	3.9453e+004	7.4252e+004	-3.4031e+003	-1.8094e+006	2.1883e+005	5.0916e+006

	3.9453e+004	7.4252e+004	-3.4031e+003	-1.8094e+006	-2.4703e+005	1.5183e+007
	-5.5168e+003	7.7963e+004	-4.8131e+003	-1.6114e+006	2.6143e+005	-1.0973e+007
	-5.5168e+003	7.7963e+004	-4.8131e+003	-1.6114e+006	-2.2093e+005	-3.1896e+006
	1.6318e+004	7.7938e+004	-4.8034e+003	6.5368e+005	2.3908e+005	-3.3760e+006
	1.6318e+004	7.7938e+004	-4.8034e+003	6.5368e+005	-2.8565e+005	5.1494e+006
270	-1.7087e+004	7.4862e+004	3.6332e+003	1.4765e+005	-2.3337e+005	-6.5381e+006
	-1.7087e+004	7.4862e+004	3.6332e+003	1.4765e+005	2.3262e+005	3.0627e+006
	5.4556e+003	7.7570e+004	3.0229e+003	1.4600e+005	-1.8853e+005	2.8978e+006
	5.4556e+003	7.7570e+004	3.0229e+003	1.4600e+005	2.0624e+005	1.2845e+007
	1.7685e+004	8.0351e+004	1.7386e+003	1.4101e+005	-1.4254e+005	1.2443e+007
	1.7685e+004	8.0351e+004	1.7386e+003	1.4101e+005	8.9314e+004	2.2536e+007
	-4.0707e+004	7.3287e+004	4.3548e+003	1.5492e+005	-2.9584e+005	-1.6005e+007
	-4.0707e+004	7.3287e+004	4.3548e+003	1.5492e+005	2.6055e+005	-6.6671e+006
271	-4.0660e+004	6.8602e+004	4.2262e+003	1.4447e+005	-2.9069e+005	-9.8589e+006
	-4.0660e+004	6.8602e+004	4.2262e+003	1.4447e+005	2.5190e+005	-1.0626e+006
	-1.5459e+004	7.0314e+004	4.2270e+003	1.4122e+005	-2.8526e+005	-1.0792e+006
	-1.5459e+004	7.0314e+004	4.2270e+003	1.4122e+005	2.5779e+005	7.9398e+006
	1.3052e+004	7.3247e+004	4.3773e+003	1.3969e+005	-2.8034e+005	7.6419e+006
	1.3052e+004	7.3247e+004	4.3773e+003	1.3969e+005	2.8493e+005	1.7095e+007
	-6.6105e+004	6.7963e+004	4.7686e+003	1.4985e+005	-3.2113e+005	-1.8291e+007
	-6.6105e+004	6.7963e+004	4.7686e+003	1.4985e+005	2.5438e+005	-1.0103e+007
272	-5.0917e+004	1.2206e+005	4.5101e+003	3.1974e+005	-2.6734e+005	-2.5624e+007
	-5.0917e+004	1.2206e+005	4.5101e+003	3.1974e+005	1.8383e+005	-1.3418e+007
	-3.3360e+004	1.1695e+005	4.4363e+003	3.1974e+005	-2.5720e+005	-1.3899e+007
	-3.3360e+004	1.1695e+005	4.4363e+003	3.1974e+005	2.2690e+005	-1.1509e+006
	-1.1105e+004	1.1725e+005	3.9200e+003	3.3415e+005	-2.8509e+005	-1.2363e+006
	-1.1105e+004	1.1725e+005	3.9200e+003	3.3415e+005	2.4863e+005	1.4712e+007

Condizione "(1) Dinamica SLDh Y"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	1.0907e+004	-6.2980e+002	1.9435e+002	-9.1776e+003	3.5886e+005	-2.4327e+004
	1.0907e+004	-6.2980e+002	1.9435e+002	-9.1776e+003	3.7801e+005	-7.5032e+004
17	-1.2007e+004	-6.5493e+002	4.7629e+002	-8.8440e+003	3.2891e+005	6.5476e+004
	-1.2007e+004	-6.5493e+002	4.7629e+002	-8.8440e+003	3.7586e+005	-2.5279e+001
97	1.1023e-010	2.7568e+003	-1.9916e-011	-2.2520e+005	-5.7402e-009	-7.5301e+005
	1.1023e-010	2.7568e+003	-1.9916e-011	-2.2520e+005	3.7252e-009	-3.9508e+005
98	-8.7590e-011	2.1041e-015	-3.0487e-014	-1.9197e+004	-1.9644e-011	0.0000e+000
	-8.7590e-011	2.1041e-015	-3.0487e-014	-1.9197e+004	1.8167e-011	0.0000e+000
103	2.1385e-011	2.7568e+003	3.6618e-012	-2.2520e+005	-4.1367e-010	-4.0958e+005
	2.1385e-011	2.7568e+003	3.6618e-012	-2.2520e+005	1.4878e-011	6.2480e+005
109	1.6411e+004	1.6274e+003	2.9117e+002	3.4781e+005	-5.4179e+004	-3.0702e+005
	1.6411e+004	1.6274e+003	2.9117e+002	3.4781e+005	9.3649e+004	5.2246e+005
110	3.4543e-011	2.9106e+003	1.8131e-012	-5.5792e+005	2.3153e-010	-6.3327e+005
	3.4543e-011	2.9106e+003	1.8131e-012	-5.5792e+005	2.3299e-010	4.5950e+005
111	2.8564e-011	1.9964e+003	-1.8123e-012	8.4612e+005	-1.7725e-010	-4.7023e+005
	2.8564e-011	1.9964e+003	-1.8123e-012	8.4612e+005	3.7029e-010	5.5410e+005
112	1.6402e-011	2.7380e+003	-3.4219e-013	2.3729e+004	6.6235e-011	-6.9304e+005
	1.6402e-011	2.7380e+003	-3.4219e-013	2.3729e+004	1.1565e-010	6.8974e+005
113	1.6402e-011	-5.1954e+003	2.3697e-013	-2.8701e+004	-9.1354e-011	1.3672e+006
	1.6402e-011	-5.1954e+003	2.3697e-013	-2.8701e+004	3.1095e-011	-1.2566e+006
114	3.6378e+004	1.9762e+004	1.6061e+002	-4.1747e+004	-2.9335e+004	-5.7013e+006
	3.6378e+004	1.9762e+004	1.6061e+002	-4.1747e+004	6.5459e+004	5.9584e+006
115	-6.7542e-011	1.6035e+004	1.2793e-013	-4.9077e+004	2.0432e-011	-4.6122e+006
	-6.7542e-011	1.6035e+004	1.2793e-013	-4.9077e+004	3.9381e-012	4.8483e+006
116	-1.0129e-011	7.2656e+003	6.9739e-014	-2.4373e+004	8.1776e-012	-1.8883e+006
	-1.0129e-011	7.2656e+003	6.9739e-014	-2.4373e+004	7.5545e-012	2.3986e+006

117	-1.0129e-011	9.6275e+003	1.2793e-013	-8.1844e+004	2.0432e-011	-3.4071e+006
	-1.0129e-011	9.6275e+003	1.2793e-013	-8.1844e+004	3.9381e-012	2.2748e+006
118	-1.7754e-010	1.1437e+004	1.2793e-013	-1.0498e+005	2.0432e-011	-3.8005e+006
	-1.7754e-010	1.1437e+004	1.2793e-013	-1.0498e+005	3.9381e-012	2.9559e+006
157	-4.6286e+003	1.0405e+004	-6.4194e+002	-4.4203e+004	1.8630e+005	-2.9820e+006
	-4.6286e+003	1.0405e+004	-6.4194e+002	-4.4203e+004	-1.6998e+005	2.7932e+006
158	-4.7402e+003	9.0784e+003	1.1979e+001	2.3686e+004	-1.0951e+004	-1.7824e+006
	-4.7402e+003	9.0784e+003	1.1979e+001	2.3686e+004	-8.0514e+003	3.2563e+006
176	-3.9012e+003	1.1575e+004	-6.9962e+002	-1.5003e+004	1.9012e+005	-3.1853e+006
	-3.9012e+003	1.1575e+004	-6.9962e+002	-1.5003e+004	-1.9817e+005	3.2386e+006
177	-1.0433e+004	3.9291e+003	-1.2751e+001	-3.0004e+004	7.1490e+003	-1.1760e+006
	-1.0433e+004	3.9291e+003	-1.2751e+001	-3.0004e+004	1.2836e+003	1.0050e+006
195	4.6129e+003	1.1717e+004	-7.0144e+002	-2.9459e+004	1.9543e+005	-3.2528e+006
	4.6129e+003	1.1717e+004	-7.0144e+002	-2.9459e+004	-1.9387e+005	3.2500e+006
196	-1.6771e+004	3.5521e+003	-1.3272e+001	-2.9091e+004	-3.7843e+003	-8.1370e+005
	-1.6771e+004	3.5521e+003	-1.3272e+001	-2.9091e+004	-1.0644e+004	1.1577e+006
216	6.3393e+003	1.1633e+004	-7.0486e+002	-1.5381e+005	1.9317e+005	-3.2205e+006
	6.3393e+003	1.1633e+004	-7.0486e+002	-1.5381e+005	-1.9818e+005	3.2385e+006
217	-2.2734e+004	1.0402e+004	7.1494e+000	-2.2064e+004	4.5387e+003	-3.7701e+006
	-2.2734e+004	1.0402e+004	7.1494e+000	-2.2064e+004	4.0069e+003	2.0029e+006
235	-1.2900e+004	1.6615e+004	1.4196e+001	2.3161e+004	-8.4457e+003	-4.8457e+006
	-1.2900e+004	1.6615e+004	1.4196e+001	2.3161e+004	3.8055e+003	4.9570e+006
236	6.8223e+003	1.0114e+004	-6.2302e+002	7.9710e+004	1.8939e+005	-3.0394e+006
	6.8223e+003	1.0114e+004	-6.2302e+002	7.9710e+004	-1.7819e+005	2.9277e+006
263	6.6162e+003	9.5825e+003	-6.0007e+002	1.0489e+005	1.7260e+005	-2.8012e+006
	6.6162e+003	9.5825e+003	-6.0007e+002	1.0489e+005	-1.8145e+005	2.8525e+006
265	-3.2633e+003	1.7442e+004	2.8178e+001	1.8285e+005	-5.5750e+003	-5.4429e+006
	-3.2633e+003	1.7442e+004	2.8178e+001	1.8285e+005	1.2473e+004	4.8481e+006
267	2.4158e+004	4.3070e+003	6.4961e+002	-5.6800e+005	-1.2725e+005	-1.0264e+006
	2.4158e+004	4.3070e+003	6.4961e+002	-5.6800e+005	-5.2832e+004	-5.2356e+005
	2.1879e+004	4.1496e+003	1.3816e+003	-5.3118e+005	-8.3458e+004	-5.2423e+005
	2.1879e+004	4.1496e+003	1.3816e+003	-5.3118e+005	9.3939e+004	-2.5246e+005
	1.0562e+004	4.0731e+003	1.0722e+003	-5.1624e+005	-2.1837e+005	-2.2448e+005
	1.0562e+004	4.0731e+003	1.0722e+003	-5.1624e+005	-8.4486e+004	6.2191e+005
	1.2061e+004	4.4310e+003	2.3972e+003	-4.6118e+005	-2.4649e+004	6.2781e+005
	1.2061e+004	4.4310e+003	2.3972e+003	-4.6118e+005	2.7894e+005	1.1456e+006
268	2.8712e+004	-5.5263e+003	-4.1256e+002	-1.0707e+005	-4.1103e+004	-6.0486e+005
	2.8712e+004	-5.5263e+003	-4.1256e+002	-1.0707e+005	-8.0351e+004	-3.9815e+005
	2.8266e+004	5.1732e+003	-3.1113e+002	9.4977e+004	-8.1497e+004	-3.6346e+005
	2.8266e+004	5.1732e+003	-3.1113e+002	9.4977e+004	-6.4870e+004	-8.8983e+005
	2.6906e+004	4.9478e+003	8.9230e+002	9.8088e+004	-9.6604e+004	-8.7907e+005
	2.6906e+004	4.9478e+003	8.9230e+002	9.8088e+004	-2.5743e+004	-1.4881e+006
	2.6680e+004	-6.0347e+003	-1.1581e+003	-1.2828e+005	-2.3488e+004	-1.2206e+006
	2.6680e+004	-6.0347e+003	-1.1581e+003	-1.2828e+005	-1.2975e+005	-5.7984e+005
269	1.7326e+004	-1.0377e+004	-8.2888e+002	-5.5732e+005	1.7777e+004	-6.8471e+005
	1.7326e+004	-1.0377e+004	-8.2888e+002	-5.5732e+005	-1.1102e+005	-2.0843e+006
	5.8880e+003	-9.3681e+003	-2.6906e+003	-4.2976e+005	1.4630e+005	1.3673e+006
	5.8880e+003	-9.3681e+003	-2.6906e+003	-4.2976e+005	-1.2281e+005	4.5538e+005
	1.1893e+004	-9.2707e+003	-2.2102e+003	-1.5510e+005	8.0556e+004	5.2478e+005
	1.1893e+004	-9.2707e+003	-2.2102e+003	-1.5510e+005	-1.6055e+005	-5.4644e+005
270	-1.5099e+004	-6.1263e+003	1.1496e+003	-5.6974e+005	-6.6217e+004	6.2977e+005
	-1.5099e+004	-6.1263e+003	1.1496e+003	-5.6974e+005	8.2119e+004	-1.8191e+005
	-6.4023e+003	-6.4615e+003	6.2628e+002	-5.5695e+005	-1.8092e+005	1.6236e+005
	-6.4023e+003	-6.4615e+003	6.2628e+002	-5.5695e+005	-1.1191e+005	-9.4660e+005
	-1.1787e+004	-6.0538e+003	1.5487e+003	-5.0777e+005	3.3773e+004	-9.1905e+005

	-1.1787e+004	-6.0538e+003	1.5487e+003	-5.0777e+005	2.1665e+005	-1.6794e+006
	-1.6040e+004	-5.8978e+003	7.5556e+002	-6.0265e+005	-1.3033e+005	1.3583e+006
	-1.6040e+004	-5.8978e+003	7.5556e+002	-6.0265e+005	-4.1011e+004	6.0887e+005
271	-2.1873e+004	-4.0346e+003	3.0637e+002	-1.1385e+005	-4.3923e+004	6.8225e+005
	-2.1873e+004	-4.0346e+003	3.0637e+002	-1.1385e+005	-6.3401e+004	2.5047e+005
	-2.1636e+004	-4.1823e+003	2.7340e+002	-9.3112e+004	-7.4758e+004	2.6762e+005
	-2.1636e+004	-4.1823e+003	2.7340e+002	-9.3112e+004	-5.8009e+004	4.5235e+005
	-2.1520e+004	-4.4088e+003	5.6954e+002	-8.5611e+004	-7.2574e+004	4.4180e+005
	-2.1520e+004	-4.4088e+003	5.6954e+002	-8.5611e+004	-1.7646e+004	9.6334e+005
	-2.0458e+004	-3.9644e+003	-8.0692e+002	-1.4333e+005	-2.9295e+004	1.1510e+006
	-2.0458e+004	-3.9644e+003	-8.0692e+002	-1.4333e+005	-1.0316e+005	6.8800e+005
272	-4.5651e+003	6.8936e+003	-2.5861e+003	5.5466e+005	1.3580e+005	-1.4367e+006
	-4.5651e+003	6.8936e+003	-2.5861e+003	5.5466e+005	-1.2288e+005	-7.5487e+005
	-1.0024e+004	6.5957e+003	-2.3825e+003	5.5466e+005	9.9083e+004	-7.8142e+005
	-1.0024e+004	6.5957e+003	-2.3825e+003	5.5466e+005	-1.6087e+005	1.5156e+005
	-1.6242e+004	6.6022e+003	-1.0599e+003	5.8043e+005	3.1051e+004	1.6182e+005
	-1.6242e+004	6.6022e+003	-1.0599e+003	5.8043e+005	-1.1523e+005	8.5595e+005

Condizione "(1) Dinamica SLDh X"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	1.5398e+003	-8.7359e+002	-2.0253e+002	-1.4390e+003	5.8155e+004	6.3411e+004
	1.5398e+003	-8.7359e+002	-2.0253e+002	-1.4390e+003	5.6535e+004	-2.6926e+004
17	-1.6493e+003	-7.0061e+002	3.4620e+002	1.1313e+003	-5.7419e+004	7.0198e+004
	-1.6493e+003	-7.0061e+002	3.4620e+002	1.1313e+003	4.8989e+004	1.3857e+002
97	-2.6636e-010	1.4055e+004	1.6864e-011	-1.5014e+005	1.8768e-009	-3.9673e+006
	-2.6636e-010	1.4055e+004	1.6864e-011	-1.5014e+005	-7.6129e-010	-2.1404e+006
98	-3.1224e-011	8.6922e-015	-8.5601e-014	-3.6975e+004	-3.2462e-011	0.0000e+000
	-3.1224e-011	8.6922e-015	-8.5601e-014	-3.6975e+004	-1.7873e-011	0.0000e+000
103	-1.1042e-010	1.4055e+004	-1.8361e-013	-1.5014e+005	2.1029e-010	-2.1753e+006
	-1.1042e-010	1.4055e+004	-1.8361e-013	-1.5014e+005	-2.1412e-010	3.0958e+006
109	1.8096e+004	8.4165e+003	4.4064e+002	-6.4163e+004	-7.4652e+004	-1.2808e+006
	1.8096e+004	8.4165e+003	4.4064e+002	-6.4163e+004	1.4800e+005	2.9752e+006
110	1.6314e-011	6.1707e+003	-2.4764e-013	-2.0002e+005	5.4853e-011	-1.5012e+006
	1.6314e-011	6.1707e+003	-2.4764e-013	-2.0002e+005	3.2955e-011	8.2454e+005
111	-1.0670e-010	1.3828e+004	-2.3760e-013	-1.2641e+005	-7.3927e-011	-2.9209e+006
	-1.0670e-010	1.3828e+004	-2.3760e-013	-1.2641e+005	3.3861e-011	4.0670e+006
112	-1.2632e-010	2.0155e+004	-1.2207e-013	-2.3496e+004	3.3289e-011	-5.0878e+006
	-1.2632e-010	2.0155e+004	-1.2207e-013	-2.3496e+004	-1.6781e-011	5.0903e+006
113	-1.2632e-010	2.4833e+004	-7.6837e-014	4.9891e+004	-7.1517e-011	-6.4658e+006
	-1.2632e-010	2.4833e+004	-7.6837e-014	4.9891e+004	9.2440e-011	6.0746e+006
114	-1.5119e+004	2.6453e+003	2.9882e+002	-3.6740e+004	-5.6679e+004	-7.6346e+005
	-1.5119e+004	2.6453e+003	2.9882e+002	-3.6740e+004	1.1967e+005	7.9726e+005
115	2.2409e-011	3.1984e+003	5.2851e-014	1.2694e+005	-1.9394e-011	-9.3194e+005
	2.2409e-011	3.1984e+003	5.2851e-014	1.2694e+005	-3.9278e-011	9.5519e+005
116	2.5557e-011	1.6932e+003	1.1287e-013	1.4333e+005	-3.7310e-011	-4.6757e+005
	2.5557e-011	1.6932e+003	1.1287e-013	1.4333e+005	-3.5975e-011	5.3198e+005
117	2.5557e-011	1.2685e+003	5.2851e-014	3.2740e+005	-1.9394e-011	-4.2496e+005
	2.5557e-011	1.2685e+003	5.2851e-014	3.2740e+005	-3.9278e-011	3.4779e+005
118	6.0902e-011	-1.9376e+003	5.2851e-014	2.6575e+005	-1.9394e-011	4.6210e+005
	6.0902e-011	-1.9376e+003	5.2851e-014	2.6575e+005	-3.9278e-011	-7.7296e+005
157	-1.0678e+004	-1.9813e+003	9.4604e+001	2.4595e+005	-2.8321e+004	5.8429e+005
	-1.0678e+004	-1.9813e+003	9.4604e+001	2.4595e+005	2.4254e+004	-5.1564e+005
158	1.4171e+004	3.7368e+003	-9.0139e+001	1.7107e+005	3.1494e+004	-8.4299e+005
	1.4171e+004	3.7368e+003	-9.0139e+001	1.7107e+005	-1.8601e+004	1.2323e+006
176	-2.4824e+004	-1.4407e+003	-9.1358e+001	2.9629e+004	2.4997e+004	3.9744e+005
	-2.4824e+004	-1.4407e+003	-9.1358e+001	2.9629e+004	-2.5724e+004	-4.0281e+005

177	3.2109e+004	-5.4897e+002	-3.4245e+001	1.6168e+005	2.1620e+004	2.0397e+005
	3.2109e+004	-5.4897e+002	-3.4245e+001	1.6168e+005	6.0438e+003	-2.3806e+005
195	-3.0323e+004	1.4839e+003	-9.1782e+001	-1.9975e+004	2.6043e+004	-4.1086e+005
	-3.0323e+004	1.4839e+003	-9.1782e+001	-1.9975e+004	-2.5340e+004	4.1280e+005
196	3.9187e+004	-5.9149e+002	-1.7068e+001	1.5811e+005	1.1200e+004	1.3727e+005
	3.9187e+004	-5.9149e+002	-1.7068e+001	1.5811e+005	1.2312e+004	-1.9125e+005
216	-2.8644e+004	1.5600e+003	-9.7823e+001	-1.5810e+005	2.7953e+004	-4.4564e+005
	-2.8644e+004	1.5600e+003	-9.7823e+001	-1.5810e+005	-2.6861e+004	4.2521e+005
217	3.7422e+004	-1.9090e+003	3.9299e+001	1.3833e+005	5.3422e+003	6.9473e+005
	3.7422e+004	-1.9090e+003	3.9299e+001	1.3833e+005	2.1336e+004	-3.6476e+005
235	2.9419e+004	-3.0589e+003	4.3058e+001	-1.8335e+005	8.1729e+003	8.9690e+005
	2.9419e+004	-3.0589e+003	4.3058e+001	-1.8335e+005	2.0830e+004	-9.0812e+005
236	-2.1216e+004	1.5578e+003	-9.4715e+001	1.4556e+005	2.8557e+004	-4.6373e+005
	-2.1216e+004	1.5578e+003	-9.4715e+001	1.4556e+005	-2.7354e+004	4.5602e+005
263	-7.4338e+003	1.8467e+003	-9.3327e+001	-2.7019e+005	2.6298e+004	-5.3699e+005
	-7.4338e+003	1.8467e+003	-9.3327e+001	-2.7019e+005	-2.8815e+004	5.5332e+005
265	1.3061e+004	-3.1919e+003	7.5064e+001	-8.4985e+005	-1.6475e+004	1.0227e+006
	1.3061e+004	-3.1919e+003	7.5064e+001	-8.4985e+005	2.8236e+004	-8.6127e+005
267	-1.9639e+004	2.5045e+004	-1.4899e+003	-4.1854e+005	9.4515e+004	-5.6048e+006
	-1.9639e+004	2.5045e+004	-1.4899e+003	-4.1854e+005	-1.0002e+005	-2.4138e+006
	-1.0455e+004	2.3966e+004	-1.1170e+003	-4.0124e+005	7.3288e+004	-2.5172e+006
	-1.0455e+004	2.3966e+004	-1.1170e+003	-4.0124e+005	-7.0548e+004	5.5753e+005
	-3.7267e+003	2.3347e+004	-8.6521e+002	-3.9051e+005	5.9255e+004	5.5500e+005
	-3.7267e+003	2.3347e+004	-8.6521e+002	-3.9051e+005	-6.6163e+004	3.5482e+006
	4.1982e+003	2.4519e+004	-6.9460e+002	3.7752e+005	4.0092e+004	3.6410e+006
	4.1982e+003	2.4519e+004	-6.9460e+002	3.7752e+005	-6.3941e+004	6.7210e+006
	-1.1419e+004	2.9446e+004	-1.7915e+003	2.9247e+005	1.0869e+005	-3.9477e+006
	-1.1419e+004	2.9446e+004	-1.7915e+003	2.9247e+005	-1.2440e+005	-1.8526e+005
268	-8.7218e+003	2.8511e+004	-1.5609e+003	2.7126e+005	9.3871e+004	-2.1227e+005
	-8.7218e+003	2.8511e+004	-1.5609e+003	2.7126e+005	-1.1143e+005	3.4561e+006
	1.5566e+004	2.8098e+004	-1.5031e+003	2.5285e+005	9.2494e+004	3.5408e+006
	1.5566e+004	2.8098e+004	-1.5031e+003	2.5285e+005	-1.0358e+005	7.1670e+006
	-2.1149e+004	3.0970e+004	-2.5969e+003	3.1459e+005	1.4762e+005	-7.5309e+006
	-2.1149e+004	3.0970e+004	-2.5969e+003	3.1459e+005	-1.6784e+005	-3.8002e+006
	1.8263e+004	3.4366e+004	-1.5752e+003	-8.3768e+005	1.0129e+005	2.3569e+006
	1.8263e+004	3.4366e+004	-1.5752e+003	-8.3768e+005	-1.1434e+005	7.0273e+006
	-2.5554e+003	3.6084e+004	-2.2277e+003	-7.4602e+005	1.2100e+005	-5.0783e+006
	-2.5554e+003	3.6084e+004	-2.2277e+003	-7.4602e+005	-1.0225e+005	-1.4763e+006
269	7.5548e+003	3.6071e+004	-2.2232e+003	3.0258e+005	1.1065e+005	-1.5625e+006
	7.5548e+003	3.6071e+004	-2.2232e+003	3.0258e+005	-1.3221e+005	2.3835e+006
	-7.9083e+003	3.4647e+004	1.6815e+003	6.8348e+004	-1.0801e+005	-3.0259e+006
	-7.9083e+003	3.4647e+004	1.6815e+003	6.8348e+004	1.0766e+005	1.4175e+006
	2.5259e+003	3.5901e+004	1.3990e+003	6.7582e+004	-8.7256e+004	1.3411e+006
	2.5259e+003	3.5901e+004	1.3990e+003	6.7582e+004	9.5451e+004	5.9450e+006
	8.1851e+003	3.7188e+004	8.0466e+002	6.5274e+004	-6.5969e+004	5.7586e+006
	8.1851e+003	3.7188e+004	8.0466e+002	6.5274e+004	4.1337e+004	1.0430e+007
	-1.8840e+004	3.3918e+004	2.0155e+003	7.1712e+004	-1.3692e+005	-7.4074e+006
	-1.8840e+004	3.3918e+004	2.0155e+003	7.1712e+004	1.2059e+005	-3.0856e+006
271	-1.8818e+004	3.1750e+004	1.9560e+003	6.6865e+004	-1.3454e+005	-4.5629e+006
	-1.8818e+004	3.1750e+004	1.9560e+003	6.6865e+004	1.1658e+005	-4.9177e+005
	-7.1545e+003	3.2542e+004	1.9563e+003	6.5361e+004	-1.3202e+005	-4.9949e+005
	-7.1545e+003	3.2542e+004	1.9563e+003	6.5361e+004	1.1931e+005	3.6747e+006
	6.0406e+003	3.3900e+004	2.0259e+003	6.4654e+004	-1.2974e+005	3.5368e+006
	6.0406e+003	3.3900e+004	2.0259e+003	6.4654e+004	1.3187e+005	7.9120e+006
	-3.0594e+004	3.1454e+004	2.2070e+003	6.9354e+004	-1.4863e+005	-8.4654e+006

	-3.0594e+004	3.1454e+004	2.2070e+003	6.9354e+004	1.1773e+005	-4.6759e+006
272	-2.3565e+004	5.6492e+004	2.0873e+003	1.4799e+005	-1.2373e+005	-1.1859e+007
	-2.3565e+004	5.6492e+004	2.0873e+003	1.4799e+005	8.5078e+004	-6.2102e+006
	-1.5439e+004	5.4126e+004	2.0532e+003	1.4798e+005	-1.1904e+005	-6.4326e+006
	-1.5439e+004	5.4126e+004	2.0532e+003	1.4798e+005	1.0501e+005	-5.3266e+005
	-5.1396e+003	5.4265e+004	1.8142e+003	1.5466e+005	-1.3195e+005	-5.7220e+005
	-5.1396e+003	5.4265e+004	1.8142e+003	1.5466e+005	1.1507e+005	6.8090e+006

Condizione "(1) G1"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	-5.3093e+003	-3.6809e+003	-3.4932e+002	1.8464e+005	4.2641e+004	2.7699e+005
	-5.3093e+003	-2.3409e+003	-3.4932e+002	1.8464e+005	7.7100e+003	-2.4093e+004
17	-5.4759e+003	-3.5695e+003	4.6117e+002	-1.6386e+005	-2.9121e+004	2.8102e+005
	-5.4759e+003	-2.0495e+003	4.6117e+002	-1.6386e+005	1.6996e+004	6.5463e+001
97	-5.0932e-011	-6.9974e+004	-1.8190e-012	2.5218e+005	-3.4925e-010	3.2118e+006
	-5.0932e-011	-3.0272e+004	-1.8190e-012	2.5218e+005	-2.3283e-010	-3.3042e+006
98	-5.4570e-012	-1.3275e+004	1.4211e-014	6.3933e+004	0.0000e+000	0.0000e+000
	-5.4570e-012	1.3275e+004	1.4211e-014	6.3933e+004	-2.7285e-012	0.0000e+000
103	1.2733e-011	-1.6997e+004	-1.1369e-013	2.5218e+005	1.4552e-011	-3.2403e+006
	1.2733e-011	6.1715e+004	-1.1369e-013	2.5218e+005	5.0932e-011	5.1444e+006
109	3.9849e+002	3.7351e+003	4.1278e+001	5.2460e+004	-1.1926e+004	9.5522e+005
	3.9849e+002	1.2979e+003	4.1278e+001	5.2460e+004	8.9193e+003	-6.0141e+005
110	0.0000e+000	-1.4326e+004	2.8422e-014	-6.1837e+004	-2.7285e-011	2.7660e+003
	0.0000e+000	2.1093e+004	2.8422e-014	-6.1837e+004	2.5466e-011	1.2715e+006
111	1.0914e-011	-7.7442e+003	-4.7106e+004	1.5177e+005	3.7201e+006	2.3418e+006
	1.0914e-011	-6.0272e+003	3.6881e+004	1.5177e+005	3.2184e+006	-1.1355e+006
112	-7.2760e-012	-4.7941e+004	0.0000e+000	1.0739e+005	-9.0949e-012	4.1296e+006
	-7.2760e-012	4.5534e+004	0.0000e+000	1.0739e+005	-1.6371e-011	3.5219e+006
113	-7.2760e-012	-4.2102e+004	-7.1054e-015	-5.5232e+004	5.4570e-012	3.0229e+006
	-7.2760e-012	4.3630e+004	-7.1054e-015	-5.5232e+004	-3.6380e-012	3.9119e+006
114	2.0740e+004	-3.5880e+004	-1.3640e+001	3.0552e+004	2.7370e+003	3.2564e+006
	2.0740e+004	3.7870e+004	-1.3640e+001	3.0552e+004	-5.3106e+003	3.8437e+006
115	2.1828e-011	-3.0699e+004	-2.1316e-014	-4.2455e+004	-9.0949e-013	1.5933e+006
	2.1828e-011	4.3051e+004	-2.1316e-014	-4.2455e+004	0.0000e+000	5.2374e+006
116	1.8190e-012	-8.5676e+003	7.1054e-015	-6.9690e+004	-3.6380e-012	1.0404e+006
	1.8190e-012	6.1824e+003	7.1054e-015	-6.9690e+004	1.8190e-012	3.3672e+005
117	1.8190e-012	-4.0742e+003	-2.1316e-014	1.8711e+005	-9.0949e-013	-4.0556e+005
	1.8190e-012	1.0676e+004	-2.1316e-014	1.8711e+005	0.0000e+000	1.5419e+006
118	-1.4552e-011	-1.5695e+004	-2.1316e-014	-1.9751e+005	-9.0949e-013	9.7568e+005
	-1.4552e-011	1.6755e+004	-2.1316e-014	-1.9751e+005	0.0000e+000	1.2883e+006
157	1.0615e+004	-6.6285e+003	5.0924e+001	1.0065e+005	-1.3943e+004	6.3915e+005
	1.0615e+004	5.5121e+003	5.0924e+001	1.0065e+005	1.4320e+004	3.2934e+005
158	1.0481e+004	-9.7902e+003	-7.5234e+001	-2.4015e+005	2.7518e+004	1.0271e+006
	1.0481e+004	7.2067e+003	-7.5234e+001	-2.4015e+005	-1.4237e+004	3.1019e+005
176	2.1349e+004	-5.3471e+003	-5.0409e+001	9.4060e+003	2.0832e+003	3.7692e+005
	2.1349e+004	6.7936e+003	-5.0409e+001	9.4060e+003	-2.5894e+004	7.7832e+005
177	2.4569e+004	-7.8309e+003	1.4126e+001	-7.6036e+004	2.0561e+004	6.5608e+005
	2.4569e+004	9.1660e+003	1.4126e+001	-7.6036e+004	2.8401e+004	1.0266e+006
195	2.2085e+004	-5.4914e+003	-3.4606e+001	-4.3871e+004	7.3313e+003	3.7812e+005
	2.2085e+004	6.6492e+003	-3.4606e+001	-4.3871e+004	-1.1875e+004	6.9939e+005
196	2.2810e+004	-8.2303e+003	6.4935e+000	8.3315e+004	8.1791e+003	7.1234e+005
	2.2810e+004	8.7666e+003	6.4935e+000	8.3315e+004	1.1783e+004	8.6115e+005
216	2.1126e+004	-6.2426e+003	-1.5234e+000	-7.0996e+004	-5.1290e+003	6.4160e+005
	2.1126e+004	5.8981e+003	-1.5234e+000	-7.0996e+004	-5.9745e+003	5.4600e+005
217	2.2737e+004	-7.8020e+003	6.3518e+000	2.3842e+005	8.0659e+003	5.4427e+005
	2.2737e+004	9.1948e+003	6.3518e+000	2.3842e+005	1.1591e+004	9.3077e+005

235	2.6232e+004	-7.9448e+003	-1.0122e+001	4.6234e+004	2.7742e+004	5.7695e+005
	2.6232e+004	1.0124e+004	-1.0122e+001	4.6234e+004	2.1770e+004	1.2198e+006
236	2.2607e+004	-6.5454e+003	9.0310e+000	1.1862e+004	-1.6591e+004	6.9244e+005
	2.2607e+004	6.3609e+003	9.0310e+000	1.1862e+004	-1.1263e+004	6.3801e+005
263	9.6850e+003	-5.4735e+003	-7.9196e+001	2.3677e+004	1.9346e+004	3.5911e+005
	9.6850e+003	7.4327e+003	-7.9196e+001	2.3677e+004	-2.7379e+004	9.3707e+005
265	1.1760e+004	-8.0652e+003	7.0291e+001	-7.6671e+004	-1.2112e+004	5.4358e+005
	1.1760e+004	1.0004e+004	7.0291e+001	-7.6671e+004	2.9360e+004	1.1154e+006
267	2.4139e+004	-1.4652e+004	7.9549e+002	2.5350e+004	-1.9537e+004	1.4065e+006
	2.3436e+004	-7.8840e+003	7.9549e+002	2.5350e+004	8.1823e+004	-2.9183e+004
	1.8438e+004	-6.6539e+003	8.9212e+002	2.6731e+003	-2.9453e+004	-1.2801e+005
	1.7613e+004	1.4435e+002	8.9212e+002	2.6731e+003	8.4954e+004	-5.4541e+005
	1.1019e+004	7.7779e+002	8.5485e+002	-1.6517e+004	-4.0115e+004	-6.5047e+005
	1.0076e+004	7.5608e+003	8.5485e+002	-1.6517e+004	6.9513e+004	-1.1579e+005
	2.7290e+003	7.0600e+003	7.7343e+002	-3.8732e+004	-1.8757e+004	-1.8629e+005
	1.6330e+003	1.3678e+004	7.7343e+002	-3.8732e+004	7.8403e+004	1.1163e+006
268	2.6690e+004	-6.5792e+003	-2.4187e+002	-5.0815e+004	5.0962e+004	-1.0271e+005
	2.6336e+004	2.5983e+002	-2.4187e+002	-5.0815e+004	1.9944e+004	-5.0792e+005
	2.7537e+004	1.6143e+003	5.1480e+001	-7.5725e+004	3.3865e+004	-6.2295e+005
	2.7065e+004	8.4462e+003	5.1480e+001	-7.5725e+004	4.0467e+004	2.2147e+004
	2.6044e+004	9.5256e+003	3.1770e+002	-1.0199e+005	1.5541e+004	-9.3387e+004
	2.5450e+004	1.6392e+004	3.1770e+002	-1.0199e+005	5.6546e+004	1.5792e+006
	2.3778e+004	-1.4612e+004	-3.8904e+002	-2.9164e+004	5.2508e+004	1.3457e+006
	2.3558e+004	-8.1825e+003	-3.8904e+002	-2.9164e+004	5.6384e+003	-2.7374e+004
269	1.4222e+004	8.1369e+003	-1.0755e+003	-5.6994e+005	9.3325e+004	-1.5860e+005
	1.4091e+004	1.5398e+004	-1.0755e+003	-5.6994e+005	-5.2950e+004	1.4419e+006
	1.3564e+002	-2.7893e+003	-1.8478e+003	-4.7022e+005	1.0910e+005	-3.0311e+005
	1.3458e+002	2.5507e+003	-1.8478e+003	-4.7022e+005	-7.5682e+004	-3.1504e+005
	7.1459e+003	-1.0408e+004	-1.4451e+003	6.3887e+005	8.5249e+004	1.5616e+005
	7.1446e+003	-4.5867e+003	-1.4451e+003	6.3887e+005	-7.2283e+004	-6.6116e+005
270	1.9985e+004	8.2704e+002	-1.0215e+003	-5.6623e+004	4.1433e+004	-5.0053e+005
	1.9727e+004	2.9531e+003	-1.0215e+003	-5.6623e+004	-8.9569e+004	-2.5814e+005
	1.1993e+004	4.0688e+003	-1.3977e+003	-4.6854e+004	6.4697e+004	-2.1156e+005
	1.1698e+004	6.1901e+003	-1.3977e+003	-4.6854e+004	-1.1455e+005	4.4625e+005
	8.5623e+002	6.2848e+003	-1.5825e+003	-3.0303e+004	6.8638e+004	4.5971e+005
	5.1349e+002	8.3545e+003	-1.5825e+003	-3.0303e+004	-1.3016e+005	1.3792e+006
	2.5632e+004	-2.5156e+003	-6.3581e+002	-6.9781e+004	8.8393e+003	-3.9932e+005
	2.5412e+004	-3.9905e+002	-6.3581e+002	-6.9781e+004	-7.2174e+004	-5.8501e+005
271	2.8573e+004	-2.9666e+003	5.7639e+002	2.5796e+003	-6.8094e+004	-5.4766e+005
	2.8462e+004	-8.2785e+002	5.7639e+002	2.5796e+003	5.8240e+003	-7.9097e+005
	3.0671e+004	5.2107e+002	2.0686e+002	2.1833e+004	-4.7074e+004	-6.6268e+005
	3.0523e+004	2.6576e+003	2.0686e+002	2.1833e+004	-2.0546e+004	-4.5886e+005
	3.0127e+004	4.2116e+003	-1.8557e+002	4.0607e+004	-2.0137e+004	-3.4902e+005
	2.9941e+004	6.3590e+003	-1.8557e+002	4.0607e+004	-4.4088e+004	3.3313e+005
	2.4251e+004	-6.1492e+003	9.0453e+002	-1.5791e+004	-8.2168e+004	-5.2980e+004
	2.4182e+004	-4.1384e+003	9.0453e+002	-1.5791e+004	2.6806e+004	-6.7268e+005
272	4.1756e+003	-8.8418e+003	1.4615e+003	7.4171e+004	-8.7637e+004	1.3392e+006
	4.1753e+003	-7.1718e+003	1.4615e+003	7.4171e+004	5.8518e+004	5.3856e+005
	1.0141e+004	-7.9163e+003	1.1771e+003	7.4168e+004	-6.9032e+004	5.1545e+005
	1.0141e+004	-6.0957e+003	1.1771e+003	7.4168e+004	5.9287e+004	-2.4831e+005
	1.6872e+004	-5.8018e+003	9.2302e+002	8.5762e+004	-8.1129e+004	-1.6503e+005
	1.6831e+004	-3.5309e+003	9.2302e+002	8.5762e+004	4.4409e+004	-7.9969e+005

Condizione "(1) G2"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	-3.1145e+003	-2.2274e+003	-6.8674e+001	6.0745e+000	1.1093e+004	1.1443e+005

	-3.1145e+003	-1.6740e+002	-6.8674e+001	6.0745e+000	4.2254e+003	-5.3098e+003
17	-2.8939e+003	-2.0245e+003	-8.0643e+001	-1.3881e+002	2.3039e+003	1.0296e+005
	-2.8939e+003	-3.4484e+001	-8.0643e+001	-1.3881e+002	-5.7604e+003	7.2584e+000
97	0.0000e+000	-1.7397e+004	-1.8190e-012	1.4211e+002	-2.3283e-010	1.2655e+006
	0.0000e+000	-1.2028e+004	-1.8190e-012	1.4211e+002	-1.1642e-010	-6.4720e+005
98	0.0000e+000	1.0730e-014	0.0000e+000	2.8325e+004	9.0949e-013	0.0000e+000
	0.0000e+000	1.0730e-014	0.0000e+000	2.8325e+004	-9.0949e-013	0.0000e+000
103	0.0000e+000	-1.2028e+004	2.8422e-014	1.4211e+002	-3.6380e-012	-6.1887e+005
	0.0000e+000	2.6691e+004	2.8422e-014	1.4211e+002	1.4552e-011	2.1303e+006
109	1.4375e+003	-6.2862e+003	-9.0589e+000	2.3591e+004	1.4905e+003	4.9769e+005
	1.4375e+003	6.3721e+001	-9.0589e+000	2.3591e+004	-3.0842e+003	-1.2099e+005
110	0.0000e+000	-4.9062e+003	-1.4211e-014	2.4986e+002	-3.6380e-012	1.0612e+005
	0.0000e+000	6.7094e+003	-1.4211e-014	2.4986e+002	0.0000e+000	4.4421e+005
111	0.0000e+000	-2.3237e+004	0.0000e+000	8.2193e+003	7.2760e-012	1.8806e+006
	0.0000e+000	1.2569e+004	0.0000e+000	8.2193e+003	-5.4570e-012	8.6122e+005
112	0.0000e+000	-1.0273e+004	0.0000e+000	4.3205e+003	1.8190e-012	8.1251e+005
	0.0000e+000	1.0584e+004	0.0000e+000	4.3205e+003	-9.0949e-013	8.9102e+005
113	0.0000e+000	-8.8754e+003	0.0000e+000	6.2858e+003	2.7285e-012	6.5350e+005
	0.0000e+000	8.1092e+003	0.0000e+000	6.2858e+003	-7.2760e-012	7.1172e+005
114	1.2409e+002	2.3744e+002	-9.1060e+000	-2.2397e+004	2.0042e+003	-7.2808e+004
	1.2409e+002	2.3744e+002	-9.1060e+000	-2.2397e+004	-3.3683e+003	6.7284e+004
115	0.0000e+000	1.2095e+002	-3.5527e-015	4.1849e+004	-9.0949e-013	-3.9167e+004
	0.0000e+000	1.2095e+002	-3.5527e-015	4.1849e+004	0.0000e+000	3.2192e+004
116	1.3642e-012	2.7238e+002	0.0000e+000	-1.4867e+004	0.0000e+000	-1.1611e+005
	1.3642e-012	2.7238e+002	0.0000e+000	-1.4867e+004	0.0000e+000	4.4593e+004
117	1.3642e-012	-4.3854e+002	-3.5527e-015	2.4339e+004	-9.0949e-013	1.2626e+005
	1.3642e-012	-4.3854e+002	-3.5527e-015	2.4339e+004	0.0000e+000	-1.3248e+005
118	0.0000e+000	-3.1363e+002	-3.5527e-015	-6.4466e+004	-9.0949e-013	9.9929e+004
	0.0000e+000	-3.1363e+002	-3.5527e-015	-6.4466e+004	0.0000e+000	-8.5114e+004
157	8.8145e+003	5.4851e+001	2.3192e+001	9.8937e+003	-9.9691e+003	-1.5444e+004
	8.8145e+003	5.4851e+001	2.3192e+001	9.8937e+003	2.9026e+003	1.4998e+004
158	1.0029e+004	4.7110e+001	-6.9945e+001	-1.5884e+005	2.6154e+004	-1.9225e+004
	1.0029e+004	4.7110e+001	-6.9945e+001	-1.5884e+005	-1.2665e+004	6.9213e+003
176	1.9846e+004	-4.4443e+001	-9.3362e+000	-5.9192e+003	-6.5046e+003	1.2029e+004
	1.9846e+004	-4.4443e+001	-9.3362e+000	-5.9192e+003	-1.1686e+004	-1.2636e+004
177	2.3425e+004	6.9450e+001	1.4075e+001	-5.1852e+004	1.9684e+004	-2.9793e+004
	2.3425e+004	6.9450e+001	1.4075e+001	-5.1852e+004	2.7496e+004	8.7520e+003
195	1.7801e+004	-8.8841e+001	-6.5217e-001	-5.9174e+003	-3.3868e+003	1.9997e+004
	1.7801e+004	-8.8841e+001	-6.5217e-001	-5.9174e+003	-3.7487e+003	-2.9309e+004
196	2.1317e+004	1.0483e+002	5.2923e+000	5.7422e+004	7.5508e+003	-3.7909e+004
	2.1317e+004	1.0483e+002	5.2923e+000	5.7422e+004	1.0488e+004	2.0269e+004
216	1.7511e+004	-5.2942e+001	3.1488e-001	-1.3345e+004	-3.5447e+003	1.3473e+004
	1.7511e+004	-5.2942e+001	3.1488e-001	-1.3345e+004	-3.3700e+003	-1.5910e+004
217	2.1110e+004	-1.4303e+001	1.3522e+000	1.6299e+005	8.4660e+003	7.7742e+003
	2.1110e+004	-1.4303e+001	1.3522e+000	1.6299e+005	9.2165e+003	-1.6406e+002
235	2.3330e+004	2.3151e+001	-1.2021e+001	7.3943e+003	2.5475e+004	-5.9222e+003
	2.3330e+004	2.3151e+001	-1.2021e+001	7.3943e+003	1.8383e+004	7.7367e+003
236	2.0297e+004	1.4773e+002	7.5867e-001	1.7431e+004	-9.7622e+003	-4.9410e+004
	2.0297e+004	1.4773e+002	7.5867e-001	1.7431e+004	-9.3146e+003	3.7749e+004
263	8.6130e+003	6.6138e+001	-3.1181e+001	1.0134e+003	6.7950e+003	-1.8771e+004
	8.6130e+003	6.6138e+001	-3.1181e+001	1.0134e+003	-1.1602e+004	2.0250e+004
265	1.0414e+004	-1.0572e+002	6.2488e+001	-2.3540e+003	-1.0284e+004	3.2198e+004
	1.0414e+004	-1.0572e+002	6.2488e+001	-2.3540e+003	2.6584e+004	-3.0176e+004
267	2.0338e+004	-3.9023e+003	7.9492e+002	2.2472e+004	-2.3328e+004	2.7992e+005
	2.0139e+004	-1.9886e+003	7.9492e+002	2.2472e+004	7.7959e+004	

						-9.5379e+004
	1.4837e+004	-1.0652e+003	9.6559e+002	4.4174e+003	-3.8644e+004	-1.8818e+005
	1.4603e+004	8.5720e+002	9.6559e+002	4.4174e+003	8.5186e+004	-2.0151e+005
	7.9265e+003	1.4107e+003	9.7972e+002	-1.1005e+004	-4.7165e+004	-2.8623e+005
	7.6600e+003	3.3287e+003	9.7972e+002	-1.1005e+004	7.8477e+004	1.7673e+004
	1.3006e+003	2.8967e+003	7.5193e+002	-2.8966e+004	-3.1734e+004	-4.0034e+004
	9.9065e+002	4.7681e+003	7.5193e+002	-2.8966e+004	6.2724e+004	4.4140e+005
268	2.3710e+004	-1.9462e+003	-3.1038e+002	-4.4082e+004	4.8473e+004	-1.7711e+005
	2.3611e+004	-1.2356e+001	-3.1038e+002	-4.4082e+004	8.6691e+003	-3.0269e+005
	2.4725e+004	1.1967e+003	5.9531e+001	-6.2354e+004	2.6438e+004	-3.9817e+005
	2.4592e+004	3.1286e+003	5.9531e+001	-6.2354e+004	3.4072e+004	-1.2083e+005
	2.3387e+004	4.2169e+003	4.0010e+002	-8.2100e+004	4.0254e+003	-2.2225e+005
	2.3219e+004	6.1585e+003	4.0010e+002	-8.2100e+004	5.5665e+004	4.4731e+005
	2.0512e+004	-5.0410e+003	-6.5089e+002	-2.8333e+004	6.3604e+004	3.9190e+005
	2.0450e+004	-3.2229e+003	-6.5089e+002	-2.8333e+004	-1.4812e+004	-1.0590e+005
269	1.3780e+004	1.6889e+003	-8.8332e+002	-2.1472e+005	7.8132e+004	-1.9213e+005
	1.3743e+004	3.7423e+003	-8.8332e+002	-2.1472e+005	-4.2007e+004	1.7722e+005
	1.1976e+003	-1.6445e+003	-1.6609e+003	-1.2128e+005	9.5925e+004	1.3673e+005
	1.1973e+003	-1.3449e+002	-1.6609e+003	-1.2128e+005	-7.0163e+004	4.7779e+004
	7.4406e+003	-9.2508e+003	-1.3041e+003	6.3046e+005	7.6594e+004	3.7273e+005
	7.4403e+003	-7.6047e+003	-1.3041e+003	6.3046e+005	-6.5571e+004	-5.4602e+005
270	1.6594e+004	-2.0848e+003	-9.2706e+002	2.2807e+003	3.6406e+004	-1.2071e+005
	1.6373e+004	-2.6434e+002	-9.2706e+002	2.2807e+003	-8.2482e+004	-2.7134e+005
	9.5357e+003	5.9158e+002	-1.1451e+003	1.1572e+004	5.2026e+004	-2.2901e+005
	9.2833e+003	2.4080e+003	-1.1451e+003	1.1572e+004	-9.4819e+004	-3.6672e+004
	1.8811e+003	2.3527e+003	-1.0719e+003	2.3939e+004	4.9584e+004	-1.2324e+004
	1.5876e+003	4.1250e+003	-1.0719e+003	2.3939e+004	-8.5075e+004	3.9455e+005
	2.1878e+004	-4.8766e+003	-6.2703e+002	-1.0129e+004	1.1109e+004	3.2132e+005
	2.1690e+004	-3.0642e+003	-6.2703e+002	-1.0129e+004	-6.8787e+004	-1.8458e+005
271	2.3327e+004	-2.9131e+003	5.3835e+002	-5.3045e+003	-6.3903e+004	-1.5228e+005
	2.3233e+004	-1.0817e+003	5.3835e+002	-5.3045e+003	5.1359e+003	-4.0842e+005
	2.5272e+004	4.6031e+001	1.6770e+002	1.1754e+004	-4.2033e+004	-3.0682e+005
	2.5146e+004	1.8755e+003	1.6770e+002	1.1754e+004	-2.0527e+004	-1.8360e+005
	2.4646e+004	3.1734e+003	-2.2078e+002	2.8434e+004	-1.5826e+004	-9.6139e+004
	2.4487e+004	5.0121e+003	-2.2078e+002	2.8434e+004	-4.4322e+004	4.3210e+005
	1.9179e+004	-5.6082e+003	8.6995e+002	-2.1716e+004	-7.9114e+004	3.2219e+005
	1.9120e+004	-3.8864e+003	8.6995e+002	-2.1716e+004	2.5694e+004	-2.4975e+005
272	1.1866e+003	-2.5189e+003	1.4373e+003	1.5801e+003	-8.7201e+004	2.6224e+005
	1.1863e+003	-1.0889e+003	1.4373e+003	1.5801e+003	5.6528e+004	8.1857e+004
	6.9270e+003	-1.7834e+003	1.1209e+003	1.5775e+003	-6.7153e+004	5.1321e+004
	6.9267e+003	-2.2449e+002	1.1209e+003	1.5775e+003	5.5039e+004	-5.8123e+004
	1.3219e+004	6.9721e+001	8.9887e+002	1.2576e+004	-7.9926e+004	4.7849e+003
	1.3184e+004	2.0143e+003	8.9887e+002	1.2576e+004	4.2327e+004	1.4651e+005

Condizione "(1) Qk1"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	7.4406e+002	-2.7880e+002	6.8133e+001	1.1235e+002	5.1312e+003	1.9336e+004
	7.4406e+002	-2.7880e+002	6.8133e+001	1.1235e+002	1.1945e+004	-8.5442e+003
17	-3.5411e+001	-2.5285e+000	1.8432e+000	2.2090e+001	-2.6828e+002	2.5549e+002
	-3.5411e+001	-2.5285e+000	1.8432e+000	2.2090e+001	-8.3960e+001	2.6411e+000
97	-3.6380e-012	-8.4680e+004	0.0000e+000	-3.4955e+004	2.9104e-011	5.1709e+006
	-3.6380e-012	-4.0350e+004	0.0000e+000	-3.4955e+004	-8.7311e-011	-2.9561e+006
98	9.0949e-013	3.8077e-014	2.6645e-015	1.0753e+005	4.5475e-013	0.0000e+000
	9.0949e-013	3.8077e-014	2.6645e-015	1.0753e+005	-9.0949e-013	0.0000e+000
103	1.3642e-012	-4.0350e+004	0.0000e+000	-3.4955e+004	5.4570e-012	-2.8486e+006
	1.3642e-012	9.7931e+004	0.0000e+000	-3.4955e+004	3.6380e-012	7.9477e+006

109	4.3270e+003	-1.8956e+004	1.8405e+000	7.4537e+004	-5.4618e+002	1.1523e+006
	4.3270e+003	3.7220e+003	1.8405e+000	7.4537e+004	3.8325e+002	7.0747e+005
110	-3.6380e-012	-1.7638e+004	1.0658e-014	-3.0591e+004	2.2737e-012	2.3789e+005
	-3.6380e-012	2.3847e+004	1.0658e-014	-3.0591e+004	-9.0949e-013	1.4020e+006
111	-6.3665e-012	-8.2703e+004	0.0000e+000	-2.9903e+004	0.0000e+000	6.4472e+006
	-6.3665e-012	5.5141e+004	0.0000e+000	-2.9903e+004	0.0000e+000	4.4461e+006
112	1.8190e-012	-3.7433e+004	7.1054e-015	-3.8838e+004	0.0000e+000	3.0906e+006
	1.8190e-012	3.7055e+004	7.1054e-015	-3.8838e+004	2.2737e-013	2.9952e+006
113	1.8190e-012	-3.1972e+004	1.7764e-015	1.6986e+004	3.1832e-012	2.4056e+006
	1.8190e-012	2.8687e+004	1.7764e-015	1.6986e+004	-2.7285e-012	2.4749e+006
114	9.8463e+002	1.0067e+003	-7.3273e+000	-1.2659e+005	2.0918e+003	-2.9501e+005
	9.8463e+002	1.0067e+003	-7.3273e+000	-1.2659e+005	-2.2313e+003	2.9894e+005
115	-1.8190e-012	2.4231e+002	-3.5527e-015	1.2293e+005	2.2737e-013	-7.5724e+004
	-1.8190e-012	2.4231e+002	-3.5527e-015	1.2293e+005	9.0949e-013	6.7240e+004
116	-6.2528e-013	1.2612e+003	1.7764e-015	-2.2564e+004	0.0000e+000	-5.2153e+005
	-6.2528e-013	1.2612e+003	1.7764e-015	-2.2564e+004	1.3642e-012	2.2259e+005
117	-6.2528e-013	-1.8566e+003	-3.5527e-015	9.4199e+004	2.2737e-013	5.0297e+005
	-6.2528e-013	-1.8566e+003	-3.5527e-015	9.4199e+004	9.0949e-013	-5.9245e+005
118	1.8190e-012	-9.3386e+002	-3.5527e-015	-2.8606e+005	2.2737e-013	2.8902e+005
	1.8190e-012	-9.3386e+002	-3.5527e-015	-2.8606e+005	9.0949e-013	-2.6196e+005
157	-1.4515e+002	-4.4182e+001	4.2338e-001	4.5057e+003	-1.0369e+002	1.2363e+004
	-1.4515e+002	-4.4182e+001	4.2338e-001	4.5057e+003	1.3129e+002	-1.2158e+004
158	-1.2809e+002	-7.4196e+001	-8.1041e-001	-1.1548e+004	2.5367e+002	1.4073e+004
	-1.2809e+002	-7.4196e+001	-8.1041e-001	-1.1548e+004	-1.9611e+002	-2.7106e+004
176	-6.0171e+002	-5.1277e+001	7.5319e-002	4.2543e+003	1.3428e+002	1.4184e+004
	-6.0171e+002	-5.1277e+001	7.5319e-002	4.2543e+003	1.7608e+002	-1.4275e+004
177	-4.6822e+002	-5.2757e+001	-3.3068e-001	-1.1466e+004	-2.3554e+002	1.7553e+004
	-4.6822e+002	-5.2757e+001	-3.3068e-001	-1.1466e+004	-4.1906e+002	-1.1727e+004
195	-1.2037e+003	-1.9684e+001	-1.4862e+000	5.8606e+003	3.6206e+002	7.7407e+003
	-1.2037e+003	-1.9684e+001	-1.4862e+000	5.8606e+003	-4.6276e+002	-3.1837e+003
196	-7.4426e+002	-3.0236e+001	-7.2447e-001	-1.1050e+004	-4.4367e+002	1.6970e+004
	-7.4426e+002	-3.0236e+001	-7.2447e-001	-1.1050e+004	-8.4575e+002	1.8936e+002
216	-1.6487e+003	2.0436e+002	-1.0393e+001	5.4879e+003	2.3768e+003	-5.1020e+004
	-1.6487e+003	2.0436e+002	-1.0393e+001	5.4879e+003	-3.3915e+003	6.2397e+004
217	-5.8769e+002	9.8033e+001	-3.0566e+000	-8.8165e+003	3.6189e+002	-2.9067e+004
	-5.8769e+002	9.8033e+001	-3.0566e+000	-8.8165e+003	-1.3345e+003	2.5341e+004
235	-1.8208e+002	-1.4258e+002	-1.9222e+000	5.5111e+003	5.8504e+002	3.9613e+004
	-1.8208e+002	-1.4258e+002	-1.9222e+000	5.5111e+003	-5.4907e+002	-4.4512e+004
236	-2.0058e+002	5.6420e+002	-2.7556e+001	4.1662e+004	8.3181e+003	-1.6839e+005
	-2.0058e+002	5.6420e+002	-2.7556e+001	4.1662e+004	-7.9397e+003	1.6448e+005
263	4.8429e+002	1.0290e+002	-9.3069e+000	-4.8315e+004	3.5003e+003	-3.4503e+004
	4.8429e+002	1.0290e+002	-9.3069e+000	-4.8315e+004	-1.9908e+003	2.6206e+004
265	-1.0859e+002	-3.2576e+002	1.8373e-001	8.3891e+004	-1.8732e+002	9.7218e+004
	-1.0859e+002	-3.2576e+002	1.8373e-001	8.3891e+004	-7.8914e+001	-9.4978e+004
267	3.8099e+003	1.8741e+003	9.2294e+001	2.2990e+004	-6.8260e+003	-4.2455e+005
	3.8099e+003	1.8741e+003	9.2294e+001	2.2990e+004	4.9340e+003	-1.8576e+005
	3.5001e+003	1.9121e+003	6.8590e+001	2.0468e+004	-3.5061e+003	-1.9391e+005
	3.5001e+003	1.9121e+003	6.8590e+001	2.0468e+004	5.2899e+003	5.1298e+004
	3.2996e+003	1.9565e+003	9.1877e-001	1.7615e+004	-3.9013e+003	5.0652e+004
	3.2996e+003	1.9565e+003	9.1877e-001	1.7615e+004	-3.7835e+003	3.0156e+005
	4.0931e+003	2.1993e+003	-9.4668e+001	1.6518e+004	6.8494e+003	3.0853e+005
	4.0931e+003	2.1993e+003	-9.4668e+001	1.6518e+004	-5.0429e+003	5.8480e+005
	4.5103e+003	-1.0688e+003	6.7014e+001	-4.2761e+003	-4.6122e+003	3.4183e+004
	4.5103e+003	-1.0688e+003	6.7014e+001	-4.2761e+003	3.9818e+003	-1.0288e+005
268	4.2654e+003	-9.2208e+002	4.2535e+001	-6.5766e+003	-3.0829e+003	-1.0657e+005

	4.2654e+003	-9.2208e+002	4.2535e+001	-6.5766e+003	2.3718e+003	-2.2482e+005
	4.1215e+003	-7.8974e+002	1.5840e+001	-8.9425e+003	-1.3738e+003	-2.3237e+005
	4.1215e+003	-7.8974e+002	1.5840e+001	-8.9425e+003	6.7057e+002	-3.3430e+005
	4.8721e+003	-1.2308e+003	1.1420e+002	-2.2331e+003	-7.6307e+003	1.8172e+005
	4.8721e+003	-1.2308e+003	1.1420e+002	-2.2331e+003	6.1280e+003	3.3432e+004
269	-4.0844e+001	-2.5781e+003	5.2431e+001	-5.3033e+003	-2.7205e+003	-2.4842e+005
	-4.0844e+001	-2.5781e+003	5.2431e+001	-5.3033e+003	4.4105e+003	-5.9906e+005
	4.1965e+002	-2.7654e+003	8.8177e+001	-4.0301e+002	-5.2361e+003	3.1637e+005
	4.1965e+002	-2.7654e+003	8.8177e+001	-4.0301e+002	3.5816e+003	3.9827e+004
	1.5524e+002	-2.3804e+003	7.6355e+001	-2.9547e+004	-3.4021e+003	2.8658e+004
	1.5524e+002	-2.3804e+003	7.6355e+001	-2.9547e+004	4.9217e+003	-2.3084e+005
270	-1.5094e+002	1.6382e+002	5.4132e+000	4.8032e+003	9.7710e+000	-1.4025e+004
	-1.5094e+002	1.6382e+002	5.4132e+000	4.8032e+003	7.0398e+002	6.9836e+003
	7.8962e+000	1.6555e+002	1.2200e+001	4.6896e+003	-9.5037e+001	6.4975e+003
	7.8962e+000	1.6555e+002	1.2200e+001	4.6896e+003	1.4696e+003	2.7727e+004
	1.2858e+002	1.6707e+002	-1.5565e+000	4.0594e+003	-1.0674e+003	2.6870e+004
	1.2858e+002	1.6707e+002	-1.5565e+000	4.0594e+003	-1.2630e+003	4.7857e+004
	-1.9275e+002	1.6652e+002	6.5304e+000	5.0982e+003	-3.3805e+002	-3.5352e+004
	-1.9275e+002	1.6652e+002	6.5304e+000	5.0982e+003	4.9404e+002	-1.4135e+004
271	-1.7500e+002	1.2309e+002	-2.8678e-001	3.1354e+003	3.9674e+002	-2.3413e+004
	-1.7500e+002	1.2309e+002	-2.8678e-001	3.1354e+003	3.5996e+002	-7.6283e+003
	-1.6804e+002	1.1786e+002	8.8351e-001	2.6527e+003	2.0950e+002	-7.7830e+003
	-1.6804e+002	1.1786e+002	8.8351e-001	2.6527e+003	3.2281e+002	7.3319e+003
	-1.4097e+002	1.1405e+002	3.5893e+000	2.2238e+003	1.6842e+002	6.7541e+003
	-1.4097e+002	1.1405e+002	3.5893e+000	2.2238e+003	6.3168e+002	2.1474e+004
	-1.5322e+002	1.2886e+002	1.7389e+000	3.6105e+003	2.5283e+002	-3.9222e+004
	-1.5322e+002	1.2886e+002	1.7389e+000	3.6105e+003	4.6232e+002	-2.3697e+004
272	-4.0582e+000	-9.4854e+000	8.9214e+000	-1.7403e+003	4.4833e+001	-1.3692e+003
	-4.0582e+000	-9.4854e+000	8.9214e+000	-1.7403e+003	9.3697e+002	-2.3177e+003
	-4.3536e+000	-6.2415e+000	1.0055e+001	-1.7403e+003	-5.1617e+002	-2.3385e+003
	-4.3536e+000	-6.2415e+000	1.0055e+001	-1.7403e+003	5.8000e+002	-3.0189e+003
	-3.4860e+001	-9.0851e+000	-5.2749e-001	-2.0727e+003	4.0120e+002	-3.2176e+003
	-3.4860e+001	-9.0851e+000	-5.2749e-001	-2.0727e+003	3.2946e+002	-4.4532e+003

Condizione "(1) Qk2"						
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Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	-5.8333e+003	-2.7620e+003	-1.4716e+002	-8.3584e+001	1.7050e+004	1.3896e+005
	-5.8333e+003	-8.1992e+001	-1.4716e+002	-8.3584e+001	2.3339e+003	-3.2419e+003
17	-5.1370e+003	-2.5728e+003	-1.4352e+002	-1.9347e+002	4.4061e+003	1.3028e+005
	-5.1370e+003	-3.2793e+001	-1.4352e+002	-1.9347e+002	-9.9462e+003	4.4076e+000
97	1.4552e-011	1.6859e+002	-1.8190e-012	1.3886e+004	0.0000e+000	-1.7542e+004
	1.4552e-011	1.6859e+002	-1.8190e-012	1.3886e+004	0.0000e+000	4.3746e+003
98	3.6380e-012	-4.7571e-016	0.0000e+000	1.8769e+003	0.0000e+000	0.0000e+000
	3.6380e-012	-4.7571e-016	0.0000e+000	1.8769e+003	-1.8190e-012	0.0000e+000
103	-3.6380e-012	1.6859e+002	-5.6843e-014	1.3886e+004	-7.2760e-012	6.2514e+003
	-3.6380e-012	1.6859e+002	-5.6843e-014	1.3886e+004	0.0000e+000	6.9474e+004
109	4.7209e+002	-1.5534e+003	-1.4408e+001	5.3019e+003	2.4380e+003	2.8311e+005
	4.7209e+002	-1.5534e+003	-1.4408e+001	5.3019e+003	-4.8378e+003	-5.0135e+005
110	0.0000e+000	2.2497e+002	-1.4211e-014	1.9723e+004	-3.6380e-012	3.3402e+004
	0.0000e+000	2.2497e+002	-1.4211e-014	1.9723e+004	3.6380e-012	1.1777e+005
111	-3.6380e-012	-1.5106e+003	0.0000e+000	2.3507e+004	7.2760e-012	3.1804e+005
	-3.6380e-012	-1.5106e+003	0.0000e+000	2.3507e+004	-7.2760e-012	-4.4484e+005
112	0.0000e+000	3.4066e+002	0.0000e+000	2.5704e+004	3.6380e-012	-8.5782e+004
	0.0000e+000	3.4066e+002	0.0000e+000	2.5704e+004	-3.6380e-012	8.6251e+004
113	0.0000e+000	5.4318e+001	0.0000e+000	1.5755e+003	7.2760e-012	-1.4501e+004
	0.0000e+000	5.4318e+001	0.0000e+000	1.5755e+003	-1.0914e-011	1.2930e+004

114	-8.2526e+001	2.6050e+000	-1.1122e+001	1.5625e+004	2.2539e+003	-6.5447e+003
	-8.2526e+001	2.6050e+000	-1.1122e+001	1.5625e+004	-4.3080e+003	-5.0078e+003
115	0.0000e+000	7.1675e+001	-7.1054e-015	1.9964e+004	-1.8190e-012	-2.4768e+004
	0.0000e+000	7.1675e+001	-7.1054e-015	1.9964e+004	0.0000e+000	1.7520e+004
116	1.5916e-012	-1.6881e+002	0.0000e+000	-9.7656e+003	0.0000e+000	5.4896e+004
	1.5916e-012	-1.6881e+002	0.0000e+000	-9.7656e+003	0.0000e+000	-4.4702e+004
117	1.5916e-012	1.0215e+002	-7.1054e-015	-1.9721e+003	-1.8190e-012	-1.0095e+004
	1.5916e-012	1.0215e+002	-7.1054e-015	-1.9721e+003	0.0000e+000	5.0176e+004
118	0.0000e+000	-1.8886e+002	-7.1054e-015	7.4670e+003	-1.8190e-012	6.6698e+004
	0.0000e+000	-1.8886e+002	-7.1054e-015	7.4670e+003	0.0000e+000	-4.4732e+004
157	1.5715e+004	1.2621e+002	4.0629e+001	4.5463e+003	-1.7555e+004	-3.5314e+004
	1.5715e+004	1.2621e+002	4.0629e+001	4.5463e+003	4.9944e+003	3.4734e+004
158	1.7804e+004	1.2059e+002	-1.2362e+002	-2.8027e+005	4.6220e+004	-4.0747e+004
	1.7804e+004	1.2059e+002	-1.2362e+002	-2.8027e+005	-2.2389e+004	2.6179e+004
176	3.5540e+004	-4.4842e+001	-1.7086e+001	-1.4442e+004	-1.1480e+004	1.1930e+004
	3.5540e+004	-4.4842e+001	-1.7086e+001	-1.4442e+004	-2.0962e+004	-1.2957e+004
177	4.1666e+004	1.4939e+002	2.5214e+001	-9.0275e+004	3.4962e+004	-6.0017e+004
	4.1666e+004	1.4939e+002	2.5214e+001	-9.0275e+004	4.8956e+004	2.2896e+004
195	3.2251e+004	-1.3414e+002	-1.1280e+000	-1.2608e+004	-6.0028e+003	2.7938e+004
	3.2251e+004	-1.3414e+002	-1.1280e+000	-1.2608e+004	-6.6288e+003	-4.6509e+004
196	3.8067e+004	2.1113e+002	9.5127e+000	1.0376e+005	1.3546e+004	-7.4877e+004
	3.8067e+004	2.1113e+002	9.5127e+000	1.0376e+005	1.8825e+004	4.2301e+004
216	3.2018e+004	-1.7512e+002	4.8566e+000	-2.3029e+004	-7.3312e+003	4.4241e+004
	3.2018e+004	-1.7512e+002	4.8566e+000	-2.3029e+004	-4.6358e+003	-5.2948e+004
217	3.7779e+004	4.6720e+000	3.1240e+000	2.9075e+005	1.5184e+004	1.1795e+003
	3.7779e+004	4.6720e+000	3.1240e+000	2.9075e+005	1.6918e+004	3.7725e+003
235	4.1629e+004	7.1917e+001	-1.9943e+001	1.6522e+004	4.4955e+004	-1.9369e+004
	4.1629e+004	7.1917e+001	-1.9943e+001	1.6522e+004	3.3189e+004	2.3062e+004
236	3.6341e+004	1.8298e+001	1.2993e+001	1.4496e+004	-2.0856e+004	-1.5195e+004
	3.6341e+004	1.8298e+001	1.2993e+001	1.4496e+004	-1.3190e+004	-4.3990e+003
263	1.5183e+004	5.2622e+001	-5.0757e+001	2.9770e+004	1.0431e+004	-1.3171e+004
	1.5183e+004	5.2622e+001	-5.0757e+001	2.9770e+004	-1.9515e+004	1.7875e+004
265	1.8565e+004	-8.5345e+001	1.1115e+002	-3.6337e+004	-1.8292e+004	2.7202e+004
	1.8565e+004	-8.5345e+001	1.1115e+002	-3.6337e+004	4.7286e+004	-2.3151e+004
267	3.4432e+004	-7.9775e+003	1.3780e+003	3.1757e+004	-3.8753e+004	7.2393e+005
	3.4079e+004	-4.5809e+003	1.3780e+003	3.1757e+004	1.3683e+005	-7.6155e+004
	2.4748e+004	-2.9500e+003	1.6922e+003	6.7895e+002	-6.7493e+004	-2.3686e+005
	2.4334e+004	4.6181e+002	1.6922e+003	6.7895e+002	1.4952e+005	-3.9641e+005
	1.2509e+004	1.4302e+003	1.7478e+003	-2.5555e+004	-8.2391e+004	-5.4695e+005
	1.2036e+004	4.8344e+003	1.7478e+003	-2.5555e+004	1.4175e+005	-1.4526e+005
	3.7927e+002	3.9458e+003	1.3772e+003	-5.7160e+004	-5.9776e+004	-2.5207e+005
	-1.7077e+002	7.2672e+003	1.3772e+003	-5.7160e+004	1.1323e+005	4.5223e+005
268	4.0056e+004	-3.0279e+003	-5.7609e+002	-7.4428e+004	8.7972e+004	-3.2131e+005
	3.9879e+004	4.0440e+002	-5.7609e+002	-7.4428e+004	1.4092e+004	-4.8953e+005
	4.1942e+004	2.4874e+003	9.1352e+001	-1.0601e+005	4.8176e+004	-6.5739e+005
	4.1705e+004	5.9161e+003	9.1352e+001	-1.0601e+005	5.9892e+004	-1.1855e+005
	3.9592e+004	7.7900e+003	7.0945e+002	-1.4017e+005	7.5110e+003	-2.9542e+005
	3.9294e+004	1.1236e+004	7.0945e+002	-1.4017e+005	9.9077e+004	9.3240e+005
	3.4238e+004	-8.4519e+003	-1.1971e+003	-4.7201e+004	1.1592e+005	6.2912e+005
	3.4127e+004	-5.2250e+003	-1.1971e+003	-4.7201e+004	-2.8298e+004	-1.9474e+005
269	2.4482e+004	4.0623e+003	-1.5904e+003	-3.8437e+005	1.3996e+005	-2.3399e+005
	2.4416e+004	7.7067e+003	-1.5904e+003	-3.8437e+005	-7.6344e+004	5.6635e+005
	1.9531e+003	-1.7820e+003	-2.9785e+003	-2.1953e+005	1.7208e+005	1.1759e+005
	1.9526e+003	8.9801e+002	-2.9785e+003	-2.1953e+005	-1.2577e+005	7.3390e+004
	1.3145e+004	-1.5471e+004	-2.3419e+003	1.1300e+006	1.3723e+005	6.5598e+005

270	1.3144e+004	-1.2549e+004	-2.3419e+003	1.1300e+006	-1.1807e+005	-8.7132e+005
	2.9549e+004	-3.9042e+003	-1.6490e+003	1.4946e+003	6.4673e+004	-2.0974e+005
	2.9156e+004	-6.7060e+002	-1.6490e+003	1.4946e+003	-1.4679e+005	-5.0308e+005
	1.6948e+004	8.4497e+002	-2.0380e+003	1.8123e+004	9.2227e+004	-4.2701e+005
	1.6500e+004	4.0713e+003	-2.0380e+003	1.8123e+004	-1.6914e+005	-1.1177e+005
	3.2997e+003	3.9704e+003	-1.8993e+003	4.0510e+004	8.8516e+004	-6.7092e+004
	2.7784e+003	7.1183e+003	-1.8993e+003	4.0510e+004	-1.5008e+005	6.2939e+005
	3.8962e+004	-8.8616e+003	-1.1193e+003	-2.0790e+004	1.9983e+004	6.0074e+005
	3.8628e+004	-5.6425e+003	-1.1193e+003	-2.0790e+004	-1.2263e+005	-3.2330e+005
271	4.1521e+004	-5.3032e+003	9.4916e+002	-1.1014e+004	-1.1328e+005	-2.5125e+005
	4.1352e+004	-2.0502e+003	9.4916e+002	-1.1014e+004	8.4430e+003	-7.2276e+005
	4.4937e+004	-4.6187e+001	2.9194e+002	1.9607e+004	-7.4470e+004	-5.4212e+005
	4.4713e+004	3.2034e+003	2.9194e+002	1.9607e+004	-3.7031e+004	-3.3968e+005
	4.3786e+004	5.5077e+003	-3.9761e+002	4.9535e+004	-2.7997e+004	-1.8369e+005
	4.3503e+004	8.7738e+003	-3.9761e+002	4.9535e+004	-7.9315e+004	7.3795e+005
	3.4186e+004	-1.0093e+004	1.5345e+003	-4.0478e+004	-1.4008e+005	6.0765e+005
	3.4081e+004	-7.0344e+003	1.5345e+003	-4.0478e+004	4.4792e+004	-4.2405e+005
	2.1993e+003	-4.6711e+003	2.5340e+003	3.7361e+003	-1.5403e+005	5.0709e+005
272	2.1987e+003	-2.1311e+003	2.5340e+003	3.7361e+003	9.9378e+004	1.6698e+005
	1.2345e+004	-3.3596e+003	1.9734e+003	3.7315e+003	-1.1838e+005	1.1344e+005
	1.2345e+004	-5.9060e+002	1.9734e+003	3.7315e+003	9.6757e+004	-1.0187e+005
	2.3482e+004	-6.7336e+001	1.5879e+003	2.3470e+004	-1.4158e+005	1.0139e+004
	2.3419e+004	3.3867e+003	1.5879e+003	2.3470e+004	7.4387e+004	2.3587e+005

Condizione "(1) Qk3"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	-3.6459e+003	-1.7262e+003	-9.2021e+001	-5.2258e+001	1.0659e+004	8.6848e+004
	-3.6459e+003	-5.1240e+001	-9.2021e+001	-5.2258e+001	1.4570e+003	-2.0261e+003
17	-3.2106e+003	-1.6085e+003	-8.9684e+001	-1.2089e+002	2.7524e+003	8.1451e+004
	-3.2106e+003	-2.0480e+001	-8.9684e+001	-1.2089e+002	-6.2160e+003	2.7550e+000
97	7.2760e-012	1.0537e+002	0.0000e+000	8.6792e+003	0.0000e+000	-1.0964e+004
	7.2760e-012	1.0537e+002	0.0000e+000	8.6792e+003	0.0000e+000	2.7348e+003
98	0.0000e+000	-2.9739e-016	3.5527e-015	1.1732e+003	9.0949e-013	0.0000e+000
	0.0000e+000	-2.9739e-016	3.5527e-015	1.1732e+003	-1.8190e-012	0.0000e+000
103	-1.8190e-012	1.0537e+002	-2.8422e-014	8.6792e+003	0.0000e+000	3.9079e+003
	-1.8190e-012	1.0537e+002	-2.8422e-014	8.6792e+003	1.4552e-011	4.3422e+004
109	2.9509e+002	-9.7095e+002	-9.0059e+000	3.3144e+003	1.5240e+003	1.7696e+005
	2.9509e+002	-9.7095e+002	-9.0059e+000	3.3144e+003	-3.0240e+003	-3.1337e+005
110	-7.2760e-012	1.4062e+002	0.0000e+000	1.2328e+004	0.0000e+000	2.0877e+004
	-7.2760e-012	1.4062e+002	0.0000e+000	1.2328e+004	0.0000e+000	7.3611e+004
111	-1.8190e-012	-9.4420e+002	0.0000e+000	1.4693e+004	3.6380e-012	1.9878e+005
	-1.8190e-012	-9.4420e+002	0.0000e+000	1.4693e+004	-3.6380e-012	-2.7804e+005
112	0.0000e+000	2.1293e+002	0.0000e+000	1.6066e+004	3.6380e-012	-5.3617e+004
	0.0000e+000	2.1293e+002	0.0000e+000	1.6066e+004	-1.8190e-012	5.3910e+004
113	0.0000e+000	3.3951e+001	-7.1054e-015	9.8464e+002	3.6380e-012	-9.0637e+003
	0.0000e+000	3.3951e+001	-7.1054e-015	9.8464e+002	-5.4570e-012	8.0816e+003
114	-5.1602e+001	1.6236e+000	-6.9520e+000	9.7663e+003	1.4089e+003	-4.0887e+003
	-5.1602e+001	1.6236e+000	-6.9520e+000	9.7663e+003	-2.6928e+003	-3.1308e+003
115	0.0000e+000	4.4805e+001	-3.5527e-015	1.2478e+004	-4.5475e-013	-1.5483e+004
	0.0000e+000	4.4805e+001	-3.5527e-015	1.2478e+004	0.0000e+000	1.0952e+004
116	2.2737e-013	-1.0551e+002	0.0000e+000	-6.1042e+003	0.0000e+000	3.4310e+004
	2.2737e-013	-1.0551e+002	0.0000e+000	-6.1042e+003	0.0000e+000	-2.7939e+004
117	2.2737e-013	6.3846e+001	-3.5527e-015	-1.2325e+003	-4.5475e-013	-6.3084e+003
	2.2737e-013	6.3846e+001	-3.5527e-015	-1.2325e+003	0.0000e+000	3.1361e+004
118	0.0000e+000	-1.1805e+002	-3.5527e-015	4.6672e+003	-4.5475e-013	4.1689e+004
	0.0000e+000	-1.1805e+002	-3.5527e-015	4.6672e+003	0.0000e+000	-2.7959e+004

157	9.8214e+003	7.8841e+001	2.5394e+001	2.8426e+003	-1.0972e+004	-2.2059e+004
	9.8214e+003	7.8841e+001	2.5394e+001	2.8426e+003	3.1218e+003	2.1698e+004
158	1.1127e+004	7.5322e+001	-7.7260e+001	-1.7517e+005	2.8886e+004	-2.5455e+004
	1.1127e+004	7.5322e+001	-7.7260e+001	-1.7517e+005	-1.3993e+004	1.6349e+004
176	2.2212e+004	-2.8021e+001	-1.0679e+001	-9.0269e+003	-7.1745e+003	7.4555e+003
	2.2212e+004	-2.8021e+001	-1.0679e+001	-9.0269e+003	-1.3101e+004	-8.0959e+003
177	2.6040e+004	9.3382e+001	1.5760e+001	-5.6422e+004	2.1850e+004	-3.7511e+004
	2.6040e+004	9.3382e+001	1.5760e+001	-5.6422e+004	3.0597e+004	1.4316e+004
195	2.0157e+004	-8.3809e+001	-7.0528e-001	-7.8809e+003	-3.7509e+003	1.7454e+004
	2.0157e+004	-8.3809e+001	-7.0528e-001	-7.8809e+003	-4.1423e+003	-2.9061e+004
196	2.3792e+004	1.3195e+002	5.9429e+000	6.4852e+004	8.4651e+003	-4.6793e+004
	2.3792e+004	1.3195e+002	5.9429e+000	6.4852e+004	1.1763e+004	2.6438e+004
216	2.0014e+004	-1.0942e+002	3.0406e+000	-1.4393e+004	-4.5848e+003	2.7645e+004
	2.0014e+004	-1.0942e+002	3.0406e+000	-1.4393e+004	-2.8973e+003	-3.3085e+004
217	2.3614e+004	2.9488e+000	1.9388e+000	1.8172e+005	9.4966e+003	7.2367e+002
	2.3614e+004	2.9488e+000	1.9388e+000	1.8172e+005	1.0573e+004	2.3602e+003
235	2.6021e+004	4.4951e+001	-1.2453e+001	1.0327e+004	2.8097e+004	-1.2105e+004
	2.6021e+004	4.4951e+001	-1.2453e+001	1.0327e+004	2.0750e+004	1.4416e+004
236	2.2716e+004	1.1418e+001	8.1168e+000	9.0603e+003	-1.3035e+004	-9.4935e+003
	2.2716e+004	1.1418e+001	8.1168e+000	9.0603e+003	-8.2460e+003	-2.7569e+003
263	9.4897e+003	3.2902e+001	-3.1724e+001	1.8608e+004	6.5205e+003	-8.2360e+003
	9.4897e+003	3.2902e+001	-3.1724e+001	1.8608e+004	-1.2197e+004	1.1176e+004
265	1.1603e+004	-5.3334e+001	6.9469e+001	-2.2713e+004	-1.1434e+004	1.6999e+004
	1.1603e+004	-5.3334e+001	6.9469e+001	-2.2713e+004	2.9553e+004	-1.4468e+004
267	2.1520e+004	-4.9859e+003	8.6119e+002	1.9850e+004	-2.4215e+004	4.5246e+005
	2.1300e+004	-2.8631e+003	8.6119e+002	1.9850e+004	8.5517e+004	-4.7599e+004
	1.5467e+004	-1.8438e+003	1.0575e+003	4.2293e+002	-4.2175e+004	-1.4804e+005
	1.5209e+004	2.8863e+002	1.0575e+003	4.2293e+002	9.3445e+004	-2.4776e+005
	7.8178e+003	8.9390e+002	1.0922e+003	-1.5976e+004	-5.1484e+004	-3.4185e+005
	7.5221e+003	3.0215e+003	1.0922e+003	-1.5976e+004	8.8584e+004	-9.0787e+004
	2.3691e+002	2.4662e+003	8.6062e+002	-3.5730e+004	-3.7349e+004	-1.5754e+005
	-1.0687e+002	4.5420e+003	8.6062e+002	-3.5730e+004	7.0763e+004	2.8265e+005
268	2.5036e+004	-1.8925e+003	-3.6001e+002	-4.6518e+004	5.4980e+004	-2.0082e+005
	2.4925e+004	2.5274e+002	-3.6001e+002	-4.6518e+004	8.8118e+003	-3.0596e+005
	2.6214e+004	1.5546e+003	5.7101e+001	-6.6263e+004	3.0111e+004	-4.1087e+005
	2.6066e+004	3.6976e+003	5.7101e+001	-6.6263e+004	3.7434e+004	-7.4095e+004
	2.4746e+004	4.8688e+003	4.4337e+002	-8.7617e+004	4.6979e+003	-1.8464e+005
	2.4559e+004	7.0226e+003	4.4337e+002	-8.7617e+004	6.1922e+004	5.8275e+005
	2.1399e+004	-5.2824e+003	-7.4809e+002	-2.9498e+004	7.2447e+004	3.9320e+005
	2.1330e+004	-3.2657e+003	-7.4809e+002	-2.9498e+004	-1.7679e+004	-1.2172e+005
269	1.5301e+004	2.5390e+003	-9.9386e+002	-2.4024e+005	8.7466e+004	-1.4625e+005
	1.5260e+004	4.8167e+003	-9.9386e+002	-2.4024e+005	-4.7707e+004	3.5397e+005
	1.2207e+003	-1.1137e+003	-1.8613e+003	-1.3721e+005	1.0754e+005	7.3492e+004
	1.2203e+003	5.6129e+002	-1.8613e+003	-1.3721e+005	-7.8594e+004	4.5871e+004
	8.2156e+003	-9.6696e+003	-1.4635e+003	7.0629e+005	8.5759e+004	4.1000e+005
	8.2152e+003	-7.8436e+003	-1.4635e+003	7.0629e+005	-7.3781e+004	-5.4459e+005
270	1.8467e+004	-2.4408e+003	-1.0305e+003	9.3586e+002	4.0418e+004	-1.3111e+005
	1.8222e+004	-4.1915e+002	-1.0305e+003	9.3586e+002	-9.1742e+004	-3.1450e+005
	1.0592e+004	5.2806e+002	-1.2737e+003	1.1328e+004	5.7639e+004	-2.6695e+005
	1.0312e+004	2.5452e+003	-1.2737e+003	1.1328e+004	-1.0571e+005	-6.9887e+004
	2.0623e+003	2.4821e+003	-1.1870e+003	2.5320e+004	5.5320e+004	-4.1964e+004
	1.7363e+003	4.4501e+003	-1.1870e+003	2.5320e+004	-9.3796e+004	3.9345e+005
	2.4351e+004	-5.5397e+003	-6.9951e+002	-1.2992e+004	1.2487e+004	3.7555e+005
	2.4142e+004	-3.5272e+003	-6.9951e+002	-1.2992e+004	-7.6644e+004	-2.0209e+005
271	2.5949e+004	-3.3151e+003	5.9320e+002	-6.8837e+003	-7.0798e+004	-1.5706e+005

	2.5844e+004	-1.2813e+003	5.9320e+002	-6.8837e+003	5.2753e+003	-4.5178e+005
	2.8084e+004	-2.8845e+001	1.8246e+002	1.2255e+004	-4.6544e+004	-3.3889e+005
	2.7944e+004	2.0028e+003	1.8246e+002	1.2255e+004	-2.3145e+004	-2.1231e+005
	2.7365e+004	3.4430e+003	-2.4849e+002	3.0959e+004	-1.7500e+004	-1.1482e+005
	2.7189e+004	5.4849e+003	-2.4849e+002	3.0959e+004	-4.9571e+004	4.6133e+005
	2.1365e+004	-6.3091e+003	9.5904e+002	-2.5299e+004	-8.7548e+004	3.7985e+005
	2.1300e+004	-4.3971e+003	9.5904e+002	-2.5299e+004	2.7992e+004	-2.6506e+005
272	1.3746e+003	-2.9203e+003	1.5837e+003	2.3332e+003	-9.6262e+004	3.1698e+005
	1.3742e+003	-1.3323e+003	1.5837e+003	2.3332e+003	6.2108e+004	1.0436e+005
	7.7156e+003	-2.1001e+003	1.2333e+003	2.3303e+003	-7.3983e+004	7.0890e+004
	7.7152e+003	-3.6893e+002	1.2333e+003	2.3303e+003	6.0470e+004	-6.3688e+004
	1.4676e+004	-4.1894e+001	9.9238e+002	1.4667e+004	-8.8483e+004	6.3186e+003
	1.4637e+004	2.1176e+003	9.9238e+002	1.4667e+004	4.6489e+004	1.4747e+005

Condizione "(1) Torcente di piano SLO"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	-1.2879e+002	-4.5146e+001	-1.7154e+000	6.2783e+001	-9.5802e+002	3.9713e+003
	-1.2879e+002	-4.5146e+001	-1.7154e+000	6.2783e+001	-1.1296e+003	-5.4331e+002
17	-1.4515e+001	1.1499e+000	-3.1669e-001	-3.2575e+001	9.5082e+002	-1.1458e+002
	-1.4515e+001	1.1499e+000	-3.1669e-001	-3.2575e+001	9.1915e+002	4.1028e-001
97	1.4552e-011	-2.9059e+002	-3.6380e-012	2.2618e+004	-4.6566e-010	7.6457e+004
	1.4552e-011	-2.9059e+002	-3.6380e-012	2.2618e+004	0.0000e+000	3.8680e+004
98	0.0000e+000	-3.0889e-016	0.0000e+000	2.8883e+003	3.6380e-012	0.0000e+000
	0.0000e+000	-3.0889e-016	0.0000e+000	2.8883e+003	-3.6380e-012	0.0000e+000
103	0.0000e+000	-2.9059e+002	-1.1369e-013	2.2618e+004	-1.4552e-011	4.1568e+004
	0.0000e+000	-2.9059e+002	-1.1369e-013	2.2618e+004	2.9104e-011	-6.7403e+004
109	-3.5443e+003	-2.3844e+002	-5.0317e+001	9.0628e+003	7.9426e+003	4.8546e+004
	-3.5443e+003	-2.3844e+002	-5.0317e+001	9.0628e+003	-1.7467e+004	-7.1867e+004
110	0.0000e+000	-4.7147e+002	-5.6843e-014	2.7407e+004	-3.6380e-012	1.0292e+005
	0.0000e+000	-4.7147e+002	-5.6843e-014	2.7407e+004	7.2760e-012	-7.3876e+004
111	-3.6380e-012	-1.0690e+002	0.0000e+000	1.4210e+004	1.4552e-011	3.4921e+004
	-3.6380e-012	-1.0690e+002	0.0000e+000	1.4210e+004	-1.4552e-011	-1.9065e+004
112	0.0000e+000	3.4757e+002	0.0000e+000	3.5547e+003	7.2760e-012	-8.5914e+004
	0.0000e+000	3.4757e+002	0.0000e+000	3.5547e+003	-5.4570e-012	8.9609e+004
113	0.0000e+000	3.9692e+002	0.0000e+000	-3.5204e+002	1.0914e-011	-1.0268e+005
	0.0000e+000	3.9692e+002	0.0000e+000	-3.5204e+002	-1.4552e-011	9.7761e+004
114	2.0850e+003	1.3514e+002	-3.5852e+001	7.2572e+003	6.5001e+003	-3.9780e+004
	2.0850e+003	1.3514e+002	-3.5852e+001	7.2572e+003	-1.4653e+004	3.9950e+004
115	0.0000e+000	1.7139e+002	-1.4211e-014	8.5602e+003	-1.8190e-012	-4.9169e+004
	0.0000e+000	1.7139e+002	-1.4211e-014	8.5602e+003	0.0000e+000	5.1951e+004
116	-4.5475e-013	-1.5823e+002	-1.4211e-014	-5.1960e+002	0.0000e+000	4.3420e+004
	-4.5475e-013	-1.5823e+002	-1.4211e-014	-5.1960e+002	3.6380e-012	-4.9938e+004
117	-4.5475e-013	-6.1632e+001	-1.4211e-014	1.0491e+004	-1.8190e-012	1.3592e+004
	-4.5475e-013	-6.1632e+001	-1.4211e-014	1.0491e+004	0.0000e+000	-2.2771e+004
118	0.0000e+000	-2.6100e+002	-1.4211e-014	1.3356e+004	-1.8190e-012	5.2712e+004
	0.0000e+000	-2.6100e+002	-1.4211e-014	1.3356e+004	0.0000e+000	-1.0128e+005
157	5.7550e+001	3.8275e+001	-1.8094e+000	6.6328e+002	5.4258e+002	-1.1326e+004
	5.7550e+001	3.8275e+001	-1.8094e+000	6.6328e+002	-4.6163e+002	9.9171e+003
158	-8.9379e+001	-2.6117e+001	-6.2356e-001	2.7945e+003	1.4119e+002	5.5374e+003
	-8.9379e+001	-2.6117e+001	-6.2356e-001	2.7945e+003	-2.0489e+002	-8.9575e+003
176	1.4698e+002	3.9263e+001	-1.5986e+000	2.0190e+003	4.0916e+002	-1.0716e+004
	1.4698e+002	3.9263e+001	-1.5986e+000	2.0190e+003	-4.7808e+002	1.1075e+004
177	-2.2586e+002	-7.4349e+000	-5.3237e-001	2.8306e+003	8.9928e+001	2.7220e+003
	-2.2586e+002	-7.4349e+000	-5.3237e-001	2.8306e+003	-2.0554e+002	-1.4044e+003
195	2.9758e+002	3.9393e+001	-1.4988e+000	5.1069e+003	4.8486e+002	-1.1560e+004
	2.9758e+002	3.9393e+001	-1.4988e+000	5.1069e+003	-3.4697e+002	1.0304e+004

196	-3.3537e+002	-7.7952e+000	-5.4120e-001	2.7955e+003	5.5108e+001	1.8058e+003
	-3.3537e+002	-7.7952e+000	-5.4120e-001	2.7955e+003	-2.4526e+002	-2.5206e+003
216	3.7337e+002	-1.6196e+001	1.9964e+000	2.4572e+004	-9.1017e+002	9.3735e+003
	3.7337e+002	-1.6196e+001	1.9964e+000	2.4572e+004	1.9786e+002	3.8479e+002
217	-3.9044e+002	-2.4537e+001	-1.1689e+000	2.6190e+003	2.8649e+002	8.9302e+003
	-3.9044e+002	-2.4537e+001	-1.1689e+000	2.6190e+003	-3.6227e+002	-4.6878e+003
235	-3.0829e+002	-5.0720e+001	-1.3628e+000	1.8604e+003	1.9705e+002	1.5099e+004
	-3.0829e+002	-5.0720e+001	-1.3628e+000	1.8604e+003	-6.0703e+002	-1.4826e+004
236	3.0694e+002	-5.1273e+001	3.1330e+000	-1.2634e+004	-1.0577e+003	1.6037e+004
	3.0694e+002	-5.1273e+001	3.1330e+000	-1.2634e+004	7.9077e+002	-1.4214e+004
263	2.2747e+002	-3.9514e+000	9.7208e-001	-1.6111e+004	-3.1769e+002	-1.0617e+003
	2.2747e+002	-3.9514e+000	9.7208e-001	-1.6111e+004	2.5584e+002	-3.3930e+003
265	7.3948e+001	-1.6619e+001	-1.8641e+000	-7.1694e+003	1.0326e+003	7.7362e+002
	7.3948e+001	-1.6619e+001	-1.8641e+000	-7.1694e+003	-6.7206e+001	-9.0315e+003
267	2.6540e+002	1.9299e+001	4.1855e+001	-3.3610e+004	-4.1085e+003	-1.3520e+003
	2.6540e+002	1.9299e+001	4.1855e+001	-3.3610e+004	1.2245e+003	1.1071e+003
	5.7207e+001	1.1412e+001	5.2187e+001	-3.2458e+004	-3.9625e+003	1.0773e+003
	5.7207e+001	1.1412e+001	5.2187e+001	-3.2458e+004	2.7300e+003	2.5409e+003
	-2.0355e+002	2.9900e+000	5.9145e+001	-3.1720e+004	-4.1740e+003	2.6164e+003
	-2.0355e+002	2.9900e+000	5.9145e+001	-3.1720e+004	3.4109e+003	2.9998e+003
	-5.1835e+002	-1.6951e+001	6.6643e+001	-3.1498e+004	-3.8327e+003	3.1332e+003
	-5.1835e+002	-1.6951e+001	6.6643e+001	-3.1498e+004	4.5391e+003	1.0038e+003
268	5.0195e+002	1.2361e+002	4.5882e-001	-2.2241e+004	-1.6569e+003	-1.1954e+004
	5.0195e+002	1.2361e+002	4.5882e-001	-2.2241e+004	-1.5981e+003	3.8984e+003
	3.6988e+002	1.1159e+002	3.4560e+001	-2.0320e+004	-3.9592e+003	3.7268e+003
	3.6988e+002	1.1159e+002	3.4560e+001	-2.0320e+004	4.7278e+002	1.8038e+004
	1.4937e+002	9.9542e+001	6.2587e+001	-1.8622e+004	-4.8681e+003	1.8395e+004
	1.4937e+002	9.9542e+001	6.2587e+001	-1.8622e+004	3.2097e+003	3.1243e+004
	4.7170e+002	1.3702e+002	-6.8611e+001	-2.4203e+004	2.2768e+003	-2.7699e+004
	4.7170e+002	1.3702e+002	-6.8611e+001	-2.4203e+004	-5.9892e+003	-1.1191e+004
269	5.3030e+001	2.4344e+002	2.6458e+001	9.4772e+004	-2.2082e+003	-4.1390e+003
	5.3030e+001	2.4344e+002	2.6458e+001	9.4772e+004	1.3903e+003	2.8971e+004
	-6.6425e+001	2.7627e+002	-4.8984e+001	8.9074e+004	2.4092e+003	-6.9398e+004
	-6.6425e+001	2.7627e+002	-4.8984e+001	8.9074e+004	-2.4892e+003	-4.1771e+004
	3.5204e+001	7.9827e+002	-3.8115e+001	3.0812e+004	1.2942e+003	-6.4250e+004
	3.5204e+001	7.9827e+002	-3.8115e+001	3.0812e+004	-2.8608e+003	2.2773e+004
270	-2.9071e+001	-1.0934e+002	-5.4755e+000	6.1025e+002	4.7502e+002	9.9993e+003
	-2.9071e+001	-1.0934e+002	-5.4755e+000	6.1025e+002	-2.2717e+002	-4.0223e+003
	-4.8623e+001	-1.1412e+002	-7.2993e+000	5.8018e+002	-1.0987e+002	-3.6096e+003
	-4.8623e+001	-1.1412e+002	-7.2993e+000	5.8018e+002	-1.0460e+003	-1.8244e+004
	-1.1836e+002	-1.1527e+002	-8.0647e-001	7.8105e+002	7.1400e+002	-1.7682e+004
	-1.1836e+002	-1.1527e+002	-8.0647e-001	7.8105e+002	6.1269e+002	-3.2162e+004
	2.0275e+001	-1.0643e+002	-8.9364e+000	5.7894e+002	4.2105e+002	2.3617e+004
	2.0275e+001	-1.0643e+002	-8.9364e+000	5.7894e+002	-7.1760e+002	1.0056e+004
271	4.2104e+001	-9.5042e+001	-9.9439e+000	2.3938e+003	7.1206e+002	1.3744e+004
	4.2104e+001	-9.5042e+001	-9.9439e+000	2.3938e+003	-5.6317e+002	1.5555e+003
	-1.0458e+001	-9.7761e+001	-9.6294e+000	2.3909e+003	5.2749e+002	1.6304e+003
	-1.0458e+001	-9.7761e+001	-9.6294e+000	2.3909e+003	-7.0741e+002	-1.0907e+004
	-7.3009e+001	-1.0247e+002	-8.9015e+000	2.3998e+003	5.6482e+002	-1.0418e+004
	-7.3009e+001	-1.0247e+002	-8.9015e+000	2.3998e+003	-5.8407e+002	-2.3644e+004
	1.0891e+002	-9.4192e+001	-1.1131e+001	2.4079e+003	6.7551e+002	2.5396e+004
	1.0891e+002	-9.4192e+001	-1.1131e+001	2.4079e+003	-6.6556e+002	1.4048e+004
272	1.0967e+002	-1.7338e+002	-1.0522e+001	1.0146e+003	9.1757e+002	3.5457e+004
	1.0967e+002	-1.7338e+002	-1.0522e+001	1.0146e+003	-1.3467e+002	1.8119e+004
	8.2692e+001	-1.6495e+002	-9.1637e+000	1.0146e+003	3.9212e+002	1.8815e+004

8.2692e+001	-1.6495e+002	-9.1637e+000	1.0146e+003	-6.0685e+002	8.3328e+002
2.1962e+001	-1.6538e+002	-9.4424e+000	9.7510e+002	7.5876e+002	9.8710e+002
2.1962e+001	-1.6538e+002	-9.4424e+000	9.7510e+002	-5.2548e+002	-2.1506e+004

Condizione "(1) Torcente di piano SLD"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	-1.5957e+002	-5.5934e+001	-2.1253e+000	7.7785e+001	-1.1869e+003	4.9202e+003
	-1.5957e+002	-5.5934e+001	-2.1253e+000	7.7785e+001	-1.3995e+003	-6.7313e+002
17	-1.7983e+001	1.4246e+000	-3.9236e-001	-4.0359e+001	1.1780e+003	-1.4196e+002
	-1.7983e+001	1.4246e+000	-3.9236e-001	-4.0359e+001	1.1388e+003	5.0832e-001
97	2.9104e-011	-3.6003e+002	0.0000e+000	2.8023e+004	-4.6566e-010	9.4726e+004
	2.9104e-011	-3.6003e+002	0.0000e+000	2.8023e+004	4.6566e-010	4.7923e+004
98	7.2760e-012	-3.8270e-016	0.0000e+000	3.5784e+003	3.6380e-012	0.0000e+000
	7.2760e-012	-3.8270e-016	0.0000e+000	3.5784e+003	-3.6380e-012	0.0000e+000
103	0.0000e+000	-3.6003e+002	1.1369e-013	2.8023e+004	-4.3656e-011	5.1501e+004
	0.0000e+000	-3.6003e+002	1.1369e-013	2.8023e+004	0.0000e+000	-8.3509e+004
109	-4.3912e+003	-2.9542e+002	-6.2340e+001	1.1228e+004	9.8405e+003	6.0145e+004
	-4.3912e+003	-2.9542e+002	-6.2340e+001	1.1228e+004	-2.1641e+004	-8.9040e+004
110	0.0000e+000	-5.8412e+002	2.8422e-014	3.3956e+004	-7.2760e-012	1.2752e+005
	0.0000e+000	-5.8412e+002	2.8422e-014	3.3956e+004	0.0000e+000	-9.1529e+004
111	0.0000e+000	-1.3245e+002	0.0000e+000	1.7605e+004	1.4552e-011	4.3265e+004
	0.0000e+000	-1.3245e+002	0.0000e+000	1.7605e+004	-1.4552e-011	-2.3621e+004
112	1.4552e-011	4.3062e+002	0.0000e+000	4.4041e+003	7.2760e-012	-1.0644e+005
	1.4552e-011	4.3062e+002	0.0000e+000	4.4041e+003	-7.2760e-012	1.1102e+005
113	1.4552e-011	4.9176e+002	0.0000e+000	-4.3616e+002	1.4552e-011	-1.2722e+005
	1.4552e-011	4.9176e+002	0.0000e+000	-4.3616e+002	-7.2760e-012	1.2112e+005
114	2.5832e+003	1.6743e+002	-4.4419e+001	8.9913e+003	8.0533e+003	-4.9285e+004
	2.5832e+003	1.6743e+002	-4.4419e+001	8.9913e+003	-1.8154e+004	4.9496e+004
115	0.0000e+000	2.1234e+002	-1.4211e-014	1.0606e+004	-1.8190e-012	-6.0918e+004
	0.0000e+000	2.1234e+002	-1.4211e-014	1.0606e+004	0.0000e+000	6.4365e+004
116	-1.8190e-012	-1.9604e+002	-2.8422e-014	-6.4376e+002	0.0000e+000	5.3795e+004
	-1.8190e-012	-1.9604e+002	-2.8422e-014	-6.4376e+002	0.0000e+000	-6.1870e+004
117	-1.8190e-012	-7.6358e+001	-1.4211e-014	1.2998e+004	-1.8190e-012	1.6840e+004
	-1.8190e-012	-7.6358e+001	-1.4211e-014	1.2998e+004	0.0000e+000	-2.8212e+004
118	0.0000e+000	-3.2337e+002	-1.4211e-014	1.6548e+004	-1.8190e-012	6.5308e+004
	0.0000e+000	-3.2337e+002	-1.4211e-014	1.6548e+004	0.0000e+000	-1.2548e+005
157	7.1302e+001	4.7421e+001	-2.2417e+000	8.2177e+002	6.7222e+002	-1.4032e+004
	7.1302e+001	4.7421e+001	-2.2417e+000	8.2177e+002	-5.7194e+002	1.2287e+004
158	-1.1074e+002	-3.2358e+001	-7.7256e-001	3.4622e+003	1.7492e+002	6.8606e+003
	-1.1074e+002	-3.2358e+001	-7.7256e-001	3.4622e+003	-2.5385e+002	-1.1098e+004
176	1.8210e+002	4.8645e+001	-1.9806e+000	2.5014e+003	5.0693e+002	-1.3276e+004
	1.8210e+002	4.8645e+001	-1.9806e+000	2.5014e+003	-5.9232e+002	1.3722e+004
177	-2.7983e+002	-9.2115e+000	-6.5958e-001	3.5070e+003	1.1142e+002	3.3724e+003
	-2.7983e+002	-9.2115e+000	-6.5958e-001	3.5070e+003	-2.5465e+002	-1.7399e+003
195	3.6869e+002	4.8806e+001	-1.8569e+000	6.3272e+003	6.0071e+002	-1.4322e+004
	3.6869e+002	4.8806e+001	-1.8569e+000	6.3272e+003	-4.2988e+002	1.2766e+004
196	-4.1551e+002	-9.6578e+000	-6.7052e-001	3.4634e+003	6.8275e+001	2.2372e+003
	-4.1551e+002	-9.6578e+000	-6.7052e-001	3.4634e+003	-3.0386e+002	-3.1228e+003
216	4.6259e+002	-2.0066e+001	2.4735e+000	3.0443e+004	-1.1276e+003	1.1613e+004
	4.6259e+002	-2.0066e+001	2.4735e+000	3.0443e+004	2.4514e+002	4.7673e+002
217	-4.8374e+002	-3.0400e+001	-1.4483e+000	3.2448e+003	3.5495e+002	1.1064e+004
	-4.8374e+002	-3.0400e+001	-1.4483e+000	3.2448e+003	-4.4884e+002	-5.8080e+003
235	-3.8195e+002	-6.2840e+001	-1.6885e+000	2.3049e+003	2.4413e+002	1.8707e+004
	-3.8195e+002	-6.2840e+001	-1.6885e+000	2.3049e+003	-7.5208e+002	-1.8369e+004
236	3.8028e+002	-6.3524e+001	3.8816e+000	-1.5653e+004	-1.3104e+003	1.9869e+004
	3.8028e+002	-6.3524e+001	3.8816e+000	-1.5653e+004	9.7972e+002	-1.7610e+004

263	2.8183e+002	-4.8956e+000	1.2044e+000	-1.9961e+004	-3.9360e+002	-1.3154e+003
	2.8183e+002	-4.8956e+000	1.2044e+000	-1.9961e+004	3.1697e+002	-4.2038e+003
265	9.1617e+001	-2.0590e+001	-2.3095e+000	-8.8825e+003	1.2794e+003	9.5847e+002
	9.1617e+001	-2.0590e+001	-2.3095e+000	-8.8825e+003	-8.3265e+001	-1.1190e+004
267	3.2882e+002	2.3911e+001	5.1856e+001	-4.1641e+004	-5.0902e+003	-1.6751e+003
	3.2882e+002	2.3911e+001	5.1856e+001	-4.1641e+004	1.5171e+003	1.3716e+003
	7.0877e+001	1.4139e+001	6.4657e+001	-4.0214e+004	-4.9093e+003	1.3347e+003
	7.0877e+001	1.4139e+001	6.4657e+001	-4.0214e+004	3.3824e+003	3.1480e+003
	-2.5219e+002	3.7044e+000	7.3278e+001	-3.9300e+004	-5.1714e+003	3.2416e+003
	-2.5219e+002	3.7044e+000	7.3278e+001	-3.9300e+004	4.2259e+003	3.7166e+003
	-6.4221e+002	-2.1001e+001	8.2567e+001	-3.9025e+004	-4.7485e+003	3.8819e+003
	-6.4221e+002	-2.1001e+001	8.2567e+001	-3.9025e+004	5.6237e+003	1.2437e+003
	6.2189e+002	1.5315e+002	5.6846e-001	-2.7555e+004	-2.0529e+003	-1.4810e+004
	6.2189e+002	1.5315e+002	5.6846e-001	-2.7555e+004	-1.9800e+003	4.8299e+003
268	4.5827e+002	1.3826e+002	4.2817e+001	-2.5175e+004	-4.9053e+003	4.6173e+003
	4.5827e+002	1.3826e+002	4.2817e+001	-2.5175e+004	5.8575e+002	2.2348e+004
	1.8507e+002	1.2333e+002	7.7542e+001	-2.3072e+004	-6.0314e+003	2.2791e+004
	1.8507e+002	1.2333e+002	7.7542e+001	-2.3072e+004	3.9767e+003	3.8708e+004
	5.8441e+002	1.6976e+002	-8.5006e+001	-2.9986e+004	2.8208e+003	-3.4317e+004
	5.8441e+002	1.6976e+002	-8.5006e+001	-2.9986e+004	-7.4203e+003	-1.3865e+004
	6.5701e+001	3.0161e+002	3.2780e+001	1.1742e+005	-2.7359e+003	-5.1280e+003
	6.5701e+001	3.0161e+002	3.2780e+001	1.1742e+005	1.7225e+003	3.5894e+004
	-8.2297e+001	3.4228e+002	-6.0688e+001	1.1036e+005	2.9848e+003	-8.5980e+004
	-8.2297e+001	3.4228e+002	-6.0688e+001	1.1036e+005	-3.0840e+003	-5.1753e+004
269	4.3616e+001	9.8902e+002	-4.7222e+001	3.8175e+004	1.6035e+003	-7.9602e+004
	4.3616e+001	9.8902e+002	-4.7222e+001	3.8175e+004	-3.5444e+003	2.8215e+004
	-3.6018e+001	-1.3546e+002	-6.7839e+000	7.5607e+002	5.8852e+002	1.2389e+004
	-3.6018e+001	-1.3546e+002	-6.7839e+000	7.5607e+002	-2.8145e+002	-4.9834e+003
	-6.0241e+001	-1.4138e+002	-9.0434e+000	7.1882e+002	-1.3613e+002	-4.4722e+003
	-6.0241e+001	-1.4138e+002	-9.0434e+000	7.1882e+002	-1.2959e+003	-2.2603e+004
	-1.4664e+002	-1.4281e+002	-9.9917e-001	9.6768e+002	8.8461e+002	-2.1907e+004
	-1.4664e+002	-1.4281e+002	-9.9917e-001	9.6768e+002	7.5909e+002	-3.9847e+004
	2.5120e+001	-1.3186e+002	-1.1072e+001	7.1727e+002	5.2166e+002	2.9261e+004
	2.5120e+001	-1.3186e+002	-1.1072e+001	7.1727e+002	-8.8907e+002	1.2459e+004
270	5.2164e+001	-1.1775e+002	-1.2320e+001	2.9658e+003	8.8220e+002	1.7028e+004
	5.2164e+001	-1.1775e+002	-1.2320e+001	2.9658e+003	-6.9773e+002	1.9271e+003
	-1.2957e+001	-1.2112e+002	-1.1930e+001	2.9623e+003	6.5354e+002	2.0200e+003
	-1.2957e+001	-1.2112e+002	-1.1930e+001	2.9623e+003	-8.7644e+002	-1.3513e+004
	-9.0454e+001	-1.2695e+002	-1.1029e+001	2.9733e+003	6.9979e+002	-1.2908e+004
	-9.0454e+001	-1.2695e+002	-1.1029e+001	2.9733e+003	-7.2363e+002	-2.9293e+004
	1.3494e+002	-1.1670e+002	-1.3791e+001	2.9833e+003	8.3693e+002	3.1464e+004
	1.3494e+002	-1.1670e+002	-1.3791e+001	2.9833e+003	-8.2459e+002	1.7405e+004
	1.3587e+002	-2.1481e+002	-1.3037e+001	1.2571e+003	1.1368e+003	4.3929e+004
	1.3587e+002	-2.1481e+002	-1.3037e+001	1.2571e+003	-1.6685e+002	2.2448e+004
271	1.0245e+002	-2.0436e+002	-1.1353e+001	1.2571e+003	4.8582e+002	2.3311e+004
	1.0245e+002	-2.0436e+002	-1.1353e+001	1.2571e+003	-7.5186e+002	1.0324e+003
	2.7210e+001	-2.0490e+002	-1.1699e+001	1.2081e+003	9.4006e+002	1.2230e+003
	2.7210e+001	-2.0490e+002	-1.1699e+001	1.2081e+003	-6.5104e+002	-2.6645e+004
272	1.3587e+002	-2.1481e+002	-1.3037e+001	1.2571e+003	1.1368e+003	4.3929e+004
	1.3587e+002	-2.1481e+002	-1.3037e+001	1.2571e+003	-1.6685e+002	2.2448e+004
	1.0245e+002	-2.0436e+002	-1.1353e+001	1.2571e+003	4.8582e+002	2.3311e+004
	1.0245e+002	-2.0436e+002	-1.1353e+001	1.2571e+003	-7.5186e+002	1.0324e+003
	2.7210e+001	-2.0490e+002	-1.1699e+001	1.2081e+003	9.4006e+002	1.2230e+003
	2.7210e+001	-2.0490e+002	-1.1699e+001	1.2081e+003	-6.5104e+002	-2.6645e+004
	1.3587e+002	-2.1481e+002	-1.3037e+001	1.2571e+003	1.1368e+003	4.3929e+004
	1.3587e+002	-2.1481e+002	-1.3037e+001	1.2571e+003	-1.6685e+002	2.2448e+004
	1.0245e+002	-2.0436e+002	-1.1353e+001	1.2571e+003	4.8582e+002	2.3311e+004
	1.0245e+002	-2.0436e+002	-1.1353e+001	1.2571e+003	-7.5186e+002	1.0324e+003
273	2.7210e+001	-2.0490e+002	-1.1699e+001	1.2081e+003	9.4006e+002	1.2230e+003
	2.7210e+001	-2.0490e+002	-1.1699e+001	1.2081e+003	-6.5104e+002	-2.6645e+004
	1.3587e+002	-2.1481e+002	-1.3037e+001	1.2571e+003	1.1368e+003	4.3929e+004
	1.3587e+002	-2.1481e+002	-1.3037e+001	1.2571e+003	-1.6685e+002	2.2448e+004
	1.0245e+002	-2.0436e+002	-1.1353e+001	1.2571e+003	4.8582e+002	2.3311e+004
	1.0245e+002	-2.0436e+002	-1.1353e+001	1.2571e+003	-7.5186e+002	1.0324e+003
	2.7210e+001	-2.0490e+002	-1.1699e+001	1.2081e+003	9.4006e+002	1.2230e+003
	2.7210e+001	-2.0490e+002	-1.1699e+001	1.2081e+003	-6.5104e+002	-2.6645e+004
	1.3587e+002	-2.1481e+002	-1.3037e+001	1.2571e+003	1.1368e+003	4.3929e+004
	1.3587e+002	-2.1481e+002	-1.3037e+001	1.2571e+003	-1.6685e+002	2.2448e+004

Condizione "(1) Torcente di piano SLV"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
11	-3.4839e+002	-1.2212e+002	-4.6404e+000	1.6983e+002	-2.5915e+003	1.0743e+004
	-3.4839e+002	-1.2212e+002	-4.6404e+000	1.6983e+002	-3.0555e+003	-1.4697e+003
17	-3.9264e+001	3.1105e+000	-8.5665e-001	-8.8118e+001	2.5720e+003	-3.0994e+002
	-3.9264e+001	3.1105e+000	-8.5665e-001	-8.8118e+001	2.4864e+003	1.1098e+000
97	0.0000e+000	-7.8606e+002	-1.4552e-011	6.1183e+004	0.0000e+000	2.0682e+005

	0.0000e+000	-7.8606e+002	-1.4552e-011	6.1183e+004	0.0000e+000	1.0463e+005
98	0.0000e+000	-8.3557e-016	0.0000e+000	7.8129e+003	7.2760e-012	0.0000e+000
	0.0000e+000	-8.3557e-016	0.0000e+000	7.8129e+003	-7.2760e-012	0.0000e+000
103	-1.4552e-011	-7.8606e+002	2.2737e-013	6.1183e+004	-1.1642e-010	1.1244e+005
	-1.4552e-011	-7.8606e+002	2.2737e-013	6.1183e+004	5.8208e-011	-1.8233e+005
109	-9.5876e+003	-6.4500e+002	-1.3611e+002	2.4515e+004	2.1485e+004	1.3132e+005
	-9.5876e+003	-6.4500e+002	-1.3611e+002	2.4515e+004	-4.7250e+004	-1.9441e+005
110	0.0000e+000	-1.2753e+003	-1.1369e-013	7.4138e+004	-2.9104e-011	2.7842e+005
	0.0000e+000	-1.2753e+003	-1.1369e-013	7.4138e+004	0.0000e+000	-1.9984e+005
111	7.2760e-012	-2.8918e+002	0.0000e+000	3.8438e+004	2.9104e-011	9.4463e+004
	7.2760e-012	-2.8918e+002	0.0000e+000	3.8438e+004	-2.9104e-011	-5.1572e+004
112	-2.9104e-011	9.4020e+002	0.0000e+000	9.6158e+003	1.4552e-011	-2.3240e+005
	-2.9104e-011	9.4020e+002	0.0000e+000	9.6158e+003	-1.4552e-011	2.4240e+005
113	-2.9104e-011	1.0737e+003	-5.6843e-014	-9.5228e+002	2.9104e-011	-2.7776e+005
	-2.9104e-011	1.0737e+003	-5.6843e-014	-9.5228e+002	-2.9104e-011	2.6445e+005
114	5.6400e+003	3.6555e+002	-9.6982e+001	1.9631e+004	1.7583e+004	-1.0761e+005
	5.6400e+003	3.6555e+002	-9.6982e+001	1.9631e+004	-3.9636e+004	1.0807e+005
115	0.0000e+000	4.6362e+002	-2.8422e-014	2.3156e+004	-3.6380e-012	-1.3301e+005
	0.0000e+000	4.6362e+002	-2.8422e-014	2.3156e+004	0.0000e+000	1.4053e+005
116	-3.6380e-012	-4.2803e+002	-5.6843e-014	-1.4056e+003	0.0000e+000	1.1745e+005
	-3.6380e-012	-4.2803e+002	-5.6843e-014	-1.4056e+003	7.2760e-012	-1.3508e+005
117	-3.6380e-012	-1.6672e+002	-2.8422e-014	2.8378e+004	-3.6380e-012	3.6767e+004
	-3.6380e-012	-1.6672e+002	-2.8422e-014	2.8378e+004	0.0000e+000	-6.1596e+004
118	2.9104e-011	-7.0603e+002	-2.8422e-014	3.6129e+004	-3.6380e-012	1.4259e+005
	2.9104e-011	-7.0603e+002	-2.8422e-014	3.6129e+004	0.0000e+000	-2.7397e+005
157	1.5568e+002	1.0354e+002	-4.8945e+000	1.7942e+003	1.4677e+003	-3.0636e+004
	1.5568e+002	1.0354e+002	-4.8945e+000	1.7942e+003	-1.2487e+003	2.6826e+004
158	-2.4177e+002	-7.0648e+001	-1.6868e+000	7.5593e+003	3.8192e+002	1.4979e+004
	-2.4177e+002	-7.0648e+001	-1.6868e+000	7.5593e+003	-5.5424e+002	-2.4231e+004
176	3.9758e+002	1.0621e+002	-4.3244e+000	5.4615e+003	1.1068e+003	-2.8987e+004
	3.9758e+002	1.0621e+002	-4.3244e+000	5.4615e+003	-1.2932e+003	2.9959e+004
177	-6.1098e+002	-2.0112e+001	-1.4401e+000	7.6569e+003	2.4326e+002	7.3632e+003
	-6.1098e+002	-2.0112e+001	-1.4401e+000	7.6569e+003	-5.5599e+002	-3.7989e+003
195	8.0498e+002	1.0656e+002	-4.0543e+000	1.3815e+004	1.3116e+003	-3.1269e+004
	8.0498e+002	1.0656e+002	-4.0543e+000	1.3815e+004	-9.3857e+002	2.7872e+004
196	-9.0720e+002	-2.1086e+001	-1.4640e+000	7.5619e+003	1.4907e+002	4.8847e+003
	-9.0720e+002	-2.1086e+001	-1.4640e+000	7.5619e+003	-6.6344e+002	-6.8183e+003
216	1.0100e+003	-4.3811e+001	5.4005e+000	6.6468e+004	-2.4620e+003	2.5356e+004
	1.0100e+003	-4.3811e+001	5.4005e+000	6.6468e+004	5.3523e+002	1.0409e+003
217	-1.0562e+003	-6.6374e+001	-3.1621e+000	7.0845e+003	7.7498e+002	2.4157e+004
	-1.0562e+003	-6.6374e+001	-3.1621e+000	7.0845e+003	-9.7997e+002	-1.2681e+004
235	-8.3394e+002	-1.3720e+002	-3.6866e+000	5.0324e+003	5.3302e+002	4.0843e+004
	-8.3394e+002	-1.3720e+002	-3.6866e+000	5.0324e+003	-1.6421e+003	-4.0106e+004
236	8.3028e+002	-1.3870e+002	8.4750e+000	-3.4175e+004	-2.8612e+003	4.3381e+004
	8.3028e+002	-1.3870e+002	8.4750e+000	-3.4175e+004	2.1391e+003	-3.8449e+004
263	6.1533e+002	-1.0689e+001	2.6295e+000	-4.3582e+004	-8.5936e+002	-2.8720e+003
	6.1533e+002	-1.0689e+001	2.6295e+000	-4.3582e+004	6.9207e+002	-9.1784e+003
265	2.0003e+002	-4.4955e+001	-5.0425e+000	-1.9394e+004	2.7933e+003	2.0927e+003
	2.0003e+002	-4.4955e+001	-5.0425e+000	-1.9394e+004	-1.8180e+002	-2.4431e+004
267	7.1792e+002	5.2206e+001	1.1322e+002	-9.0917e+004	-1.1114e+004	-3.6573e+003
	7.1792e+002	5.2206e+001	1.1322e+002	-9.0917e+004	3.3124e+003	2.9947e+003
	1.5475e+002	3.0871e+001	1.4117e+002	-8.7802e+004	-1.0719e+004	2.9142e+003
	1.5475e+002	3.0871e+001	1.4117e+002	-8.7802e+004	7.3849e+003	6.8732e+003
	-5.5062e+002	8.0880e+000	1.5999e+002	-8.5805e+004	-1.1291e+004	7.0775e+003
	-5.5062e+002	8.0880e+000	1.5999e+002	-8.5805e+004	9.2266e+003	

						8.1147e+003
	-1.4022e+003	-4.5853e+001	1.8027e+002	-8.5204e+004	-1.0368e+004	8.4755e+003
	-1.4022e+003	-4.5853e+001	1.8027e+002	-8.5204e+004	1.2278e+004	2.7153e+003
268	1.3578e+003	3.3438e+002	1.2411e+000	-6.0163e+004	-4.4821e+003	-3.2336e+004
	1.3578e+003	3.3438e+002	1.2411e+000	-6.0163e+004	-4.3229e+003	1.0545e+004
	1.0006e+003	3.0187e+002	9.3486e+001	-5.4967e+004	-1.0710e+004	1.0081e+004
	1.0006e+003	3.0187e+002	9.3486e+001	-5.4967e+004	1.2789e+003	4.8794e+004
	4.0407e+002	2.6927e+002	1.6930e+002	-5.0373e+004	-1.3169e+004	4.9761e+004
	4.0407e+002	2.6927e+002	1.6930e+002	-5.0373e+004	8.6826e+003	8.4514e+004
	1.2760e+003	3.7064e+002	-1.8560e+002	-6.5471e+004	6.1589e+003	-7.4926e+004
	1.2760e+003	3.7064e+002	-1.8560e+002	-6.5471e+004	-1.6201e+004	-3.0273e+004
269	1.4345e+002	6.5852e+002	7.1571e+001	2.5636e+005	-5.9734e+003	-1.1196e+004
	1.4345e+002	6.5852e+002	7.1571e+001	2.5636e+005	3.7607e+003	7.8368e+004
	-1.7968e+002	7.4732e+002	-1.3250e+002	2.4095e+005	6.5169e+003	-1.8773e+005
	-1.7968e+002	7.4732e+002	-1.3250e+002	2.4095e+005	-6.7335e+003	-1.1299e+005
	9.5228e+001	2.1594e+003	-1.0310e+002	8.3349e+004	3.5009e+003	-1.7380e+005
	9.5228e+001	2.1594e+003	-1.0310e+002	8.3349e+004	-7.7388e+003	6.1603e+004
270	-7.8640e+001	-2.9576e+002	-1.4812e+001	1.6508e+003	1.2850e+003	2.7049e+004
	-7.8640e+001	-2.9576e+002	-1.4812e+001	1.6508e+003	-6.1451e+002	-1.0881e+004
	-1.3153e+002	-3.0869e+002	-1.9745e+001	1.5694e+003	-2.9722e+002	-9.7643e+003
	-1.3153e+002	-3.0869e+002	-1.9745e+001	1.5694e+003	-2.8294e+003	-4.9351e+004
	-3.2016e+002	-3.1180e+002	-2.1815e+000	2.1128e+003	1.9314e+003	-4.7831e+004
	-3.2016e+002	-3.1180e+002	-2.1815e+000	2.1128e+003	1.6574e+003	-8.7000e+004
	5.4845e+001	-2.8790e+002	-2.4173e+001	1.5661e+003	1.1390e+003	6.3886e+004
	5.4845e+001	-2.8790e+002	-2.4173e+001	1.5661e+003	-1.9412e+003	2.7203e+004
271	1.1389e+002	-2.5709e+002	-2.6899e+001	6.4753e+003	1.9262e+003	3.7178e+004
	1.1389e+002	-2.5709e+002	-2.6899e+001	6.4753e+003	-1.5234e+003	4.2076e+003
	-2.8290e+001	-2.6445e+002	-2.6048e+001	6.4676e+003	1.4269e+003	4.4104e+003
	-2.8290e+001	-2.6445e+002	-2.6048e+001	6.4676e+003	-1.9136e+003	-2.9503e+004
	-1.9749e+002	-2.7719e+002	-2.4079e+001	6.4917e+003	1.5279e+003	-2.8182e+004
	-1.9749e+002	-2.7719e+002	-2.4079e+001	6.4917e+003	-1.5799e+003	-6.3957e+004
	2.9461e+002	-2.5479e+002	-3.0111e+001	6.5135e+003	1.8273e+003	6.8697e+004
	2.9461e+002	-2.5479e+002	-3.0111e+001	6.5135e+003	-1.8004e+003	3.8000e+004
272	2.9666e+002	-4.6900e+002	-2.8464e+001	2.7447e+003	2.4821e+003	9.5912e+004
	2.9666e+002	-4.6900e+002	-2.8464e+001	2.7447e+003	-3.6429e+002	4.9012e+004
	2.2369e+002	-4.4619e+002	-2.4788e+001	2.7447e+003	1.0607e+003	5.0896e+004
	2.2369e+002	-4.4619e+002	-2.4788e+001	2.7447e+003	-1.6416e+003	2.2541e+003
	5.9409e+001	-4.4737e+002	-2.5542e+001	2.6377e+003	2.0525e+003	2.6702e+003
	5.9409e+001	-4.4737e+002	-2.5542e+001	2.6377e+003	-1.4215e+003	-5.8175e+004

Armatura longitudinale negli elementi

Elemento	Area (cm2)	Y (cm)	Z (cm)	Ascissa iniz. (cm)	Lunghezza (cm)
11	2.01	15.70	8.20	0.00	95.70
	2.01	-15.70	8.20	0.00	95.70
	2.01	-15.70	-8.20	0.00	95.70
	2.01	15.70	-8.20	0.00	95.70
17	2.01	15.70	8.20	0.00	95.70
	2.01	-15.70	8.20	0.00	95.70
	2.01	-15.70	-8.20	0.00	95.70
	2.01	15.70	-8.20	0.00	95.70
97	3.14	-17.99	2.57	0.11	129.89
	3.14	-17.99	-2.57	0.11	129.89
	3.14	13.41	-7.29	0.00	130.00
	3.14	13.41	7.70	0.00	130.00
	3.14	13.41	15.70	0.00	130.00
	2.01	-1.99	15.70	0.00	130.00
	3.14	-17.99	7.70	0.00	130.00

	3.14	-17.99	-7.70	0.00	130.00
	2.01	-1.99	-15.70	0.00	130.00
	3.14	13.41	-15.70	0.00	130.00
98	2.01	7.70	8.20	0.00	590.00
	2.01	-7.70	8.20	0.00	590.00
	2.01	-7.70	-0.37	0.00	590.00
	2.01	-7.70	-8.20	0.00	590.00
	2.01	7.70	-8.20	0.00	590.00
103	3.14	-17.99	-2.57	0.00	375.00
	3.14	-17.99	2.57	0.00	375.00
	2.01	13.41	11.47	274.60	100.40
	2.01	13.41	-12.09	274.60	100.40
	3.14	13.41	-0.00	274.60	100.40
	3.14	13.41	-7.29	0.00	375.00
	3.14	13.41	7.70	0.00	375.00
	3.14	13.41	15.70	0.00	375.00
	3.14	-1.99	15.70	0.00	375.00
	3.14	-17.99	7.70	0.00	375.00
	3.14	-17.99	-7.70	0.00	375.00
	3.14	-1.99	-15.70	0.00	375.00
	3.14	13.41	-15.70	0.00	375.00
109	3.14	15.70	-8.20	0.00	505.00
	3.14	-15.70	-8.20	0.00	505.00
	3.14	-15.70	8.20	0.00	505.00
	3.14	15.70	8.20	0.00	505.00
	2.01	-15.70	0.00	391.60	113.40
110	3.14	15.70	-8.20	0.00	375.00
	3.14	-15.70	-8.20	0.00	375.00
	3.14	-15.70	8.20	0.00	375.00
	3.14	15.70	8.20	0.00	375.00
111	3.14	-17.99	0.16	0.00	505.00
	3.14	4.61	15.70	0.00	88.15
	3.14	4.61	-15.70	0.00	88.15
	3.14	13.41	-7.70	0.00	505.00
	3.14	13.41	7.70	0.00	505.00
	3.14	13.41	15.70	0.00	505.00
	3.14	-1.99	15.70	0.00	505.00
	3.14	-17.99	7.70	0.00	505.00
	3.14	-17.99	-7.70	0.00	505.00
	3.14	-1.99	-15.70	0.00	505.00
	3.14	13.41	-15.70	0.00	505.00
112	3.14	15.70	-8.20	0.00	505.00
	3.14	-15.70	-8.20	0.00	505.00
	3.14	-15.70	8.20	0.00	505.00
	3.14	15.70	8.20	0.00	505.00
	3.14	15.70	4.10	301.10	203.90
	3.14	15.70	4.10	0.00	163.90
	3.14	15.70	0.00	301.10	203.90
	3.14	15.70	0.00	0.00	163.90
	3.14	15.70	-4.10	301.10	203.90
	3.14	15.70	-4.10	0.00	163.90
113	3.14	15.70	-8.20	0.00	505.00
	3.14	-15.70	-8.20	0.00	505.00
	3.14	-15.70	8.20	0.00	505.00
	3.14	15.70	8.20	0.00	505.00
	3.14	15.70	0.00	0.00	505.00
	3.14	15.70	4.10	301.10	203.90
	3.14	15.70	4.10	0.00	163.90
	3.14	15.70	-4.10	301.10	203.90
	3.14	15.70	-4.10	0.00	163.90
	3.14	-15.70	0.00	0.00	505.00
114	3.14	-15.70	0.00	0.00	210.40
	3.14	-15.70	0.00	310.10	279.90
	3.14	15.70	-4.10	0.00	210.40
	3.14	15.70	-4.10	310.10	279.90
	3.14	15.70	4.10	0.00	210.40
	3.14	15.70	4.10	310.10	279.90

	3.14	15.70	0.00	0.00	210.40
	3.14	15.70	0.00	310.10	279.90
	3.14	15.70	8.20	0.00	357.90
	3.14	15.70	8.20	232.10	357.90
	3.14	-15.70	8.20	0.00	590.00
	3.14	-15.70	-8.20	0.00	590.00
	3.14	15.70	-8.20	0.00	357.90
	3.14	15.70	-8.20	232.10	357.90
115	2.01	-15.70	0.00	0.00	180.90
	3.14	15.70	-4.10	0.00	180.90
	3.14	15.70	-4.10	339.60	250.40
	3.14	15.70	0.00	0.00	180.90
	3.14	15.70	0.00	339.60	250.40
	3.14	15.70	4.10	0.00	180.90
	3.14	15.70	4.10	339.60	250.40
	3.14	15.70	8.20	0.00	590.00
	3.14	-15.70	8.20	0.00	590.00
	3.14	-15.70	-8.20	0.00	590.00
	3.14	15.70	-8.20	0.00	590.00
116	3.14	15.70	8.20	0.00	357.90
	3.14	15.70	8.20	232.10	357.90
	3.14	-15.70	8.20	0.00	590.00
	3.14	-15.70	-8.20	0.00	590.00
	3.14	15.70	-8.20	0.00	357.90
	3.14	15.70	-8.20	232.10	357.90
117	2.01	15.70	0.00	0.00	92.40
	2.01	-15.70	0.00	0.00	92.40
	3.14	15.70	8.20	0.00	590.00
	3.14	-15.70	8.20	0.00	590.00
	3.14	-15.70	-8.20	0.00	590.00
	3.14	15.70	-8.20	0.00	590.00
118	2.01	-15.70	0.00	0.00	151.40
	3.14	15.70	0.00	0.00	151.40
	3.14	15.70	0.00	457.60	132.40
	3.14	15.70	8.20	0.00	590.00
	3.14	-15.70	8.20	0.00	590.00
	3.14	-15.70	-8.20	0.00	590.00
	3.14	15.70	-8.20	0.00	590.00
157	2.01	13.20	0.00	0.00	90.65
	2.01	13.20	0.00	429.35	125.65
	3.14	13.20	8.20	0.00	555.00
	3.14	-13.20	8.20	0.00	555.00
	3.14	-13.20	-8.20	0.00	555.00
	3.14	13.20	-8.20	0.00	555.00
158	2.01	13.20	0.00	436.60	118.40
	2.01	-13.20	0.00	436.60	118.40
	3.14	13.20	13.20	0.00	555.00
	3.14	-13.20	13.20	0.00	555.00
	3.14	-13.20	-13.20	0.00	555.00
	3.14	13.20	-13.20	0.00	555.00
176	2.01	-13.20	0.00	0.00	90.65
	2.01	13.20	0.00	0.00	90.65
	2.01	13.20	0.00	401.60	153.40
	3.14	13.20	8.20	0.00	340.40
	3.14	13.20	8.20	214.60	340.40
	3.14	-13.20	8.20	0.00	555.00
	3.14	-13.20	-8.20	0.00	555.00
	3.14	13.20	-8.20	0.00	340.40
	3.14	13.20	-8.20	214.60	340.40
177	3.14	13.20	13.20	0.00	340.40
	3.14	13.20	13.20	214.60	340.40
	3.14	-13.20	13.20	0.00	555.00
	3.14	-13.20	-13.20	0.00	555.00
	3.14	13.20	-13.20	0.00	340.40
	3.14	13.20	-13.20	214.60	340.40
195	2.01	-13.20	0.00	0.00	118.40

	2.01	13.20	0.00	0.00	118.40
	2.01	13.20	0.00	401.60	153.40
	3.14	13.20	8.20	0.00	340.40
	3.14	13.20	8.20	214.60	340.40
	3.14	-13.20	8.20	0.00	555.00
	3.14	-13.20	-8.20	0.00	555.00
	3.14	13.20	-8.20	0.00	340.40
	3.14	13.20	-8.20	214.60	340.40
196	3.14	13.20	13.20	0.00	340.40
	3.14	13.20	13.20	214.60	340.40
	3.14	-13.20	13.20	0.00	555.00
	3.14	-13.20	-13.20	0.00	555.00
	3.14	13.20	-13.20	0.00	340.40
	3.14	13.20	-13.20	214.60	340.40
216	2.01	-13.20	0.00	436.60	118.40
	2.01	13.20	0.00	0.00	118.40
	2.01	13.20	0.00	401.60	153.40
	3.14	13.20	8.20	0.00	340.40
	3.14	13.20	8.20	214.60	340.40
	3.14	-13.20	8.20	0.00	555.00
	3.14	-13.20	-8.20	0.00	555.00
	3.14	13.20	-8.20	0.00	340.40
	3.14	13.20	-8.20	214.60	340.40
217	3.14	-13.20	0.00	0.00	173.90
	3.14	13.20	0.00	0.00	173.90
	3.14	13.20	13.20	0.00	340.40
	3.14	13.20	13.20	214.60	340.40
	3.14	-13.20	13.20	0.00	555.00
	3.14	-13.20	-13.20	0.00	555.00
	3.14	13.20	-13.20	0.00	340.40
	3.14	13.20	-13.20	214.60	340.40
235	2.01	-13.20	6.60	0.00	210.40
	3.14	-13.20	0.00	0.00	210.40
	3.14	-13.20	0.00	344.60	245.40
	2.01	-13.20	-6.60	0.00	210.40
	2.01	13.20	-6.60	0.00	210.40
	2.01	13.20	-6.60	344.60	245.40
	3.14	13.20	0.00	379.60	210.40
	2.01	13.20	6.60	0.00	210.40
	2.01	13.20	6.60	344.60	245.40
	3.14	13.20	13.20	0.00	357.90
	3.14	13.20	13.20	232.10	357.90
	3.14	-13.20	13.20	0.00	590.00
	3.14	-13.20	-13.20	0.00	590.00
	3.14	13.20	-13.20	0.00	357.90
	3.14	13.20	-13.20	232.10	357.90
236	2.01	13.20	0.00	0.00	92.40
	2.01	13.20	0.00	462.60	127.40
	3.14	13.20	8.20	0.00	357.90
	3.14	13.20	8.20	232.10	357.90
	3.14	-13.20	8.20	0.00	590.00
	3.14	-13.20	-8.20	0.00	590.00
	3.14	13.20	-8.20	0.00	357.90
	3.14	13.20	-8.20	232.10	357.90
263	2.01	13.20	0.00	0.00	92.40
	2.01	13.20	0.00	462.60	127.40
	3.14	13.20	8.20	0.00	590.00
	3.14	-13.20	8.20	0.00	590.00
	3.14	-13.20	-8.20	0.00	590.00
	3.14	13.20	-8.20	0.00	590.00
265	2.01	-13.20	6.60	0.00	239.90
	3.14	-13.20	0.00	0.00	239.90
	3.14	-13.20	0.00	374.10	215.90
	2.01	-13.20	-6.60	0.00	239.90
	2.01	13.20	-6.60	0.00	239.90
	2.01	13.20	-6.60	374.10	215.90
	3.14	13.20	-0.00	0.00	239.90

267	2.01	13.20	6.60	0.00	239.90
	2.01	13.20	6.60	374.10	215.90
	3.14	-13.20	13.20	0.00	590.00
	3.14	-13.20	-13.20	0.00	590.00
	3.14	27.70	8.20	0.98	508.42
	1.13	9.20	8.20	0.33	509.07
	1.13	-9.20	8.20	0.00	509.40
	3.14	-27.70	8.20	0.00	509.40
	3.14	-27.70	-8.20	0.00	509.40
	1.13	-9.20	-8.20	0.00	509.40
	1.13	9.20	-8.20	0.33	509.07
	3.14	27.70	-8.20	0.98	508.42
268	2.01	-27.70	0.00	0.00	88.20
	2.01	27.70	0.00	0.74	87.46
	2.01	27.70	0.00	417.73	88.20
	3.14	27.70	8.20	0.74	315.13
	3.14	27.70	8.20	190.06	314.89
	1.13	9.20	8.20	0.25	315.62
	1.13	9.20	8.20	190.06	315.54
	1.13	-9.20	8.20	0.00	315.87
	1.13	-9.20	8.20	190.06	315.87
	3.14	-27.70	8.20	0.00	505.93
	3.14	-27.70	-8.20	0.00	505.93
	1.13	-9.20	-8.20	0.00	315.87
	1.13	-9.20	-8.20	190.06	315.87
	1.13	9.20	-8.20	0.25	315.62
	1.13	9.20	-8.20	190.06	315.54
	3.14	27.70	-8.20	0.74	315.13
	3.14	27.70	-8.20	190.06	314.89
269	3.14	27.70	8.20	0.00	344.27
	1.13	9.20	8.20	0.00	344.76
	1.13	-9.20	8.20	0.00	345.01
	3.14	-27.70	8.20	0.00	345.01
	3.14	-27.70	-8.20	0.00	345.01
	1.13	-9.20	-8.20	0.00	345.01
	1.13	9.20	-8.20	0.00	344.76
	3.14	27.70	-8.20	0.00	344.27
270	2.01	27.70	0.00	395.55	113.84
	3.14	-27.70	0.00	0.00	113.84
	3.14	-27.70	0.00	395.55	113.84
	3.14	27.70	8.20	0.98	508.42
	3.14	9.20	8.20	0.00	509.40
	3.14	-9.20	8.20	7.96	501.44
	3.14	-27.70	8.20	0.00	509.40
	3.14	-27.70	-8.20	0.00	509.40
	3.14	-9.20	-8.20	7.96	501.44
	3.14	9.20	-8.20	0.00	509.40
	3.14	27.70	-8.20	0.98	508.42
271	3.14	-27.70	0.00	0.00	138.79
	3.14	-27.70	0.00	392.44	113.50
	2.01	27.70	0.00	0.00	138.79
	2.01	27.70	0.00	328.44	177.50
	3.14	27.70	8.20	0.74	315.13
	3.14	27.70	8.20	190.06	314.89
	3.14	9.20	8.20	0.25	315.62
	3.14	9.20	8.20	190.06	315.54
	3.14	-9.20	8.20	0.00	315.87
	3.14	-9.20	8.20	190.06	315.87
	3.14	-27.70	8.20	0.00	505.93
	3.14	-27.70	-8.20	0.00	505.93
	3.14	-9.20	-8.20	0.00	315.87
	3.14	-9.20	-8.20	190.06	315.87
	3.14	9.20	-8.20	0.25	315.62
	3.14	9.20	-8.20	190.06	315.54
	3.14	27.70	-8.20	0.74	315.13
	3.14	27.70	-8.20	190.06	314.89
272	2.01	-27.70	0.00	0.00	97.40
	3.14	27.70	0.00	0.00	97.40
	3.14	27.70	8.20	0.00	344.27

3.14	9.20	8.20	0.00	344.76
3.14	-9.20	8.20	0.00	345.01
3.14	-27.70	8.20	0.00	345.01
3.14	-27.70	-8.20	0.00	345.01
3.14	-9.20	-8.20	0.00	345.01
3.14	9.20	-8.20	0.00	344.76
3.14	27.70	-8.20	0.00	344.27

Armatura trasversale negli elementi

Elemento	Ascissa iniz. (cm)	Lunghezza tratto (cm)	Area orizz. (cm2)	Area vert. (cm2)	Passo (cm)
11	30.00	70.00	1.57	1.57	19.00
17	30.00	70.00	1.57	1.57	19.00
97	10.35	81.92	3.14	2.36	15.00
	92.27	37.73	3.14	2.36	10.00
98	0.00	577.50	1.57	1.57	15.00
103	0.00	40.00	3.14	2.36	10.00
	40.00	275.00	3.14	2.36	15.00
	315.00	40.00	3.14	2.36	10.00
109	12.50	477.50	1.01	1.01	18.00
110	12.50	350.00	1.01	1.01	10.00
111	12.00	478.00	3.14	2.36	15.00
112	30.00	40.00	1.01	1.01	19.00
	70.00	365.00	1.01	1.01	24.00
	435.00	40.00	1.01	1.01	19.00
113	30.00	40.00	1.01	1.01	19.00
	70.00	365.00	1.01	1.01	23.00
	435.00	40.00	1.01	1.01	19.00
114	30.00	40.00	1.57	1.57	24.00
	70.00	450.00	1.57	1.57	28.00
	520.00	40.00	1.57	1.57	24.00
115	15.00	40.00	1.57	1.57	19.00
	55.00	465.00	1.57	1.57	28.00
	520.00	40.00	1.57	1.57	19.00
116	12.50	40.00	1.57	1.57	24.00
	52.50	485.00	1.57	1.57	28.00
	537.50	40.00	1.57	1.57	24.00
117	12.50	40.00	1.57	1.57	19.00
	52.50	485.00	1.57	1.57	28.00
	537.50	40.00	1.57	1.57	19.00
118	12.50	40.00	1.57	1.57	19.00
	52.50	485.00	1.57	1.57	26.00
	537.50	40.00	1.57	1.57	19.00
157	30.00	35.00	1.57	1.57	19.00
	65.00	440.00	1.57	1.57	24.00
	505.00	35.00	1.57	1.57	19.00
158	17.50	35.00	1.57	1.57	19.00
	52.50	452.50	1.57	1.57	24.00
	505.00	35.00	1.57	1.57	19.00
176	30.00	35.00	1.57	1.57	19.00
	65.00	425.00	1.57	1.57	24.00
	490.00	35.00	1.57	1.57	19.00
177	17.50	520.00	1.57	1.57	24.00
195	30.00	35.00	1.57	1.57	19.00
	65.00	425.00	1.57	1.57	24.00
	490.00	35.00	1.57	1.57	19.00
196	17.50	520.00	1.57	1.57	24.00
216	30.00	35.00	1.57	1.57	19.00
	65.00	425.00	1.57	1.57	24.00
	490.00	35.00	1.57	1.57	19.00
217	30.00	507.50	1.57	1.57	24.00
235	30.00	35.00	1.57	1.57	19.00
	65.00	460.00	1.57	1.57	24.00
	525.00	35.00	1.57	1.57	19.00
236	30.00	35.00	1.57	1.57	19.00
	65.00	460.00	1.57	1.57	24.00
	525.00	35.00	1.57	1.57	19.00
263	15.00	35.00	1.57	1.57	19.00
	50.00	475.00	1.57	1.57	24.00

	525.00	35.00	1.57	1.57	19.00
265	30.00	530.00	1.57	1.57	19.00
267	37.83	64.00	1.57	1.57	14.00
	101.83	313.31	1.57	1.57	27.00
	415.14	64.00	1.57	1.57	14.00
268	37.57	64.00	1.57	1.57	14.00
	101.57	302.79	1.57	1.57	33.00
	404.36	64.00	1.57	1.57	14.00
269	15.00	300.01	1.01	1.01	8.00
270	37.83	64.00	1.57	1.57	14.00
	101.83	313.31	1.57	1.57	28.00
	415.14	64.00	1.57	1.57	14.00
271	37.57	64.00	1.57	1.57	14.00
	101.57	302.79	1.57	1.57	33.00
	404.36	64.00	1.57	1.57	14.00
272	30.00	285.01	1.01	1.01	17.00

Verifica flessionale travi

Elem	Qta	Ascissa (cm)	Nx (N)	Mz (Nxm)	My (Nxm)	F.Sic.	Comb.
11		34.30	-29765.77	241697.55	-792848.12	3.32	45
		50.00	-29765.77	212901.20	-804884.85	3.27	45
		90.00	-32880.24	154511.19	-829402.20	3.17	65
17		34.30	-33303.72	275648.21	751056.48	3.46	66
		50.00	-35440.10	241576.54	753275.09	3.45	68
		90.00	-35440.10	41382.54	839915.11	3.11	68
97		24.30	0.00	12849363.10	-0.00	1.35	57
		65.00	-0.00	-7583724.21	0.00	2.32	36
		117.00	-0.00	-10226293.12	0.00	2.06	56
98		59.00	-0.00	-916373.25	0.00	4.11	69
		295.00	-0.00	-2545481.25	-0.00	1.49	69
		531.00	-0.00	-916373.25	-0.00	4.11	69
103		37.50	0.00	-12489403.84	0.00	1.68	71
		187.50	0.00	-11017897.76	0.00	1.69	71
		337.50	-0.00	12939776.91	-0.00	1.92	56
109		50.50	-54892.54	3582542.80	144261.70	1.89	57
		252.50	-54892.54	-2114552.17	-107293.30	3.23	57
		454.50	-54892.54	-6396071.54	-358848.31	1.44	57
110		37.50	-0.00	-4043412.15	0.00	1.89	56
		187.50	-0.00	-3364283.01	-0.00	2.29	71
		337.50	-0.00	2771504.10	0.00	2.78	56
111		50.50	-0.00	9574236.10	1611521.02	2.06	57
		252.50	0.00	-5620498.20	-2382196.63	2.50	71
		454.50	0.00	8174240.22	1509751.09	2.01	56
112		50.50	-0.00	-6560513.14	0.00	1.17	40
		252.50	-0.00	-5883062.05	-0.00	1.30	71
		454.50	0.00	-7105615.35	0.00	1.08	33
113		50.50	-0.00	-10491559.03	-0.00	1.08	38
		252.50	-0.00	-5195959.78	-0.00	2.17	71
		454.50	-0.00	14211704.33	-0.00	1.31	58
114		59.00	94617.74	-9062886.21	-53319.97	1.41	48
		295.00	-71095.97	-2154903.43	-8852.36	3.03	43
		531.00	-51956.34	-8885885.27	-158531.61	1.19	41
115		59.00	-0.00	-8577578.27	0.00	1.17	68
		295.00	0.00	-2646616.41	-0.00	2.89	69
		531.00	0.00	-6094327.36	0.00	1.25	41
116		59.00	-0.00	3793253.45	-0.00	2.03	45
		295.00	-0.00	-1105804.24	-0.00	6.96	65
		531.00	0.00	4778236.31	-0.00	1.60	64
117		59.00	0.00	-6753927.10	0.00	1.49	44
		295.00	0.00	-1810489.21	-0.00	4.26	68
		531.00	0.00	4581233.65	-0.00	1.68	44
118		59.00	-0.00	-6792168.33	0.00	1.48	42

	295.00	-0.00	-2332075.97	-0.00	3.30	48
	531.00	0.00	-5380768.58	0.00	1.43	67
157	55.50	7622.40	-5216823.22	330535.04	1.27	46
	277.50	7622.40	-586184.29	19257.96	> 10.00	46
	499.50	13433.25	-5019976.47	315135.38	1.34	43
158	55.50	11205.19	3722458.04	29007.54	1.83	45
	277.50	11688.74	-2228128.64	23074.94	3.03	41
	499.50	11205.19	-6687895.68	16797.68	1.31	45
176	55.50	12914.46	5843948.64	-315474.76	1.48	43
	277.50	12914.46	-324472.79	-3261.25	> 10.00	43
	499.50	12914.46	-5414806.72	308952.27	1.23	43
177	55.50	67022.03	2463459.16	20216.12	3.06	47
	277.50	-18445.79	-511616.93	24573.82	> 10.00	42
	499.50	-18445.79	2394731.59	26978.68	2.65	42
195	55.50	30322.53	5972588.69	-347226.54	1.49	41
	277.50	55410.73	-401535.14	-8305.07	> 10.00	72
	499.50	30322.53	-5490434.41	338410.93	1.25	41
196	55.50	32280.02	1580100.63	11214.22	4.46	45
	277.50	34094.42	-740447.57	17815.11	9.52	41
	499.50	-38352.91	2606682.11	-18313.43	2.35	42
216	55.50	14169.61	-5510068.08	345214.29	1.22	44
	277.50	-46836.49	-284728.95	-2170.23	> 10.00	34
	499.50	14169.61	6100489.51	-365308.15	1.41	44
217	55.50	-49922.04	-7156415.02	13545.49	1.27	42
	277.50	-49922.04	-2464598.09	10216.08	2.41	42
	499.50	-49922.04	3736541.33	6886.66	1.59	42
235	59.00	-19967.76	-8668791.46	4192.68	1.55	42
	295.00	34077.59	-551948.48	19864.00	> 10.00	45
	531.00	72213.12	-8441974.17	26660.81	1.27	47
236	59.00	22618.39	-5283348.24	334610.41	1.29	44
	295.00	22618.39	-413400.05	-956.09	> 10.00	44
	531.00	22355.33	-4915874.77	305353.91	1.39	45
263	59.00	18832.28	-5041656.05	326720.47	1.34	44
	295.00	25509.92	-393764.28	-8826.72	> 10.00	72
	531.00	-111.84	-4665707.01	306163.89	1.39	41
265	59.00	-4020.40	-9908944.07	-11038.71	1.37	42
	295.00	-3620.33	-1208448.83	13538.48	5.45	46
	531.00	27410.48	-8176369.70	17424.94	1.24	47
267	50.94	52199.86	10412372.71	51344.74	1.84	33
	254.70	70915.84	-2047905.63	374428.80	8.61	55
	458.46	23925.87	13398071.04	112958.74	1.37	56
268	50.59	53735.04	14333854.85	46980.45	1.63	33
	252.97	148101.06	-2596465.84	163268.29	8.09	69
	455.34	11564.96	-12688963.65	62131.60	1.44	35
269	34.50	-9125.65	-9364437.13	106411.87	1.89	38
	172.50	6164.55	-3240043.24	18088.08	5.55	59
	310.51	42467.42	14430751.19	-90319.89	1.32	38
270	50.94	55808.22	12485311.20	-11238.50	2.15	39
	254.70	43243.14	-3647182.65	-347233.37	6.46	59
	458.46	28081.85	20598056.68	-178387.21	1.44	54
271	50.59	-29011.45	-15890482.90	-76467.24	1.89	34
	252.97	153407.54	-2240606.46	-245336.91	> 10.00	69
	455.34	53785.00	14203096.93	-30003.30	2.11	56
272	34.50	59531.37	23498250.11	8409.35	1.32	57
	172.50	-23011.22	-5589477.28	48271.19	4.30	56
	310.51	38504.49	-11807207.18	-50354.25	2.11	37

Minimo fattore di sicurezza: 1.077759 >= 1.00

Per ogni elemento **Elem** a quota (opzionale) di riferimento **Qta** viene calcolato, all'ascissa **Ascissa**, il momento ultimo **Mr** nella direzione di sollecitazione risultante e viene esposto il fattore di sicurezza **F.Sic.**, cioè **Mr/Me**, relativo alla combinazione **COMB** che

ha generato il minore fattore di sicurezza. Vengono esposte le sollecitazioni Md nelle componenti assiale Nx e flessionale Mz e My di tale combinazione (vedi Combinazioni Progetto). Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura >10.0 per evitare la stampa di numeri inutilmente grandi. Nel caso delle travi di fondazione, il limite ultimo è in regime elastico.

Verifica taglio travi									
Elem	Qta	Ascissa (cm)	Nx (N)	Ty (N)	Tz (N)	Vr (N)	Theta	F. Sic.	Comb.
11		34.30	-20636.30	-9871.22	-733.98	213790.44	2.14	> 10.00	69
		50.00	-20636.30	-8402.57	-733.98	214013.74	2.36	> 10.00	69
		90.00	5171.84	-5051.38	-409.40	214387.50	2.50	> 10.00	40
17		34.30	-20165.19	-8850.01	238.32	213279.16	2.14	> 10.00	69
		50.00	-20165.19	-7398.08	238.32	213312.47	2.15	> 10.00	69
		90.00	-20165.19	-3698.88	238.32	213643.95	2.50	> 10.00	69
97		24.30	-0.00	-220374.01	0.00	232856.94	1.84	1.17	71
		65.00	-0.00	-178352.66	0.00	276706.47	1.10	1.60	71
		117.00	-0.00	-130411.44	-0.00	277867.66	1.00	2.33	71
98		59.00	-0.00	-13806.00	0.00	128493.73	1.84	9.31	69
		295.00	-0.00	-0.00	0.00	158686.00	1.80	> 10.00	6
		531.00	-0.00	13806.00	0.00	128493.73	1.84	9.31	69
103		37.50	0.00	-66130.71	0.00	277867.66	1.00	4.59	57
		187.50	0.00	83375.29	0.00	276706.45	1.10	3.50	71
		337.50	0.00	230505.79	0.00	263397.34	1.39	1.30	71
109		50.50	-54892.54	-31895.88	-1244.37	168455.19	2.50	5.28	57
		252.50	-54892.54	-24605.27	-1245.80	168542.76	2.50	6.84	57
		454.50	63757.06	21921.14	1311.01	168627.90	2.50	7.68	56
110		37.50	-0.00	-39701.89	0.00	229486.90	1.89	5.78	71
		187.50	-0.00	22738.76	-0.00	229486.90	1.89	> 10.00	56
		337.50	-0.00	60853.61	0.00	229486.90	1.89	3.77	71
111		50.50	0.00	-133201.42	-47428.22	310748.90	1.57	2.20	71
		252.50	-0.00	-38198.28	1066.26	387431.29	1.94	> 10.00	57
		454.50	0.00	76964.26	39918.78	355576.31	1.94	4.10	71
112		50.50	0.00	-111031.66	0.00	159467.82	2.50	1.44	53
		252.50	0.00	-47577.55	0.00	126245.36	2.50	2.65	33
		454.50	-0.00	108709.40	-0.00	159467.82	2.50	1.47	60
113		50.50	0.00	-112960.79	0.00	159467.82	2.50	1.41	55
		252.50	-0.00	61335.14	-0.00	131734.28	2.50	2.15	58
		454.50	-0.00	114519.35	-0.00	159467.82	2.50	1.39	58
114		59.00	-51956.34	-72678.20	-461.14	193971.92	2.49	2.67	41
		295.00	94741.83	46614.55	416.12	169085.24	2.50	3.63	68
		531.00	94741.83	76114.52	415.96	197261.20	2.49	2.59	68
115		59.00	0.00	-60359.09	-0.00	169078.51	2.50	2.80	41
		295.00	-0.00	43623.58	-0.00	169078.51	2.50	3.88	68
		531.00	-0.00	73123.47	0.00	213201.87	2.14	2.92	68
116		59.00	-0.00	-23556.30	0.00	169078.51	2.50	7.18	45
		295.00	-0.00	-17657.66	0.00	169078.51	2.50	9.58	45
		531.00	0.00	22956.95	-0.00	169078.51	2.50	7.37	64
117		59.00	-0.00	-25959.24	-0.00	169078.51	2.50	6.51	65
		295.00	0.00	24025.60	-0.00	169078.51	2.50	7.04	44
		531.00	0.00	29894.32	0.00	169078.51	2.50	5.66	44
118		59.00	0.00	-40069.24	-0.00	182084.55	2.50	4.54	67
		295.00	0.00	-27215.50	0.00	182084.55	2.50	6.69	67
		531.00	-0.00	39694.74	0.00	182084.55	2.50	4.59	42
157		55.50	13433.25	-29311.83	1504.44	184819.82	2.17	6.30	43
		277.50	13433.25	-24456.71	1504.54	168193.97	2.49	6.86	43
		499.50	7622.40	28142.35	-1402.08	167620.09	2.49	5.95	46
158		55.50	11205.19	-30244.10	-36.90	169631.18	2.50	5.61	45
		277.50	11205.19	-23447.44	-22.80	169631.13	2.50	7.23	45
		499.50	19631.61	27618.63	-184.49	169634.84	2.50	6.14	64
176		55.50	12914.46	-30213.30	1406.38	184729.12	2.20	6.11	43
		277.50	29060.51	26742.76	-1507.09	169386.91	2.50	6.32	46
		499.50	29060.51	31598.26	-1507.11	186214.92	2.20	5.89	46

177	55.50	67022.03	-15115.72	17.46	169631.16	2.50	> 10.00	47
	277.50	4979.28	9813.53	25.13	169631.61	2.50	> 10.00	62
	499.50	4979.28	16456.89	24.47	169631.24	2.50	> 10.00	62
195	55.50	30322.53	-30673.73	1543.88	186353.81	2.20	6.07	41
	277.50	12402.21	26951.82	-1615.40	168095.46	2.50	6.23	48
	499.50	12402.21	31807.86	-1614.88	184719.96	2.20	5.80	48
196	55.50	83079.89	-14628.24	27.81	169631.36	2.50	> 10.00	47
	277.50	-17035.93	8434.60	-20.38	169631.55	2.50	> 10.00	62
	499.50	-17035.93	15233.06	-10.40	169631.09	2.50	> 10.00	62
216	55.50	26104.90	-31095.54	1584.03	185975.33	2.20	5.97	45
	277.50	14169.61	26154.85	-1600.64	168249.52	2.50	6.42	44
	499.50	14169.61	30996.27	-1599.55	184890.02	2.20	5.96	44
217	55.50	115800.36	-29836.28	18.56	169631.08	2.50	5.69	67
	277.50	-49922.04	24533.69	-18.41	169631.10	2.50	6.91	42
	499.50	-49922.04	31332.42	-8.17	169631.06	2.50	5.41	42
235	59.00	72213.12	-44242.60	-32.86	214270.86	2.50	4.84	47
	295.00	3362.15	39046.48	25.28	169631.09	2.50	4.34	62
	531.00	3362.15	46273.71	-1.71	214270.80	2.50	4.63	62
236	59.00	22355.33	-27886.07	1406.86	185628.49	2.20	6.65	45
	295.00	42915.64	23364.61	-1421.15	169944.55	2.50	7.26	64
	531.00	22618.39	28378.62	-1421.86	185649.29	2.20	6.53	44
263	59.00	1118.81	-26006.82	1273.41	167091.36	2.49	6.42	45
	295.00	18832.28	22927.95	-1443.03	168639.74	2.49	7.34	44
	531.00	18832.28	28089.48	-1442.97	185315.02	2.17	6.59	44
265	59.00	37824.00	-46359.94	113.21	214271.44	2.50	4.62	67
	295.00	-4020.40	40575.29	94.57	214271.38	2.50	5.28	42
	531.00	-4020.40	47801.64	90.08	214271.18	2.50	4.48	42
267	50.94	72458.37	-70525.57	4505.69	408172.72	1.87	5.78	53
	254.70	70915.84	-47123.70	5063.68	229443.32	2.50	4.84	55
	458.46	23925.87	71873.83	948.15	401681.06	1.94	5.59	56
268	50.59	74221.11	-90998.96	5382.56	408259.98	1.80	4.48	53
	252.97	18650.10	67691.35	-3014.29	240142.36	2.50	3.54	58
	455.34	68031.65	85304.91	-2661.21	407023.93	1.80	4.77	58
269	34.50	11097.24	-88114.86	-240.39	415257.20	1.74	4.71	55
	172.50	5974.10	-103040.53	782.65	414611.10	1.71	4.02	55
	310.51	56220.12	96732.39	-4660.71	421482.17	1.68	4.35	58
270	50.94	77611.03	-83104.01	-5216.62	408745.28	2.07	4.91	59
	254.70	12406.98	82171.15	1885.37	282819.15	2.50	3.44	34
	458.46	28081.85	95605.54	-1679.39	402199.09	1.88	4.21	54
271	50.59	96426.83	-80784.61	-3377.14	410484.42	2.50	5.08	59
	252.97	54419.39	73354.87	4470.35	240349.69	2.50	3.27	54
	455.34	53785.00	88375.21	4236.03	405625.26	1.80	4.58	56
272	34.50	59531.37	-137228.09	39.32	298046.39	2.50	2.17	57
	172.50	57142.01	-130811.87	-618.08	298049.70	2.50	2.28	57
	310.51	38504.49	-124999.04	-2330.10	298098.15	2.50	2.38	37
Minimo fattore di sicurezza:		1.171738	>= 1.00					

Per ogni elemento **Elem** a quota (opzionale) di riferimento **Qta** viene calcolato, all'ascissa **Ascissa**, il taglio ultimo **Vr** nella direzione di sollecitazione risultante e viene esposto il fattore di sicurezza **F.Sic.**, cioè Tr/Td , relativo alla combinazione **Comb** che ha generato il minore fattore di sicurezza. Vengono espresse le sollecitazioni di calcolo nelle componenti **Nx**, **Ty** e **Tz** di tale combinazione (vedi Combinazioni Progetto). Il campo **Theta** riporta il valore di $ctg(\theta)$ usato nella verifica. Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura **>10.0** per evitare la stampa di numeri inutilmente grandi.

Verifica a torsione									
Elem	P/T	Qta	Ascissa (cm)	Comb.	Td (Nxcm)	Tr (Nxcm)	Vd (N)	Vr (N)	Fs
11	T		34.30	71	240141.12	3063884.77	8288.41	213699.48	> 10.00
			50.00	71	240141.12	3063884.77	7217.09	213858.90	> 10.00
			90.00	71	240141.12	3063884.77	4493.81	268899.99	> 10.00
17	T		34.30	69	-213526.79	3063884.77	8853.22	213279.16	> 10.00
			50.00	69	-213526.79	3063884.77	7401.91	213312.47	> 10.00
			90.00	69	-213526.79	3063884.77	3706.55	213643.95	> 10.00

97	T	24.30	71	286031.90	3016176.27	220374.01	232856.94	1.05
		65.00	57	762893.71	3016176.27	135268.90	232856.94	1.29
		117.00	57	762893.71	3411819.38	106607.23	262391.23	1.59
98	T	59.00	71	288305.09	1259291.32	13806.00	128493.73	2.97
		295.00	71	288305.09	1471435.59	0.00	180311.50	5.10
		531.00	71	288305.09	1259291.32	13806.00	128493.73	2.97
103	T	37.50	57	762893.71	3545411.57	66130.71	277867.66	2.31
		187.50	67	681784.56	3358039.44	49352.35	276706.45	2.69
		337.50	71	286031.90	3411827.30	230505.79	263397.34	1.17
109	T	50.50	59	509379.70	2031848.94	29793.43	168398.28	2.34
		252.50	59	509379.70	2031848.94	22488.08	168451.94	2.60
		454.50	66	938399.47	2714480.88	609.21	172890.49	2.89
110	T	37.50	65	1329216.59	2530516.08	34180.70	229486.90	1.48
		187.50	44	-1489349.43	3036668.26	16830.58	229486.90	2.04
		337.50	64	-1489099.57	2530516.08	46475.61	229486.90	1.26
111	T	50.50	66	2090628.86	3297709.19	77628.60	320056.14	1.14
		252.50	66	2090628.86	3418136.87	11579.78	440574.92	1.63
		454.50	63	-1806527.38	2764241.60	48458.48	288890.73	1.22
112	T	50.50	53	114232.42	2113104.14	111031.66	159467.82	1.33
		252.50	53	114232.42	2031848.94	47422.07	126245.36	2.32
		454.50	60	62592.73	2113104.14	108709.40	159467.82	1.41
113	T	50.50	55	-164094.52	2113104.14	112960.79	159467.82	1.27
		252.50	58	86586.19	2113104.14	61335.14	131734.28	1.97
		454.50	58	86586.19	2113104.14	114519.35	159467.82	1.32
114	T	59.00	45	88074.85	2138854.91	71950.08	193976.05	2.43
		295.00	64	-201277.97	2031848.94	45887.51	169093.45	2.70
		531.00	64	-201277.97	2113104.14	75385.89	197264.71	2.09
115	T	59.00	67	284441.61	2113104.14	55165.56	169078.51	2.17
		295.00	42	-179981.58	2031848.94	38429.85	169078.51	3.17
		531.00	60	338811.23	2350943.70	53708.54	213201.87	2.53
116	T	59.00	65	-139883.21	2031848.94	23283.92	169078.51	4.84
		295.00	65	-139883.21	2031848.94	17385.28	169078.51	5.83
		531.00	62	-242118.09	2031848.94	20763.20	169078.51	4.13
117	T	59.00	67	685030.72	2113104.14	24286.56	169078.51	2.14
		295.00	67	685030.72	2031848.94	18366.62	169078.51	2.24
		531.00	40	926464.74	2031848.94	16949.23	169078.51	1.80
118	T	59.00	55	-1111750.97	2638599.21	831.46	182084.55	2.37
		295.00	62	-868183.29	2031848.94	26527.37	182084.55	1.75
		531.00	55	-1111750.97	2113104.14	25128.54	182084.55	1.51
157	T	55.50	67	369967.37	1962339.13	29089.53	185664.21	2.90
		277.50	67	369967.37	1784444.88	24242.35	168934.48	2.85
		499.50	67	369967.37	1784444.88	19396.88	169121.58	3.11
158	T	55.50	53	-798449.54	2489543.67	21978.75	169631.42	2.22
		277.50	61	-575499.11	2489543.67	23259.20	169632.30	2.72
		499.50	62	-473246.93	2909811.53	22772.65	169631.80	3.37
176	T	55.50	47	68985.71	1967896.20	30033.43	184802.43	5.06
		277.50	47	68985.71	1789833.17	25184.21	168157.83	5.31
		499.50	62	-50987.85	1946529.19	31377.64	187945.07	5.18
177	T	55.50	55	-511203.03	4037499.53	2053.41	169789.60	7.90
		277.50	55	-511203.03	4037499.53	5261.62	169649.34	7.90
		499.50	55	-511203.03	4037499.53	11546.34	169636.06	7.90
195	T	55.50	45	49843.85	1956499.15	30499.30	186501.06	5.29
		277.50	64	-136470.21	1780797.52	26698.32	169389.01	4.27
		499.50	64	-136470.21	1958574.53	31546.88	186202.81	4.18
196	T	55.50	58	502138.51	4037499.53	10045.90	169631.06	8.04
		277.50	58	502138.51	4037499.53	3248.36	169645.60	8.04
		499.50	58	502138.51	4037499.53	3551.60	169631.14	8.04
216	T	55.50	64	-581248.13	1956655.52	21290.98	186769.21	2.43
		277.50	64	-581248.13	1778939.16	26150.92	169643.85	2.08
		499.50		-581248.13	1956655.52	30984.63	186490.16	2.16

64								
217	T	55.50	67	540493.27	2909811.53	29836.29	169631.08	2.77
		277.50	67	540493.27	2489543.67	23037.58	169631.18	2.83
		499.50	68	445235.93	2489543.67	28710.77	169631.15	2.87
235	T	59.00	43	-124385.01	2909811.53	43968.21	214270.84	4.03
		295.00	66	230860.03	2489543.67	38772.08	169631.07	3.11
		531.00	66	230860.03	2909811.53	45999.31	214270.81	3.40
236	T	59.00	45	-263691.10	1962466.63	27921.54	185628.49	3.51
		295.00	64	354839.76	1776622.59	23407.79	169944.55	2.96
		531.00	64	354839.76	1949715.82	28561.72	187491.44	2.99
263	T	59.00	47	-449934.29	1798272.92	23654.67	167000.24	2.55
		295.00	62	440323.58	1776622.59	20656.64	169996.65	2.71
		531.00	62	440323.58	1953311.29	25810.87	186988.94	2.75
265	T	59.00	58	-2002823.40	2909811.53	24808.81	214283.66	1.24
		295.00	67	-993882.89	2489543.67	39133.75	214271.63	1.72
		531.00	35	1947796.90	2909811.53	26249.11	214271.53	1.26
267	T	50.94	53	1424822.53	4259469.71	70669.35	408172.72	1.97
		254.70	60	-1279505.76	3154930.44	56492.05	293229.27	1.67
		458.46	54	1141939.76	4301251.15	66822.30	400008.94	2.31
268	T	50.59	59	-886870.42	4234586.83	76763.23	412417.56	2.53
		252.97	57	-844012.89	3154930.44	55712.68	240453.77	2.00
		455.34	36	552117.37	4255376.90	67996.46	408448.25	3.38
269	T	34.50	56	-2721423.13	4448192.66	68173.12	402650.56	1.28
		172.50	69	3652145.00	4332862.35	46698.97	376240.30	1.03
		310.51	56	-3213553.83	4419935.18	82325.47	424933.96	1.09
270	T	50.94	66	-1418071.25	4290358.20	40705.17	401915.97	2.32
		254.70	66	-1319366.07	3460651.64	33255.82	282786.10	2.00
		458.46	63	1127435.50	4233631.31	48786.82	355613.87	2.48
271	T	50.59	55	-284064.08	4244466.33	80343.51	410407.89	3.81
		252.97	58	241979.60	3460651.64	72959.87	240345.72	2.68
		455.34	60	162715.57	4271793.58	87920.63	405574.16	3.92
272	T	34.50	57	-600039.85	3460651.64	137228.09	298046.39	1.58
		172.50	57	-600034.63	3460651.64	130813.33	298049.70	1.63
		310.51	56	803074.53	3460651.64	118403.72	298320.46	1.59

Minimo fattore di sicurezza: 1.034111 >= 1.00

Per ogni elemento **Elem** di tipo **P**(ilastro) o **T**(rave) a quota (opzionale) di riferimento **Qta** viene calcolato, all'ascissa **Ascissa**, per ogni combinazione di carico il fattore di sicurezza combinato taglio-torsione **Fs** e vengono esposti dati e risultati relativi alla combinazione **Comb**, per la quale si è ottenuto il fattore di sicurezza minimo. Vengono esposti i momenti torcenti agenti **Td** e resistenti **Tr** ed i valori di taglio combinato agente **Vd** e resistente **Vr**. Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura **>10.0** per evitare la stampa di numeri inutilmente grandi. In caso sia segnalato **Verifica non effettuata** (che non indica una verifica non soddisfatta ma una impossibilità ad effettuarla) il valore finale non tiene conto di tale verifica.

Verifica stato limite di esercizio - fessurazione									
Elemento	Ascissa (cm)	Ampiezza Fess. (mm)	Dist.fessure (mm)	Momenti agenti		Momenti prima fessurazione		Comb.	Tipo
				Mz (Nxcmm)	My (Nxcmm)	Mz (Nxcmm)	My (Nxcmm)		
11	34.30	0.02	174.96	214634.58	43878.23	2315958.11	1367851.73	1	qprm
	34.30	0.02	174.96	226631.77	46278.67	2315958.11	1367851.73	4	freq
	50.00	0.01	174.96	141748.20	37957.60	2315958.11	1367851.73	1	qprm
	50.00	0.02	174.96	148619.74	39895.97	2315958.11	1367851.73	4	freq
	90.00	0.01	174.96	-6073.60	22873.21	2315958.11	1367851.73	1	qprm
	90.00	0.01	174.96	-6290.00	23634.31	2315958.11	1367851.73	4	freq
17	34.30	0.02	174.96	212847.74	-13887.74	2315958.11	1367851.73	1	qprm
	34.30	0.02	174.96	224243.41	-13991.08	2315958.11	1367851.73	4	freq
	50.00	0.01	174.96	148225.59	-7896.12	2315958.11	1367851.73	1	qprm
	50.00	0.01	174.96	154904.40	-8450.13	2315958.11	1367851.73	4	freq
	90.00	0.01	174.96	22684.56	7369.14	2315958.11	1367851.73	1	qprm
	90.00	0.01	174.96	23005.03	5666.94	2315958.11	1367851.73	4	freq
97	24.30	0.13	161.54	4384769.21	-0.00	2922798.16	2807841.81	1	qprm
	24.30	0.14	161.54	4706149.76	-0.00	2922798.16	2807841.81	5	freq
	65.00	0.01	109.65	-469489.35	-0.00	3451896.64	2816739.53	2	qprm
	65.00	0.01	109.65	-469489.35	-0.00	3451896.64	2816739.53	6	freq

98	117.00	0.10	109.65	-4813881.30	-0.00	3451896.64	2816739.53	1	qprm
	117.00	0.10	109.65	-5054158.21	-0.00	3451896.64	2816739.53	5	freq
	59.00	0.08	136.97	-704902.50	0.00	869236.66	893464.31	1	qprm
	59.00	0.08	136.97	-704902.50	0.00	869236.66	893464.31	3	freq
	295.00	0.22	136.97	-1958062.50	-0.00	869236.66	893464.31	1	qprm
	295.00	0.22	136.97	-1958062.50	-0.00	869236.66	893464.31	3	freq
	531.00	0.08	136.97	-704902.50	-0.00	869236.66	893464.31	1	qprm
	531.00	0.08	136.97	-704902.50	-0.00	869236.66	893464.31	4	freq
	37.50	0.15	109.65	-7188915.25	0.00	3457080.18	2935481.63	1	qprm
	37.50	0.16	109.65	-7599162.15	0.00	3457080.18	2935481.63	5	freq
	187.50	0.13	109.65	-6156264.74	0.00	3457080.18	2935481.63	1	qprm
	187.50	0.14	109.65	-6549501.61	0.00	3457080.18	2935481.63	5	freq
	337.50	0.10	117.00	6900385.77	0.00	2998217.43	3047181.43	1	qprm
	337.50	0.11	117.00	7353846.42	0.00	2998217.43	3047181.43	5	freq
103	50.50	0.06	165.79	1490011.42	-9080.51	2553511.91	1471535.40	1	qprm
	50.50	0.06	165.79	1530944.04	-8738.42	2553511.91	1471535.40	4	freq
	252.50	0.00	165.79	-182716.58	-2349.14	2553511.91	1471535.40	1	qprm
	252.50	0.00	165.79	-232881.86	-2357.29	2553511.91	1471535.40	5	freq
	454.50	0.03	136.97	-728779.23	4208.04	2605854.00	1471535.40	2	qprm
	454.50	0.03	136.97	-728779.23	4208.04	2605854.00	1471535.40	6	freq
109	50.50	0.06	165.79	1490011.42	-9080.51	2553511.91	1471535.40	1	qprm
	50.50	0.06	165.79	1530944.04	-8738.42	2553511.91	1471535.40	4	freq
	252.50	0.00	165.79	-182716.58	-2349.14	2553511.91	1471535.40	1	qprm
	252.50	0.00	165.79	-232881.86	-2357.29	2553511.91	1471535.40	5	freq
	454.50	0.03	136.97	-728779.23	4208.04	2605854.00	1471535.40	2	qprm
	454.50	0.03	136.97	-728779.23	4208.04	2605854.00	1471535.40	6	freq
110	37.50	0.02	165.79	-731583.03	-0.00	2553511.91	1471535.40	1	qprm
	37.50	0.02	165.79	-766157.42	-0.00	2553511.91	1471535.40	5	freq
	187.50	0.11	165.79	-1967214.82	-0.00	2553511.91	1471535.40	1	qprm
	187.50	0.12	165.79	-2079677.12	-0.00	2553511.91	1471535.40	5	freq
	337.50	0.03	165.79	1112653.40	0.00	2553511.91	1471535.40	1	qprm
	337.50	0.03	165.79	1171209.43	0.00	2553511.91	1471535.40	5	freq
111	50.50	0.09	161.54	4453986.58	1611521.02	2931332.52	2932371.19	1	qprm
	50.50	0.10	161.54	4729745.53	1611521.02	2931332.52	2932371.19	5	freq
	252.50	0.07	122.48	-2347446.00	-1832458.95	3195510.12	2931786.56	1	qprm
	252.50	0.08	122.95	-2672917.25	-1832458.95	3195510.12	2931786.56	5	freq
	454.50	0.04	121.43	-556791.30	1509751.09	2931332.52	2932371.19	2	qprm
	454.50	0.04	121.43	-556791.30	1509751.09	2931332.52	2932371.19	6	freq
112	50.50	0.06	105.36	3123981.78	-0.00	2765061.62	1507536.66	1	qprm
	50.50	0.06	105.36	3262814.74	-0.00	2765061.62	1507536.66	5	freq
	252.50	0.23	165.79	-3535156.90	-0.00	2553511.91	1471535.40	1	qprm
	252.50	0.24	165.79	-3701069.95	-0.00	2553511.91	1471535.40	5	freq
	454.50	0.05	105.36	2654884.01	-0.00	2765061.62	1507536.66	1	qprm
	454.50	0.05	105.36	2786083.97	-0.00	2765061.62	1507536.66	5	freq
113	50.50	0.03	105.36	1964081.77	0.00	3028103.59	1507536.66	1	qprm
	50.50	0.04	105.36	2061011.37	0.00	3028103.59	1507536.66	5	freq
	252.50	0.11	130.17	-3167284.59	-0.00	2883447.59	1471535.40	1	qprm
	252.50	0.12	130.17	-3306172.31	-0.00	2883447.59	1471535.40	5	freq
	454.50	0.05	105.36	2941598.64	-0.00	3028103.59	1507536.66	1	qprm
	454.50	0.05	105.36	3057021.35	-0.00	3028103.59	1507536.66	5	freq
114	59.00	0.02	105.36	1298246.36	3399.18	3028103.59	1507536.66	2	qprm
	59.00	0.02	105.36	1298246.36	3399.18	3028103.59	1507536.66	6	freq
	295.00	0.09	165.79	-1891797.90	-1968.87	2553511.91	1471535.40	2	qprm
	295.00	0.09	165.79	-1891797.90	-1968.87	2553511.91	1471535.40	6	freq
	531.00	0.03	105.36	2023884.18	-8416.31	3028103.59	1507536.66	1	qprm
	531.00	0.03	105.36	2047838.57	-8596.21	3028103.59	1507536.66	5	freq
115	59.00	0.00	136.97	-69205.79	-0.00	2933832.68	1507536.66	1	qprm
	59.00	0.00	136.97	-75348.59	-0.00	2933832.68	1507536.66	5	freq
	295.00	0.11	165.79	-2029736.78	-0.00	2553511.91	1471535.40	1	qprm
	295.00	0.11	165.79	-2030461.58	-0.00	2553511.91	1471535.40	4	freq
	531.00	0.05	105.36	2971732.23	0.00	2765061.62	1507536.66	1	qprm
	531.00	0.05	105.36	2977026.58	0.00	2765061.62	1507536.66	5	freq
116	59.00	0.01	165.79	478339.36	-0.00	2553511.91	1471535.40	2	qprm
	59.00	0.01	165.79	478339.36	-0.00	2553511.91	1471535.40	6	freq
	295.00	0.01	165.79	-524711.27	-0.00	2553511.91	1471535.40	1	qprm
	295.00	0.01	165.79	-539657.93	-0.00	2553511.91	1471535.40	5	freq
	531.00	0.00	165.79	132906.37	0.00	2553511.91	1471535.40	1	qprm
	531.00	0.00	165.79	147724.43	0.00	2553511.91	1471535.40	5	freq
117	59.00	0.02	136.97	-502042.25	-0.00	2553511.91	1471535.40	2	qprm
	59.00	0.02	136.97	-502042.25	-0.00	2553511.91	1471535.40	6	freq
	295.00	0.02	165.79	-549594.68	-0.00	2553511.91	1471535.40	1	qprm

	295.00	0.02	165.79	-554068.70	-0.00	2553511.91	1471535.40	5	freq
	531.00	0.02	165.79	848941.16	0.00	2553511.91	1471535.40	2	qprm
	531.00	0.02	165.79	848941.16	0.00	2553511.91	1471535.40	6	freq
118	59.00	0.01	130.17	367168.98	-0.00	2793868.98	1471535.40	1	qprm
	59.00	0.01	130.17	390561.05	-0.00	2793868.98	1471535.40	5	freq
	295.00	0.04	165.79	-1253788.35	-0.00	2553511.91	1471535.40	2	qprm
	295.00	0.04	165.79	-1253788.35	-0.00	2553511.91	1471535.40	6	freq
	531.00	0.00	130.17	328886.76	0.00	2633350.38	1471535.40	2	qprm
	531.00	0.00	130.17	328886.76	0.00	2633350.38	1471535.40	6	freq
157	55.50	0.00	139.47	298505.36	-19846.68	1982907.62	1323594.74	1	qprm
	55.50	0.00	139.47	299496.49	-19854.70	1982907.62	1323594.74	5	freq
	277.50	0.00	169.20	-358172.73	-3336.55	1982907.62	1323594.74	1	qprm
	277.50	0.00	169.20	-358162.45	-3335.17	1982907.62	1323594.74	5	freq
158	55.50	0.01	205.46	520298.48	45739.59	2562835.04	2562835.04	1	qprm
	55.50	0.01	205.46	521293.99	45760.46	2562835.04	2562835.04	5	freq
	277.50	0.01	205.46	-520560.86	13401.96	2562835.04	2562835.04	1	qprm
	277.50	0.01	205.46	-521212.50	13404.84	2562835.04	2562835.04	5	freq
176	499.50	0.00	139.47	424799.27	-34264.16	2023754.35	1323594.74	2	qprm
	499.50	0.00	139.47	424799.27	-34264.16	2023754.35	1323594.74	6	freq
177	277.50	0.00	205.46	-346611.93	47874.21	2562835.04	2562835.04	1	qprm
	277.50	0.00	205.46	-346320.64	47841.48	2562835.04	2562835.04	5	freq
	499.50	0.00	205.46	569908.25	54331.07	2562835.04	2562835.04	2	qprm
	499.50	0.00	205.46	569908.25	54331.07	2562835.04	2562835.04	6	freq
195	499.50	0.00	139.47	338419.94	-13895.10	2023754.35	1323594.74	1	qprm
	499.50	0.00	139.47	338210.81	-13933.13	2023754.35	1323594.74	5	freq
196	277.50	0.00	205.28	-401234.30	19000.46	2560331.57	2562835.04	2	qprm
	277.50	0.00	205.28	-401234.30	19000.46	2560331.57	2562835.04	6	freq
	499.50	0.00	205.54	437345.89	21133.56	2560331.57	2562835.04	1	qprm
	499.50	0.00	205.54	437532.63	21053.01	2560331.57	2562835.04	5	freq
216	55.50	0.00	139.47	339363.61	-8740.79	2023754.35	1323594.74	2	qprm
	55.50	0.00	139.47	339363.61	-8740.79	2023754.35	1323594.74	6	freq
217	277.50	0.00	205.28	-438951.07	18377.99	2560331.57	2562835.04	1	qprm
	277.50	0.00	205.28	-439137.35	18329.36	2560331.57	2562835.04	5	freq
	499.50	0.00	205.54	480193.60	19681.14	2560331.57	2562835.04	1	qprm
	499.50	0.00	205.54	482183.65	19564.65	2560331.57	2562835.04	5	freq
235	295.00	0.00	205.10	-434775.31	46696.14	2560331.57	2562835.04	1	qprm
	295.00	0.00	205.10	-435020.25	46697.93	2560331.57	2562835.04	5	freq
	531.00	0.00	133.67	682131.64	41459.60	2907603.01	2605482.15	2	qprm
	531.00	0.00	133.67	682131.64	41459.60	2907603.01	2605482.15	6	freq
236	531.00	0.00	139.47	408544.77	-24943.71	2023754.35	1323594.74	1	qprm
	531.00	0.00	139.47	421664.24	-25575.10	2023754.35	1323594.74	5	freq
263	295.00	0.00	169.20	-303009.37	-6420.04	1982907.62	1323594.74	2	qprm
	295.00	0.00	169.20	-303009.37	-6420.04	1982907.62	1323594.74	6	freq
	531.00	0.01	139.47	565038.58	-33333.89	2023754.35	1323594.74	1	qprm
	531.00	0.01	139.47	567052.10	-33478.06	2023754.35	1323594.74	5	freq
265	59.00	0.00	133.74	193792.24	-14668.05	3170686.77	2644106.01	1	qprm
	59.00	0.00	133.74	201592.10	-14685.70	3170686.77	2644106.01	5	freq
	295.00	0.01	205.48	-501407.28	16693.77	2562968.44	2558811.78	1	qprm
	295.00	0.01	205.48	-501295.27	16680.46	2562968.44	2558811.78	5	freq
	531.00	0.00	133.74	554538.29	48109.45	2910290.68	2601458.90	2	qprm
	531.00	0.00	133.74	554538.29	48109.45	2910290.68	2601458.90	6	freq
267	50.94	0.00	146.84	829727.79	38149.92	6182508.31	2285334.19	2	qprm
	50.94	0.00	146.84	829727.79	38149.92	6182508.31	2285334.19	6	freq
	254.70	0.00	146.84	-747807.23	168446.23	6182508.31	2285334.19	2	qprm
	254.70	0.00	146.84	-747807.23	168446.23	6182508.31	2285334.19	6	freq
	458.46	0.01	146.84	988280.78	63194.68	6182508.31	2285334.19	1	qprm
	458.46	0.01	146.84	1035543.10	63173.25	6182508.31	2285334.19	5	freq
268	50.59	0.00	122.26	902600.33	62386.96	6182508.31	2285334.19	1	qprm
	50.59	0.00	122.26	914544.93	62201.68	6182508.31	2285334.19	5	freq
	252.97	0.00	146.84	-1074725.49	59039.64	6182508.31	2285334.19	1	qprm
	252.97	0.00	146.84	-1204016.52	68753.40	6182508.31	2285334.19	4	freq
	455.34	0.00	122.26	972104.94	75864.53	6182508.31	2285334.19	2	qprm

	455.34	0.00	122.26	972104.94	75864.53	6182508.31	2285334.19	6	freq
269	34.50	0.00	220.44	-278582.17	83971.34	6182508.31	2285334.19	2	qprm
	34.50	0.00	220.44	-278582.17	83971.34	6182508.31	2285334.19	6	freq
	172.50	0.01	146.84	-802814.16	-36209.29	6182508.31	2285334.19	1	qprm
	172.50	0.01	146.84	-881877.27	-42723.41	6182508.31	2285334.19	4	freq
	310.51	0.01	146.84	999368.50	-27360.44	6182508.31	2285334.19	2	qprm
	310.51	0.01	146.84	999368.50	-27360.44	6182508.31	2285334.19	6	freq
270	254.70	0.00	146.84	-531923.07	-170274.75	6273143.26	2469660.67	2	qprm
	254.70	0.00	146.84	-628314.57	-198913.08	6273143.26	2469660.67	4	freq
	458.46	0.01	169.07	1200612.52	-80551.50	6750295.14	2469660.67	1	qprm
	458.46	0.02	169.07	1260394.55	-91191.47	6750295.14	2469660.67	4	freq
271	252.97	0.00	146.84	-971140.27	-87369.82	6273143.26	2469660.67	1	qprm
	252.97	0.00	146.84	-1079557.87	-102012.91	6273143.26	2469660.67	4	freq
272	34.50	0.01	169.07	1227980.83	-74825.26	6750295.14	2469660.67	2	qprm
	34.50	0.02	169.07	1299173.34	-87933.60	6750295.14	2469660.67	4	freq
	310.51	0.00	146.84	-584879.96	24073.12	6273143.26	2469660.67	1	qprm
	310.51	0.00	146.84	-585293.93	24107.89	6273143.26	2469660.67	5	freq

Verifica stato limite di esercizio - tensioni massime nel calcestruzzo

Elemento	Ascissa (cm)	Tensione (N/cm2)	Combinazione rara			Combinazione quasi permanente			
			Mz (Nxcmm)	My (Nxcmm)	Comb.	Tensione (N/cm2)	Mz (Nxcmm)	My (Nxcmm)	Comb.
11	34.30	-82.08	283095.77	58128.99	7	-65.09	214634.58	43878.23	1
	50.00	-52.19	161085.34	46218.67	9	-46.28	141748.20	37957.60	1
	90.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
17	34.30	-46.47	276974.98	-14490.40	7	-42.34	212847.74	-13887.74	1
	50.00	-23.21	148148.15	-7790.45	10	-23.28	148225.59	-7896.12	1
	90.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
97	24.30	-615.68	5663568.57	-0.00	9	-476.67	4384769.21	-0.00	1
	65.00	-41.47	-469489.35	-0.00	10	-41.47	-469489.35	-0.00	2
	117.00	-519.64	-5773897.53	-0.00	9	-433.24	-4813881.30	-0.00	1
98	59.00	-330.27	-704902.50	0.00	8	-330.27	-704902.50	0.00	1
	295.00	-917.43	-1958062.50	-0.00	7	-917.43	-1958062.50	-0.00	1
	531.00	-330.27	-704902.50	-0.00	10	-330.27	-704902.50	-0.00	2
103	37.50	-794.11	-8823616.02	0.00	9	-646.99	-7188915.25	0.00	1
	187.50	-686.12	-7710280.96	0.00	9	-547.83	-6156264.74	0.00	1
	337.50	-838.23	8745804.09	0.00	9	-661.36	6900385.77	0.00	1
109	50.50	-282.01	1755025.80	-7201.44	7	-240.64	1490011.42	-9080.51	1
	252.50	-73.93	-437938.38	-2981.67	9	-32.05	-182716.58	-2349.14	1
	454.50	-128.34	-867508.78	-213.05	7	-107.43	-728779.23	4208.04	2
110	37.50	-132.94	-848961.26	-0.00	9	-114.56	-731583.03	-0.00	1
	187.50	-372.58	-2379271.98	-0.00	9	-308.05	-1967214.82	-0.00	1
	337.50	-219.47	1401542.31	0.00	9	-174.24	1112653.40	0.00	1
111	50.50	-844.36	5677896.23	1611521.02	9	-697.14	4453986.58	1611521.02	1
	252.50	-651.51	-3681032.04	-1832458.95	9	-514.01	-2347446.00	-1832458.95	1
	454.50	-305.03	1129693.29	1509751.09	9	-265.54	-556791.30	1509751.09	2
112	50.50	-433.77	3645024.32	-0.00	9	-371.77	3123981.78	-0.00	1
	252.50	-657.49	-4198691.73	-0.00	9	-553.58	-3535156.90	-0.00	1
	454.50	-382.50	3214207.81	-0.00	9	-315.94	2654884.01	-0.00	1
113	50.50	-254.65	2345921.11	0.00	9	-213.20	1964081.77	0.00	1
	252.50	-467.27	-3723228.38	-0.00	9	-397.49	-3167284.59	-0.00	1
	454.50	-369.97	3408382.73	-0.00	9	-319.30	2941598.64	-0.00	1
114	59.00	-158.25	1298246.36	3399.18	10	-158.25	1298246.36	3399.18	2
	295.00	-312.78	-1896922.18	-3173.15	7	-311.30	-1890620.52	-2010.71	1
	531.00	-250.85	2117121.01	-10961.79	9	-239.57	2023884.18	-8416.31	1
115	59.00	-11.72	-104046.61	-0.00	9	-7.79	-69205.79	-0.00	1
	295.00	-318.55	-2034238.12	-0.00	7	-317.85	-2029736.78	-0.00	1
	531.00	-356.96	2999555.24	0.00	9	-353.65	2971732.23	0.00	1
116	59.00	-74.91	478339.36	-0.00	10	-74.91	478339.36	-0.00	2
	295.00	-91.13	-581949.57	-0.00	9	-82.17	-524711.27	-0.00	1
	531.00	-27.37	174807.38	0.00	9	-20.81	132906.37	0.00	

									1
117	59.00	-67.66	-502042.25	-0.00	10	-67.66	-502042.25	-0.00	2
	295.00	-87.30	-557470.39	-0.00	9	-86.06	-549594.68	-0.00	1
	531.00	-132.94	848941.16	0.00	10	-132.94	848941.16	0.00	2
118	59.00	-63.26	488514.65	-0.00	9	-47.55	367168.98	-0.00	1
	295.00	-196.34	-1253788.35	-0.00	10	-196.34	-1253788.35	-0.00	2
	531.00	-45.19	328886.76	0.00	10	-45.19	328886.76	0.00	2
157	55.50	-81.99	267658.55	-37067.10	7	-72.80	298505.36	-19846.68	1
	277.50	-91.35	-358488.24	-10400.30	7	-82.55	-358234.41	-3344.83	2
	499.50	-52.34	93452.46	16266.50	7	-31.26	69060.06	13108.90	2
158	55.50	-105.02	507253.54	65502.39	9	-104.36	520298.48	45739.59	1
	277.50	-102.06	-529407.69	26808.94	7	-97.77	-520560.86	13401.96	1
	499.50	-34.86	-32485.09	-36420.15	7	-21.38	-52097.69	-18935.67	1
176	55.50	-95.22	141970.03	-21621.49	7	-55.15	130214.99	-7654.16	1
	277.50	-122.37	-265546.58	-39140.52	7	-81.24	-264938.11	-21000.70	2
	499.50	-146.97	405024.31	-56659.56	7	-111.78	424799.27	-34264.16	2
177	55.50	-97.62	194741.62	82537.92	7	-66.24	251469.90	41657.78	1
	277.50	-118.12	-367198.12	95044.48	7	-78.55	-348359.68	48070.59	2
	499.50	-143.26	580184.63	107551.04	7	-114.21	569908.25	54331.07	2
195	55.50	-87.78	149801.44	-4639.32	7	-52.02	122099.01	1987.67	2
	277.50	-119.02	-317008.18	-12979.35	7	-83.39	-308156.89	-5839.63	2
	499.50	-118.60	294269.69	-21319.38	7	-90.51	339674.71	-13666.93	2
196	55.50	-87.95	210283.61	31877.22	7	-63.72	279803.71	16093.70	1
	277.50	-111.13	-413549.70	36756.30	7	-80.39	-401234.30	19000.46	2
	499.50	-118.07	471939.48	41635.39	7	-86.08	436225.43	21616.89	2
216	55.50	-123.46	350422.34	-15427.67	7	-88.32	339363.61	-8740.79	2
	277.50	-108.47	-250586.35	-16096.98	7	-74.03	-249672.07	-9009.08	2
	499.50	-98.88	226492.47	-16766.30	7	-71.59	270013.16	-10966.15	1
217	55.50	-75.91	150470.89	34376.97	7	-47.57	165402.35	16959.49	2
	277.50	-113.27	-436357.38	36389.43	7	-85.92	-438951.07	18377.99	1
	499.50	-118.94	486136.84	38401.90	7	-92.84	480193.60	19681.14	1
235	59.00	-84.44	161771.39	101492.61	7	-51.69	175667.33	52194.07	1
	295.00	-126.30	-432941.68	90657.24	7	-91.32	-434775.31	46696.14	1
	531.00	-141.67	678035.25	79821.87	7	-113.89	682131.64	41459.60	2
236	59.00	-117.25	193188.83	-43692.02	7	-89.98	303640.98	-25776.05	2
	295.00	-131.44	-304833.39	-42485.11	7	-87.50	-293614.13	-23352.18	1
	531.00	-147.94	415494.38	-41278.19	7	-107.33	408544.77	-24943.71	1
263	59.00	-44.89	28143.23	30061.72	7	-30.21	59373.81	19628.81	2
	295.00	-80.65	-303267.13	-11000.82	7	-71.98	-305498.42	-5967.18	1
	531.00	-145.71	583672.50	-52063.36	7	-129.09	565038.58	-33333.89	1
265	59.00	-49.69	226528.36	-27887.82	7	-32.98	193792.24	-14668.05	1
	295.00	-97.89	-499016.61	32988.65	7	-95.19	-502079.31	16773.64	2
	531.00	-92.59	481128.43	93865.12	7	-88.39	554538.29	48109.45	2
267	50.94	-100.92	995532.69	72038.99	7	-71.14	829727.79	38149.92	2
	254.70	-152.65	-1159541.91	338575.81	7	-89.84	-747807.23	168446.23	2
	458.46	-115.44	1165983.22	111531.94	7	-89.09	988280.78	63194.68	1
268	50.59	-113.09	1179815.06	124480.25	7	-76.03	902600.33	62386.96	1
	252.97	-161.45	-1813046.60	113390.36	7	-93.39	-1074725.49	59039.64	1
	455.34	-127.59	1213477.84	146821.31	7	-87.00	972104.94	75864.53	2
269	34.50	-43.22	-278582.17	83971.34	10	-43.22	-278582.17	83971.34	2
	172.50	-111.70	-1261945.54	-72634.33	7	-68.87	-802814.16	-36209.29	1
	310.51	-86.63	998200.49	-49680.83	7	-81.39	999368.50	-27360.44	2
270	50.94	-67.43	-228442.12	-86046.63	7	-48.73	-430665.89	-44383.92	1
	254.70	-137.87	-1092475.46	-333232.31	7	-68.59	-531923.07	-170274.75	2
	458.46	-124.48	1540845.87	-140519.50	7	-90.08	1200612.52	-80551.50	1
271	50.59	-63.69	-163151.67	-141515.80	7	-42.55	-305606.88	-71300.39	1
	252.97	-150.68	-1581776.09	-169715.93	7	-88.05	-971140.27	-87369.82	1
	455.34	-90.02	606964.19	-134099.09	7	-43.67	238456.34	-67564.20	1
272	34.50	-130.41	1633000.36	-149501.30	7	-89.73	1227980.83	-74825.26	2

172.50	-28.18	-128319.90	58381.13	7	-14.71	-56711.76	30560.72	1
310.51	-53.49	-434383.24	46146.52	7	-48.18	-584879.96	24073.12	1

Verifica stato limite di esercizio - tensioni massime nell'acciaio

Elemento	Ascissa (cm)	Combinazione rara				Combinazione quasi permanente			
		Tensione (N/cm2)	Mz (Nxcm)	My (Nxcm)	Comb.	Tensione (N/cm2)	Mz (Nxcm)	My (Nxcm)	Comb.
11	34.30	4590.09	283095.77	58128.99	7	3040.00	214634.58	43878.23	1
	50.00	3855.13	180939.98	49715.40	7	2506.96	141748.20	37957.60	1
	90.00	2288.50	-7866.45	28279.51	7	1386.09	-6073.60	22873.21	1
17	34.30	4049.27	276974.98	-14490.40	7	2802.40	212847.74	-13887.74	1
	50.00	3374.88	185812.26	-11030.58	7	2276.84	148225.59	-7896.12	1
	90.00	1988.81	24490.08	-2215.77	7	1334.03	22684.56	7369.14	1
97	24.30	13940.88	5663568.57	-0.00	9	10793.11	4384769.21	-0.00	1
	65.00	1129.46	-469489.35	-0.00	10	1129.46	-469489.35	-0.00	2
	117.00	13108.60	-5773897.53	-0.00	9	10929.05	-4813881.30	-0.00	1
98	59.00	7052.51	-704902.50	0.00	8	7052.51	-704902.50	0.00	1
	295.00	19590.31	-1958062.50	-0.00	7	19590.31	-1958062.50	-0.00	1
	531.00	7052.51	-704902.50	-0.00	10	7052.51	-704902.50	-0.00	2
103	37.50	20032.44	-8823616.02	0.00	9	16321.14	-7188915.25	0.00	1
	187.50	18141.13	-7710280.96	0.00	9	14484.76	-6156264.74	0.00	1
	337.50	14117.83	8745804.09	0.00	9	11138.88	6900385.77	0.00	1
109	50.50	8423.78	1755025.80	-7201.44	7	7175.85	1490011.42	-9080.51	1
	252.50	1741.34	-437938.38	-2981.67	9	610.00	-182716.58	-2349.14	1
	454.50	3033.31	-867508.78	-213.05	7	2711.80	-728779.23	4208.04	2
110	37.50	4253.79	-848961.26	-0.00	9	3665.66	-731583.03	-0.00	1
	187.50	11921.57	-2379271.98	-0.00	9	9856.90	-1967214.82	-0.00	1
	337.50	7022.55	1401542.31	0.00	9	5575.04	1112653.40	0.00	1
111	50.50	15577.21	5677896.23	1611521.02	9	13018.12	4453986.58	1611521.02	1
	252.50	13224.41	-3681032.04	-1832458.95	9	9446.50	-2347446.00	-1832458.95	1
	454.50	7629.37	1129693.29	1509751.09	9	6489.03	565665.01	1509751.09	1
112	50.50	7604.23	3645024.32	-0.00	9	6517.23	3123981.78	-0.00	1
	252.50	21037.95	-4198691.73	-0.00	9	17713.24	-3535156.90	-0.00	1
	454.50	6705.46	3214207.81	-0.00	9	5538.60	2654884.01	-0.00	1
113	50.50	4851.39	2345921.11	0.00	9	4061.74	1964081.77	0.00	1
	252.50	12568.97	-3723228.38	-0.00	9	10692.20	-3167284.59	-0.00	1
	454.50	7048.57	3408382.73	-0.00	9	6083.25	2941598.64	-0.00	1
114	59.00	2126.36	1298246.36	3399.18	10	2126.36	1298246.36	3399.18	2
	295.00	7959.00	-1891797.90	-1968.87	10	7959.00	-1891797.90	-1968.87	2
	531.00	3811.04	2117121.01	-10961.79	9	3619.92	2023884.18	-8416.31	1
115	59.00	395.21	-104046.61	-0.00	9	262.87	-69205.79	-0.00	1
	295.00	10192.72	-2034238.12	-0.00	7	10170.17	-2029736.78	-0.00	1
	531.00	6257.65	2999555.24	0.00	9	6199.61	2971732.23	0.00	1
116	59.00	2396.76	478339.36	-0.00	10	2396.76	478339.36	-0.00	2
	295.00	2915.91	-581949.57	-0.00	9	2629.11	-524711.27	-0.00	1
	531.00	875.89	174807.38	0.00	9	665.94	132906.37	0.00	1
117	59.00	1920.00	-502042.25	-0.00	10	1920.00	-502042.25	-0.00	2
	295.00	2793.25	-557470.39	-0.00	9	2753.79	-549594.68	-0.00	1
	531.00	4253.69	848941.16	0.00	10	4253.69	848941.16	0.00	2
118	59.00	1651.91	488514.65	-0.00	9	1241.58	367168.98	-0.00	1
	295.00	6282.21	-1253788.35	-0.00	10	6282.21	-1253788.35	-0.00	2
	531.00	1116.21	328886.76	0.00	10	1116.21	328886.76	0.00	2
157	55.50	1042.15	267658.55	-37067.10	7	859.68	298505.36	-19846.68	1
	277.50	1150.67	-358488.24	-10400.30	7	946.64	-358234.41	-3344.83	2
	499.50	712.84	93452.46	16266.50	7	415.87	69060.06	13108.90	2
158	55.50	1660.67	514325.39	45614.37	10	1699.09	520298.48	45739.59	1
	277.50	1595.00	-516651.00	13384.69	10	1621.50	-520560.86	13401.96	1
	499.50	495.54	-32485.09	-36420.15	7	292.96	-52097.69	-18935.67	1
176	55.50	1335.39	141970.03	-21621.49	7	755.51	130214.99	-7654.16	1
	277.50	1652.03	-265546.58	-39140.52	7	1055.16	-264938.11	-21000.70	2

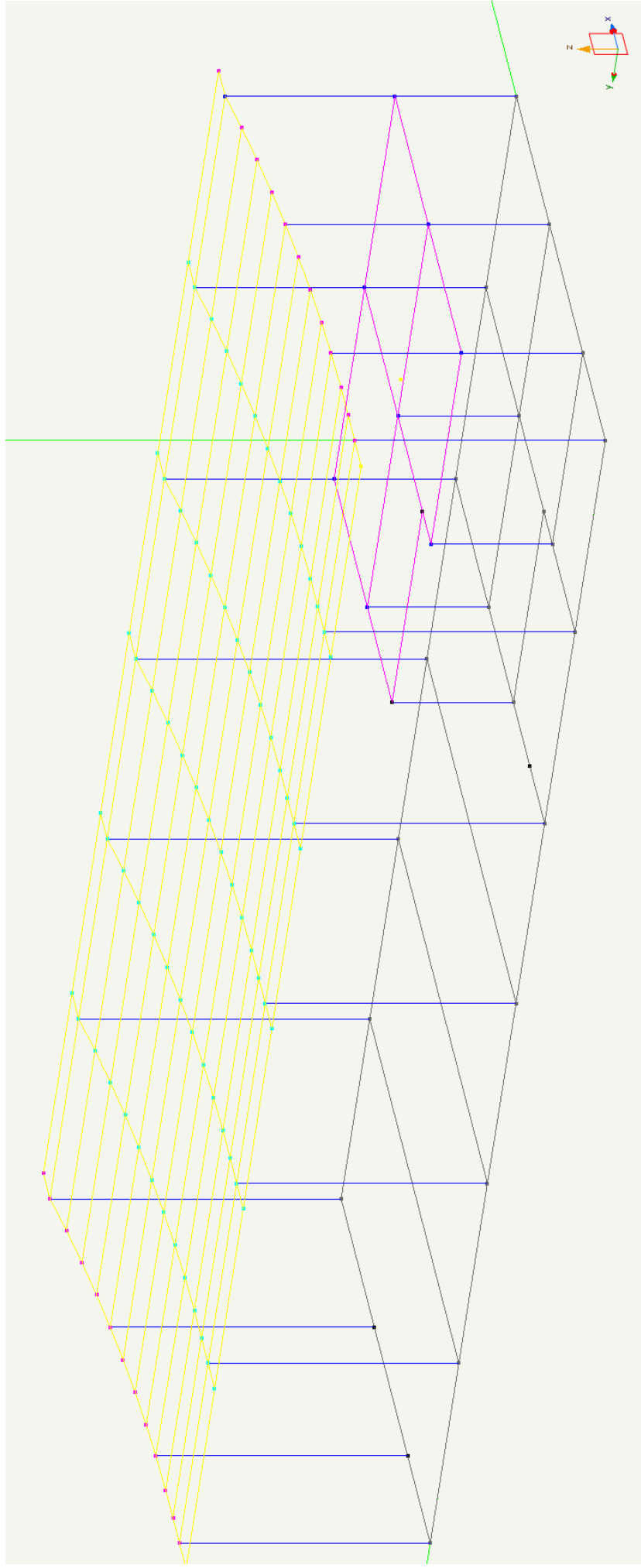
	499.50	1921.69	405024.31	-56659.56	7	1384.87	424799.27	-34264.16	2
177	55.50	1350.96	194741.62	82537.92	7	873.91	251469.90	41657.78	1
	277.50	1582.91	-367198.12	95044.48	7	1013.02	-348359.68	48070.59	2
	499.50	1867.30	580184.63	107551.04	7	1388.05	569908.25	54331.07	2
195	55.50	1238.74	149801.44	-4639.32	7	718.77	122099.01	1987.67	2
	277.50	1603.61	-317008.18	-12979.35	7	1078.78	-308156.89	-5839.63	2
	499.50	1592.38	294269.69	-21319.38	7	1154.71	339674.71	-13666.93	2
196	55.50	1220.44	210283.61	31877.22	7	834.78	279803.71	16093.70	1
	277.50	1480.82	-413549.70	36756.30	7	1016.89	-401234.30	19000.46	2
	499.50	1561.18	471939.48	41635.39	7	1078.94	436225.43	21616.89	2
216	55.50	1643.69	350422.34	-15427.67	7	1126.80	339363.61	-8740.79	2
	277.50	1476.88	-250586.35	-16096.98	7	968.68	-249672.07	-9009.08	2
	499.50	1354.52	226492.47	-16766.30	7	929.71	270013.16	-10966.15	1
217	55.50	1069.00	150470.89	34376.97	7	645.36	165402.35	16959.49	2
	277.50	1503.66	-436357.38	36389.43	7	1073.22	-437833.42	18669.79	2
	499.50	1569.72	486136.84	38401.90	7	1145.31	480193.60	19681.14	1
235	59.00	1173.31	161771.39	101492.61	7	696.73	175667.33	52194.07	1
	295.00	1676.02	-432941.68	90657.24	7	1152.56	-434775.31	46696.14	1
	531.00	1835.85	678035.25	79821.87	7	1387.61	682131.64	41459.60	2
236	59.00	1597.06	193188.83	-43692.02	7	1157.05	303640.98	-25776.05	2
	295.00	1763.61	-304833.39	-42485.11	7	1130.50	-293614.13	-23352.18	1
	531.00	1947.34	415494.38	-41278.19	7	1347.18	408544.77	-24943.71	1
263	59.00	619.15	28143.23	30061.72	7	397.98	59373.81	19628.81	2
	295.00	1029.83	-303267.13	-11000.82	7	839.33	-305498.42	-5967.18	1
	531.00	1699.41	583672.50	-52063.36	7	1702.15	565038.58	-33333.89	1
265	59.00	659.46	226528.36	-27887.82	7	422.39	193792.24	-14668.05	1
	295.00	1420.34	-502079.31	16773.64	10	1420.45	-501407.28	16693.77	1
	531.00	1143.31	481128.43	93865.12	7	1006.74	554538.29	48109.45	2
267	50.94	1374.31	995532.69	72038.99	7	947.39	829727.79	38149.92	2
	254.70	1844.20	-1159541.91	338575.81	7	1083.95	-747807.23	168446.23	2
	458.46	2985.60	1235302.51	84602.09	9	2385.92	988280.78	63194.68	1
268	50.59	1505.52	1179815.06	124480.25	7	1001.05	902600.33	62386.96	1
	252.97	2144.02	-1813046.60	113390.36	7	1233.70	-1074725.49	59039.64	1
	455.34	1699.53	1213477.84	146821.31	7	1137.77	972104.94	75864.53	2
269	34.50	965.20	-278582.17	83971.34	10	965.20	-278582.17	83971.34	2
	172.50	1802.52	-1261945.54	-72634.33	7	1326.45	-802814.16	-36209.29	1
	310.51	1155.58	998200.49	-49680.83	7	1140.53	999368.50	-27360.44	2
270	50.94	935.44	-228442.12	-86046.63	7	664.49	-430665.89	-44383.92	1
	254.70	1696.95	-1092475.46	-333232.31	7	847.27	-531923.07	-170274.75	2
	458.46	2827.60	1540845.87	-140519.50	7	2207.52	1200612.52	-80551.50	1
271	50.59	856.02	-163151.67	-141515.80	7	569.33	-305606.88	-71300.39	1
	252.97	1990.62	-1581776.09	-169715.93	7	1156.01	-971140.27	-87369.82	1
	455.34	1221.54	606964.19	-134099.09	7	595.85	238456.34	-67564.20	1
272	34.50	2718.64	1633000.36	-149501.30	7	1968.75	1227980.83	-74825.26	2
	172.50	376.36	-128319.90	58381.13	7	197.41	-56711.76	30560.72	1
	310.51	735.33	-434383.24	46146.52	7	640.31	-584879.96	24073.12	1

Verifica stato limite di esercizio - deformabilità

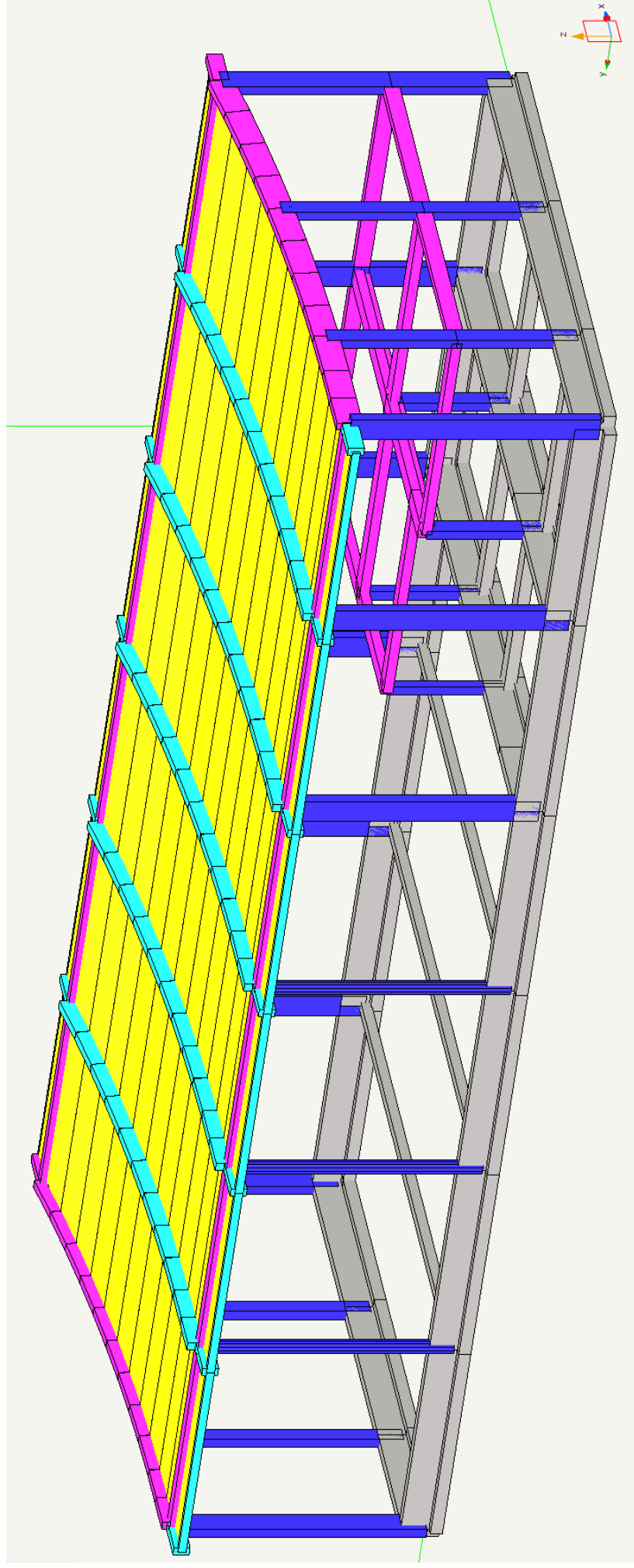
Elem	Max. Defless. (cm)	Lunghezza (cm)	Ascissa (cm)	Rapporto Lx/	Tipo Comb.	Comb
11	0.4917	100.0000	100.0000	203.3693	Rara	9
17	0.3861	13.0435	100.0000	259.0021	Rara	7
97	0.6545	130.0000	130.0000	198.6181	Rara	9
98	0.6547	0.0000	590.0000	901.1990	Rara	9
103	0.6551	0.0000	375.0000	572.4701	Rara	9
109	0.3497	505.0000	505.0000	1444.2840	Rara	7
110	0.3454	0.0000	375.0000	1085.8347	Rara	9
111	0.4361	21.9565	505.0000	1158.1052	Rara	9
112	0.4643	505.0000	505.0000	1087.5597	Rara	9
113	0.4034	505.0000	505.0000	1251.7763	Rara	9
114	0.3711	0.0000	590.0000	1589.9398	Rara	9
115	0.4636	0.0000	590.0000	1272.7550	Rara	9

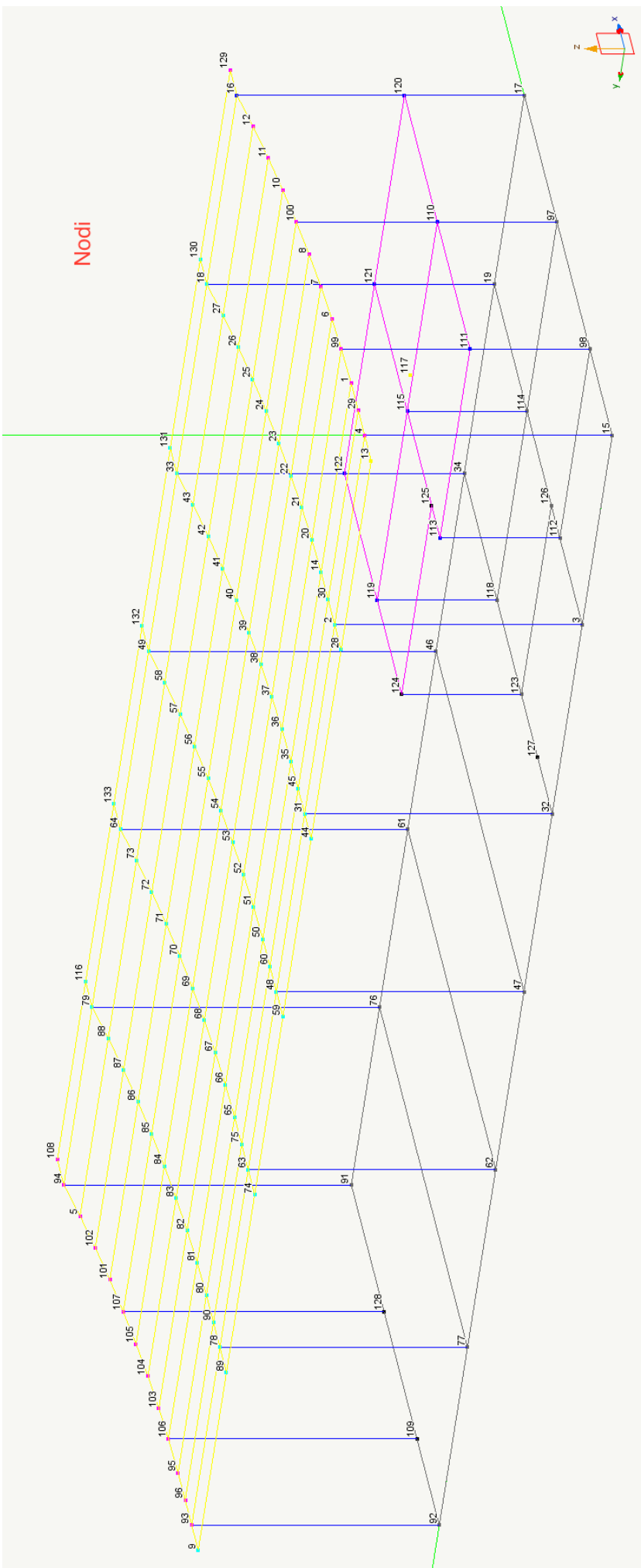
116	0.4216	0.0000	590.0000	1399.5586	Rara	9
117	0.4260	564.3478	590.0000	1385.0220	Rara	9
118	0.3647	590.0000	590.0000	1617.7168	Rara	9
157	0.3950	24.1304	555.0000	1405.0370	Rara	7
158	0.3652	24.1304	555.0000	1519.6464	Rara	7
176	0.4253	0.0000	555.0000	1305.1096	Rara	7
177	0.4158	0.0000	555.0000	1334.9225	Rara	7
195	0.4256	530.8696	555.0000	1304.1462	Rara	7
196	0.4366	0.0000	555.0000	1271.3317	Rara	7
216	0.4217	555.0000	555.0000	1315.9536	Rara	7
217	0.4368	530.8696	555.0000	1270.5885	Rara	7
235	0.4270	590.0000	590.0000	1381.7926	Rara	7
236	0.3793	0.0000	590.0000	1555.5310	Rara	7
263	0.4759	0.0000	590.0000	1239.7452	Rara	9
265	0.3904	590.0000	590.0000	1511.2035	Rara	7
267	0.4822	125.6213	509.3972	1056.4539	Rara	9
268	0.4133	129.0664	505.9331	1224.1758	Rara	9
269	0.3317	136.0078	345.0091	1040.0981	Rara	7
270	0.4390	16.6198	509.3972	1160.4267	Rara	7
271	0.4452	0.0000	505.9331	1136.3808	Rara	7
272	0.3979	136.0078	345.0091	867.0424	Rara	7

Modello

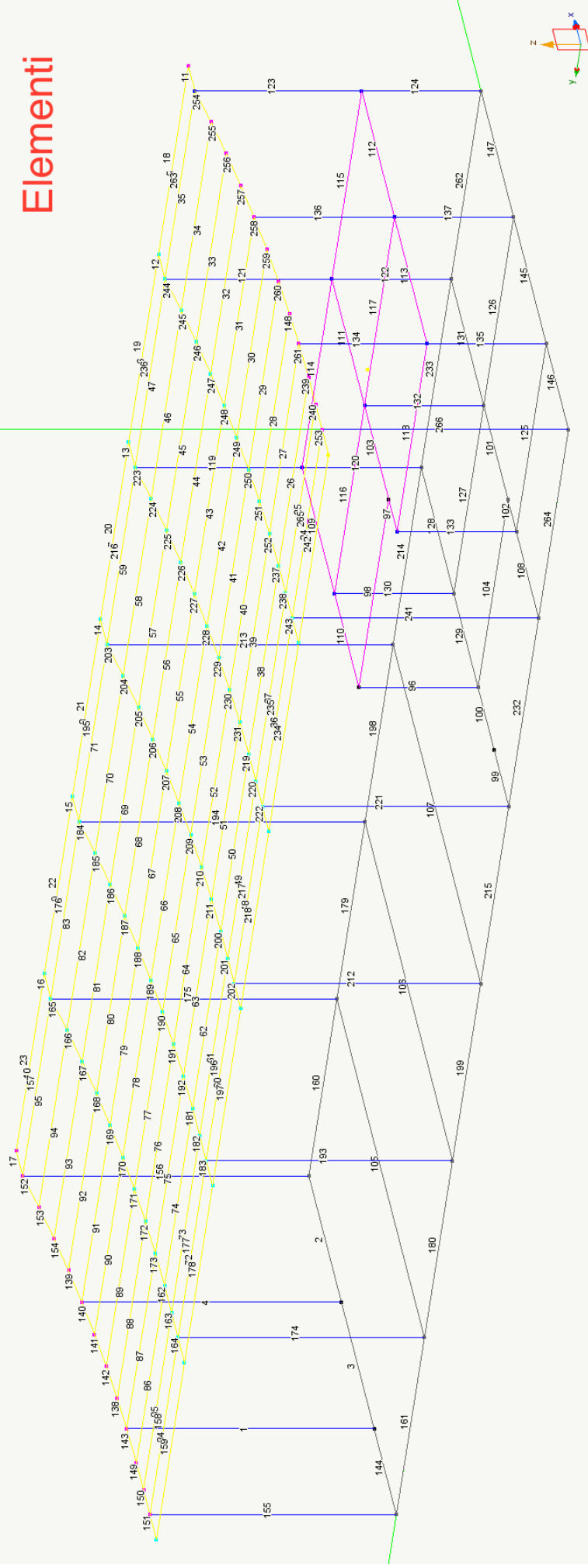


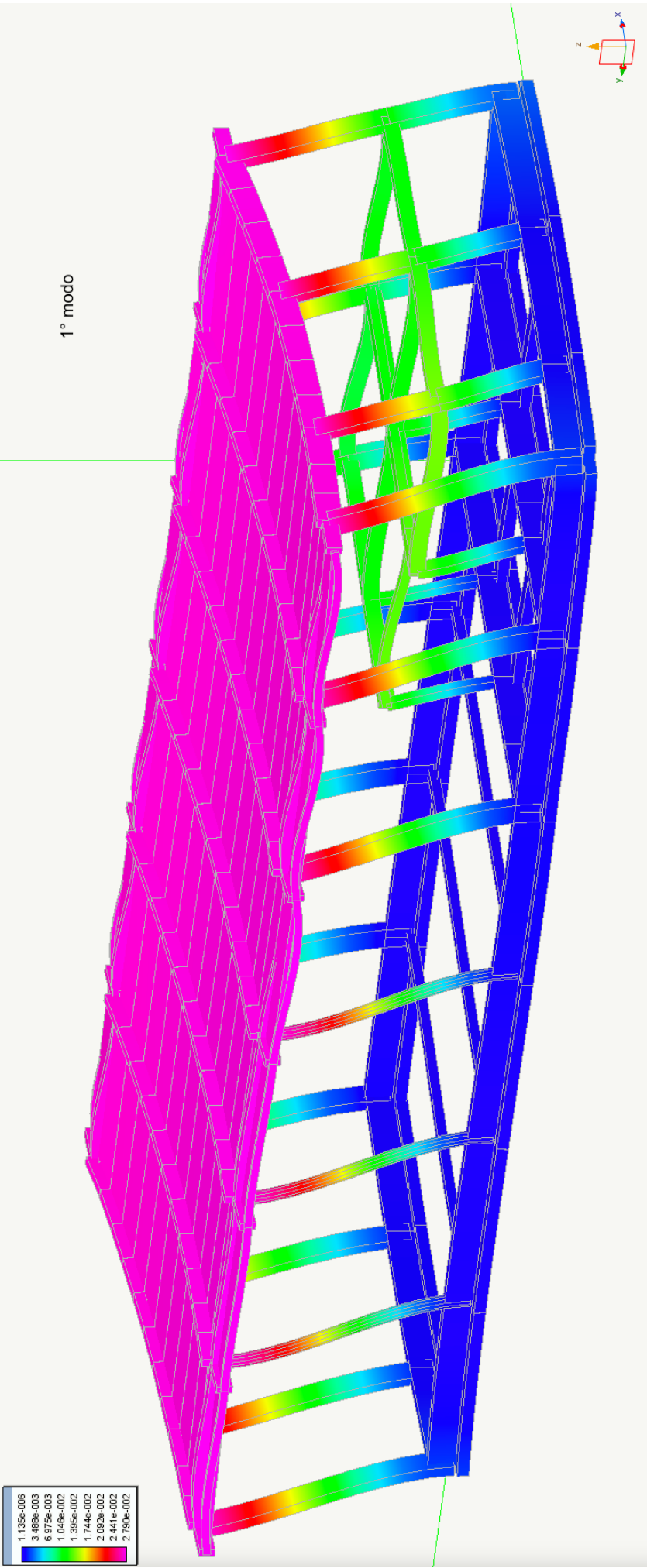
Modello 3D

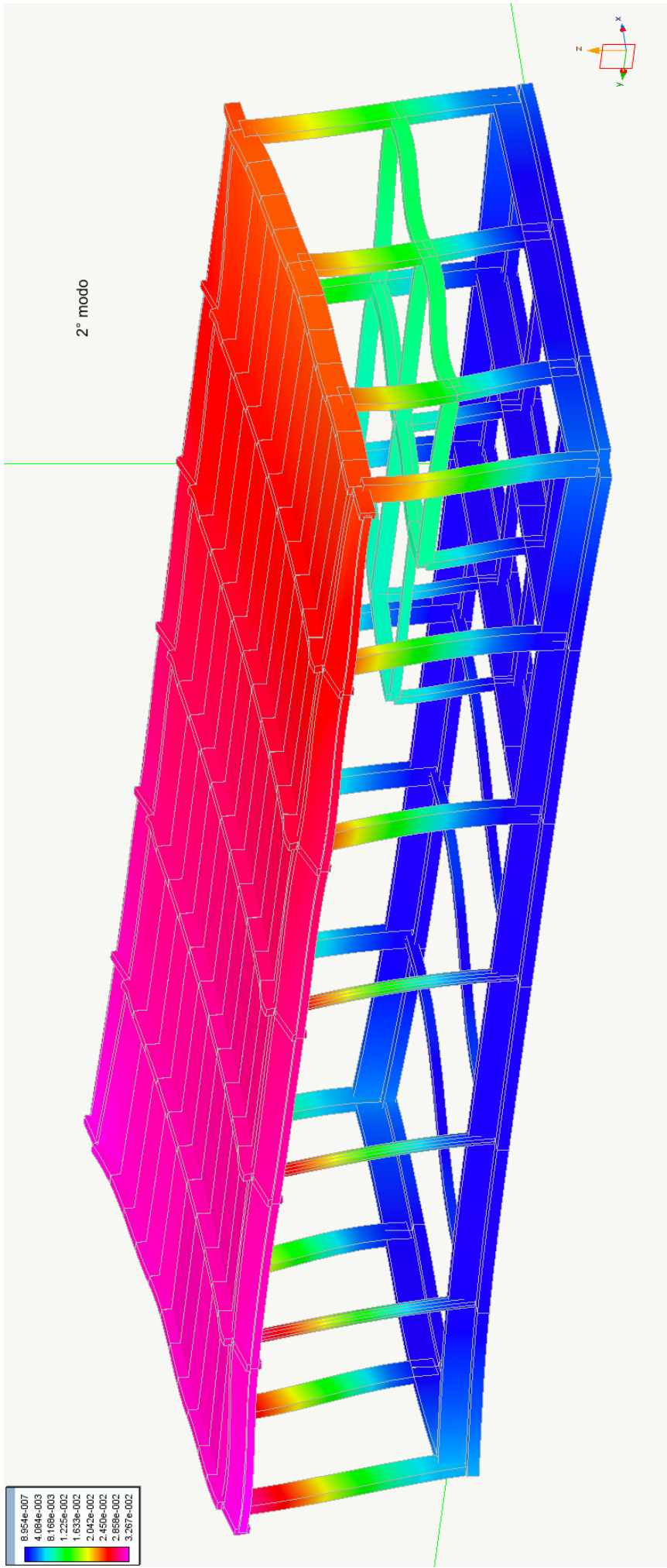


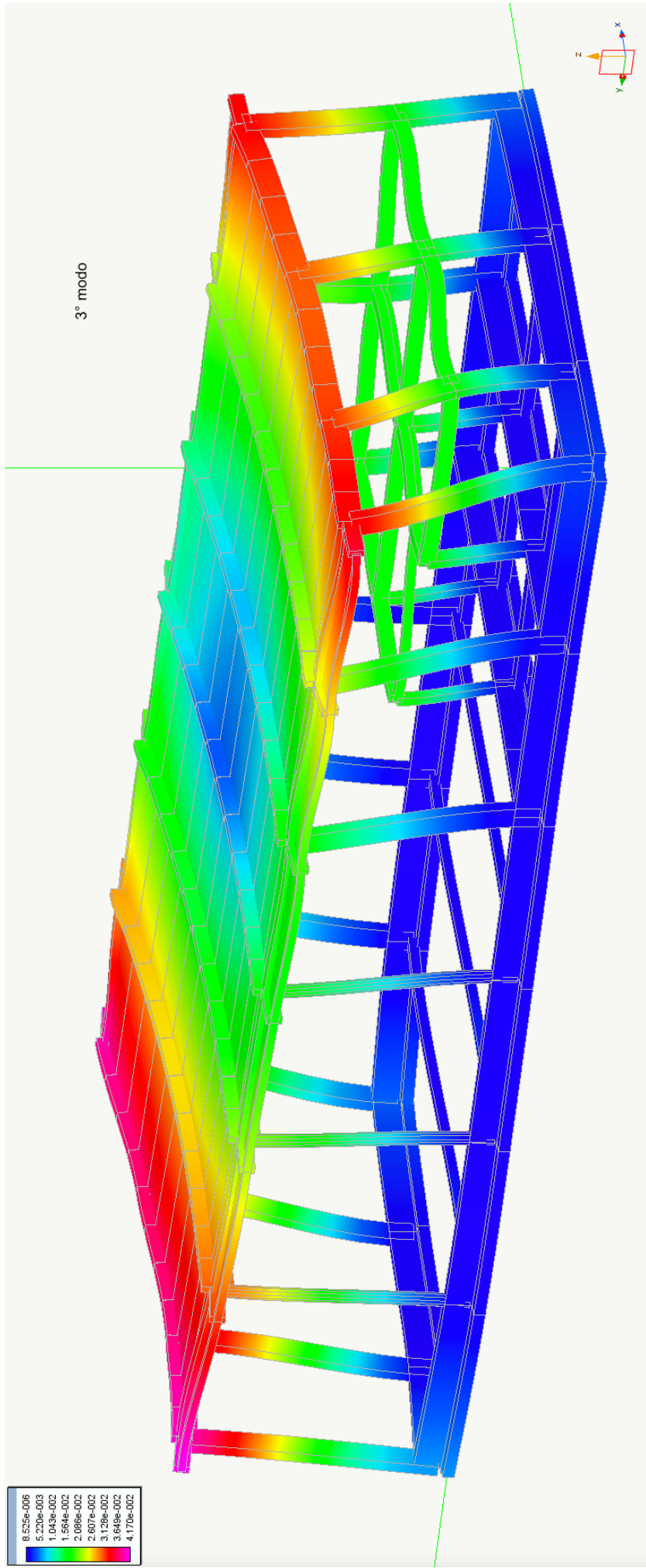


Elementi









PSN va 1**VERIFICA NODI**

All-In-One EWS 47 (29.11.2018) build 7317

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Verifica Nodi**Fattore resistenza a taglio nodi**

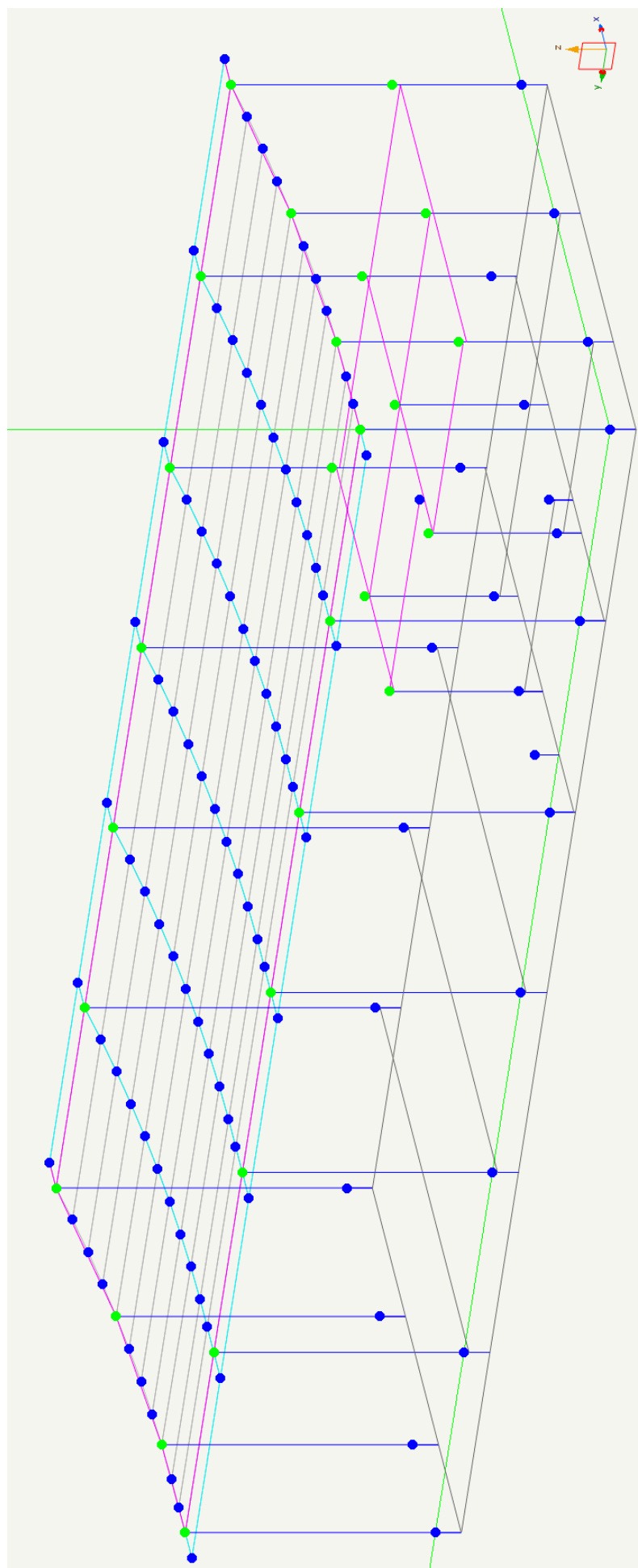
Elemento	Conf.	Vy (N)	Vz (N)	nu	ay (cm2)	az (cm2)	F.Sic.
1	SI	702730.27	0.00	0.00	16.76	0.00	1.07
4	SI	702730.27	0.00	0.00	16.76	0.00	1.07
96	SI	325338.09	208216.33	0.00	8.98	5.39	1.16
119	NO	296888.16	730812.55	0.02	24.37	12.06	1.11
120	SI	296888.16	730812.55	0.02	8.04	8.04	1.11
121	NO	637000.80	726216.78	0.02	24.37	12.06	1.11
122	SI	637000.80	726216.78	0.02	12.06	12.06	1.11
123	NO	776691.33	779060.60	0.00	12.06	12.06	1.11
124	SI	776691.33	779060.60	0.00	12.06	12.06	1.11
130	SI	325338.09	325338.09	0.00	8.98	8.98	1.24
132	SI	998787.92	325338.09	0.00	23.56	23.56	1.06
133	SI	650676.19	488007.14	0.00	14.50	14.50	1.00
134	NO	647816.42	448653.51	0.01	12.87	8.04	1.17
135	SI	647816.42	448653.51	0.01	12.06	12.06	1.76
136	NO	681050.03	410159.30	0.01	12.06	7.54	1.10
137	SI	681050.03	410159.30	0.01	12.06	12.06	1.76
155	SI	813345.23	429446.26	0.00	21.54	11.78	1.19
156	SI	481500.34	429446.26	0.00	18.85	16.49	1.73
174	SI	0.00	325338.09	0.00	23.08	10.00	1.38
175	SI	0.00	429446.26	0.00	27.20	11.78	1.24
193	SI	0.00	325338.09	0.00	21.15	9.16	1.27
194	SI	0.00	429446.26	0.00	27.20	11.78	1.24
212	SI	0.00	325338.09	0.00	23.08	10.00	1.38
213	SI	0.00	429446.26	0.00	27.20	11.78	1.24
221	SI	0.00	592115.30	0.00	38.08	16.49	1.25
241	SI	0.00	696223.47	0.00	38.08	16.49	1.07
266	SI	442459.76	696223.47	0.00	30.16	16.49	1.07

Minimo fattore di sicurezza:

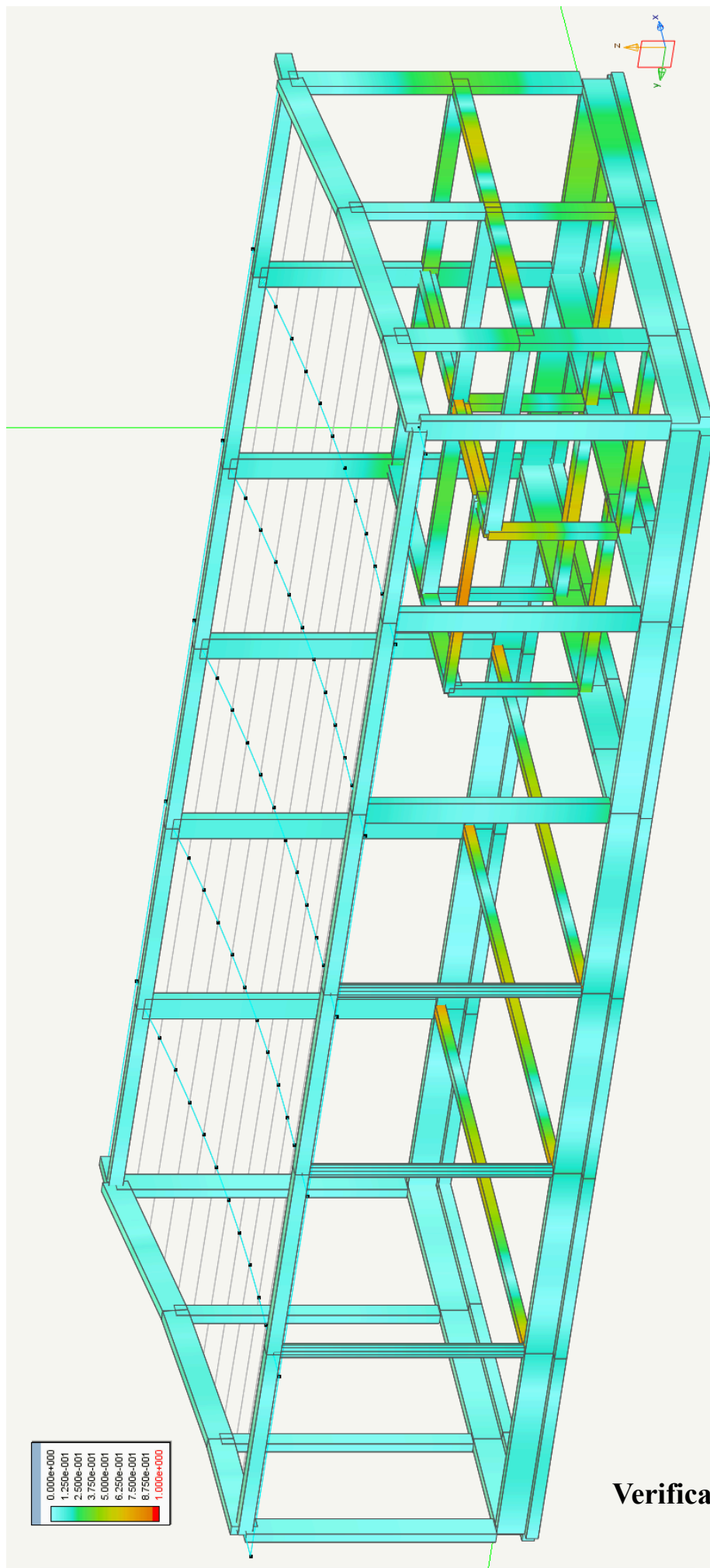
1.003344

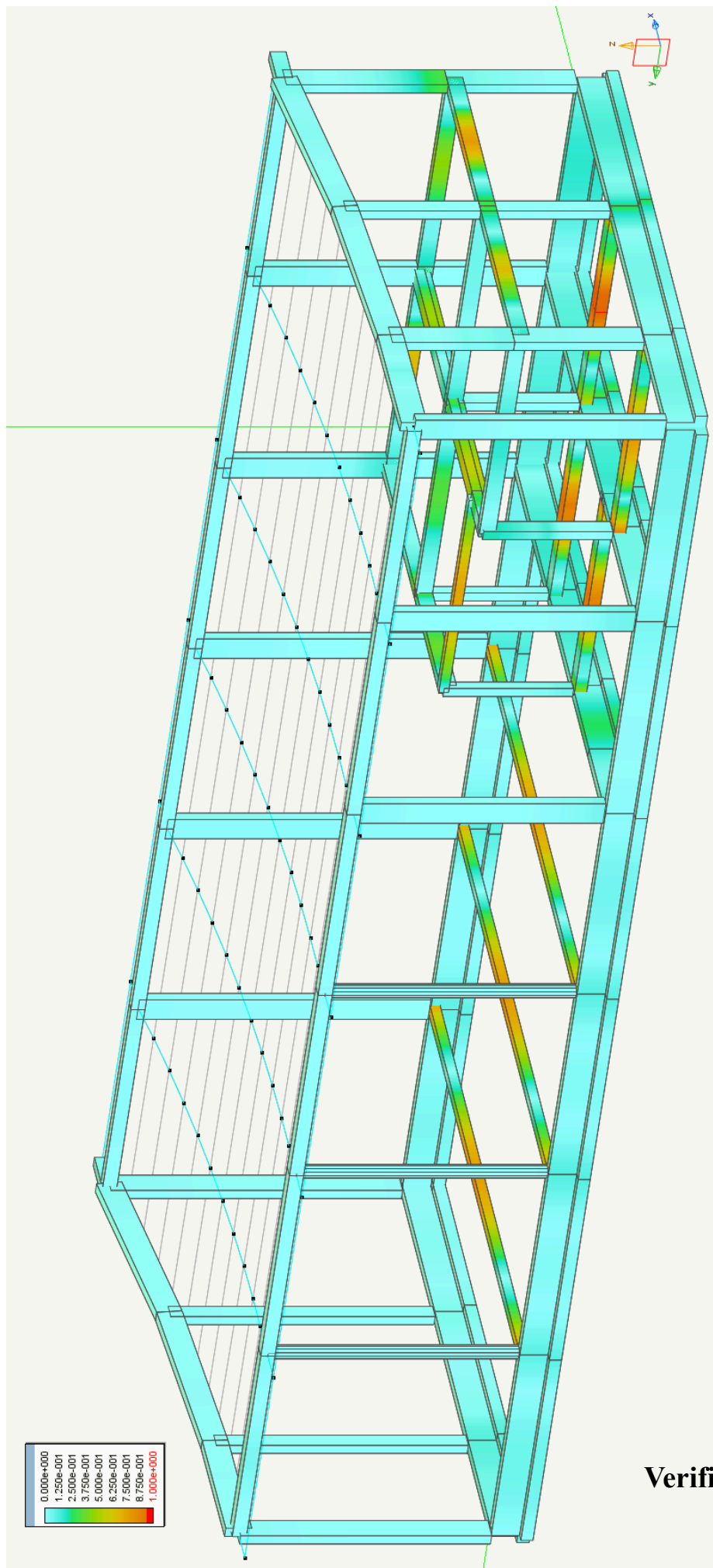
>= 1.00

Verifica del nodo sovrastante l'elemento **Elemento** sollecitato dalle forze taglianti **Vy, Vz** inclusive dell'azione delle armature longitudinali delle travi. **nu** è la compressione assiale normalizzata, **ay, az** (non per strutture esistenti) è l'area totale dell'armatura a taglio nel nodo (area staffa / passo * altezza nodo). Il coefficiente di sicurezza è il minore tra quelli relativi a tutte le verifiche.

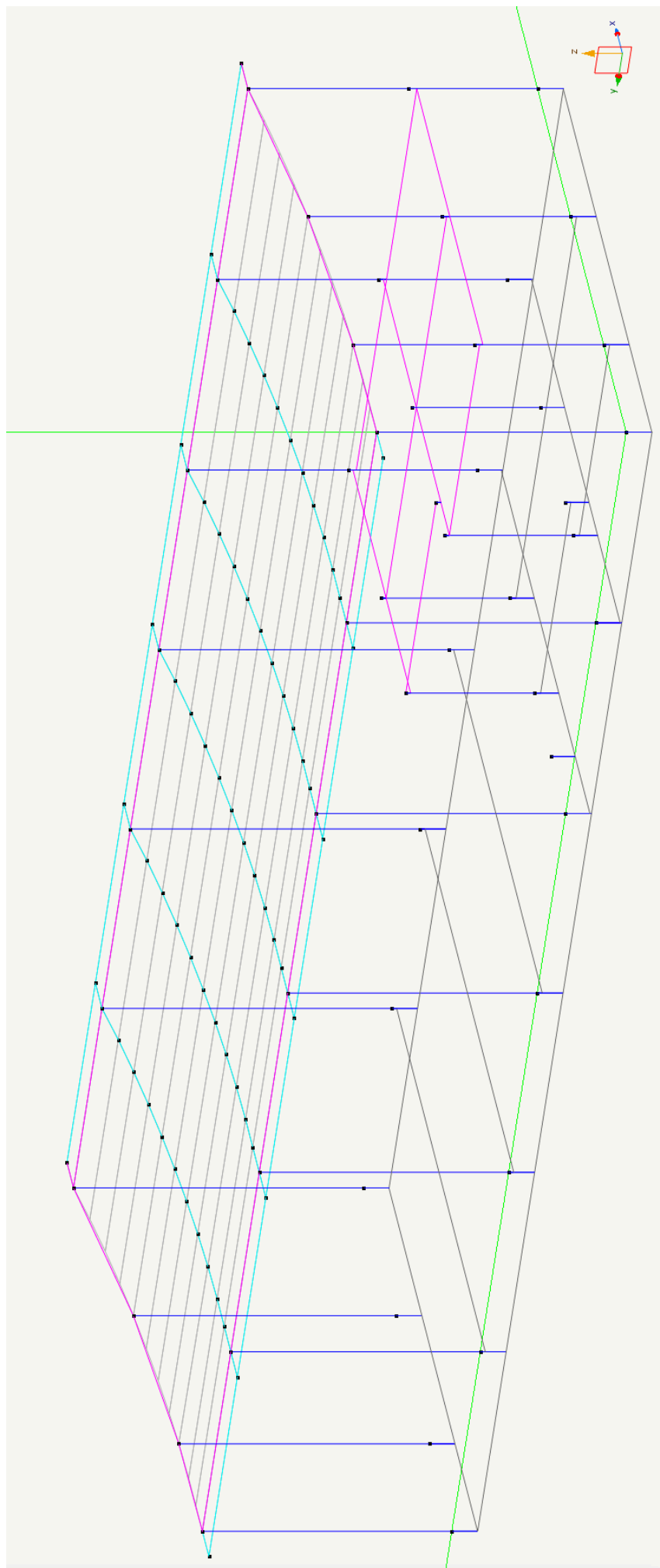


Verifica Nodi





Verifica Tensioni



Modello

Verifica Travi in Legno Lamellare

PSN va 1
VERIFICA TRAVI LEGNO LAMELLARE
All-In-One EWS 47 (29.11.2018) build 7317
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Elementi									
Elemento	Dal nodo	Al nodo	Offset estremo sinistro (cm)			Offset estremo destro (cm)			Lunghezza (cm)
			x	y	z	x	y	z	
12	18	130	0.00	0.00	0.00	0.00	0.00	0.00	100.00
13	33	131	0.00	0.00	0.00	0.00	0.00	0.00	100.00
14	49	132	0.00	0.00	0.00	0.00	0.00	0.00	100.00
15	64	133	0.00	0.00	0.00	0.00	0.00	0.00	100.00
16	79	116	0.00	0.00	0.00	0.00	0.00	0.00	100.00
162	90	80	0.00	0.00	0.00	0.00	0.00	0.00	109.01
163	78	90	0.00	0.00	0.00	-0.00	0.00	0.00	100.00
164	89	78	0.00	0.00	0.00	0.00	0.00	0.00	100.00
165	88	79	0.00	0.00	0.00	0.00	0.00	0.00	125.62
166	87	88	0.00	0.00	0.00	0.00	0.00	0.00	128.24
167	86	87	0.00	0.00	0.00	0.00	0.00	0.00	128.24
168	85	86	0.00	0.00	0.00	0.00	0.00	0.00	128.24
169	84	85	0.00	0.00	0.00	0.00	0.00	0.00	128.24
170	83	84	0.00	0.00	0.00	0.00	0.00	0.00	128.24
171	82	83	0.00	0.00	0.00	0.00	0.00	0.00	128.24
172	81	82	0.00	0.00	0.00	0.00	0.00	0.00	128.24
173	80	81	0.00	0.00	0.00	0.00	0.00	0.00	128.24
181	75	65	0.00	0.00	0.00	0.00	0.00	0.00	109.01
182	63	75	0.00	0.00	0.00	-0.00	0.00	0.00	100.00
183	74	63	0.00	0.00	0.00	0.00	0.00	0.00	100.00
184	73	64	0.00	0.00	0.00	0.00	0.00	0.00	125.62
185	72	73	0.00	0.00	0.00	0.00	0.00	0.00	128.24
186	71	72	0.00	0.00	0.00	0.00	0.00	0.00	128.24
187	70	71	0.00	0.00	0.00	0.00	0.00	0.00	128.24
188	69	70	0.00	0.00	0.00	0.00	0.00	0.00	128.24
189	68	69	0.00	0.00	0.00	0.00	0.00	0.00	128.24
190	67	68	0.00	0.00	0.00	0.00	0.00	0.00	128.24
191	66	67	0.00	0.00	0.00	0.00	0.00	0.00	128.24
192	65	66	0.00	0.00	0.00	0.00	0.00	0.00	128.24
200	60	50	0.00	0.00	0.00	0.00	0.00	0.00	109.01
201	48	60	0.00	0.00	0.00	-0.00	0.00	0.00	100.00
202	59	48	0.00	0.00	0.00	0.00	0.00	0.00	100.00
203	58	49	0.00	0.00	0.00	0.00	0.00	0.00	125.62
204	57	58	0.00	0.00	0.00	0.00	0.00	0.00	128.24
205	56	57	0.00	0.00	0.00	0.00	0.00	0.00	128.24
206	55	56	0.00	0.00	0.00	0.00	0.00	0.00	128.24
207	54	55	0.00	0.00	0.00	0.00	0.00	0.00	128.24
208	53	54	0.00	0.00	0.00	0.00	0.00	0.00	128.24
209	52	53	0.00	0.00	0.00	0.00	0.00	0.00	128.24
210	51	52	0.00	0.00	0.00	0.00	0.00	0.00	128.24
211	50	51	0.00	0.00	0.00	0.00	0.00	0.00	128.24
219	45	35	0.00	0.00	0.00	0.00	0.00	0.00	109.01
220	31	45	0.00	0.00	0.00	-0.00	0.00	0.00	100.00
222	44	31	0.00	0.00	0.00	0.00	0.00	0.00	100.00
223	43	33	0.00	0.00	0.00	0.00	0.00	0.00	125.62
224	42	43	0.00	0.00	0.00	0.00	0.00	0.00	128.24
225	41	42	0.00	0.00	0.00	0.00	0.00	0.00	128.24
226	40	41	0.00	0.00	0.00	0.00	0.00	0.00	128.24
227	39	40	0.00	0.00	0.00	0.00	0.00	0.00	128.24
228	38	39	0.00	0.00	0.00	0.00	0.00	0.00	128.24
229	37	38	0.00	0.00	0.00	0.00	0.00	0.00	128.24
230	36	37	0.00	0.00	0.00	0.00	0.00	0.00	128.24
231	35	36	0.00	0.00	0.00	0.00	0.00	0.00	128.24
237	30	14	0.00	0.00	0.00	0.00	0.00	0.00	109.01
238	2	30	0.00	0.00	0.00	-0.00	0.00	0.00	100.00
243	28	2	0.00	0.00	0.00	0.00	0.00	0.00	100.00
244	27	18	0.00	0.00	0.00	0.00	0.00	0.00	125.62
245	26	27	0.00	0.00	0.00	0.00	0.00	0.00	128.24
246	25	26	0.00	0.00	0.00	0.00	0.00	0.00	128.24
247	24	25	0.00	0.00	0.00	0.00	0.00	0.00	128.24
248	23	24	0.00	0.00	0.00	0.00	0.00	0.00	128.24
249	22	23	0.00	0.00	0.00	0.00	0.00	0.00	128.24
250	21	22	0.00	0.00	0.00	0.00	0.00	0.00	128.24
251	20	21	0.00	0.00	0.00	0.00	0.00	0.00	128.24
252	14	20	0.00	0.00	0.00	0.00	0.00	0.00	128.24

Sezioni			
Sezione rettangolare			
Elemento	Materiale	Altezza (cm)	Base (cm)
12	GL28h	40.00	22.00
13	GL28h	40.00	22.00
14	GL28h	40.00	22.00
15	GL28h	40.00	22.00
16	GL28h	40.00	22.00
162	GL28h	80.80	22.00
163		80.80	22.00
164	GL28h	40.00	22.00
165		80.80	22.00
166	GL28h	80.80	22.00
167	GL28h	80.80	22.00
168	GL28h	80.80	22.00
169	GL28h	80.80	22.00
170	GL28h	80.80	22.00
171	GL28h	80.80	22.00
172	GL28h	80.80	22.00
173	GL28h	80.80	22.00
181	GL28h	80.80	22.00
182		80.80	22.00
183	GL28h	40.00	22.00
184		80.80	22.00

185	GL28h	80.80	22.00
186	GL28h	80.80	22.00
187	GL28h	80.80	22.00
188	GL28h	80.80	22.00
189	GL28h	80.80	22.00
190	GL28h	80.80	22.00
191	GL28h	80.80	22.00
192	GL28h	80.80	22.00
200	GL28h	80.80	22.00
201		80.80	22.00
202	GL28h	40.00	22.00
203		80.80	22.00
204	GL28h	80.80	22.00
205	GL28h	80.80	22.00
206	GL28h	80.80	22.00
207	GL28h	80.80	22.00
208	GL28h	80.80	22.00
209	GL28h	80.80	22.00
210	GL28h	80.80	22.00
211	GL28h	80.80	22.00
219	GL28h	80.80	22.00
220		80.80	22.00
222	GL28h	40.00	22.00
223		80.80	22.00
224	GL28h	80.80	22.00
225	GL28h	80.80	22.00
226	GL28h	80.80	22.00
227	GL28h	80.80	22.00
228	GL28h	80.80	22.00
229	GL28h	80.80	22.00
230	GL28h	80.80	22.00
231	GL28h	80.80	22.00
237	GL28h	80.80	22.00
238		80.80	22.00
243	GL28h	40.00	22.00
244		80.80	22.00
245	GL28h	80.80	22.00
246	GL28h	80.80	22.00
247	GL28h	80.80	22.00
248	GL28h	80.80	22.00
249	GL28h	80.80	22.00
250	GL28h	80.80	22.00
251	GL28h	80.80	22.00
252	GL28h	80.80	22.00

Sollecitazioni agli estremi degli elementi						
Condizione "(1) Dinamica SLOh Y"						
Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcmm)	My (Nxcmm)	Mz (Nxcmm)
12	1.9348e+003	-8.0040e+002	-1.4039e+002	-4.0228e+003	8.7176e+004	4.7515e+004
	1.9348e+003	-8.0040e+002	-1.4039e+002	-4.0228e+003	7.3249e+004	-3.3478e+004
13	3.5727e+003	-1.5277e+003	5.1745e+001	7.6557e+002	8.2366e+004	1.0242e+005
	3.5727e+003	-1.5277e+003	5.1745e+001	7.6557e+002	7.9531e+004	-5.0442e+004
14	3.6316e+003	7.8366e+002	-1.1732e+002	2.1931e+003	8.6571e+004	-5.6110e+004
	3.6316e+003	7.8366e+002	-1.1732e+002	2.1931e+003	7.6008e+004	2.2468e+004
15	-2.2270e+003	1.3355e+002	-4.8856e+001	5.7742e+002	8.2747e+004	-8.8679e+003
	-2.2270e+003	1.3355e+002	-4.8856e+001	5.7742e+002	7.7890e+004	5.4608e+003
16	-3.1086e+003	-3.4904e+002	-1.4805e+002	7.3228e+002	8.5518e+004	2.9490e+004
	-3.1086e+003	-3.4904e+002	-1.4805e+002	7.3228e+002	7.0727e+004	-5.5313e+003
162	-2.2646e+003	2.1211e+002	1.7714e+002	8.8620e+002	-1.2352e+004	-1.9184e+004
	-2.2646e+003	2.1211e+002	1.7714e+002	8.8620e+002	7.1761e+003	1.4594e+004
163	0.0000e+000	3.6490e+002	2.1924e+002	-3.4358e+003	-7.7772e+003	0.0000e+000
	0.0000e+000	3.6490e+002	2.1924e+002	-3.4358e+003	1.4290e+004	3.6490e+004
164	1.0923e+003	-5.8917e+000	3.6974e+001	9.8132e+002	-2.1154e+003	-1.4223e+004
	1.0923e+003	-5.8917e+000	3.6974e+001	9.8132e+002	1.6037e+003	-1.4802e+004
165	-5.7924e+003	-1.1629e+003	1.1456e+002	5.4402e+004	3.2692e+004	1.4609e+005
	-5.7924e+003	-1.1629e+003	1.1456e+002	5.4402e+004	4.5961e+004	0.0000e+000
166	-3.5425e+003	-2.6518e+003	-1.6349e+002	1.5005e+004	-2.3206e+004	1.1348e+005
	-3.5425e+003	-2.6518e+003	-1.6349e+002	1.5005e+004	-4.3097e+004	-2.2714e+005
167	-4.8403e+003	-2.0537e+003	6.3818e+001	1.1632e+004	1.3758e+004	8.5784e+004
	-4.8403e+003	-2.0537e+003	6.3818e+001	1.1632e+004	8.7570e+003	-1.7926e+005
168	-5.6874e+003	-1.4311e+003	-1.2154e+002	8.3742e+003	-5.5590e+003	5.4815e+004
	-5.6874e+003	-1.4311e+003	-1.2154e+002	8.3742e+003	-1.9960e+004	-1.3141e+005
169	-6.0635e+003	-1.0239e+003	-7.4411e+001	6.2401e+003	5.7797e+003	3.9036e+004
	-6.0635e+003	-1.0239e+003	-7.4411e+001	6.2401e+003	-3.8600e+003	-9.9567e+004
170	-6.2182e+003	-7.0851e+002	-8.2429e+001	4.7201e+003	-2.9822e+003	2.9179e+004
	-6.2182e+003	-7.0851e+002	-8.2429e+001	4.7201e+003	-1.0289e+004	-7.5946e+004
171	-6.3239e+003	-4.5530e+002	-5.5645e+001	3.6346e+003	3.2716e+003	-2.3701e+004
	-6.3239e+003	-4.5530e+002	-5.5645e+001	3.6346e+003	-4.4808e+003	-5.8089e+004
172	-6.2499e+003	-2.0612e+002	-5.0421e+001	2.5437e+003	-5.4743e+003	-1.7364e+004
	-6.2499e+003	-2.0612e+002	-5.0421e+001	2.5437e+003	-4.2792e+003	-4.1328e+004
173	-5.2832e+003	-8.2891e+001	1.0814e+002	1.7489e+003	-9.8792e+003	-1.8992e+004
	-5.2832e+003	-8.2891e+001	1.0814e+002	1.7489e+003	4.1242e+003	-2.6966e+004
181	1.8146e+003	7.6752e+001	-1.3949e+002	-1.8147e+003	5.2212e+003	-1.1407e+004
	1.8146e+003	7.6752e+001	-1.3949e+002	-1.8147e+003	-1.0028e+004	1.9037e+004
182	0.0000e+000	-5.4351e+002	-1.7670e+002	-1.5254e+004	1.1437e+004	0.0000e+000
	0.0000e+000	-5.4351e+002	-1.7670e+002	-1.5254e+004	-6.2551e+003	-5.4351e+004
183	1.4655e+003	4.3822e+000	-3.4191e+001	8.1910e+002	1.1869e+003	-2.5656e+003

	1.4655e+003	4.3822e+000	-3.4191e+001	8.1910e+002	-2.2483e+003	-2.1313e+003
184	-1.3720e+003	-1.3778e+003	2.8729e+002	7.1320e+004	2.5263e+004	1.7308e+005
	-1.3720e+003	-1.3778e+003	2.8729e+002	7.1320e+004	6.1293e+004	0.0000e+000
185	-1.7406e+003	-3.2447e+001	-2.6699e+001	1.1020e+004	-3.2981e+004	5.2158e+004
	-1.7406e+003	-3.2447e+001	-2.6699e+001	1.1020e+004	-3.0812e+004	5.1339e+004
186	3.2477e+002	-2.7390e+001	1.1278e+002	8.1629e+003	5.1252e+003	6.4820e+004
	3.2477e+002	-2.7390e+001	1.1278e+002	8.1629e+003	1.9358e+004	6.3408e+004
187	6.0273e+002	-2.9118e+001	2.9255e+001	5.6001e+003	-1.2529e+004	7.3199e+004
	6.0273e+002	-2.9118e+001	2.9255e+001	5.6001e+003	-9.6509e+003	7.0526e+004
188	5.1470e+002	-4.0087e+001	4.2130e+001	3.7645e+003	1.1399e+003	7.8336e+004
	5.1470e+002	-4.0087e+001	4.2130e+001	3.7645e+003	5.0949e+003	7.3930e+004
189	7.4215e+002	-4.6532e+001	-1.9510e+001	2.1531e+003	-4.0573e+003	7.8346e+004
	7.4215e+002	-4.6532e+001	-1.9510e+001	2.1531e+003	-4.6868e+003	7.4158e+004
190	9.1824e+002	-4.8361e+001	-2.7186e+001	8.1647e+002	1.5545e+003	7.2283e+004
	9.1824e+002	-4.8361e+001	-2.7186e+001	8.1647e+002	-1.9626e+003	6.9274e+004
191	7.7110e+002	-4.4411e+001	-6.2525e+001	-4.9425e+002	2.3494e+003	5.9135e+004
	7.7110e+002	-4.4411e+001	-6.2525e+001	-4.9425e+002	-5.8375e+003	5.8862e+004
192	1.3271e+003	5.3617e+001	-9.6743e+001	-1.7269e+003	4.9233e+003	3.6696e+004
	1.3271e+003	5.3617e+001	-9.6743e+001	-1.7269e+003	-7.5157e+003	4.2255e+004
200	3.9129e+003	4.2755e+001	1.0705e+002	-6.4204e+002	-8.3937e+003	1.0610e+005
	3.9129e+003	4.2755e+001	1.0705e+002	-6.4204e+002	3.3610e+003	1.0661e+005
201	0.0000e+000	1.8480e+003	1.5570e+002	-4.3872e+003	-5.0997e+003	0.0000e+000
	0.0000e+000	1.8480e+003	1.5570e+002	-4.3872e+003	1.0520e+004	1.8480e+005
202	1.5262e+003	-5.9729e+001	1.6247e+001	7.5032e+002	-9.1875e+002	1.8140e+004
	1.5262e+003	-5.9729e+001	1.6247e+001	7.5032e+002	7.4531e+002	1.2174e+004
203	3.2126e+003	-1.4080e+003	1.6680e+002	7.6635e+004	3.3452e+004	1.7688e+005
	3.2126e+003	-1.4080e+003	1.6680e+002	7.6635e+004	5.3801e+004	0.0000e+000
204	-2.0642e+003	1.0597e+002	-9.2852e+001	1.2135e+004	-2.6184e+004	4.8217e+004
	-2.0642e+003	1.0597e+002	-9.2852e+001	1.2135e+004	-3.7928e+004	4.2224e+004
205	5.7501e+002	7.5440e+001	3.3391e+001	9.4615e+003	1.0816e+004	6.2574e+004
	5.7501e+002	7.5440e+001	3.3391e+001	9.4615e+003	1.4302e+004	5.8381e+004
206	1.0271e+003	5.7020e+001	-5.2459e+001	7.1004e+003	-7.8616e+003	7.4476e+004
	1.0271e+003	5.7020e+001	-5.2459e+001	7.1004e+003	-1.3792e+004	7.4306e+004
207	1.1365e+003	6.5034e+001	-2.9075e+001	5.4209e+003	4.0246e+003	8.2660e+004
	1.1365e+003	6.5034e+001	-2.9075e+001	5.4209e+003	2.7531e+003	8.7379e+004
208	1.6111e+003	9.0061e+001	-3.9882e+001	3.9393e+003	-2.3835e+003	8.6824e+004
	1.6111e+003	9.0061e+001	-3.9882e+001	3.9393e+003	-6.0876e+003	9.6376e+004
209	2.3077e+003	1.1188e+002	-2.4500e+001	2.6901e+003	1.5350e+003	8.8000e+004
	2.3077e+003	1.1188e+002	-2.4500e+001	2.6901e+003	-1.6286e+003	1.0123e+005
210	2.9195e+003	1.1824e+002	-1.9647e+001	1.4395e+003	-2.1548e+003	8.8542e+004
	2.9195e+003	1.1824e+002	-1.9647e+001	1.4395e+003	-1.9235e+003	1.0329e+005
211	4.3829e+003	1.0875e+002	4.6781e+001	2.1451e+002	-4.7073e+003	9.1439e+004
	4.3829e+003	1.0875e+002	4.6781e+001	2.1451e+002	-1.4758e+003	1.0524e+005
219	3.9174e+003	8.3523e+002	-2.4024e+002	-1.2252e+004	8.0276e+003	-1.1632e+005
	3.9174e+003	8.3523e+002	-2.4024e+002	-1.2252e+004	-1.8179e+004	-3.2537e+004
220	0.0000e+000	-2.6575e+003	-3.3330e+002	-7.6970e+004	2.0196e+004	0.0000e+000
	0.0000e+000	-2.6575e+003	-3.3330e+002	-7.6970e+004	-1.3141e+004	-2.6575e+005
222	1.1270e+003	-1.8008e+002	5.7598e+000	1.1540e+003	8.9548e+002	2.2041e+004
	1.1270e+003	-1.8008e+002	5.7598e+000	1.1540e+003	7.2305e+002	1.0448e+004
223	3.7583e+003	-1.0475e+003	3.5781e+002	5.7788e+004	2.0482e+004	1.3159e+005
	3.7583e+003	-1.0475e+003	3.5781e+002	5.7788e+004	6.4279e+004	0.0000e+000
224	-2.1815e+003	-1.3558e+002	9.3466e+001	9.3131e+003	-3.8341e+004	6.8739e+004
	-2.1815e+003	-1.3558e+002	9.3466e+001	9.3131e+003	-2.8409e+004	5.4252e+004
225	-9.5402e+002	7.8168e+001	1.7235e+002	6.0460e+003	2.5337e+003	8.6118e+004
	-9.5402e+002	7.8168e+001	1.7235e+002	6.0460e+003	2.2170e+004	8.0158e+004
226	-8.8639e+002	7.1851e+001	7.1893e+001	2.8698e+003	-1.6783e+004	9.3471e+004
	-8.8639e+002	7.1851e+001	7.1893e+001	2.8698e+003	-8.4387e+003	9.5845e+004
227	-6.4569e+002	1.3426e+002	8.3743e+001	-9.6466e+002	-4.6451e+003	8.9592e+004
	-6.4569e+002	1.3426e+002	8.3743e+001	-9.6466e+002	6.1278e+003	1.0134e+005
228	1.2078e+003	2.2840e+002	-3.2005e+001	-3.2836e+003	-7.9105e+003	7.5596e+004
	1.2078e+003	2.2840e+002	-3.2005e+001	-3.2836e+003	-5.3097e+003	9.6192e+004
229	2.0042e+003	3.4401e+002	-2.3846e+001	-6.2857e+003	-3.1881e+003	5.6353e+004
	2.0042e+003	3.4401e+002	-2.3846e+001	-6.2857e+003	-3.8456e+003	8.1954e+004
230	2.8399e+003	4.8170e+002	-7.0448e+001	-9.7012e+003	-1.4946e+003	-4.9762e+004
	2.8399e+003	4.8170e+002	-7.0448e+001	-9.7012e+003	-9.4007e+003	6.1277e+004
231	4.6975e+003	6.7843e+002	-1.1926e+002	-1.3711e+004	1.9791e+003	-7.9522e+004
	4.6975e+003	6.7843e+002	-1.1926e+002	-1.3711e+004	-1.3699e+004	3.8486e+004
237	3.9439e+003	-1.1478e+003	-8.2315e+001	-9.8910e+003	-8.4227e+003	6.2448e+004
	3.9439e+003	-1.1478e+003	-8.2315e+001	-9.8910e+003	-6.8748e+003	-6.8511e+004
238	0.0000e+000	-2.1108e+003	-8.9820e+001	-4.9122e+004	6.0225e+003	0.0000e+000
	0.0000e+000	-2.1108e+003	-8.9820e+001	-4.9122e+004	-6.8289e+003	-2.1108e+005
243	5.2441e+002	-4.6867e+002	4.2055e+001	1.0130e+003	1.0249e+003	2.0387e+004
	5.2441e+002	-4.6867e+002	4.2055e+001	1.0130e+003	3.4213e+003	-2.6758e+004
244	3.4643e+003	2.5751e+002	1.5939e+002	5.8813e+004	3.0781e+004	-3.2349e+004
	3.4643e+003	2.5751e+002	1.5939e+002	5.8813e+004	4.9149e+004	0.0000e+000
245	3.7218e+003	1.3443e+003	-1.0613e+002	9.9923e+003	-2.8319e+004	-3.9221e+004

	3.7218e+003	1.3443e+003	-1.0613e+002	9.9923e+003	-4.0526e+004	1.4161e+005
246	4.9881e+003	8.4477e+002	7.0159e+001	6.6319e+003	7.6912e+003	3.3271e+004
	4.9881e+003	8.4477e+002	7.0159e+001	6.6319e+003	1.3618e+004	1.2669e+005
247	6.0148e+003	3.2888e+002	-4.8653e+001	3.2360e+003	-1.4014e+004	6.6616e+004
	6.0148e+003	3.2888e+002	-4.8653e+001	3.2360e+003	-1.4410e+004	1.0423e+005
248	6.5971e+003	-3.1431e+002	5.5914e+001	-1.0062e+003	-4.0882e+003	1.0311e+005
	6.5971e+003	-3.1431e+002	5.5914e+001	-1.0062e+003	-3.1746e+003	8.2123e+004
249	6.9451e+003	-8.4813e+002	-5.7749e+001	-3.6926e+003	-9.7322e+003	1.3863e+005
	6.9451e+003	-8.4813e+002	-5.7749e+001	-3.6926e+003	-7.8151e+003	5.3094e+004
250	6.9693e+003	-1.3924e+003	-6.8892e+001	-6.8945e+003	-8.3130e+003	1.6746e+005
	6.9693e+003	-1.3924e+003	-6.8892e+001	-6.8945e+003	-4.2670e+003	-4.7713e+004
251	6.3983e+003	-1.9260e+003	-7.6393e+001	-1.0205e+004	-1.0327e+004	1.8677e+005
	6.3983e+003	-1.9260e+003	-7.6393e+001	-1.0205e+004	-5.6436e+003	-7.7284e+004
252	6.1652e+003	-2.8460e+003	-6.6216e+001	-1.5438e+004	-1.1686e+004	2.3394e+005
	6.1652e+003	-2.8460e+003	-6.6216e+001	-1.5438e+004	-7.1208e+003	-1.4061e+005

Condizione "(1) Dinamica SLOH X"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
12	1.0133e+003	7.8638e+002	-3.4109e+001	6.0107e+003	1.3441e+004	-4.9029e+004
	1.0133e+003	7.8638e+002	-3.4109e+001	6.0107e+003	1.0699e+004	3.2705e+004
13	3.7866e+003	-1.8644e+003	-2.4487e+001	1.7521e+003	1.2181e+004	1.2053e+005
	3.7866e+003	-1.8644e+003	-2.4487e+001	1.7521e+003	1.0893e+004	-6.6138e+004
14	4.6817e+003	9.5182e+002	-2.8143e+001	2.3903e+003	1.1329e+004	-6.8420e+004
	4.6817e+003	9.5182e+002	-2.8143e+001	2.3903e+003	1.0515e+004	2.7245e+004
15	2.6127e+003	1.9346e+002	-1.1236e+001	-1.0136e+003	1.0775e+004	-8.5192e+003
	2.6127e+003	1.9346e+002	-1.1236e+001	-1.0136e+003	1.0272e+004	1.1586e+004
16	-6.6914e+002	1.1859e+003	3.3299e+001	-3.9262e+003	-1.1905e+004	-9.2525e+004
	-6.6914e+002	1.1859e+003	3.3299e+001	-3.9262e+003	-9.3654e+003	2.6066e+004
162	-1.5790e+003	-4.8098e+002	3.3689e+002	1.8395e+003	-1.8354e+004	-5.8394e+004
	-1.5790e+003	-4.8098e+002	3.3689e+002	1.8395e+003	1.8380e+004	-1.0958e+005
163	0.0000e+000	-5.7328e+001	3.1914e+002	1.4293e+004	-1.8138e+004	0.0000e+000
	0.0000e+000	-5.7328e+001	3.1914e+002	1.4293e+004	1.3803e+004	-5.7328e+003
164	-3.5819e+003	-3.7638e+000	1.5638e+001	-2.6022e+003	-1.7802e+003	4.9195e+003
	-3.5819e+003	-3.7638e+000	1.5638e+001	-2.6022e+003	-4.6138e+002	4.6066e+003
165	-3.1466e+003	5.8620e+002	1.6744e+002	6.9506e+003	-1.3185e+004	-7.3639e+004
	-3.1466e+003	5.8620e+002	1.6744e+002	6.9506e+003	1.0000e+004	0.0000e+000
166	1.0815e+003	3.6366e+002	2.5227e+002	3.0461e+003	-1.5421e+004	-7.4325e+004
	1.0815e+003	3.6366e+002	2.5227e+002	3.0461e+003	1.7845e+004	-6.0414e+004
167	6.9312e+002	3.5230e+002	2.8736e+002	1.8970e+003	-1.7698e+004	-1.1484e+005
	6.9312e+002	3.5230e+002	2.8736e+002	1.8970e+003	1.9252e+004	-8.6021e+004
168	7.5572e+002	-3.8770e+002	3.0804e+002	2.7617e+003	-1.9506e+004	-9.2519e+004
	7.5572e+002	-3.8770e+002	3.0804e+002	2.7617e+003	2.0109e+004	-1.3659e+005
169	-9.5149e+002	-2.7352e+002	3.3215e+002	3.1804e+003	-2.1410e+004	-1.4244e+005
	-9.5149e+002	-2.7352e+002	3.3215e+002	3.1804e+003	2.1188e+004	-1.7297e+005
170	-1.0664e+003	2.8472e+002	3.5605e+002	6.7780e+002	-2.3371e+004	-1.8217e+005
	-1.0664e+003	2.8472e+002	3.5605e+002	6.7780e+002	2.2311e+004	-1.4803e+005
171	-9.2860e+002	1.6141e+002	3.5796e+002	-5.3270e+002	-2.2970e+004	-1.8201e+005
	-9.2860e+002	1.6141e+002	3.5796e+002	-5.3270e+002	2.2937e+004	-1.6361e+005
172	-1.1046e+003	-5.9335e+002	3.3865e+002	1.9215e+003	-2.1992e+004	-1.0999e+005
	-1.1046e+003	-5.9335e+002	3.3865e+002	1.9215e+003	2.1448e+004	-1.8542e+005
173	-1.4926e+003	-6.2346e+002	3.1020e+002	2.6005e+003	-2.1424e+004	-9.0978e+004
	-1.4926e+003	-6.2346e+002	3.1020e+002	2.6005e+003	1.8362e+004	-1.7022e+005
181	-2.7573e+003	-4.0561e+002	9.3102e+001	-6.0346e+002	-4.9004e+003	-5.5902e+004
	-2.7573e+003	-4.0561e+002	9.3102e+001	-6.0346e+002	5.2757e+003	-1.0009e+005
182	0.0000e+000	-5.9634e+002	8.6803e+001	-4.4571e+003	-5.7314e+003	0.0000e+000
	0.0000e+000	-5.9634e+002	8.6803e+001	-4.4571e+003	3.2055e+003	-5.9634e+004
183	-5.1235e+003	-7.3199e+000	6.7319e+000	-2.6587e+003	-7.5276e+002	4.0826e+003
	-5.1235e+003	-7.3199e+000	6.7319e+000	-2.6587e+003	-3.9027e+002	3.3588e+003
184	2.6107e+003	4.5566e+002	1.2680e+002	-8.9980e+003	-6.4381e+003	-5.7241e+004
	2.6107e+003	4.5566e+002	1.2680e+002	-8.9980e+003	1.2034e+004	0.0000e+000
185	4.6863e+003	-6.3824e+001	1.1306e+002	1.6602e+003	-8.2700e+003	-9.2155e+004
	4.6863e+003	-6.3824e+001	1.1306e+002	1.6602e+003	8.1468e+003	-8.5450e+004
186	2.3262e+003	-3.4265e+001	1.2068e+002	1.2528e+003	-7.1939e+003	-1.3359e+005
	2.3262e+003	-3.4265e+001	1.2068e+002	1.2528e+003	8.5680e+003	-1.3531e+005
187	1.9802e+003	-5.4258e+001	1.2814e+002	9.4319e+002	-8.6491e+003	-1.6413e+005
	1.9802e+003	-5.4258e+001	1.2814e+002	9.4319e+002	8.0036e+003	-1.7030e+005
188	7.5801e+002	-5.0961e+001	1.3495e+002	6.2400e+002	-8.5883e+003	-1.8843e+005
	7.5801e+002	-5.0961e+001	1.3495e+002	6.2400e+002	8.7361e+003	-1.9454e+005
189	5.0848e+002	-1.4681e+002	1.3551e+002	3.9993e+002	-9.1068e+003	-1.9220e+005
	5.0848e+002	-1.4681e+002	1.3551e+002	3.9993e+002	8.3074e+003	-2.1093e+005
190	-2.6498e+002	-2.2625e+002	1.2974e+002	3.9955e+002	-8.3528e+003	-1.7697e+005
	-2.6498e+002	-2.2625e+002	1.2974e+002	3.9955e+002	8.2871e+003	-2.0592e+005
191	-6.7475e+002	-2.8815e+002	1.1292e+002	4.4008e+002	-7.4499e+003	-1.4765e+005
	-6.7475e+002	-2.8815e+002	1.1292e+002	4.4008e+002	7.0437e+003	-1.8455e+005
192	-2.3440e+003	-3.3198e+002	9.8955e+001	-6.7917e+002	-6.9602e+003	-1.0635e+005
	-2.3440e+003	-3.3198e+002	9.8955e+001	-6.7917e+002	5.7575e+003	-1.4889e+005
200	-2.7667e+003	-2.2547e+002	-3.0425e+001	-5.6594e+002	1.9220e+003	-6.9091e+004

	-2.7667e+003	-2.2547e+002	-3.0425e+001	-5.6594e+002	-1.4602e+003	-9.2916e+004
201	0.0000e+000	-3.7802e+002	-2.2671e+001	-1.9584e+003	-9.3156e+002	0.0000e+000
	0.0000e+000	-3.7802e+002	-2.2671e+001	-1.9584e+003	-1.6737e+003	-3.7802e+004
202	-5.2755e+003	4.1104e+001	4.2908e+000	-2.2503e+003	6.5483e+002	-6.9261e+003
	-5.2755e+003	4.1104e+001	4.2908e+000	-2.2503e+003	9.1254e+002	-3.0588e+003
203	5.5179e+003	3.8962e+002	4.9245e+001	9.6000e+003	6.2719e+003	-4.8945e+004
	5.5179e+003	3.8962e+002	4.9245e+001	9.6000e+003	7.0049e+003	0.0000e+000
204	5.2468e+003	2.2750e+002	5.8255e+001	-1.5184e+003	-4.2275e+003	-1.0426e+005
	5.2468e+003	2.2750e+002	5.8255e+001	-1.5184e+003	-6.9049e+003	-7.6376e+004
205	2.5770e+003	1.6207e+002	5.5907e+001	-1.1810e+003	-4.3615e+003	-1.5562e+005
	2.5770e+003	1.6207e+002	5.5907e+001	-1.1810e+003	3.6101e+003	-1.3589e+005
206	2.5773e+003	1.1559e+002	5.5689e+001	-8.9270e+002	-3.2256e+003	-1.9474e+005
	2.5773e+003	1.1559e+002	5.5689e+001	-8.9270e+002	4.4484e+003	-1.8066e+005
207	1.3832e+003	-5.9482e+001	5.3886e+001	-7.1242e+002	-3.8425e+003	-2.1857e+005
	1.3832e+003	-5.9482e+001	5.3886e+001	-7.1242e+002	3.1347e+003	-2.1179e+005
208	1.1479e+003	-2.8165e+001	5.1276e+001	-5.7791e+002	-2.9700e+003	-2.2366e+005
	1.1479e+003	-2.8165e+001	5.1276e+001	-5.7791e+002	3.6909e+003	-2.2620e+005
209	-5.4091e+002	-7.9049e+001	4.7310e+001	-5.0621e+002	-3.2954e+003	-2.1066e+005
	-5.4091e+002	-7.9049e+001	4.7310e+001	-5.0621e+002	2.7821e+003	-2.2067e+005
210	-8.5735e+002	-1.2458e+002	3.9638e+001	-4.9897e+002	-2.3798e+003	-1.8036e+005
	-8.5735e+002	-1.2458e+002	3.9638e+001	-4.9897e+002	2.7389e+003	-1.9624e+005
211	-2.4158e+003	-1.9476e+002	3.4244e+001	-5.8729e+002	2.2220e+003	-1.2943e+005
	-2.4158e+003	-1.9476e+002	3.4244e+001	-5.8729e+002	2.2001e+003	-1.5426e+005
219	-3.1465e+003	-1.4949e+002	-1.7757e+002	2.3391e+003	8.8980e+003	-8.5572e+004
	-3.1465e+003	-1.4949e+002	-1.7757e+002	2.3391e+003	-1.0488e+004	-9.4479e+004
220	0.0000e+000	-8.6789e+002	-1.7529e+002	1.4894e+004	9.5472e+003	0.0000e+000
	0.0000e+000	-8.6789e+002	-1.7529e+002	1.4894e+004	-8.0695e+003	-8.6789e+004
222	-4.3710e+003	1.0031e+003	-1.1638e+001	1.3964e+003	1.9166e+003	-4.3592e+004
	-4.3710e+003	1.0031e+003	-1.1638e+001	1.3964e+003	9.2291e+002	5.6928e+004
223	5.3212e+003	6.2124e+002	-1.2490e+002	9.4578e+003	9.0297e+003	-7.8041e+004
	5.3212e+003	6.2124e+002	-1.2490e+002	9.4578e+003	-1.1332e+004	0.0000e+000
224	5.4910e+003	8.9412e+001	-1.2867e+002	-1.9455e+003	7.8041e+003	-1.1571e+005
	5.4910e+003	8.9412e+001	-1.2867e+002	-1.9455e+003	-1.1590e+004	-1.0627e+005
225	3.2448e+003	6.1281e+001	-1.3284e+002	-1.6681e+003	8.9873e+003	-1.6238e+005
	3.2448e+003	6.1281e+001	-1.3284e+002	-1.6681e+003	-8.3728e+003	-1.5696e+005
226	3.0576e+003	6.7296e+001	-1.4680e+002	-1.5434e+003	8.4184e+003	-1.9811e+005
	3.0576e+003	6.7296e+001	-1.4680e+002	-1.5434e+003	-1.0754e+004	-1.9146e+005
227	1.4193e+003	-3.4076e+001	-1.4982e+002	-1.4887e+003	1.0079e+004	-2.1343e+005
	1.4193e+003	-3.4076e+001	-1.4982e+002	-1.4887e+003	-9.1465e+003	-2.1437e+005
228	-1.2952e+003	-5.6538e+001	-1.5705e+002	-1.4529e+003	9.4931e+003	-2.1172e+005
	-1.2952e+003	-5.6538e+001	-1.5705e+002	-1.4529e+003	-1.0733e+004	-2.1617e+005
229	-8.6588e+002	-6.7869e+001	-1.5765e+002	1.6615e+003	1.0211e+004	-1.9672e+005
	-8.6588e+002	-6.7869e+001	-1.5765e+002	1.6615e+003	-1.0022e+004	-2.0165e+005
230	-1.1166e+003	-6.6814e+001	-1.6122e+002	2.1065e+003	9.4419e+003	-1.7447e+005
	-1.1166e+003	-6.6814e+001	-1.6122e+002	2.1065e+003	-1.1271e+004	-1.7677e+005
231	-2.7615e+003	-1.3366e+002	-1.4452e+002	2.6951e+003	9.5065e+003	-1.3395e+005
	-2.7615e+003	-1.3366e+002	-1.4452e+002	2.6951e+003	-9.1128e+003	-1.4457e+005
237	-2.4696e+003	5.1336e+002	-2.5802e+002	1.3887e+003	1.3515e+004	2.0868e+004
	-2.4696e+003	5.1336e+002	-2.5802e+002	1.3887e+003	-1.4711e+004	7.0850e+004
238	0.0000e+000	4.3247e+002	-2.5027e+002	8.4890e+003	1.4827e+004	0.0000e+000
	0.0000e+000	4.3247e+002	-2.5027e+002	8.4890e+003	-1.0308e+004	4.3247e+004
243	-2.8885e+003	2.2028e+003	-2.2454e+001	8.0950e+003	1.9539e+003	-7.9210e+004
	-2.8885e+003	2.2028e+003	-2.2454e+001	8.0950e+003	-2.1615e+003	1.4107e+005
244	-1.0336e+003	3.0742e+002	-2.0471e+002	-1.1558e+004	1.7574e+004	-3.8619e+004
	-1.0336e+003	3.0742e+002	-2.0471e+002	-1.1558e+004	-1.2301e+004	0.0000e+000
245	2.6604e+003	2.5578e+002	-2.8446e+002	-2.5630e+003	1.5008e+004	-7.3606e+004
	2.6604e+003	2.5578e+002	-2.8446e+002	-2.5630e+003	-2.2772e+004	-6.9581e+004
246	2.6816e+003	2.2335e+002	-3.0023e+002	-2.2728e+003	1.9642e+004	-9.4831e+004
	2.6816e+003	2.2335e+002	-3.0023e+002	-2.2728e+003	-1.8962e+004	-8.7581e+004
247	-3.3379e+003	-3.7411e+002	-3.0804e+002	-3.5307e+003	1.7755e+004	7.4383e+004
	-3.3379e+003	-3.7411e+002	-3.0804e+002	-3.5307e+003	-2.1967e+004	-1.1641e+005
248	-2.8210e+003	-4.1949e+002	-3.3292e+002	-2.2984e+003	2.2016e+004	-9.3137e+004
	-2.8210e+003	-4.1949e+002	-3.3292e+002	-2.2984e+003	-2.0680e+004	-1.4196e+005
249	-3.6069e+003	2.7284e+002	-3.4560e+002	1.1323e+003	2.1363e+004	-1.1529e+005
	-3.6069e+003	2.7284e+002	-3.4560e+002	1.1323e+003	-2.3048e+004	1.0562e+005
250	-4.0272e+003	2.8903e+002	-3.1990e+002	1.3056e+003	2.0109e+004	-1.1398e+005
	-4.0272e+003	2.8903e+002	-3.1990e+002	1.3056e+003	-2.0953e+004	1.1028e+005
251	-4.0698e+003	-6.0753e+002	-2.5728e+002	-3.0787e+003	1.5363e+004	7.2357e+004
	-4.0698e+003	-6.0753e+002	-2.5728e+002	-3.0787e+003	-1.7883e+004	-1.2967e+005
252	-2.8422e+003	-8.2851e+002	-2.4154e+002	-2.9014e+003	1.6348e+004	6.9135e+004
	-2.8422e+003	-8.2851e+002	-2.4154e+002	-2.9014e+003	-1.4742e+004	-1.4581e+005

Condizione "(1) Dinamica SLVh Y"						
Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
12	5.0020e+003	-2.0935e+003	-3.6736e+002	-1.0532e+004	2.2859e+005	1.2441e+005
	5.0020e+003	-2.0935e+003	-3.6736e+002	-1.0532e+004	1.9212e+005	-8.7430e+004
13	8.9787e+003	-3.9964e+003	1.3086e+002	1.9942e+003	2.1601e+005	2.6783e+005

	8.9787e+003	-3.9964e+003	1.3086e+002	1.9942e+003	2.0871e+005	-1.3205e+005
14	9.1177e+003	2.0471e+003	-3.0618e+002	5.7152e+003	2.2726e+005	-1.4674e+005
	9.1177e+003	2.0471e+003	-3.0618e+002	5.7152e+003	1.9945e+005	5.8487e+004
15	-5.7272e+003	3.4852e+002	-1.2824e+002	1.4991e+003	2.1723e+005	-2.3180e+004
	-5.7272e+003	3.4852e+002	-1.2824e+002	1.4991e+003	2.0447e+005	1.4241e+004
16	-8.1454e+003	-9.1636e+002	-3.8868e+002	1.9198e+003	2.2451e+005	7.7423e+004
	-8.1454e+003	-9.1636e+002	-3.8868e+002	1.9198e+003	1.8568e+005	-1.4522e+004
162	-5.9409e+003	5.5503e+002	4.6389e+002	2.3069e+003	-3.2394e+004	-5.0262e+004
	-5.9409e+003	5.5503e+002	4.6389e+002	2.3069e+003	1.8726e+004	3.8168e+004
163	0.0000e+000	9.5726e+002	5.7466e+002	-9.0058e+003	-2.0351e+004	0.0000e+000
	0.0000e+000	9.5726e+002	5.7466e+002	-9.0058e+003	3.7481e+004	9.5726e+004
164	2.8655e+003	-1.5463e+001	9.6923e+001	2.5754e+003	-5.5488e+003	-3.7338e+004
	2.8655e+003	-1.5463e+001	9.6923e+001	2.5754e+003	4.1992e+003	-3.8858e+004
165	-1.5205e+004	-3.0529e+003	2.9974e+002	1.4283e+005	8.5813e+004	3.8351e+005
	-1.5205e+004	-3.0529e+003	2.9974e+002	1.4283e+005	1.2066e+005	0.0000e+000
166	-9.2831e+003	-6.9619e+003	-4.2836e+002	3.9394e+004	-6.0906e+004	2.9790e+005
	-9.2831e+003	-6.9619e+003	-4.2836e+002	3.9394e+004	-1.1313e+005	-5.9634e+005
167	-1.2689e+004	-5.3918e+003	1.6592e+002	3.0538e+004	3.6081e+004	2.2515e+005
	-1.2689e+004	-5.3918e+003	1.6592e+002	3.0538e+004	2.2945e+004	-4.7063e+005
168	-1.4889e+004	-3.7570e+003	-3.1884e+002	2.1986e+004	-1.4591e+004	1.4380e+005
	-1.4889e+004	-3.7570e+003	-3.1884e+002	2.1986e+004	-5.2382e+004	-3.4498e+005
169	-1.5899e+004	-2.6881e+003	-1.9521e+002	1.6383e+004	1.5161e+004	1.0232e+005
	-1.5899e+004	-2.6881e+003	-1.9521e+002	1.6383e+004	-1.0124e+004	-2.6137e+005
170	-1.6294e+004	-1.8601e+003	-2.1640e+002	1.2392e+004	-7.8188e+003	7.6391e+004
	-1.6294e+004	-1.8601e+003	-2.1640e+002	1.2392e+004	-2.7010e+004	-1.9932e+005
171	-1.6578e+004	-1.1952e+003	-1.4552e+002	9.5411e+003	8.5117e+003	-6.2005e+004
	-1.6578e+004	-1.1952e+003	-1.4552e+002	9.5411e+003	-1.1753e+004	-1.5241e+005
172	-1.6401e+004	-5.4089e+002	-1.3126e+002	6.6754e+003	-1.4349e+004	-4.5399e+004
	-1.6401e+004	-5.4089e+002	-1.3126e+002	6.6754e+003	-1.1148e+004	-1.0837e+005
173	-1.3844e+004	-2.1633e+002	2.8305e+002	4.5842e+003	-2.5856e+004	-4.9784e+004
	-1.3844e+004	-2.1633e+002	2.8305e+002	4.5842e+003	1.0797e+004	-7.0648e+004
181	4.7613e+003	2.0054e+002	-3.6618e+002	-4.7634e+003	1.3697e+004	-2.9471e+004
	4.7613e+003	2.0054e+002	-3.6618e+002	-4.7634e+003	-2.6326e+004	4.9486e+004
182	0.0000e+000	-1.4267e+003	-4.6384e+002	-4.0048e+004	3.0024e+004	0.0000e+000
	0.0000e+000	-1.4267e+003	-4.6384e+002	-4.0048e+004	-1.6414e+004	-1.4267e+005
183	3.8440e+003	1.1493e+001	-8.9726e+001	2.1494e+003	3.1130e+003	-6.7347e+003
	3.8440e+003	1.1493e+001	-8.9726e+001	2.1494e+003	-5.9006e+003	-5.5951e+003
184	-3.6003e+003	-3.6169e+003	7.5421e+002	1.8724e+005	6.6326e+004	4.5436e+005
	-3.6003e+003	-3.6169e+003	7.5421e+002	1.8724e+005	1.6092e+005	0.0000e+000
185	-4.3924e+003	-8.4102e+001	-6.9073e+001	2.8932e+004	-8.6570e+004	1.3671e+005
	-4.3924e+003	-8.4102e+001	-6.9073e+001	2.8932e+004	-8.0892e+004	1.3460e+005
186	8.4855e+002	-7.1136e+001	2.9578e+002	2.1431e+004	1.3455e+004	1.6977e+005
	8.4855e+002	-7.1136e+001	2.9578e+002	2.1431e+004	5.0794e+004	1.6611e+005
187	1.5435e+003	-7.6150e+001	7.6257e+001	1.4702e+004	-3.2876e+004	1.9162e+005
	1.5435e+003	-7.6150e+001	7.6257e+001	1.4702e+004	-2.5337e+004	1.8463e+005
188	1.3409e+003	-1.0522e+002	1.1020e+002	9.8831e+003	2.9718e+003	2.0502e+005
	1.3409e+003	-1.0522e+002	1.1020e+002	9.8831e+003	1.3346e+004	1.9343e+005
189	1.9397e+003	-1.2214e+002	-5.0745e+001	5.6526e+003	-1.0635e+004	2.0501e+005
	1.9397e+003	-1.2214e+002	-5.0745e+001	5.6526e+003	-1.2301e+004	1.9396e+005
190	2.4047e+003	-1.2675e+002	-7.1077e+001	2.1424e+003	4.0630e+003	1.8912e+005
	2.4047e+003	-1.2675e+002	-7.1077e+001	2.1424e+003	-5.1315e+003	1.8113e+005
191	2.0191e+003	-1.1595e+002	-1.6405e+002	-1.2954e+003	6.1394e+003	1.5468e+005
	2.0191e+003	-1.1595e+002	-1.6405e+002	-1.2954e+003	-1.5323e+004	1.5385e+005
192	3.4769e+003	1.3972e+002	-2.5393e+002	-4.5330e+003	1.2923e+004	9.5868e+004
	3.4769e+003	1.3972e+002	-2.5393e+002	-4.5330e+003	-1.9724e+004	1.1035e+005
200	1.0272e+004	1.1146e+002	2.8056e+002	-1.6851e+003	-2.2020e+004	2.7843e+005
	1.0272e+004	1.1146e+002	2.8056e+002	-1.6851e+003	8.7722e+003	2.7973e+005
201	0.0000e+000	4.8515e+003	4.0838e+002	-1.1517e+004	-1.3351e+004	0.0000e+000
	0.0000e+000	4.8515e+003	4.0838e+002	-1.1517e+004	2.7606e+004	4.8515e+005
202	4.0014e+003	-1.5681e+002	4.2609e+001	1.9690e+003	-2.4069e+003	4.7622e+004
	4.0014e+003	-1.5681e+002	4.2609e+001	1.9690e+003	1.9553e+003	3.1959e+004
203	8.0856e+003	-3.6966e+003	4.3738e+002	2.0120e+005	8.7782e+004	4.6438e+005
	8.0856e+003	-3.6966e+003	4.3738e+002	2.0120e+005	1.4125e+005	0.0000e+000
204	-5.2102e+003	2.6850e+002	-2.4361e+002	3.1860e+004	-6.8726e+004	1.2625e+005
	-5.2102e+003	2.6850e+002	-2.4361e+002	3.1860e+004	-9.9540e+004	1.1085e+005
205	1.4939e+003	1.9094e+002	8.6791e+001	2.4840e+004	2.8395e+004	1.6350e+005
	1.4939e+003	1.9094e+002	8.6791e+001	2.4840e+004	3.7507e+004	1.5299e+005
206	2.6616e+003	1.4535e+002	-1.3701e+002	1.8641e+004	-2.0587e+004	1.9442e+005
	2.6616e+003	1.4535e+002	-1.3701e+002	1.8641e+004	-3.6208e+004	1.9440e+005
207	2.9782e+003	1.6937e+002	-7.4158e+001	1.4232e+004	1.0531e+004	2.1573e+005
	2.9782e+003	1.6937e+002	-7.4158e+001	1.4232e+004	7.0790e+003	2.2846e+005
208	4.2274e+003	2.3624e+002	-1.0339e+002	1.0342e+004	-6.1398e+003	2.2667e+005
	4.2274e+003	2.3624e+002	-1.0339e+002	1.0342e+004	-1.5956e+004	2.5199e+005
209	6.0576e+003	2.9372e+002	-6.2253e+001	7.0627e+003	3.9066e+003	2.2993e+005
	6.0576e+003	2.9372e+002	-6.2253e+001	7.0627e+003	-4.1340e+003	2.6482e+005
210	7.6641e+003	3.1036e+002	-4.9498e+001	3.7792e+003	-5.5789e+003	2.3167e+005

	7.6641e+003	3.1036e+002	-4.9498e+001	3.7792e+003	-4.9615e+003	2.7045e+005
211	1.1505e+004	2.8522e+002	1.2205e+002	5.6184e+002	-1.2320e+004	2.3965e+005
	1.1505e+004	2.8522e+002	1.2205e+002	5.6184e+002	3.7903e+003	2.7585e+005
219	1.0283e+004	2.1928e+003	-6.3073e+002	-3.2167e+004	2.1075e+004	-3.0525e+005
	1.0283e+004	2.1928e+003	-6.3073e+002	-3.2167e+004	-4.7726e+004	-8.5087e+004
220	0.0000e+000	-6.9768e+003	-8.7503e+002	-2.0208e+005	5.3023e+004	0.0000e+000
	0.0000e+000	-6.9768e+003	-8.7503e+002	-2.0208e+005	-3.4497e+004	-6.9768e+005
222	2.9509e+003	-4.7262e+002	1.4982e+001	3.0296e+003	2.3506e+003	5.7861e+004
	2.9509e+003	-4.7262e+002	1.4982e+001	3.0296e+003	1.8880e+003	2.7428e+004
223	9.4294e+003	-2.7221e+003	9.3441e+002	1.5143e+005	5.3768e+004	3.4195e+005
	9.4294e+003	-2.7221e+003	9.3441e+002	1.5143e+005	1.6837e+005	0.0000e+000
224	-5.5975e+003	-3.5095e+002	2.4112e+002	2.4401e+004	-1.0048e+005	1.7863e+005
	-5.5975e+003	-3.5095e+002	2.4112e+002	2.4401e+004	-7.4586e+004	1.4128e+005
225	-2.5010e+003	1.9878e+002	4.5058e+002	1.5825e+004	6.4283e+003	2.2430e+005
	-2.5010e+003	1.9878e+002	4.5058e+002	1.5825e+004	5.8092e+004	2.0930e+005
226	-2.3015e+003	1.8351e+002	1.8738e+002	7.4764e+003	-4.3992e+004	2.4359e+005
	-2.3015e+003	1.8351e+002	1.8738e+002	7.4764e+003	-2.2150e+004	2.5047e+005
227	-1.6832e+003	3.5115e+002	2.1888e+002	-2.4344e+003	-1.2122e+004	2.3341e+005
	-1.6832e+003	3.5115e+002	2.1888e+002	-2.4344e+003	1.6034e+004	2.6488e+005
228	3.1656e+003	5.9931e+002	8.2991e+001	-8.6073e+003	-2.0728e+004	1.9667e+005
	3.1656e+003	5.9931e+002	8.2991e+001	-8.6073e+003	-1.3934e+004	2.5139e+005
229	5.2600e+003	9.0306e+002	-6.1795e+001	-1.6500e+004	-8.3291e+003	1.4613e+005
	5.2600e+003	9.0306e+002	-6.1795e+001	-1.6500e+004	-1.0085e+004	2.1409e+005
230	7.4550e+003	1.2646e+003	-1.8490e+002	-2.5469e+004	-3.8955e+003	-1.2926e+005
	7.4550e+003	1.2646e+003	-1.8490e+002	-2.5469e+004	-2.4680e+004	1.5989e+005
231	1.2331e+004	1.7812e+003	-3.1309e+002	-3.5996e+004	5.1759e+003	-2.0833e+005
	1.2331e+004	1.7812e+003	-3.1309e+002	-3.5996e+004	-3.5965e+004	1.0014e+005
237	1.0350e+004	-3.0125e+003	-2.1143e+002	-2.5967e+004	-2.1964e+004	1.6376e+005
	1.0350e+004	-3.0125e+003	-2.1143e+002	-2.5967e+004	-1.7900e+004	-1.7987e+005
238	0.0000e+000	-5.5414e+003	-2.3096e+002	-1.2896e+005	1.5624e+004	0.0000e+000
	0.0000e+000	-5.5414e+003	-2.3096e+002	-1.2896e+005	-1.7776e+004	-5.5414e+005
243	1.3689e+003	-1.2293e+003	1.1022e+002	2.6576e+003	2.6573e+003	5.3485e+004
	1.3689e+003	-1.2293e+003	1.1022e+002	2.6576e+003	8.9795e+003	-7.0173e+004
244	9.0919e+003	6.7600e+002	4.1310e+002	1.5407e+005	8.0765e+004	-8.4920e+004
	9.0919e+003	6.7600e+002	4.1310e+002	1.5407e+005	1.2855e+005	0.0000e+000
245	9.6408e+003	3.5233e+003	-2.7854e+002	2.6185e+004	-7.4209e+004	-1.0292e+005
	9.6408e+003	3.5233e+003	-2.7854e+002	2.6185e+004	-1.0633e+005	3.7067e+005
246	1.3074e+004	2.2125e+003	1.8236e+002	1.7370e+004	2.0176e+004	8.6530e+004
	1.3074e+004	2.2125e+003	1.8236e+002	1.7370e+004	3.5664e+004	3.3114e+005
247	1.5767e+004	8.5112e+002	-1.2588e+002	8.4369e+003	-3.6697e+004	1.7427e+005
	1.5767e+004	8.5112e+002	-1.2588e+002	8.4369e+003	-3.7830e+004	2.7163e+005
248	1.7301e+004	-8.1473e+002	1.4515e+002	-2.5424e+003	-1.0617e+004	2.7013e+005
	1.7301e+004	-8.1473e+002	1.4515e+002	-2.5424e+003	-8.2421e+003	2.1290e+005
249	1.8214e+004	-2.2255e+003	-1.4898e+002	-9.6857e+003	-2.5437e+004	3.6350e+005
	1.8214e+004	-2.2255e+003	-1.4898e+002	-9.6857e+003	-2.0483e+004	1.3667e+005
250	1.8282e+004	-3.6551e+003	-1.7765e+002	-1.8098e+004	-2.1683e+004	4.3940e+005
	1.8282e+004	-3.6551e+003	-1.7765e+002	-1.8098e+004	-1.1045e+004	-1.2318e+005
251	1.6786e+004	-5.0556e+003	-1.9698e+002	-2.6790e+004	-2.6977e+004	4.9033e+005
	1.6786e+004	-5.0556e+003	-1.9698e+002	-2.6790e+004	-1.4660e+004	-2.0213e+005
252	1.6177e+004	-7.4712e+003	-1.7061e+002	-4.0531e+004	-3.0571e+004	6.1417e+005
	1.6177e+004	-7.4712e+003	-1.7061e+002	-4.0531e+004	-1.8617e+004	-3.6899e+005

Condizione "(1) Dinamica SLVh X"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcmm)	My (Nxcmm)	Mz (Nxcmm)
12	2.6255e+003	2.0626e+003	-8.8351e+001	1.5776e+004	3.4847e+004	-1.2864e+005
	2.6255e+003	2.0626e+003	-8.8351e+001	1.5776e+004	2.7787e+004	8.5750e+004
13	9.8565e+003	-4.8918e+003	-6.1745e+001	4.5975e+003	3.1606e+004	3.1620e+005
	9.8565e+003	-4.8918e+003	-6.1745e+001	4.5975e+003	2.8433e+004	-1.7357e+005
14	1.2219e+004	2.4968e+003	-7.2091e+001	6.2657e+003	2.9706e+004	-1.7951e+005
	1.2219e+004	2.4968e+003	-7.2091e+001	6.2657e+003	2.7429e+004	7.1429e+004
15	6.8359e+003	5.0756e+002	-2.9489e+001	-2.6587e+003	2.8258e+004	-2.2340e+004
	6.8359e+003	5.0756e+002	-2.9489e+001	-2.6587e+003	2.6932e+004	3.0406e+004
16	-1.7442e+003	3.1134e+003	8.7422e+001	-1.0308e+004	-3.1242e+004	-2.4292e+005
	-1.7442e+003	3.1134e+003	8.7422e+001	-1.0308e+004	-2.4569e+004	6.8434e+004
162	-4.1449e+003	-1.2627e+003	8.8445e+002	4.8290e+003	-4.8185e+004	-1.5331e+005
	-4.1449e+003	-1.2627e+003	8.8445e+002	4.8290e+003	4.8255e+004	-2.8769e+005
163	0.0000e+000	-1.5033e+002	8.3785e+002	3.7525e+004	-4.7619e+004	0.0000e+000
	0.0000e+000	-1.5033e+002	8.3785e+002	3.7525e+004	3.6239e+004	-1.5033e+004
164	-9.4038e+003	-9.8814e+000	4.1054e+001	-6.8316e+003	-4.6735e+003	1.2915e+004
	-9.4038e+003	-9.8814e+000	4.1054e+001	-6.8316e+003	-1.2113e+003	1.2094e+004
165	-8.2586e+003	1.5390e+003	4.3958e+002	1.8246e+004	-3.4616e+004	-1.9333e+005
	-8.2586e+003	1.5390e+003	4.3958e+002	1.8246e+004	2.6254e+004	0.0000e+000
166	2.8309e+003	9.5450e+002	6.6231e+002	7.9968e+003	-4.0484e+004	-1.9512e+005
	2.8309e+003	9.5450e+002	6.6231e+002	7.9968e+003	4.6850e+004	-1.5861e+005
167	1.8165e+003	9.2478e+002	7.5441e+002	4.9801e+003	-4.6462e+004	-3.0148e+005
	1.8165e+003	9.2478e+002	7.5441e+002	4.9801e+003	5.0544e+004	-2.2584e+005
168	1.9822e+003	-1.0178e+003	8.0870e+002	7.2504e+003	-5.1210e+004	-2.4289e+005

	1.9822e+003	-1.0178e+003	8.0870e+002	7.2504e+003	5.2793e+004	-3.5859e+005
169	-2.4976e+003	-7.1806e+002	8.7199e+002	8.3498e+003	-5.6209e+004	-3.7395e+005
	-2.4976e+003	-7.1806e+002	8.7199e+002	8.3498e+003	5.5625e+004	-4.5410e+005
170	-2.7995e+003	7.4749e+002	9.3476e+002	1.7793e+003	-6.1356e+004	-4.7827e+005
	-2.7995e+003	7.4749e+002	9.3476e+002	1.7793e+003	5.8574e+004	-3.8864e+005
171	-2.4379e+003	4.2376e+002	9.3976e+002	-1.3982e+003	-6.0303e+004	-4.7784e+005
	-2.4379e+003	4.2376e+002	9.3976e+002	-1.3982e+003	6.0217e+004	-4.2952e+005
172	-2.9000e+003	-1.5578e+003	8.8907e+002	5.0446e+003	-5.7736e+004	-2.8876e+005
	-2.9000e+003	-1.5578e+003	8.8907e+002	5.0446e+003	5.6309e+004	-4.8679e+005
173	-3.9182e+003	-1.6368e+003	8.1438e+002	6.8272e+003	-5.6245e+004	-2.3885e+005
	-3.9182e+003	-1.6368e+003	8.1438e+002	6.8272e+003	4.8206e+004	-4.4689e+005
181	-7.2379e+003	-1.0648e+003	2.4432e+002	-1.5834e+003	-1.2859e+004	-1.4674e+005
	-7.2379e+003	-1.0648e+003	2.4432e+002	-1.5834e+003	1.3845e+004	-2.6276e+005
182	0.0000e+000	-1.5656e+003	2.2780e+002	-1.1702e+004	-1.5043e+004	0.0000e+000
	0.0000e+000	-1.5656e+003	2.2780e+002	-1.1702e+004	8.4099e+003	-1.5656e+005
183	-1.3451e+004	-1.9218e+001	1.7664e+001	-6.9800e+003	-1.9758e+003	1.0718e+004
	-1.3451e+004	-1.9218e+001	1.7664e+001	-6.9800e+003	-1.0234e+003	8.8183e+003
184	6.8507e+003	1.1961e+003	3.3288e+002	-2.3619e+004	-1.6902e+004	-1.5026e+005
	6.8507e+003	1.1961e+003	3.3288e+002	-2.3619e+004	3.1591e+004	0.0000e+000
185	1.2287e+004	-1.6741e+002	2.9676e+002	4.3580e+003	-2.1694e+004	-2.4192e+005
	1.2287e+004	-1.6741e+002	2.9676e+002	4.3580e+003	2.1387e+004	-2.2433e+005
186	6.1060e+003	-8.9767e+001	3.1671e+002	3.2886e+003	-1.8884e+004	-3.5069e+005
	6.1060e+003	-8.9767e+001	3.1671e+002	3.2886e+003	2.2477e+004	-3.5523e+005
187	5.1959e+003	-1.4239e+002	3.3632e+002	2.4758e+003	-2.2698e+004	-4.3086e+005
	5.1959e+003	-1.4239e+002	3.3632e+002	2.4758e+003	2.1009e+004	-4.4706e+005
188	1.9881e+003	-1.3378e+002	3.5420e+002	1.6378e+003	-2.2543e+004	-4.9464e+005
	1.9881e+003	-1.3378e+002	3.5420e+002	1.6378e+003	2.2928e+004	-5.1070e+005
189	1.3326e+003	-3.8543e+002	3.5567e+002	1.0494e+003	-2.3903e+004	-5.0454e+005
	1.3326e+003	-3.8543e+002	3.5567e+002	1.0494e+003	2.1805e+004	-5.5372e+005
190	-6.9219e+002	-5.9400e+002	3.4052e+002	1.0484e+003	-2.1924e+004	-4.6455e+005
	-6.9219e+002	-5.9400e+002	3.4052e+002	1.0484e+003	2.1751e+004	-5.4056e+005
191	-1.7700e+003	-7.5648e+002	2.9637e+002	1.1548e+003	-1.9552e+004	-3.8759e+005
	-1.7700e+003	-7.5648e+002	2.9637e+002	1.1548e+003	1.8487e+004	-4.8446e+005
192	-6.1528e+003	-8.7153e+002	2.5981e+002	-1.7825e+003	-1.8267e+004	-2.7917e+005
	-6.1528e+003	-8.7153e+002	2.5981e+002	-1.7825e+003	1.5109e+004	-3.9085e+005
200	-7.2624e+003	-5.9188e+002	-7.9450e+001	-1.4854e+003	5.0259e+003	-1.8133e+005
	-7.2624e+003	-5.9188e+002	-7.9450e+001	-1.4854e+003	-3.8069e+003	-2.4388e+005
201	0.0000e+000	-9.9207e+002	-5.8873e+001	-5.1410e+003	-2.4002e+003	0.0000e+000
	0.0000e+000	-9.9207e+002	-5.8873e+001	-5.1410e+003	-4.3752e+003	-9.9207e+004
202	-1.3849e+004	1.0791e+002	1.1239e+001	-5.9079e+003	1.7176e+003	-1.8183e+004
	-1.3849e+004	1.0791e+002	1.1239e+001	-5.9079e+003	2.3958e+003	-8.0295e+003
203	1.4441e+004	1.0228e+003	1.2889e+002	2.5202e+004	1.6413e+004	-1.2849e+005
	1.4441e+004	1.0228e+003	1.2889e+002	2.5202e+004	1.8391e+004	0.0000e+000
204	1.3754e+004	5.9626e+002	1.5289e+002	-3.9861e+003	-1.1072e+004	-2.7367e+005
	1.3754e+004	5.9626e+002	1.5289e+002	-3.9861e+003	-1.8082e+004	-2.0050e+005
205	6.7637e+003	4.2474e+002	1.4664e+002	-3.1003e+003	-1.1450e+004	-4.0849e+005
	6.7637e+003	4.2474e+002	1.4664e+002	-3.1003e+003	9.4379e+003	-3.5671e+005
206	6.7626e+003	3.0297e+002	1.4603e+002	-2.3435e+003	-8.4361e+003	-5.1114e+005
	6.7626e+003	3.0297e+002	1.4603e+002	-2.3435e+003	1.1677e+004	-4.7421e+005
207	3.6301e+003	-1.5582e+002	1.4117e+002	-1.8703e+003	-1.0078e+004	-5.7370e+005
	3.6301e+003	-1.5582e+002	1.4117e+002	-1.8703e+003	8.1969e+003	-5.5591e+005
208	3.0129e+003	-7.3787e+001	1.3435e+002	-1.5172e+003	-7.7729e+003	-5.8705e+005
	3.0129e+003	-7.3787e+001	1.3435e+002	-1.5172e+003	9.6782e+003	-5.9374e+005
209	-1.4193e+003	-2.0753e+002	1.2393e+002	-1.3290e+003	-8.6368e+003	-5.5294e+005
	-1.4193e+003	-2.0753e+002	1.2393e+002	-1.3290e+003	7.2822e+003	-5.7921e+005
210	-2.2501e+003	-3.2706e+002	1.0379e+002	-1.3099e+003	-6.2284e+003	-4.7339e+005
	-2.2501e+003	-3.2706e+002	1.0379e+002	-1.3099e+003	7.1749e+003	-5.1510e+005
211	-6.3410e+003	-5.1127e+002	8.9621e+001	-1.5417e+003	5.8134e+003	-3.3972e+005
	-6.3410e+003	-5.1127e+002	8.9621e+001	-1.5417e+003	5.7600e+003	-4.0490e+005
219	-8.2595e+003	-3.9235e+002	-4.6618e+002	6.1406e+003	2.3360e+004	-2.2460e+005
	-8.2595e+003	-3.9235e+002	-4.6618e+002	6.1406e+003	-2.7534e+004	-2.4799e+005
220	0.0000e+000	-2.2784e+003	-4.6018e+002	3.9103e+004	2.5064e+004	0.0000e+000
	0.0000e+000	-2.2784e+003	-4.6018e+002	3.9103e+004	-2.1185e+004	-2.2784e+005
222	-1.1473e+004	2.6336e+003	-3.0539e+001	3.6662e+003	5.0317e+003	-1.1445e+005
	-1.1473e+004	2.6336e+003	-3.0539e+001	3.6662e+003	2.4212e+003	1.4946e+005
223	1.3901e+004	1.6201e+003	-3.2461e+002	2.4413e+004	2.3703e+004	-2.0351e+005
	1.3901e+004	1.6201e+003	-3.2461e+002	2.4413e+004	-2.9236e+004	0.0000e+000
224	1.4403e+004	2.3301e+002	-3.3711e+002	-5.0501e+003	2.0287e+004	-3.0351e+005
	1.4403e+004	2.3301e+002	-3.3711e+002	-5.0501e+003	-3.0427e+004	-2.7885e+005
225	8.5178e+003	1.5904e+002	-3.4817e+002	-4.3376e+003	2.3580e+004	-4.2605e+005
	8.5178e+003	1.5904e+002	-3.4817e+002	-4.3376e+003	-2.1913e+004	-4.1190e+005
226	8.0252e+003	1.7545e+002	-3.8524e+002	-4.0261e+003	2.2070e+004	-5.1988e+005
	8.0252e+003	1.7545e+002	-3.8524e+002	-4.0261e+003	-2.8232e+004	-5.0249e+005
227	3.7247e+003	-8.8254e+001	-3.9319e+002	-3.8934e+003	2.6452e+004	-5.6011e+005
	3.7247e+003	-8.8254e+001	-3.9319e+002	-3.8934e+003	-2.4004e+004	-5.6262e+005
228	-3.3993e+003	-1.4808e+002	-4.1226e+002	-3.8070e+003	2.4914e+004	-5.5564e+005

	-3.3993e+003	-1.4808e+002	-4.1226e+002	-3.8070e+003	-2.8177e+004	-5.6736e+005
229	-2.2724e+003	-1.7802e+002	-4.1384e+002	4.3594e+003	2.6805e+004	-5.1628e+005
	-2.2724e+003	-1.7802e+002	-4.1384e+002	4.3594e+003	-2.6310e+004	-5.2925e+005
230	-2.9311e+003	-1.7530e+002	-4.2325e+002	5.5299e+003	2.4787e+004	-4.5792e+005
	-2.9311e+003	-1.7530e+002	-4.2325e+002	5.5299e+003	-2.9589e+004	-4.6394e+005
231	-7.2486e+003	-3.5082e+002	-3.7942e+002	7.0755e+003	2.4956e+004	-3.5157e+005
	-7.2486e+003	-3.5082e+002	-3.7942e+002	7.0755e+003	-2.3924e+004	-3.7944e+005
237	-6.4812e+003	1.3471e+003	-6.7686e+002	3.6429e+003	3.5451e+004	5.4488e+004
	-6.4812e+003	1.3471e+003	-6.7686e+002	3.6429e+003	-3.8597e+004	1.8600e+005
238	0.0000e+000	1.1351e+003	-6.5645e+002	2.2286e+004	3.8899e+004	0.0000e+000
	0.0000e+000	1.1351e+003	-6.5645e+002	2.2286e+004	-2.7030e+004	1.1351e+005
243	-7.5814e+003	5.7831e+003	-5.8851e+001	2.1252e+004	5.1242e+003	-2.0796e+005
	-7.5814e+003	5.7831e+003	-5.8851e+001	2.1252e+004	-5.6738e+003	3.7037e+005
244	-2.7087e+003	8.0670e+002	-5.3648e+002	-2.9933e+004	4.6114e+004	-1.0134e+005
	-2.7087e+003	8.0670e+002	-5.3648e+002	-2.9933e+004	-3.1846e+004	0.0000e+000
245	6.9424e+003	6.6263e+002	-7.4676e+002	-6.6811e+003	3.9339e+004	-1.9310e+005
	6.9424e+003	6.6263e+002	-7.4676e+002	-6.6811e+003	-5.9751e+004	-1.8213e+005
246	7.0313e+003	5.8015e+002	-7.8806e+002	-5.9364e+003	5.1561e+004	-2.4873e+005
	7.0313e+003	5.8015e+002	-7.8806e+002	-5.9364e+003	-4.9762e+004	-2.2940e+005
247	-8.7535e+003	-9.7955e+002	-8.0858e+002	-9.2570e+003	4.6592e+004	1.9495e+005
	-8.7535e+003	-9.7955e+002	-8.0858e+002	-9.2570e+003	-5.7665e+004	-3.0512e+005
248	-7.3963e+003	-1.0995e+003	-8.7388e+002	-6.0240e+003	5.7790e+004	-2.4418e+005
	-7.3963e+003	-1.0995e+003	-8.7388e+002	-6.0240e+003	-5.4283e+004	-3.7224e+005
249	-9.4613e+003	7.1503e+002	-9.0711e+002	2.9645e+003	5.6068e+004	-3.0236e+005
	-9.4613e+003	7.1503e+002	-9.0711e+002	2.9645e+003	-6.0501e+004	2.7688e+005
250	-1.0567e+004	7.5794e+002	-8.3957e+002	3.4239e+003	5.2772e+004	-2.9901e+005
	-1.0567e+004	7.5794e+002	-8.3957e+002	3.4239e+003	-5.4996e+004	2.8924e+005
251	-1.0680e+004	-1.5943e+003	-6.7508e+002	-8.0813e+003	4.0303e+004	1.8986e+005
	-1.0680e+004	-1.5943e+003	-6.7508e+002	-8.0813e+003	-4.6929e+004	-3.4026e+005
252	-7.4573e+003	-2.1745e+003	-6.3381e+002	-7.6170e+003	4.2893e+004	1.8146e+005
	-7.4573e+003	-2.1745e+003	-6.3381e+002	-7.6170e+003	-3.8688e+004	-3.8272e+005

Condizione "(f) Dinamica SLDh Y"						
Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcmm)	My (Nxcmm)	Mz (Nxcmm)
12	2.3377e+003	-9.7119e+002	-1.7038e+002	-4.8830e+003	1.0588e+005	5.7676e+004
	2.3377e+003	-9.7119e+002	-1.7038e+002	-4.8830e+003	8.8972e+004	-4.0599e+004
13	4.2734e+003	-1.8538e+003	6.2028e+001	9.2752e+002	1.0004e+005	1.2427e+005
	4.2734e+003	-1.8538e+003	6.2028e+001	9.2752e+002	9.6620e+004	-6.1226e+004
14	4.3423e+003	9.5044e+002	-1.4224e+002	2.6575e+003	1.0519e+005	-6.8081e+004
	4.3423e+003	9.5044e+002	-1.4224e+002	2.6575e+003	9.2338e+004	2.7215e+004
15	-2.6859e+003	1.6191e+002	-5.9362e+001	6.9873e+002	1.0054e+005	-1.0758e+004
	-2.6859e+003	1.6191e+002	-5.9362e+001	6.9873e+002	9.4639e+004	6.6190e+003
16	-3.7753e+003	-4.2411e+002	-1.7989e+002	8.8931e+002	1.0391e+005	3.5833e+004
	-3.7753e+003	-4.2411e+002	-1.7989e+002	8.8931e+002	8.5937e+004	-6.7210e+003
162	-2.7516e+003	2.5768e+002	2.1523e+002	1.0765e+003	-1.5009e+004	-2.3308e+004
	-2.7516e+003	2.5768e+002	2.1523e+002	1.0765e+003	8.7186e+003	1.7712e+004
163	0.0000e+000	4.4336e+002	2.6638e+002	-4.1747e+003	-9.4486e+003	0.0000e+000
	0.0000e+000	4.4336e+002	2.6638e+002	-4.1747e+003	1.7363e+004	4.4336e+004
164	1.3269e+003	-7.1589e+000	4.4925e+001	1.1922e+003	-2.5702e+003	-1.7282e+004
	1.3269e+003	-7.1589e+000	4.4925e+001	1.1922e+003	1.9487e+003	-1.7985e+004
165	-7.0380e+003	-1.4131e+003	1.3920e+002	6.6103e+004	3.9723e+004	1.7751e+005
	-7.0380e+003	-1.4131e+003	1.3920e+002	6.6103e+004	5.5846e+004	0.0000e+000
166	-4.3032e+003	-3.2221e+003	-1.9865e+002	1.8232e+004	-2.8196e+004	1.3789e+005
	-4.3032e+003	-3.2221e+003	-1.9865e+002	1.8232e+004	-5.2366e+004	-2.7600e+005
167	-5.8811e+003	-2.4954e+003	7.7538e+001	1.4134e+004	1.6716e+004	1.0422e+005
	-5.8811e+003	-2.4954e+003	7.7538e+001	1.4134e+004	1.0640e+004	-2.1782e+005
168	-6.9106e+003	-1.7388e+003	-1.4767e+002	1.0175e+004	-6.7542e+003	6.6586e+004
	-6.9106e+003	-1.7388e+003	-1.4767e+002	1.0175e+004	-2.4252e+004	-1.5967e+005
169	-7.3676e+003	-1.2441e+003	-9.0412e+001	7.5822e+003	7.0225e+003	4.7403e+004
	-7.3676e+003	-1.2441e+003	-9.0412e+001	7.5822e+003	-4.6894e+003	-1.2098e+005
170	-7.5555e+003	-8.6089e+002	-1.0015e+002	5.7353e+003	-3.6229e+003	3.5418e+004
	-7.5555e+003	-8.6089e+002	-1.0015e+002	5.7353e+003	-1.2501e+004	-9.2269e+004
171	-7.6840e+003	-5.5322e+002	-6.7606e+001	4.4162e+003	3.9748e+003	-2.8761e+004
	-7.6840e+003	-5.5322e+002	-6.7606e+001	4.4162e+003	-5.4442e+003	-7.0567e+004
172	-7.5941e+003	-2.5045e+002	-6.1258e+001	3.0907e+003	-6.6512e+003	-2.1067e+004
	-7.5941e+003	-2.5045e+002	-6.1258e+001	3.0907e+003	-5.1993e+003	-5.0195e+004
173	-6.4194e+003	-1.0065e+002	1.3139e+002	2.1248e+003	-1.2003e+004	-2.3065e+004
	-6.4194e+003	-1.0065e+002	1.3139e+002	2.1248e+003	5.0103e+003	-3.2743e+004
181	2.2045e+003	9.3115e+001	-1.6949e+002	-2.2048e+003	6.3439e+003	-1.3793e+004
	2.2045e+003	9.3115e+001	-1.6949e+002	-2.2048e+003	-1.2184e+004	2.3050e+004
182	0.0000e+000	-6.6036e+002	-2.1471e+002	-1.8535e+004	1.3897e+004	0.0000e+000
	0.0000e+000	-6.6036e+002	-2.1471e+002	-1.8535e+004	-7.6003e+003	-6.6036e+004
183	1.7801e+003	5.3246e+000	-4.1544e+001	9.9509e+002	1.4422e+003	-3.1173e+003
	1.7801e+003	5.3246e+000	-4.1544e+001	9.9509e+002	-2.7317e+003	-2.5897e+003
184	-1.6667e+003	-1.6741e+003	3.4907e+002	8.6659e+004	3.0697e+004	2.1030e+005
	-1.6667e+003	-1.6741e+003	3.4907e+002	8.6659e+004	7.4476e+004	0.0000e+000
185	-2.0851e+003	-3.9285e+001	-3.2308e+001	1.3390e+004	-4.0072e+004	6.3345e+004

	-2.0851e+003	-3.9285e+001	-3.2308e+001	1.3390e+004	-3.7438e+004	6.2362e+004
186	3.9385e+002	-3.3173e+001	1.3699e+002	9.9185e+003	6.2274e+003	7.8704e+004
	3.9385e+002	-3.3173e+001	1.3699e+002	9.9185e+003	2.3517e+004	7.6999e+004
187	7.2696e+002	-3.5338e+001	3.5455e+001	6.8045e+003	-1.5221e+004	8.8863e+004
	7.2696e+002	-3.5338e+001	3.5455e+001	6.8045e+003	-1.1727e+004	8.5622e+004
188	6.2378e+002	-4.8704e+001	5.1122e+001	4.5741e+003	1.3811e+003	9.5092e+004
	6.2378e+002	-4.8704e+001	5.1122e+001	4.5741e+003	6.1861e+003	8.9736e+004
189	9.0062e+002	-5.6537e+001	-2.3619e+001	2.6162e+003	-4.9268e+003	9.5098e+004
	9.0062e+002	-5.6537e+001	-2.3619e+001	2.6162e+003	-5.6941e+003	9.0000e+004
190	1.1151e+003	-5.8728e+001	-3.2978e+001	9.9188e+002	1.8853e+003	8.7734e+004
	1.1151e+003	-5.8728e+001	-3.2978e+001	9.9188e+002	-2.3812e+003	8.4061e+004
191	9.3644e+002	-5.3858e+001	-7.5959e+001	-6.0018e+002	2.8527e+003	7.1770e+004
	9.3644e+002	-5.3858e+001	-7.5959e+001	-6.0018e+002	-7.0925e+003	7.1416e+004
192	1.6120e+003	6.4976e+001	-1.1754e+002	-2.0981e+003	5.9815e+003	4.4520e+004
	1.6120e+003	6.4976e+001	-1.1754e+002	-2.0981e+003	-9.1320e+003	5.1251e+004
200	4.7543e+003	5.1823e+001	1.2999e+002	-7.8012e+002	-1.0196e+004	1.2890e+005
	4.7543e+003	5.1823e+001	1.2999e+002	-7.8012e+002	4.0759e+003	1.2951e+005
201	0.0000e+000	2.2454e+003	1.8912e+002	-5.3307e+003	-6.1906e+003	0.0000e+000
	0.0000e+000	2.2454e+003	1.8912e+002	-5.3307e+003	1.2780e+004	2.2454e+005
202	1.8534e+003	-7.2574e+001	1.9736e+001	9.1154e+002	-1.1155e+003	2.2041e+004
	1.8534e+003	-7.2574e+001	1.9736e+001	9.1154e+002	9.0560e+002	1.4792e+004
203	3.8446e+003	-1.7109e+003	2.0259e+002	9.3117e+004	4.0639e+004	2.1492e+005
	3.8446e+003	-1.7109e+003	2.0259e+002	9.3117e+004	6.5372e+004	0.0000e+000
204	-2.4728e+003	1.2712e+002	-1.1280e+002	1.4745e+004	-3.1812e+004	5.8530e+004
	-2.4728e+003	1.2712e+002	-1.1280e+002	1.4745e+004	-4.6079e+004	5.1304e+004
205	6.9601e+002	9.0465e+001	4.0427e+001	1.1496e+004	1.3142e+004	7.5901e+004
	6.9601e+002	9.0465e+001	4.0427e+001	1.1496e+004	1.7371e+004	7.0890e+004
206	1.2422e+003	6.8547e+001	-6.3620e+001	8.6275e+003	-9.5434e+003	9.0307e+004
	1.2422e+003	6.8547e+001	-6.3620e+001	8.6275e+003	-1.6758e+004	9.0173e+004
207	1.3800e+003	7.8788e+001	-3.4958e+001	6.5868e+003	4.8842e+003	1.0022e+005
	1.3800e+003	7.8788e+001	-3.4958e+001	6.5868e+003	3.3198e+003	1.0601e+005
208	1.9572e+003	1.0940e+002	-4.8234e+001	4.7866e+003	-2.8761e+003	1.0528e+005
	1.9572e+003	1.0940e+002	-4.8234e+001	4.7866e+003	-7.3923e+003	1.1693e+005
209	2.8039e+003	1.3594e+002	-2.9420e+001	3.2687e+003	1.8447e+003	1.0674e+005
	2.8039e+003	1.3594e+002	-2.9420e+001	3.2687e+003	-1.9548e+003	1.2284e+005
210	3.5473e+003	1.4366e+002	-2.3522e+001	1.7491e+003	-2.6048e+003	1.0745e+005
	3.5473e+003	1.4366e+002	-2.3522e+001	1.7491e+003	-2.3228e+003	1.2538e+005
211	5.3253e+003	1.3209e+002	5.6712e+001	2.6062e+002	-5.7136e+003	1.1104e+005
	5.3253e+003	1.3209e+002	5.6712e+001	2.6062e+002	-1.7788e+003	1.2780e+005
219	4.7597e+003	1.0149e+003	-2.9191e+002	-1.4887e+004	9.7541e+003	-1.4131e+005
	4.7597e+003	1.0149e+003	-2.9191e+002	-1.4887e+004	-2.2089e+004	-3.9476e+004
220	0.0000e+000	-3.2290e+003	-4.0498e+002	-9.3525e+004	2.4540e+004	0.0000e+000
	0.0000e+000	-3.2290e+003	-4.0498e+002	-9.3525e+004	-1.5967e+004	-3.2290e+005
222	1.3679e+003	-2.1878e+002	6.9755e+000	1.4022e+003	1.0881e+003	2.6781e+004
	1.3679e+003	-2.1878e+002	6.9755e+000	1.4022e+003	8.7679e+002	1.2695e+004
223	4.4927e+003	-1.2680e+003	4.3392e+002	7.0168e+004	2.4886e+004	1.5929e+005
	4.4927e+003	-1.2680e+003	4.3392e+002	7.0168e+004	7.8038e+004	0.0000e+000
224	-2.6285e+003	-1.6389e+002	1.1284e+002	1.1308e+004	-4.6557e+004	8.3209e+004
	-2.6285e+003	-1.6389e+002	1.1284e+002	1.1308e+004	-3.4519e+004	6.5722e+004
225	-1.1586e+003	9.3894e+001	2.0909e+002	7.3382e+003	3.0407e+003	1.0433e+005
	-1.1586e+003	9.3894e+001	2.0909e+002	7.3382e+003	2.6919e+004	9.7201e+004
226	-1.0726e+003	8.6438e+001	8.7121e+001	3.4771e+003	-2.0380e+004	1.1326e+005
	-1.0726e+003	8.6438e+001	8.7121e+001	3.4771e+003	-1.0253e+004	1.1626e+005
227	-7.8254e+002	1.6290e+002	1.0159e+002	-1.1555e+003	-5.6315e+003	1.0855e+005
	-7.8254e+002	1.6290e+002	1.0159e+002	-1.1555e+003	7.4365e+003	1.2293e+005
228	1.4667e+003	2.7747e+002	-3.8710e+001	-3.9875e+003	-9.6051e+003	9.1544e+004
	1.4667e+003	2.7747e+002	-3.8710e+001	-3.9875e+003	-6.4506e+003	1.1668e+005
229	2.4349e+003	4.1798e+002	-2.8834e+001	-7.6371e+003	-3.8667e+003	6.8160e+004
	2.4349e+003	4.1798e+002	-2.8834e+001	-7.6371e+003	-4.6708e+003	9.9395e+004
230	3.4506e+003	5.8529e+002	-8.5590e+001	-1.1788e+004	-1.8114e+003	-6.0225e+004
	3.4506e+003	5.8529e+002	-8.5590e+001	-1.1788e+004	-1.1423e+004	7.4285e+004
231	5.7075e+003	8.2435e+002	-1.4491e+002	-1.6659e+004	2.4013e+003	-9.6548e+004
	5.7075e+003	8.2435e+002	-1.4491e+002	-1.6659e+004	-1.6645e+004	4.6606e+004
237	4.7913e+003	-1.3945e+003	-9.9215e+001	-1.2018e+004	-1.0208e+004	7.5847e+004
	4.7913e+003	-1.3945e+003	-9.9215e+001	-1.2018e+004	-8.3278e+003	-8.3245e+004
238	0.0000e+000	-2.5647e+003	-1.0830e+002	-5.9687e+004	7.2855e+003	0.0000e+000
	0.0000e+000	-2.5647e+003	-1.0830e+002	-5.9687e+004	-8.2713e+003	-2.5647e+005
243	6.3571e+002	-5.6927e+002	5.1067e+001	1.2306e+003	1.2396e+003	2.4765e+004
	6.3571e+002	-5.6927e+002	5.1067e+001	1.2306e+003	4.1567e+003	-3.2499e+004
244	4.2088e+003	3.1288e+002	1.9276e+002	7.1403e+004	3.7393e+004	-3.9304e+004
	4.2088e+003	3.1288e+002	1.9276e+002	7.1403e+004	5.9637e+004	0.0000e+000
245	4.5000e+003	1.6324e+003	-1.2894e+002	1.2133e+004	-3.4386e+004	-4.7644e+004
	4.5000e+003	1.6324e+003	-1.2894e+002	1.2133e+004	-4.9231e+004	1.7188e+005
246	6.0573e+003	1.0255e+003	8.4931e+001	8.0511e+003	9.3424e+003	4.0280e+004
	6.0573e+003	1.0255e+003	8.4931e+001	8.0511e+003	1.6532e+004	1.5368e+005
247	7.3042e+003	3.9751e+002	-5.8794e+001	3.9219e+003	-1.7011e+004	8.0833e+004

	7.3042e+003	3.9751e+002	-5.8794e+001	3.9219e+003	-1.7509e+004	1.2630e+005
248	8.0127e+003	-3.8012e+002	6.7651e+001	-1.2058e+003	-4.9472e+003	1.2518e+005
	8.0127e+003	-3.8012e+002	6.7651e+001	-1.2058e+003	-3.8410e+003	9.9322e+004
249	8.4355e+003	-1.0303e+003	-6.9711e+001	-4.4852e+003	-1.1806e+004	1.6836e+005
	8.4355e+003	-1.0303e+003	-6.9711e+001	-4.4852e+003	-9.4896e+003	6.4047e+004
250	8.4656e+003	-1.6918e+003	-8.3153e+001	-8.3769e+003	-1.0076e+004	2.0343e+005
	8.4656e+003	-1.6918e+003	-8.3153e+001	-8.3769e+003	-5.1572e+003	-5.7616e+004
251	7.7724e+003	-2.3401e+003	-9.2205e+001	-1.2400e+004	-1.2524e+004	2.2694e+005
	7.7724e+003	-2.3401e+003	-9.2205e+001	-1.2400e+004	-6.8303e+003	-9.3772e+004
252	7.4897e+003	-3.4580e+003	-7.9900e+001	-1.8759e+004	-1.4180e+004	2.8425e+005
	7.4897e+003	-3.4580e+003	-7.9900e+001	-1.8759e+004	-8.6388e+003	-1.7082e+005

Condizione "(1) Dinamica SLDh X"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
12	1.2251e+003	9.5515e+002	-4.1237e+001	7.3026e+003	1.6255e+004	-5.9559e+004
	1.2251e+003	9.5515e+002	-4.1237e+001	7.3026e+003	1.2947e+004	3.9719e+004
13	4.5865e+003	-2.2649e+003	-2.9308e+001	2.1284e+003	1.4735e+004	1.4641e+005
	4.5865e+003	-2.2649e+003	-2.9308e+001	2.1284e+003	1.3207e+004	-8.0350e+004
14	5.6762e+003	1.1562e+003	-3.3885e+001	2.9027e+003	1.3759e+004	-8.3116e+004
	5.6762e+003	1.1562e+003	-3.3885e+001	2.9027e+003	1.2746e+004	3.3088e+004
15	3.1706e+003	2.3501e+002	-1.3651e+001	-1.2312e+003	1.3087e+004	-1.0347e+004
	3.1706e+003	2.3501e+002	-1.3651e+001	-1.2312e+003	1.2475e+004	1.4076e+004
16	-8.1081e+002	1.4409e+003	4.0461e+001	-4.7706e+003	-1.4463e+004	-1.1243e+005
	-8.1081e+002	1.4409e+003	4.0461e+001	-4.7706e+003	-1.1376e+004	3.1672e+004
162	-1.9184e+003	-5.8443e+002	4.0934e+002	2.2350e+003	-2.2301e+004	-7.0953e+004
	-1.9184e+003	-5.8443e+002	4.0934e+002	2.2350e+003	2.2333e+004	-1.3315e+005
163	0.0000e+000	-6.9626e+001	3.8777e+002	1.7367e+004	-2.2039e+004	0.0000e+000
	0.0000e+000	-6.9626e+001	3.8777e+002	1.7367e+004	1.6772e+004	-6.9626e+003
164	-4.3523e+003	-4.5733e+000	1.9001e+001	-3.1618e+003	-2.1630e+003	5.9775e+003
	-4.3523e+003	-4.5733e+000	1.9001e+001	-3.1618e+003	-5.6062e+002	5.5972e+003
165	-3.8226e+003	7.1227e+002	2.0345e+002	8.4452e+003	-1.6021e+004	-8.9476e+004
	-3.8226e+003	7.1227e+002	2.0345e+002	8.4452e+003	1.2151e+004	0.0000e+000
166	1.3122e+003	4.4183e+002	3.0653e+002	3.7012e+003	-1.8737e+004	-9.0309e+004
	1.3122e+003	4.4183e+002	3.0653e+002	3.7012e+003	2.1683e+004	-7.3407e+004
167	8.4139e+002	4.2804e+002	3.4916e+002	2.3050e+003	-2.1504e+004	-1.3953e+005
	8.4139e+002	4.2804e+002	3.4916e+002	2.3050e+003	2.3393e+004	-1.0452e+005
168	9.1774e+002	-4.7107e+002	3.7428e+002	3.3556e+003	-2.3701e+004	-1.1242e+005
	9.1774e+002	-4.7107e+002	3.7428e+002	3.3556e+003	2.4434e+004	-1.6596e+005
169	-1.1560e+003	-3.3234e+002	4.0357e+002	3.8644e+003	-2.6014e+004	-1.7307e+005
	-1.1560e+003	-3.3234e+002	4.0357e+002	3.8644e+003	2.5745e+004	-2.1017e+005
170	-1.2957e+003	3.4595e+002	4.3263e+002	8.2354e+002	-2.8397e+004	-2.2135e+005
	-1.2957e+003	3.4595e+002	4.3263e+002	8.2354e+002	2.7109e+004	-1.7987e+005
171	-1.1283e+003	1.9612e+002	4.3494e+002	-6.4721e+002	-2.7910e+004	-2.2115e+005
	-1.1283e+003	1.9612e+002	4.3494e+002	-6.4721e+002	2.7870e+004	-1.9879e+005
172	-1.3422e+003	-7.2096e+002	4.1148e+002	2.3347e+003	-2.6721e+004	-1.3364e+005
	-1.3422e+003	-7.2096e+002	4.1148e+002	2.3347e+003	2.6061e+004	-2.2530e+005
173	-1.8135e+003	-7.5755e+002	3.7691e+002	3.1598e+003	-2.6031e+004	-1.1054e+005
	-1.8135e+003	-7.5755e+002	3.7691e+002	3.1598e+003	2.2311e+004	-2.0683e+005
181	-3.3500e+003	-4.9284e+002	1.1309e+002	-7.3304e+002	-5.9523e+003	-6.7921e+004
	-3.3500e+003	-4.9284e+002	1.1309e+002	-7.3304e+002	6.4088e+003	-1.2162e+005
182	0.0000e+000	-7.2459e+002	1.0544e+002	-5.4157e+003	-6.9628e+003	0.0000e+000
	0.0000e+000	-7.2459e+002	1.0544e+002	-5.4157e+003	3.8931e+003	-7.2459e+004
183	-6.2253e+003	-8.8942e+000	8.1775e+000	-3.2305e+003	-9.1452e+002	4.9607e+003
	-6.2253e+003	-8.8942e+000	8.1775e+000	-3.2305e+003	-4.7399e+002	4.0812e+003
184	3.1712e+003	5.5363e+002	1.5406e+002	-1.0932e+004	-7.8226e+003	-6.9548e+004
	3.1712e+003	5.5363e+002	1.5406e+002	-1.0932e+004	1.4621e+004	0.0000e+000
185	5.6911e+003	-7.7518e+001	1.3736e+002	2.0171e+003	-1.0045e+004	-1.1197e+005
	5.6911e+003	-7.7518e+001	1.3736e+002	2.0171e+003	9.8985e+003	-1.0383e+005
186	2.8261e+003	-4.1592e+001	1.4660e+002	1.5221e+003	-8.7403e+003	-1.6232e+005
	2.8261e+003	-4.1592e+001	1.4660e+002	1.5221e+003	1.0407e+004	-1.6441e+005
187	2.4055e+003	-6.5914e+001	1.5567e+002	1.1459e+003	-1.0507e+004	-1.9942e+005
	2.4055e+003	-6.5914e+001	1.5567e+002	1.1459e+003	9.7239e+003	-2.0692e+005
188	9.2063e+002	-6.1917e+001	1.6395e+002	7.5809e+002	-1.0434e+004	-2.2894e+005
	9.2063e+002	-6.1917e+001	1.6395e+002	7.5809e+002	1.0613e+004	-2.3637e+005
189	6.1742e+002	-1.7838e+002	1.6463e+002	4.8583e+002	-1.1064e+004	-2.3352e+005
	6.1742e+002	-1.7838e+002	1.6463e+002	4.8583e+002	1.0093e+004	-2.5628e+005
190	-3.2133e+002	-2.7491e+002	1.5762e+002	4.8539e+002	-1.0148e+004	-2.1502e+005
	-3.2133e+002	-2.7491e+002	1.5762e+002	4.8539e+002	1.0068e+004	-2.5019e+005
191	-8.1952e+002	-3.5011e+002	1.3718e+002	5.3462e+002	-9.0502e+003	-1.7940e+005
	-8.1952e+002	-3.5011e+002	1.3718e+002	5.3462e+002	8.5569e+003	-2.2423e+005
192	-2.8478e+003	-4.0337e+002	1.2026e+002	-8.2513e+002	-8.4554e+003	-1.2921e+005
	-2.8478e+003	-4.0337e+002	1.2026e+002	-8.2513e+002	6.9939e+003	-1.8099e+005
200	-3.3614e+003	-2.7395e+002	-3.6889e+001	-6.8754e+002	2.3315e+003	-8.3938e+004
	-3.3614e+003	-2.7395e+002	-3.6889e+001	-6.8754e+002	-1.7694e+003	-1.1289e+005
201	0.0000e+000	-4.5924e+002	-2.7431e+001	-2.3795e+003	-1.1239e+003	0.0000e+000
	0.0000e+000	-4.5924e+002	-2.7431e+001	-2.3795e+003	-2.0302e+003	-4.5924e+004
202	-6.4097e+003	4.9944e+001	5.2092e+000	-2.7343e+003	7.9539e+002	-8.4155e+003

	-6.4097e+003	4.9944e+001	5.2092e+000	-2.7343e+003	1.1088e+003	-3.7165e+003
203	6.6968e+003	4.7339e+002	5.9767e+001	1.1664e+004	7.6116e+003	-5.9468e+004
	6.6968e+003	4.7339e+002	5.9767e+001	1.1664e+004	8.5115e+003	0.0000e+000
204	6.3714e+003	2.7626e+002	7.0776e+001	-1.8449e+003	-5.1319e+003	-1.2667e+005
	6.3714e+003	2.7626e+002	7.0776e+001	-1.8449e+003	-8.3820e+003	-9.2798e+004
205	3.1308e+003	1.9680e+002	6.7906e+001	-1.4349e+003	-5.2995e+003	-1.8908e+005
	3.1308e+003	1.9680e+002	6.7906e+001	-1.4349e+003	4.3794e+003	-1.6510e+005
206	3.1308e+003	1.4036e+002	6.7633e+001	-1.0846e+003	-3.9135e+003	-2.3659e+005
	3.1308e+003	1.4036e+002	6.7633e+001	-1.0846e+003	5.4049e+003	-2.1949e+005
207	1.6804e+003	-7.2215e+001	6.5420e+001	-8.6562e+002	-4.6670e+003	-2.6555e+005
	1.6804e+003	-7.2215e+001	6.5420e+001	-8.6562e+002	3.8029e+003	-2.5731e+005
208	1.3946e+003	-3.4195e+001	6.2253e+001	-7.0220e+002	-3.6042e+003	-2.7173e+005
	1.3946e+003	-3.4195e+001	6.2253e+001	-7.0220e+002	4.4824e+003	-2.7482e+005
209	-6.5709e+002	-9.6048e+001	5.7432e+001	-6.1508e+002	-4.0013e+003	-2.5595e+005
	-6.5709e+002	-9.6048e+001	5.7432e+001	-6.1508e+002	3.3763e+003	-2.6810e+005
210	-1.0415e+003	-1.5137e+002	4.8110e+001	-6.0626e+002	-2.8879e+003	-2.1912e+005
	-1.0415e+003	-1.5137e+002	4.8110e+001	-6.0626e+002	3.3250e+003	-2.3843e+005
211	-2.9350e+003	-2.3664e+002	4.1554e+001	-7.1354e+002	2.6701e+003	-1.8742e+005
	-2.9350e+003	-2.3664e+002	4.1554e+001	-7.1354e+002	2.6701e+003	-1.8742e+005
219	-3.8229e+003	-1.8161e+002	-2.1576e+002	2.8421e+003	1.0812e+004	-1.0396e+005
	-3.8229e+003	-1.8161e+002	-2.1576e+002	2.8421e+003	-1.2743e+004	-1.1479e+005
220	0.0000e+000	-1.0545e+003	-2.1298e+002	1.8098e+004	1.1600e+004	0.0000e+000
	0.0000e+000	-1.0545e+003	-2.1298e+002	1.8098e+004	-9.8049e+003	-1.0545e+005
222	-5.3104e+003	1.2189e+003	-1.4138e+001	1.6968e+003	2.3287e+003	-5.2968e+004
	-5.3104e+003	1.2189e+003	-1.4138e+001	1.6968e+003	1.1211e+003	6.9172e+004
223	6.4537e+003	7.5298e+002	-1.5120e+002	1.1419e+004	1.0971e+004	-9.4591e+004
	6.4537e+003	7.5298e+002	-1.5120e+002	1.1419e+004	-1.3681e+004	0.0000e+000
224	6.6694e+003	1.0834e+002	-1.5622e+002	-2.3538e+003	9.4480e+003	-1.4055e+005
	6.6694e+003	1.0834e+002	-1.5622e+002	-2.3538e+003	-1.4082e+004	-1.2910e+005
225	3.9424e+003	7.4145e+001	-1.6131e+002	-2.0195e+003	1.0918e+004	-1.9725e+005
	3.9424e+003	7.4145e+001	-1.6131e+002	-2.0195e+003	-1.0162e+004	-1.9068e+005
226	3.7148e+003	8.1558e+001	-1.7834e+002	-1.8707e+003	1.0223e+004	-2.4067e+005
	3.7148e+003	8.1558e+001	-1.7834e+002	-1.8707e+003	-1.3067e+004	-2.3261e+005
227	1.7242e+003	-4.1197e+001	-1.8201e+002	-1.8062e+003	1.2245e+004	-2.5929e+005
	1.7242e+003	-4.1197e+001	-1.8201e+002	-1.8062e+003	-1.1112e+004	-2.6044e+005
228	-1.5736e+003	-6.8633e+001	-1.9082e+002	-1.7640e+003	1.1533e+004	-2.5721e+005
	-1.5736e+003	-6.8633e+001	-1.9082e+002	-1.7640e+003	-1.3041e+004	-2.6263e+005
229	-1.0519e+003	-8.2431e+001	-1.9154e+002	2.0184e+003	1.2407e+004	-2.3899e+005
	-1.0519e+003	-8.2431e+001	-1.9154e+002	2.0184e+003	-1.2177e+004	-2.4499e+005
230	-1.3567e+003	-8.1157e+001	-1.9589e+002	2.5595e+003	1.1472e+004	-2.1197e+005
	-1.3567e+003	-8.1157e+001	-1.9589e+002	2.5595e+003	-1.3695e+004	-2.1475e+005
231	-3.3551e+003	-1.6238e+002	-1.7560e+002	3.2747e+003	1.1551e+004	-1.6274e+005
	-3.3551e+003	-1.6238e+002	-1.7560e+002	3.2747e+003	-1.1073e+004	-1.7564e+005
237	-3.0002e+003	6.2363e+002	-3.1339e+002	1.6867e+003	1.6415e+004	2.5283e+004
	-3.0002e+003	6.2363e+002	-3.1339e+002	1.6867e+003	-1.7869e+004	8.6085e+004
238	0.0000e+000	5.2541e+002	-3.0396e+002	1.0315e+004	1.8010e+004	0.0000e+000
	0.0000e+000	5.2541e+002	-3.0396e+002	1.0315e+004	-1.2518e+004	5.2541e+004
243	-3.5091e+003	2.6765e+003	-2.7264e+001	9.8360e+003	2.3730e+003	-9.6246e+004
	-3.5091e+003	2.6765e+003	-2.7264e+001	9.8360e+003	-2.6262e+003	1.7141e+005
244	-1.2547e+003	3.7342e+002	-2.4857e+002	-1.3973e+004	2.1349e+004	-4.6909e+004
	-1.2547e+003	3.7342e+002	-2.4857e+002	-1.3973e+004	-1.4870e+004	0.0000e+000
245	3.2252e+003	3.0908e+002	-3.4562e+002	-3.1057e+003	1.8225e+004	-8.9393e+004
	3.2252e+003	3.0908e+002	-3.4562e+002	-3.1057e+003	-2.7663e+004	-8.4452e+004
246	3.2568e+003	2.7012e+002	-3.6476e+002	-2.7561e+003	2.3864e+004	-1.1516e+005
	3.2568e+003	2.7012e+002	-3.6476e+002	-2.7561e+003	-2.3036e+004	-1.0632e+005
247	-4.0542e+003	-4.5410e+002	-3.7426e+002	-4.2879e+003	2.1569e+004	9.0296e+004
	-4.0542e+003	-4.5410e+002	-3.7426e+002	-4.2879e+003	-2.6689e+004	-1.4135e+005
248	-3.4260e+003	-5.0940e+002	-4.0448e+002	-2.7909e+003	2.6749e+004	-1.1308e+005
	-3.4260e+003	-5.0940e+002	-4.0448e+002	-2.7909e+003	-2.5125e+004	-1.7240e+005
249	-4.3812e+003	3.3125e+002	-4.1987e+002	1.3742e+003	2.5954e+004	-1.4000e+005
	-4.3812e+003	3.3125e+002	-4.1987e+002	1.3742e+003	-2.8003e+004	1.2825e+005
250	-4.8923e+003	3.5102e+002	-3.8863e+002	1.5856e+003	2.4429e+004	-1.3843e+005
	-4.8923e+003	3.5102e+002	-3.8863e+002	1.5856e+003	-2.5456e+004	1.3394e+005
251	-4.9443e+003	-7.3807e+002	-3.1253e+002	-3.7406e+003	1.8661e+004	8.7888e+004
	-4.9443e+003	-7.3807e+002	-3.1253e+002	-3.7406e+003	-2.1724e+004	-1.5752e+005
252	-3.4526e+003	-1.0066e+003	-2.9342e+002	-3.5254e+003	1.9858e+004	8.3992e+004
	-3.4526e+003	-1.0066e+003	-2.9342e+002	-3.5254e+003	-1.7909e+004	-1.7715e+005

Condizione "(1) G1"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
12	-8.1523e+003	-3.3271e+003	6.5326e+001	-2.5459e+003	7.7893e+002	2.8064e+005
	-8.1523e+003	-6.0626e+002	6.5326e+001	-2.5459e+003	7.3115e+003	8.3972e+004
13	-6.0092e+003	-2.7497e+003	-1.2388e+000	2.1867e+001	2.7981e+003	1.7293e+005
	-6.0092e+003	-9.8922e+001	-1.2388e+000	2.1867e+001	2.6742e+003	3.0494e+004
14	-3.3423e+003	-1.7627e+003	-1.1473e+001	2.8987e+003	3.3792e+003	1.1412e+005
	-3.3423e+003	8.1808e+002	-1.1473e+001	2.8987e+003	2.2319e+003	6.6890e+004
15	-5.4229e+003	-1.7517e+003	9.0350e+000	8.0387e+002	2.4193e+003	1.6620e+005

	-5.4229e+003	8.2909e+002	9.0350e+000	8.0387e+002	3.3228e+003	1.2007e+005
16	-7.8762e+003	-2.1107e+003	-8.6112e+001	-1.1535e+003	5.6413e+003	1.5008e+005
	-7.8762e+003	4.7013e+002	-8.6112e+001	-1.1535e+003	-2.9699e+003	6.8051e+006
162	-6.5372e+003	-8.2752e+003	4.4182e+002	-1.6198e+004	-2.3012e+004	-1.6098e+006
	-6.5379e+003	-5.0606e+003	4.4182e+002	-1.6198e+004	2.5153e+004	-2.3367e+006
163	0.0000e+000	-1.2795e+004	4.7642e+002	-6.2957e+004	-2.5825e+004	0.0000e+000
	-6.2885e+001	-9.8462e+003	4.7642e+002	-6.2957e+004	2.1817e+004	-1.1321e+006
164	-4.1284e+003	-1.5234e+003	5.8284e+001	2.8923e+003	-3.1714e+003	6.4624e+004
	-4.1284e+003	1.0574e+003	5.8284e+001	2.8923e+003	2.6571e+003	4.1323e+004
165	-1.4334e+004	9.9421e+003	-2.8605e+002	1.5073e+004	1.5000e+004	-1.4785e+006
	-1.4939e+004	1.3597e+004	-2.8605e+002	1.5073e+004	-2.0934e+004	0.0000e+000
166	-1.0082e+004	1.4900e+003	-3.1167e+002	2.5920e+004	1.6791e+004	-2.3940e+006
	-1.0602e+004	5.2356e+003	-3.1167e+002	2.5920e+004	-2.3179e+004	-1.9627e+006
167	-1.0602e+004	-5.2398e+002	-3.0068e+002	2.2432e+004	1.6858e+004	-3.3281e+006
	-1.1058e+004	3.2301e+003	-3.0068e+002	2.2432e+004	-2.1701e+004	-3.1545e+006
168	-1.2060e+004	-2.1637e+003	-2.3939e+002	1.7159e+004	1.1703e+004	-3.9501e+006
	-1.2451e+004	1.5977e+003	-2.3939e+002	1.7159e+004	-1.8998e+004	-3.9864e+006
169	-1.3056e+004	-3.3942e+003	-1.3280e+002	1.0214e+004	5.3411e+003	-4.2889e+006
	-1.3381e+004	3.7335e+002	-1.3280e+002	1.0214e+004	-1.1689e+004	-4.4826e+006
170	-1.3309e+004	-4.4697e+003	-4.3268e+000	2.7964e+003	-2.9337e+003	-4.3395e+006
	-1.3569e+004	-6.9708e+002	-4.3268e+000	2.7964e+003	-3.4886e+003	-4.6708e+006
171	-1.2686e+004	-5.4893e+003	1.2903e+002	-4.2217e+003	-1.0867e+004	-4.0997e+006
	-1.2882e+004	-1.7127e+003	1.2903e+002	-4.2217e+003	5.6798e+003	-4.5615e+006
172	-1.1225e+004	-6.4010e+003	2.4621e+002	-1.0816e+004	-1.7750e+004	-3.5658e+006
	-1.1355e+004	-2.6216e+003	2.4621e+002	-1.0816e+004	1.3825e+004	-4.1444e+006
173	-9.9145e+003	-7.6094e+003	3.3801e+002	-1.4852e+004	-2.3228e+004	-2.6897e+006
	-9.9791e+003	-3.8283e+003	3.3801e+002	-1.4852e+004	2.0120e+004	-3.4231e+006
181	6.1490e+002	-6.4303e+003	-2.3417e+002	-8.7745e+003	1.3703e+004	-2.1272e+006
	6.1426e+002	-3.2157e+003	-2.3417e+002	-8.7745e+003	-1.1825e+004	-2.6530e+006
182	0.0000e+000	-1.4943e+004	-2.7030e+002	-2.0333e+004	1.3090e+004	0.0000e+000
	-6.2885e+001	-1.1994e+004	-2.7030e+002	-2.0333e+004	-1.3941e+004	-1.3468e+006
183	-4.1992e+003	-1.5562e+003	-3.4944e+001	-3.4237e+001	1.5187e+003	6.6166e+004
	-4.1992e+003	1.0246e+003	-3.4944e+001	-3.4237e+001	-1.9757e+003	3.9588e+004
184	-5.1636e+003	1.1950e+004	2.3578e+002	9.0626e+003	-1.2697e+004	-1.7308e+006
	-5.7689e+003	1.5605e+004	2.3578e+002	9.0626e+003	1.6922e+004	0.0000e+000
185	1.2633e+002	3.8327e+003	1.8144e+002	1.2889e+004	-1.2526e+004	-3.1695e+006
	-3.9411e+002	7.5784e+003	1.8144e+002	1.2889e+004	1.0741e+004	-2.4378e+006
186	3.5946e+003	2.2467e+003	1.4631e+002	1.0559e+004	-9.3342e+003	-4.4819e+006
	3.1389e+003	6.0007e+003	1.4631e+002	1.0559e+004	9.4295e+003	-3.9530e+006
187	6.4287e+003	7.6287e+002	1.0047e+002	7.5863e+003	-7.1570e+003	-5.3773e+006
	6.0380e+003	4.5243e+003	1.0047e+002	7.5863e+003	5.7276e+003	-5.0383e+006
188	8.2019e+003	-6.5740e+002	4.9459e+001	4.1969e+003	-3.1677e+003	-5.8544e+006
	7.8763e+003	3.1102e+003	4.9459e+001	4.1969e+003	3.1750e+003	-5.6972e+006
189	8.7612e+003	-2.0500e+003	-9.9185e+000	6.9613e+002	5.7568e+002	-5.9109e+006
	8.5007e+003	1.7226e+003	-9.9185e+000	6.9613e+002	-6.9629e+002	-5.9319e+006
190	8.1035e+003	-3.4515e+003	-6.9928e+001	-2.6107e+003	4.7291e+003	-5.5435e+006
	7.9083e+003	3.2505e+002	-6.9928e+001	-2.6107e+003	-4.2386e+003	-5.7440e+006
191	6.3182e+003	-4.9148e+003	-1.2548e+002	-5.4569e+003	8.3292e+003	-4.7462e+006
	6.1883e+003	-1.1354e+003	-1.2548e+002	-5.4569e+003	-7.7630e+003	-5.1342e+006
192	3.2264e+003	-6.4570e+003	-1.7066e+002	-7.4666e+003	1.1232e+004	-3.5147e+006
	3.1619e+003	-2.6759e+003	-1.7066e+002	-7.4666e+003	-1.0654e+004	-4.1004e+006
200	8.5964e+002	-7.2911e+003	-1.2825e+001	1.1998e+003	8.8832e+002	-2.2019e+006
	8.5900e+002	-4.0765e+003	-1.2825e+001	1.1998e+003	-5.0983e+002	-2.8215e+006
201	0.0000e+000	-1.5442e+004	-6.7337e+000	-7.8918e+003	2.5286e+001	0.0000e+000
	-6.2885e+001	-1.2494e+004	-6.7337e+000	-7.8918e+003	-6.4808e+002	-1.3968e+006
202	-3.7938e+003	-1.5072e+003	1.0277e-001	-2.8860e+003	2.6897e+002	6.3667e+004
	-3.7938e+003	1.0736e+003	1.0277e-001	-2.8860e+003	2.7925e+002	4.1988e+004
203	-1.3788e+003	1.2763e+004	2.4289e+001	-5.7188e+002	-1.3505e+003	-1.8329e+006
	-1.9840e+003	1.6418e+004	2.4289e+001	-5.7188e+002	1.7006e+003	0.0000e+000
204	1.0349e+003	4.7774e+003	2.2779e+001	3.4941e+003	-2.9295e+003	-3.3878e+006
	5.1450e+002	8.5231e+003	2.2779e+001	3.4941e+003	-8.3085e+000	-2.5350e+006
205	4.1130e+003	3.0275e+003	1.4588e+001	2.9762e+003	-5.9108e+002	-4.7890e+006
	3.6574e+003	6.7816e+003	1.4588e+001	2.9762e+003	1.2797e+003	-4.1600e+006
206	7.4313e+003	1.3095e+003	-1.8360e+000	2.5119e+003	-3.7683e+002	-5.7458e+006
	7.0406e+003	5.0709e+003	-1.8360e+000	2.5119e+003	-6.1229e+002	-5.3367e+006
207	9.6384e+002	-3.8786e+002	-8.8661e+000	2.1299e+003	5.9730e+002	-6.2508e+006
	9.3129e+003	3.3797e+003	-8.8661e+000	2.1299e+003	-5.3972e+002	-6.0590e+006
208	1.0352e+004	-2.0668e+003	-1.5435e+001	1.8375e+003	8.2541e+002	-6.2997e+006
	1.0091e+004	1.7059e+003	-1.5435e+001	1.8375e+003	-1.1541e+003	-6.3228e+006
209	9.5792e+002	-3.7465e+003	-1.6830e+001	1.6400e+003	1.1372e+003	-5.8896e+006
	9.3840e+003	3.0097e+001	-1.6830e+001	1.6400e+003	-1.0211e+003	-6.1279e+006
210	7.4698e+003	-5.4507e+003	-1.7672e+001	1.5427e+003	1.1498e+003	-5.0190e+006
	7.3400e+003	-1.6713e+003	-1.7672e+001	1.5427e+003	-1.1166e+003	-5.4757e+006
211	3.9237e+003	-7.1819e+003	-1.2264e+001	1.5629e+003	1.0588e+003	-3.6900e+006
	3.8592e+003	-3.4008e+003	-1.2264e+001	1.5629e+003	-5.1391e+002	-4.3685e+006
219	3.3736e+002	-6.1899e+003	2.3203e+002	1.2952e+004	-1.3340e+004	-2.1768e+006

	3.3670e+002	-2.8989e+003	2.3203e+002	1.2952e+004	1.1954e+004	-2.6722e+006
220	0.0000e+000	-1.5159e+004	2.5860e+002	-3.4864e+003	-1.2933e+004	0.0000e+000
	-6.4378e+001	-1.2140e+004	2.5860e+002	-3.4864e+003	1.2927e+004	-1.3650e+006
222	-4.1406e+003	-2.1745e+002	3.7444e+001	-2.4540e+003	-1.1238e+003	1.6808e+004
	-4.1406e+003	2.4334e+003	3.7444e+001	-2.4540e+003	2.6206e+003	1.2760e+005
223	-5.7865e+003	1.2450e+004	-2.8614e+002	-1.8213e+004	1.6172e+004	-1.7990e+006
	-6.4061e+003	1.6191e+004	-2.8614e+002	-1.8213e+004	-1.9773e+004	0.0000e+000
224	6.3715e+002	3.4268e+003	-2.4047e+002	-8.3073e+003	1.2445e+004	-3.2245e+006
	1.0436e+002	7.2614e+003	-2.4047e+002	-8.3073e+003	-1.8393e+004	-2.5392e+006
225	4.0770e+003	1.8622e+003	-1.7058e+002	-6.9059e+003	1.0787e+004	-4.5598e+006
	3.6105e+003	5.7054e+003	-1.7058e+002	-6.9059e+003	-1.1088e+004	-4.0746e+006
226	6.8111e+003	4.0789e+002	-1.0927e+002	-4.6207e+003	6.1272e+003	-5.4681e+006
	6.4111e+003	4.2586e+003	-1.0927e+002	-4.6207e+003	-7.8856e+003	-5.1689e+006
227	8.5304e+003	-9.7847e+002	-4.6793e+001	-1.6514e+003	2.5741e+003	-5.9475e+006
	8.1970e+003	2.8786e+003	-4.6793e+001	-1.6514e+003	-3.4267e+003	-5.8257e+006
228	8.8821e+003	-2.2980e+003	2.0173e+001	1.5968e+003	-1.8743e+003	-6.0007e+006
	8.6155e+003	1.5642e+003	2.0173e+001	1.5968e+003	7.1279e+002	-6.0478e+006
229	8.0007e+003	-3.6178e+003	8.3824e+001	8.8444e+003	-5.6759e+003	-5.6265e+006
	7.8009e+003	2.4840e+002	8.3824e+001	8.8444e+003	5.0739e+003	-5.8425e+006
230	6.0801e+003	-4.9933e+003	1.4340e+002	7.8676e+003	-9.5575e+003	-4.8191e+006
	5.9471e+003	-1.1242e+003	1.4340e+002	7.8676e+003	8.8327e+003	-5.2113e+006
231	2.9385e+003	-6.4299e+003	1.7031e+002	1.0332e+004	-1.0766e+004	-3.5757e+006
	2.8725e+003	-2.5591e+003	1.7031e+002	1.0332e+004	1.1075e+004	-4.1521e+006
237	-7.3341e+003	-4.1520e+001	-4.4257e+002	3.3199e+004	2.3447e+004	-1.9745e+006
	-7.3348e+003	3.3257e+003	-4.4257e+002	3.3199e+004	-2.4800e+004	-1.7955e+006
238	0.0000e+000	-1.3930e+004	-4.7543e+002	5.3806e+003	2.5801e+004	0.0000e+000
	-6.5871e+001	-1.0841e+004	-4.7543e+002	5.3806e+003	-2.1742e+004	-1.2386e+006
243	-4.1946e+003	-4.9824e+002	-5.3129e+001	1.9846e+002	3.2145e+003	2.5111e+004
	-4.1946e+003	2.2226e+003	-5.3129e+001	1.9846e+002	-2.0984e+003	1.1133e+005
244	-1.5603e+004	1.0832e+004	4.0864e+002	-4.7616e+004	-2.2684e+004	-1.6012e+006
	-1.6237e+004	1.4660e+004	4.0864e+002	-4.7616e+004	2.8649e+004	0.0000e+000
245	-1.2107e+004	3.9333e+003	3.6090e+002	-1.8692e+004	-2.4324e+004	-2.7499e+006
	-1.2652e+004	7.8568e+003	3.6090e+002	-1.8692e+004	2.1959e+004	-1.9939e+006
246	-1.2808e+004	2.7894e+003	3.0512e+002	-1.5560e+004	-1.7679e+004	-3.6957e+006
	-1.3286e+004	6.7217e+003	3.0512e+002	-1.5560e+004	2.1451e+004	-3.0859e+006
247	-1.4177e+004	1.8116e+003	1.9807e+002	-1.0316e+004	-1.0871e+004	-4.3125e+006
	-1.4587e+004	5.7515e+003	1.9807e+002	-1.0316e+004	1.4530e+004	-3.8276e+006
248	-1.4966e+004	1.0715e+003	9.1443e+001	-3.0414e+003	-3.1412e+003	-4.6315e+006
	-1.5307e+004	5.0180e+003	9.1443e+001	-3.0414e+003	8.5857e+003	-4.2410e+006
249	-1.5186e+004	2.6611e+001	-4.6409e+001	3.5424e+003	5.8802e+003	-4.6234e+006
	-1.5458e+004	3.9784e+003	-4.6409e+001	3.5424e+003	-7.1420e+001	-4.3666e+006
250	-1.4523e+004	-1.3417e+003	-1.8292e+002	9.5661e+003	1.4921e+004	-4.2902e+006
	-1.4727e+004	2.6142e+003	-1.8292e+002	9.5661e+003	-8.5366e+003	-4.2086e+006
251	-1.2703e+004	-2.8546e+003	-3.0830e+002	1.5425e+004	2.2359e+004	-3.6362e+006
	-1.2839e+004	1.1042e+003	-3.0830e+002	1.5425e+004	-1.7178e+004	-3.7485e+006
252	-1.0946e+004	-4.9087e+003	-3.4649e+002	1.9091e+004	2.4626e+004	-2.6091e+006
	-1.1014e+004	-9.4810e+002	-3.4649e+002	1.9091e+004	-1.9808e+004	-2.9846e+006

Condizione "(1) G2"						
Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
12	-4.6944e+003	-2.4120e+003	5.4204e+001	-9.3056e+002	-1.6070e+003	1.0126e+005
	-4.6944e+003	1.3580e+003	5.4204e+001	-9.3056e+002	3.8134e+003	4.8567e+004
13	-4.8592e+003	-2.4708e+003	-3.4325e+001	-1.7761e+002	2.7200e+003	9.8602e+004
	-4.8592e+003	1.2192e+003	-3.4325e+001	-1.7761e+002	-7.1258e+002	3.6023e+004
14	-4.0563e+003	-2.1110e+003	6.8511e+000	3.4418e+002	-8.8163e+001	7.6520e+004
	-4.0563e+003	1.4990e+003	6.8511e+000	3.4418e+002	5.9695e+002	4.5924e+004
15	-4.2581e+003	-2.1542e+003	2.7650e+001	2.6652e+002	-1.5322e+003	8.1501e+004
	-4.2581e+003	1.4558e+003	2.7650e+001	2.6652e+002	1.2328e+003	4.6577e+004
16	-4.2883e+003	-2.2458e+003	-4.6501e+001	3.0370e+002	2.4255e+003	7.4349e+004
	-4.2883e+003	1.3642e+003	-4.6501e+001	3.0370e+002	-2.2246e+003	3.0265e+004
162	-6.4694e+003	-6.9802e+003	4.2075e+002	-1.4176e+004	-2.1932e+004	-1.3099e+006
	-6.4699e+003	-4.2549e+003	4.2075e+002	-1.4176e+004	2.3936e+004	-1.9223e+006
163	0.0000e+000	-1.0393e+004	4.5430e+002	-5.1226e+004	-2.4611e+004	0.0000e+000
	-5.3314e+001	-7.8930e+003	4.5430e+002	-5.1226e+004	2.0819e+004	-9.1430e+005
164	-3.8814e+003	-1.4014e+003	5.5762e+001	1.9449e+003	-3.0037e+003	4.6857e+004
	-3.8814e+003	1.0986e+003	5.5762e+001	1.9449e+003	2.5725e+003	3.1712e+004
165	-8.5639e+003	8.2375e+003	-2.8941e+002	1.0528e+004	1.5412e+004	-1.2294e+006
	-9.0769e+003	1.1336e+004	-2.8941e+002	1.0528e+004	-2.0945e+004	0.0000e+000
166	-9.1646e+003	1.2601e+003	-3.1197e+002	2.2199e+004	1.7340e+004	-1.9755e+006
	-9.6059e+003	4.4356e+003	-3.1197e+002	2.2199e+004	-2.2668e+004	-1.6103e+006
167	-1.0023e+004	-4.9134e+002	-2.8609e+002	1.9517e+004	1.6112e+004	-2.7375e+006
	-1.0410e+004	2.6914e+003	-2.8609e+002	1.9517e+004	-2.0577e+004	-2.5965e+006
168	-1.1321e+004	-1.8602e+003	-2.1850e+002	1.5016e+004	1.1063e+004	-3.2449e+006
	-1.1652e+004	1.3287e+003	-2.1850e+002	1.5016e+004	-1.6958e+004	-3.2789e+006
169	-1.2140e+004	-2.8778e+003	-1.1698e+002	8.9247e+003	4.8495e+003	-3.5182e+006
	-1.2416e+004	3.1632e+002	-1.1698e+002	8.9247e+003	-1.0152e+004	-3.6825e+006
170	-1.2376e+004	-3.7922e+003	8.9704e+001	2.5874e+003	-2.6816e+003	-3.5554e+006

	-1.2597e+004	-5.9377e+002	8.9704e-001	2.5874e+003	-2.5666e+003	-3.8367e+006
171	-1.1896e+004	-4.6494e+003	1.2271e+002	-3.4592e+003	-1.0048e+004	-3.3559e+006
	-1.2061e+004	-1.4476e+003	1.2271e+002	-3.4592e+003	5.6881e+003	-3.7468e+006
172	-1.0680e+004	-5.4065e+003	2.3178e+002	-9.1713e+003	-1.6497e+004	-2.9169e+006
	-1.0790e+004	-2.2024e+003	2.3178e+002	-9.1713e+003	1.3227e+004	-3.4048e+006
173	-9.5965e+003	-6.3745e+003	3.2048e+002	-1.2864e+004	-2.2023e+004	-2.2013e+006
	-9.6512e+003	-3.1689e+003	3.2048e+002	-1.2864e+004	1.9076e+004	-2.8133e+006
181	4.8764e+002	-5.4063e+003	-2.2831e+002	-8.4409e+003	1.3352e+004	-1.7984e+006
	4.8709e+002	-2.6810e+003	-2.2831e+002	-8.4409e+003	-1.1537e+004	-2.2392e+006
182	0.0000e+000	-1.2632e+004	-2.6442e+002	-1.8119e+004	1.2859e+004	0.0000e+000
	-5.3314e-001	-1.0132e+004	-2.6442e+002	-1.8119e+004	-1.3583e+004	-1.1382e+006
183	-3.8743e+003	-1.4360e+003	-3.5461e+001	-4.8216e+001	1.4907e+003	5.0270e+004
	-3.8743e+003	1.0640e+003	-3.5461e+001	-4.8216e+001	-2.0554e+003	3.1669e+004
184	-4.4630e+003	1.0119e+004	1.7914e+002	4.6311e+003	-1.2323e+004	-1.4658e+006
	-4.9761e+003	1.3218e+004	1.7914e+002	4.6311e+003	1.0181e+004	0.0000e+000
185	-2.1653e+002	3.1333e+003	1.8605e+002	1.1068e+004	-1.2411e+004	-2.6679e+006
	-6.5776e+002	6.3089e+003	1.8605e+002	1.1068e+004	1.1449e+004	-2.0625e+006
186	3.2420e+003	1.8043e+003	1.5845e+002	9.1326e+003	-1.0083e+004	-3.7746e+006
	2.8558e+003	4.9870e+003	1.5845e+002	9.1326e+003	1.0236e+004	-3.3392e+006
187	5.7654e+003	5.6385e+002	1.1291e+002	6.5278e+003	-7.5527e+003	-4.5303e+006
	5.4342e+003	3.7528e+003	1.1291e+002	6.5278e+003	6.9272e+003	-4.2535e+006
188	7.4342e+003	-6.2242e+002	5.9550e+001	3.4816e+003	-3.7745e+003	-4.9333e+006
	7.1582e+003	2.5717e+003	5.9550e+001	3.4816e+003	3.8623e+003	-4.8083e+006
189	7.9700e+003	-1.7780e+003	-5.1849e-002	2.9998e+002	1.4929e+001	-4.9824e+006
	7.7492e+003	1.4205e+003	-5.1849e-002	2.9998e+002	8.2794e+000	-5.0053e+006
190	7.4103e+003	-2.9398e+003	-6.0462e+001	-2.7328e+003	4.0909e+003	-4.6748e+006
	7.2448e+003	2.6202e+002	-6.0462e+001	-2.7328e+003	-3.6628e+003	-4.8465e+006
191	5.8407e+003	-4.1545e+003	-1.1779e+002	-5.3554e+003	7.8482e+003	-4.0049e+006
	5.7306e+003	-9.5031e+002	-1.1779e+002	-5.3554e+003	-7.2573e+003	-4.3322e+006
192	2.9003e+003	-5.4417e+003	-1.6467e+002	-7.2242e+003	1.0836e+004	-2.9681e+006
	2.8456e+003	-2.2361e+003	-1.6467e+002	-7.2242e+003	-1.0281e+004	-3.4604e+006
200	6.1956e+002	-6.2437e+003	-6.3255e+000	-4.6576e+001	5.7172e+002	-1.8783e+006
	6.1901e+002	-3.5183e+003	-6.3255e+000	-4.6576e+001	-1.1786e+002	-2.4104e+006
201	0.0000e+000	-1.3261e+004	-3.4707e+000	-7.5168e+003	-1.2622e+002	0.0000e+000
	-5.3314e-001	-1.0761e+004	-3.4707e+000	-7.5168e+003	-4.7329e+002	-1.2011e+006
202	-3.4251e+003	-1.3878e+003	1.6077e+000	-1.9756e+003	3.4428e+001	4.5066e+004
	-3.4251e+003	1.1122e+003	1.6077e+000	-1.9756e+003	1.9520e+002	3.1290e+004
203	-3.6929e+003	1.1010e+004	6.9091e+000	-4.4500e+003	-1.3063e+003	-1.5776e+006
	-4.2060e+003	1.4108e+004	6.9091e+000	-4.4500e+003	-4.3833e+002	0.0000e+000
204	1.0565e+003	3.8948e+003	1.1234e+001	2.2071e+003	-1.3839e+003	-2.8876e+006
	6.1531e+002	7.0704e+003	1.1234e+001	2.2071e+003	5.6800e+001	-2.1845e+006
205	4.4220e+003	2.4276e+003	7.6212e+000	1.7706e+003	-3.9787e+002	-4.0828e+006
	4.0357e+003	5.6103e+003	7.6212e+000	1.7706e+003	5.7948e+002	-3.5674e+006
206	7.2028e+003	9.8669e+002	1.0370e+000	1.3524e+003	-2.8598e+002	-4.8990e+006
	6.8716e+003	4.1756e+003	1.0370e+000	1.3524e+003	-1.5298e+002	-4.5680e+006
207	9.0628e+003	-4.3687e+002	-2.1744e+000	9.7705e+002	1.6192e+002	-5.3298e+006
	8.7867e+003	2.7573e+003	-2.1744e+000	9.7705e+002	-1.1693e+002	-5.1810e+006
208	9.5784e+003	-1.8483e+003	-5.0837e+000	6.6023e+002	2.6037e+002	-5.3711e+006
	9.3576e+003	1.3501e+003	-5.0837e+000	6.6023e+002	-3.9158e+002	-5.4030e+006
209	8.7661e+003	-3.2632e+003	-6.0696e+000	4.2212e+002	4.7222e+002	-5.0207e+006
	8.6007e+003	-6.1454e+001	-6.0696e+000	4.2212e+002	-3.0616e+002	-5.2339e+006
210	6.7920e+003	-4.7000e+003	-6.1013e+000	2.8686e+002	4.3715e+002	-4.2778e+006
	6.6819e+003	-1.4958e+003	-6.1013e+000	2.8686e+002	-3.4530e+002	-4.6751e+006
211	3.3894e+003	-6.1595e+003	-5.4711e+000	2.8587e+002	6.9485e+002	-3.1451e+006
	3.3347e+003	-2.9539e+003	-5.4711e+000	2.8587e+002	-6.7846e+000	-3.7294e+006
219	1.4464e+002	-5.3264e+003	2.2532e+002	1.0921e+004	-1.2650e+004	-1.8533e+006
	1.4407e+002	-2.5138e+003	2.2532e+002	1.0921e+004	1.1913e+004	-2.2806e+006
220	0.0000e+000	-1.2742e+004	2.5229e+002	1.4192e+003	-1.2727e+004	0.0000e+000
	-5.5020e-001	-1.0162e+004	2.5229e+002	1.4192e+003	1.2503e+004	-1.1452e+006
222	-3.7571e+003	-4.4224e+002	2.9009e+001	-1.5721e+003	-9.5589e+002	1.1681e+004
	-3.7571e+003	2.1378e+003	2.9009e+001	-1.5721e+003	1.9450e+003	9.6457e+004
223	-4.9122e+003	1.0515e+004	-2.1674e+002	-1.4211e+004	1.3214e+004	-1.5217e+006
	-5.4417e+003	1.3712e+004	-2.1674e+002	-1.4211e+004	-1.4013e+004	0.0000e+000
224	8.2284e+002	3.0171e+003	-2.1224e+002	-7.2076e+003	1.2107e+004	-2.7557e+006
	3.6749e+002	6.2942e+003	-2.1224e+002	-7.2076e+003	-1.5112e+004	-2.1586e+006
225	4.2309e+003	1.6676e+003	-1.6100e+002	-6.0512e+003	9.8421e+003	-3.8993e+006
	3.8322e+003	4.9521e+003	-1.6100e+002	-6.0512e+003	-1.0805e+004	-3.4748e+006
226	6.5891e+003	4.1816e+002	-1.0156e+002	-4.1146e+003	5.9264e+003	-4.6770e+006
	6.2473e+003	3.7091e+003	-1.0156e+002	-4.1146e+003	-7.0981e+003	-4.4124e+006
227	8.0200e+003	-7.6763e+002	-3.8424e+001	-1.5965e+003	2.1490e+003	-5.0884e+006
	7.7351e+003	2.5287e+003	-3.8424e+001	-1.5965e+003	-2.7785e+003	-4.9755e+006
228	8.2314e+003	-1.9105e+003	2.5669e+001	1.2127e+003	-1.9341e+003	-5.1343e+006
	8.0035e+003	1.3903e+003	2.5669e+001	1.2127e+003	1.3578e+003	-5.1676e+006
229	7.3272e+003	-3.0572e+003	8.4543e+001	4.0648e+003	-5.4466e+003	-4.8129e+006
	7.1564e+003	2.4709e+002	8.4543e+001	4.0648e+003	5.3955e+003	-4.9931e+006
230	5.4787e+003	-4.2516e+003	1.3535e+002	6.7510e+003	-8.7323e+003	-4.1198e+006

	5.3651e+003	-9.4493e+002	1.3535e+002	6.7510e+003	8.6247e+003	-4.4531e+006
231	2.4413e+003	-5.4949e+003	1.6755e+002	8.9748e+003	-1.0152e+004	-3.0542e+006
	2.3848e+003	-2.1867e+003	1.6755e+002	8.9748e+003	1.1336e+004	-3.5467e+006
237	-5.9990e+003	-3.8791e+001	-3.6319e+002	2.8608e+004	1.9482e+004	-1.7148e+006
	-5.9996e+003	2.8610e+003	-3.6319e+002	2.8608e+004	-2.0111e+004	-1.5610e+006
238	0.0000e+000	-1.1858e+004	-3.8680e+002	7.1134e+003	2.0890e+004	0.0000e+000
	-5.6726e+001	-9.1982e+003	-3.8680e+002	7.1134e+003	-1.7790e+004	-1.0528e+006
243	-3.8150e+003	-1.0372e+003	-4.4786e+001	-1.7925e+002	2.6327e+003	2.8521e+004
	-3.8150e+003	1.6228e+003	-4.4786e+001	-1.7925e+002	-1.8460e+003	5.7802e+004
244	-9.1975e+003	9.2984e+003	3.6045e+002	-3.9354e+004	-2.1068e+004	-1.3751e+006
	-9.7434e+003	1.2595e+004	3.6045e+002	-3.9354e+004	2.4213e+004	0.0000e+000
245	-9.5635e+003	3.6700e+003	3.2917e+002	-1.5001e+004	-2.0999e+004	-2.3688e+006
	-1.0033e+004	7.0487e+003	3.2917e+002	-1.5001e+004	2.1215e+004	-1.6815e+006
246	-1.0498e+004	2.7475e+003	2.7286e+002	-1.2061e+004	-1.6068e+004	-3.1888e+006
	-1.0909e+004	6.1339e+003	2.7286e+002	-1.2061e+004	1.8924e+004	-2.6193e+006
247	-1.1661e+004	1.9215e+003	1.8082e+002	-7.5885e+003	-9.7430e+003	-3.7249e+006
	-1.2013e+004	5.3145e+003	1.8082e+002	-7.5885e+003	1.3446e+004	-3.2610e+006
248	-1.2260e+004	1.1875e+003	7.6477e+001	-1.8309e+003	-2.5003e+003	-3.9978e+006
	-1.2554e+004	4.5861e+003	7.6477e+001	-1.8309e+003	7.3072e+003	-3.6276e+006
249	-1.2305e+004	2.9870e+002	-4.1437e+001	3.8832e+003	5.2602e+003	-3.9989e+006
	-1.2540e+004	3.7018e+003	-4.1437e+001	3.8832e+003	-5.3849e+001	-3.7424e+006
250	-1.1601e+004	-8.0028e+002	-1.5346e+002	9.2918e+003	1.2613e+004	-3.7261e+006
	-1.1777e+004	2.6064e+003	-1.5346e+002	9.2918e+003	-7.0671e+003	-3.6103e+006
251	-1.0098e+004	-2.0552e+003	-2.4375e+002	1.4385e+004	1.7888e+004	-3.1762e+006
	-1.0215e+004	1.3540e+003	-2.4375e+002	1.4385e+004	-1.3371e+004	-3.2212e+006
252	-8.8822e+003	-3.8839e+003	-2.9682e+002	1.7164e+004	2.1545e+004	-2.2946e+006
	-8.9404e+003	-4.7320e+002	-2.9682e+002	1.7164e+004	-1.6520e+004	-2.5740e+006
Condizione "(1) Qk1"						
Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
12	4.8837e+002	6.8977e+002	-8.8880e+000	2.9612e+001	2.9487e+003	-4.2812e+004
	4.8837e+002	6.8977e+002	-8.8880e+000	2.9612e+001	2.0599e+003	2.6166e+004
13	-8.6212e+002	-2.8534e+002	-1.5051e+001	-8.9278e+002	3.0525e+003	1.9619e+004
	-8.6212e+002	-2.8534e+002	-1.5051e+001	-8.9278e+002	1.5474e+003	-8.9150e+003
14	-9.6601e+002	-1.1825e+001	7.1620e+000	-3.2120e+002	8.4665e+002	-9.4723e+002
	-9.6601e+002	-1.1825e+001	7.1620e+000	-3.2120e+002	1.5628e+003	-2.1297e+003
15	-4.2000e+002	-8.2762e+000	3.2437e+000	-2.0631e+002	2.1146e+002	8.0703e+001
	-4.2000e+002	-8.2762e+000	3.2437e+000	-2.0631e+002	5.3583e+002	-7.4691e+002
16	-1.0831e+002	4.2606e+000	2.5922e+000	-1.8240e+002	-9.9169e+001	-3.3573e+002
	-1.0831e+002	4.2606e+000	2.5922e+000	-1.8240e+002	1.6005e+002	9.0322e+001
162	1.8050e+001	-1.2451e+001	-6.9924e+000	-4.4346e+001	3.4016e+002	1.3359e+003
	1.8050e+001	-1.2451e+001	-6.9924e+000	-4.4346e+001	-4.2211e+002	-2.1451e+001
163	0.0000e+000	2.4192e+000	-8.6718e+000	1.4250e+002	5.7127e+002	0.0000e+000
	0.0000e+000	2.4192e+000	-8.6718e+000	1.4250e+002	-2.9590e+002	2.4192e+002
164	4.8480e+001	3.3730e-001	-9.8595e-001	2.2166e+002	-1.5721e+001	9.7619e+001
	4.8480e+001	3.3730e-001	-9.8595e-001	2.2166e+002	-1.1432e+002	1.3135e+002
165	1.0663e+002	5.8917e+000	4.1540e+000	-1.9988e+002	-6.9838e+002	-7.4012e+002
	1.0663e+002	5.8917e+000	4.1540e+000	-1.9988e+002	-1.7655e+002	0.0000e+000
166	1.8563e+002	2.2807e+001	9.7507e+000	7.6716e+000	-5.2227e+002	-8.1956e+002
	1.8563e+002	2.2807e+001	9.7507e+000	7.6716e+000	7.2819e+002	2.1052e+003
167	-7.1340e+001	2.0204e+001	7.8227e+000	5.1491e+000	-3.9540e+002	-4.5067e+002
	-7.1340e+001	2.0204e+001	7.8227e+000	5.1491e+000	6.0780e+002	2.1404e+003
168	-1.7318e+001	1.4089e+001	6.2920e+000	7.4085e+000	-4.5376e+002	1.3412e+002
	-1.7318e+001	1.4089e+001	6.2920e+000	7.4085e+000	3.5314e+002	1.9409e+003
169	-5.8510e+001	9.9265e+000	4.9210e+000	5.5135e+000	-2.7208e+002	3.7504e+002
	-5.8510e+001	9.9265e+000	4.9210e+000	5.5135e+000	3.5900e+002	1.6480e+003
170	-5.4029e+001	8.0651e+000	2.4540e+000	-1.8513e+001	-1.7397e+002	5.6050e+002
	-5.4029e+001	8.0651e+000	2.4540e+000	-1.8513e+001	1.4075e+002	1.5948e+003
171	-4.5732e+001	3.3592e+000	2.9852e+000	-3.2720e+001	1.7295e+001	8.2078e+002
	-4.5732e+001	3.3592e+000	2.9852e+000	-3.2720e+001	1.7678e+001	1.2516e+003
172	-2.5594e+001	-4.3172e+000	-2.8506e+000	-3.3884e+001	1.9785e+002	1.3075e+003
	-2.5594e+001	-4.3172e+000	-2.8506e+000	-3.3884e+001	-1.6772e+002	7.5383e+002
173	7.0538e+000	-9.6917e+000	-5.0835e+000	-3.3602e+001	3.6441e+002	1.5354e+003
	7.0538e+000	-9.6917e+000	-5.0835e+000	-3.3602e+001	-2.8752e+002	2.9254e+002
181	1.7330e+001	-8.8202e+000	-5.7441e+000	-8.8657e+001	2.7782e+002	-3.7157e+003
	1.7330e+001	-8.8202e+000	-5.7441e+000	-8.8657e+001	-3.4837e+002	-4.6772e+003
182	0.0000e+000	-2.3627e+001	-6.9390e+000	-2.3870e+000	4.7846e+002	0.0000e+000
	0.0000e+000	-2.3627e+001	-6.9390e+000	-2.3870e+000	-2.1544e+002	-2.3627e+003
183	1.1280e+002	6.1829e-001	-5.5760e-001	2.2380e+002	-4.1578e+001	-4.7693e+002
	1.1280e+002	6.1829e-001	-5.5760e-001	2.2380e+002	-9.7338e+001	-4.1510e+002
184	-1.0743e+002	2.7173e+001	3.7755e-001	9.3040e+000	-3.4204e+002	-3.4135e+003
	-1.0743e+002	2.7173e+001	3.7755e-001	9.3040e+000	-2.9461e+002	0.0000e+000
185	4.3416e+002	2.1171e+001	7.6280e+000	1.5260e+002	-6.6322e+002	-5.8399e+003
	4.3416e+002	2.1171e+001	7.6280e+000	1.5260e+002	3.1502e+002	-3.1248e+003
186	-9.5932e+001	1.8723e+001	7.8587e+000	1.4520e+002	-3.2979e+002	-7.6045e+003
	-9.5932e+001	1.8723e+001	7.8587e+000	1.4520e+002	6.7803e+002	-5.2034e+003
187	-8.9948e+001	1.5280e+001	5.6077e+000	1.1958e+002	-4.4329e+002	-8.9899e+003

	-8.9948e+001	1.5280e+001	5.6077e+000	1.1958e+002	2.7585e+002	-7.0304e+003
188	-1.7114e+002	1.1110e+001	3.6276e+000	8.4295e+001	-1.9860e+002	-9.8488e+003
	-1.7114e+002	1.1110e+001	3.6276e+000	8.4295e+001	2.6661e+002	-8.4241e+003
189	-1.6849e+002	5.8979e+000	1.2333e+000	4.1370e+001	-1.2349e+002	-9.9830e+003
	-1.6849e+002	5.8979e+000	1.2333e+000	4.1370e+001	3.4674e+001	-9.2267e+003
190	-1.5311e+002	5.4386e-001	-8.0518e-001	-7.7093e-001	4.0188e+001	-9.3199e+003
	-1.5311e+002	5.4386e-001	-8.0518e-001	-7.7093e-001	-6.3071e+001	-9.2501e+003
191	-1.1740e+002	-4.4366e+000	-2.7932e+000	-3.8409e+001	1.6951e+002	-7.8909e+003
	-1.1740e+002	-4.4366e+000	-2.7932e+000	-3.8409e+001	-1.8870e+002	-8.4599e+003
192	-2.9529e+001	-8.4751e+000	-4.5152e+000	-6.6898e+001	2.9540e+002	-5.8079e+003
	-2.9529e+001	-8.4751e+000	-4.5152e+000	-6.6898e+001	-2.8363e+002	-6.8948e+003
200	1.0058e+002	-2.1056e+001	3.0830e+000	-1.0327e+002	-1.9319e+002	-1.0065e+004
	1.0058e+002	-2.1056e+001	3.0830e+000	-1.0327e+002	1.4290e+002	-1.2360e+004
201	0.0000e+000	-5.9047e+001	2.6667e+000	3.8059e+000	-5.4825e+001	0.0000e+000
	0.0000e+000	-5.9047e+001	2.6667e+000	3.8059e+000	2.1185e+002	-5.9047e+003
202	1.3304e+002	-2.4127e+000	1.2251e-001	1.9592e+002	-7.7785e+001	2.2236e+002
	1.3304e+002	-2.4127e+000	1.2251e-001	1.9592e+002	-6.5534e+001	-1.8906e+001
203	-8.7952e+002	4.7680e+001	-2.8305e+000	9.7976e+002	6.8823e+002	-5.9897e+003
	-8.7952e+002	4.7680e+001	-2.8305e+000	9.7976e+002	3.3266e+002	0.0000e+000
204	5.4280e+002	-2.4076e+001	1.3471e+000	2.1733e+002	-6.8926e+002	-1.2349e+004
	5.4280e+002	-2.4076e+001	1.3471e+000	2.1733e+002	-5.1650e+002	-1.5436e+004
205	6.0012e+001	-2.3532e+001	5.7379e+000	1.7447e+002	-1.8139e+002	-1.7358e+004
	6.0012e+001	-2.3532e+001	5.7379e+000	1.7447e+002	5.5445e+002	-2.0375e+004
206	3.8396e+001	-2.3278e+001	3.2940e+000	1.2710e+002	-3.3496e+002	-2.1155e+004
	3.8396e+001	-2.3278e+001	3.2940e+000	1.2710e+002	8.7470e+001	-2.4140e+004
207	-5.8505e+001	-2.3515e+001	2.3464e+000	8.2946e+001	-8.7907e+001	-2.3546e+004
	-5.8505e+001	-2.3515e+001	2.3464e+000	8.2946e+001	2.1301e+002	-2.6562e+004
208	-4.7645e+001	-2.4559e+001	2.9097e-001	3.8263e+001	-4.3765e+001	-2.4267e+004
	-4.7645e+001	-2.4559e+001	2.9097e-001	3.8263e+001	-6.4497e+000	-2.7416e+004
209	-1.4561e+001	-2.5836e+001	1.1866e-001	-2.1124e+000	-7.9454e+000	-2.3140e+004
	-1.4561e+001	-2.5836e+001	1.1866e-001	-2.1124e+000	7.2723e+000	-2.6454e+004
210	2.2518e+001	-2.7184e+001	4.3903e-001	-3.8691e+001	-3.2898e+001	-2.0073e+004
	2.2518e+001	-2.7184e+001	4.3903e-001	-3.8691e+001	2.3405e+001	-2.3560e+004
211	1.0991e+002	-2.7449e+001	1.8403e+000	-6.8078e+001	-1.5233e+002	-1.5201e+004
	1.0991e+002	-2.7449e+001	1.8403e+000	-6.8078e+001	8.3674e+001	-1.8722e+004
219	6.2221e+001	-1.6948e+002	1.1947e+001	-5.9978e+002	-6.2602e+002	2.8432e+003
	6.2221e+001	-1.6948e+002	1.1947e+001	-5.9978e+002	6.7638e+002	-1.5632e+004
220	0.0000e+000	-2.6097e+001	1.1517e+001	4.2533e+001	-5.9309e+002	0.0000e+000
	0.0000e+000	-2.6097e+001	1.1517e+001	4.2533e+001	5.5862e+002	-2.6097e+003
222	4.2384e+001	-6.0125e+001	1.0308e+000	-4.8655e+001	-1.1689e+002	4.1087e+003
	4.2384e+001	-6.0125e+001	1.0308e+000	-4.8655e+001	-1.3815e+001	-1.9038e+003
223	-1.0702e+003	1.3032e+001	1.6408e+001	2.3691e+003	1.1494e+003	-1.6371e+003
	-1.0702e+003	1.3032e+001	1.6408e+001	2.3691e+003	3.2106e+003	0.0000e+000
224	5.8654e+001	-9.0320e+001	-1.3546e+001	6.8548e+001	8.3821e+001	-1.2140e+004
	5.8654e+001	-9.0320e+001	-1.3546e+001	6.8548e+001	-1.6533e+003	-2.3723e+004
225	-3.9478e+001	-9.5374e+001	-1.3008e+001	-7.6482e+001	9.7253e+002	-1.8368e+004
	-3.9478e+001	-9.5374e+001	-1.3008e+001	-7.6482e+001	-6.9559e+002	-3.0599e+004
226	9.8112e+001	-9.9900e+001	-1.0674e+001	-2.0689e+002	3.9309e+002	-2.1847e+004
	9.8112e+001	-9.9900e+001	-1.0674e+001	-2.0689e+002	-9.7572e+002	-3.4658e+004
227	6.4106e+001	-1.0540e+002	-6.1982e+000	-3.1058e+002	3.6431e+002	-2.2824e+004
	6.4106e+001	-1.0540e+002	-6.1982e+000	-3.1058e+002	-4.3056e+002	-3.6341e+004
228	3.5372e+001	-1.1380e+002	-5.4356e-001	-3.8943e+002	-5.1351e+001	-2.1314e+004
	3.5372e+001	-1.1380e+002	-5.4356e-001	-3.8943e+002	-1.2106e+002	-3.5908e+004
229	1.5996e+001	-1.2383e+002	4.3172e+000	-4.4572e+002	-3.0854e+002	-1.7438e+004
	1.5996e+001	-1.2383e+002	4.3172e+000	-4.4572e+002	2.4510e+002	-3.3318e+004
230	1.3255e+001	-1.3574e+002	8.0202e+000	-4.8482e+002	-5.1904e+002	-1.1321e+004
	1.3255e+001	-1.3574e+002	8.0202e+000	-4.8482e+002	5.0949e+002	-2.8728e+004
231	7.6134e+001	-1.4138e+002	9.4783e+000	-5.1976e+002	-6.6585e+002	-4.3381e+004
	7.6134e+001	-1.4138e+002	9.4783e+000	-5.1976e+002	5.4967e+002	-2.2469e+003
237	8.7807e+001	-1.1214e+002	2.8654e+000	-1.1288e+003	-4.0404e+001	-5.0102e+003
	8.7807e+001	-1.1214e+002	2.8654e+000	-1.1288e+003	2.7197e+002	-1.7235e+004
238	0.0000e+000	-1.2776e+001	4.1356e+000	-2.7248e+002	-3.7530e+002	0.0000e+000
	0.0000e+000	-1.2776e+001	4.1356e+000	-2.7248e+002	3.8257e+001	-1.2776e+003
243	-2.2986e+001	-3.0898e+002	-9.2040e-001	-8.8081e+002	-2.2136e+000	1.1585e+004
	-2.2986e+001	-3.0898e+002	-9.2040e-001	-8.8081e+002	-9.4253e+001	-1.9313e+004
244	2.3312e+003	1.2692e+002	2.8110e+001	2.9631e+003	1.4283e+002	-1.5943e+004
	2.3312e+003	1.2692e+002	2.8110e+001	2.9631e+003	3.6740e+003	0.0000e+000
245	8.0009e+002	3.0075e+002	7.4141e+000	3.6458e+002	-1.3348e+003	-3.4393e+004
	8.0009e+002	3.0075e+002	7.4141e+000	3.6458e+002	-3.8404e+002	4.1762e+003
246	1.9968e+002	2.8206e+002	7.9355e+000	2.4901e+002	-1.9111e+002	-4.2264e+004
	1.9968e+002	2.8206e+002	7.9355e+000	2.4901e+002	8.2655e+002	-6.0916e+003
247	9.2242e+001	2.2436e+002	2.6426e+000	-1.7187e+001	-3.8965e+002	-4.5112e+004
	9.2242e+001	2.2436e+002	2.6426e+000	-1.7187e+001	-5.0750e+001	-1.6340e+004
248	7.3596e+000	1.4610e+002	8.9545e+000	-3.3546e+002	-5.4827e+002	-4.3517e+004
	7.3596e+000	1.4610e+002	8.9545e+000	-3.3546e+002	6.0008e+002	-2.4780e+004
249	-7.5173e+001	9.3385e+001	5.9028e+000	-5.3052e+002	-3.8714e+002	-4.0341e+004

	-7.5173e+001	9.3385e+001	5.9028e+000	-5.3052e+002	3.6985e+002	-2.8365e+004
250	-9.3267e+001	6.9484e+001	3.3892e+000	-6.1076e+002	-1.4328e+002	-3.6575e+004
	-9.3267e+001	6.9484e+001	3.3892e+000	-6.1076e+002	2.9137e+002	-2.7664e+004
251	-8.3737e+000	7.5623e+001	-7.1808e-001	-5.7032e+002	1.4993e+002	-3.3652e+004
	-8.3737e+000	7.5623e+001	-7.1808e-001	-5.7032e+002	5.7841e+001	-2.3954e+004
252	-3.9783e+000	5.1324e+001	1.4140e+000	-7.2770e+002	-5.7680e+001	-2.4521e+004
	-3.9783e+000	5.1324e+001	1.4140e+000	-7.2770e+002	1.2366e+002	-1.7939e+004

Condizione "(f) Qk2"						
Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
12	-8.5150e+003	-3.2859e+003	1.0051e+002	-1.5269e+003	-4.1788e+003	1.4292e+005
	-8.5150e+003	1.4341e+003	1.0051e+002	-1.5269e+003	5.8721e+003	5.0330e+004
13	-8.2541e+003	-3.0621e+003	-5.4504e+001	7.3308e+000	3.5304e+003	1.2149e+005
	-8.2541e+003	1.5179e+003	-5.4504e+001	7.3308e+000	-1.9200e+003	4.4273e+004
14	-6.7877e+003	-2.5827e+003	8.5290e+000	6.8441e+002	-4.3792e+002	9.3524e+004
	-6.7877e+003	1.8573e+003	8.5290e+000	6.8441e+002	4.1498e+002	5.7255e+004
15	-7.3932e+003	-2.6634e+003	4.7392e+001	5.9377e+002	-2.7267e+003	1.0142e+005
	-7.3932e+003	1.7766e+003	4.7392e+001	5.9377e+002	2.0125e+003	5.7086e+004
16	-7.5805e+003	-2.7661e+003	-8.3770e+001	6.7618e+002	4.4179e+003	9.1873e+004
	-7.5805e+003	1.6739e+003	-8.3770e+001	6.7618e+002	-3.9591e+003	3.7260e+004
162	-1.1487e+004	-1.2397e+004	7.4879e+002	-2.5171e+004	-3.9025e+004	-2.3280e+006
	-1.1488e+004	-7.5570e+003	7.4879e+002	-2.5171e+004	4.2605e+004	-3.4156e+006
163	0.0000e+000	-1.8468e+004	8.0912e+002	-9.1137e+004	-4.3860e+004	0.0000e+000
	-9.4685e+001	-1.4028e+004	8.0912e+002	-9.1137e+004	3.7051e+004	-1.6248e+006
164	-6.8951e+003	-2.4890e+003	9.9448e+001	3.4215e+003	-5.3274e+003	8.3089e+004
	-6.8951e+003	1.9510e+003	9.9448e+001	3.4215e+003	4.6174e+003	5.6184e+004
165	-1.5230e+004	1.4638e+004	-5.1614e+002	1.8847e+004	2.7770e+004	-2.1845e+006
	-1.6141e+004	2.0141e+004	-5.1614e+002	1.8847e+004	-3.7068e+004	0.0000e+000
166	-1.6334e+004	2.2337e+003	-5.5924e+002	3.9437e+004	3.1035e+004	-3.5112e+006
	-1.7117e+004	7.8735e+003	-5.5924e+002	3.9437e+004	-4.0684e+004	-2.8631e+006
167	-1.7744e+004	-8.8024e+002	-5.1231e+002	3.4685e+004	2.8847e+004	-4.8655e+006
	-1.8430e+004	4.7722e+003	-5.1231e+002	3.4685e+004	-3.6853e+004	-4.6159e+006
168	-2.0079e+004	-3.3099e+003	-3.9179e+002	2.6685e+004	1.9896e+004	-5.7674e+006
	-2.0667e+004	2.3536e+003	-3.9179e+002	2.6685e+004	-3.0349e+004	-5.8287e+006
169	-2.1516e+004	-5.1172e+003	-2.1105e+002	1.5860e+004	8.8033e+003	-6.2530e+006
	-2.2007e+004	5.5559e+002	-2.1105e+002	1.5860e+004	-1.8263e+004	-6.5455e+006
170	-2.1943e+004	-6.7430e+003	-8.3081e-001	4.6155e+003	-4.6062e+003	-6.3189e+006
	-2.2335e+004	-1.0626e+003	-8.3081e-001	4.6155e+003	-4.7128e+003	-6.8194e+006
171	-2.1100e+004	-8.2639e+003	2.1648e+002	-6.1247e+003	-1.7766e+004	-5.9641e+006
	-2.1394e+004	-2.5775e+003	2.1648e+002	-6.1247e+003	9.9956e+003	-6.6592e+006
172	-1.8952e+004	-9.6039e+003	4.1142e+002	-1.6283e+004	-2.9296e+004	-5.1841e+006
	-1.9148e+004	-3.9133e+003	4.1142e+002	-1.6283e+004	2.3465e+004	-6.0509e+006
173	-1.7039e+004	-1.1322e+004	5.6999e+002	-2.2847e+004	-3.9184e+004	-3.9123e+006
	-1.7137e+004	-5.6286e+003	5.6999e+002	-2.2847e+004	3.3914e+004	-4.9992e+006
181	8.8775e+002	-9.5916e+003	-4.0345e+002	-1.4928e+004	2.3615e+004	-3.1949e+006
	8.8677e+002	-4.7514e+003	-4.0345e+002	-1.4928e+004	-2.0367e+004	-3.9767e+006
182	0.0000e+000	-2.2440e+004	-4.6730e+002	-3.2246e+004	2.2669e+004	0.0000e+000
	-9.4685e+001	-1.8000e+004	-4.6730e+002	-3.2246e+004	-2.4061e+004	-2.0220e+006
183	-6.9069e+003	-2.5504e+003	-6.2892e+001	-1.1919e+002	2.6725e+003	8.9302e+004
	-6.9069e+003	1.8896e+003	-6.2892e+001	-1.1919e+002	-3.6167e+003	5.6258e+004
184	-7.8649e+003	1.7973e+004	3.1786e+002	8.3364e+003	-2.1653e+004	-2.6034e+006
	-8.7761e+003	2.3476e+004	3.1786e+002	8.3364e+003	1.8276e+004	0.0000e+000
185	-5.6429e+002	5.5625e+003	3.2617e+002	1.9625e+004	-2.1735e+004	-4.7390e+006
	-1.3479e+003	1.1202e+004	3.2617e+002	1.9625e+004	2.0094e+004	-3.6640e+006
186	5.8345e+003	3.2025e+003	2.7723e+002	1.6188e+004	-1.7712e+004	-6.7051e+006
	5.1485e+003	8.8550e+003	2.7723e+002	1.6188e+004	1.7841e+004	-5.9319e+006
187	1.0311e+004	1.0002e+003	1.9740e+002	1.1571e+004	-1.3185e+004	-8.0474e+006
	9.7224e+003	6.6637e+003	1.9740e+002	1.1571e+004	1.2129e+004	-7.5560e+006
188	1.3318e+004	-1.1056e+003	1.0374e+002	6.1753e+003	-6.5892e+003	-8.7633e+006
	1.2828e+004	4.5672e+003	1.0374e+002	6.1753e+003	6.7145e+003	-8.5414e+006
189	1.4267e+004	-3.1559e+003	-8.7379e-001	5.4256e+002	9.4011e+001	-8.8505e+006
	1.3875e+004	2.5245e+003	-8.7379e-001	5.4256e+002	-1.8046e+001	-8.8909e+006
190	1.3265e+004	-5.2173e+003	-1.0714e+002	-4.8268e+003	7.2548e+003	-8.3041e+006
	1.2971e+004	4.6907e+002	-1.0714e+002	-4.8268e+003	-6.4847e+003	-8.6086e+006
191	1.0458e+004	-7.3728e+003	-2.0809e+002	-9.4702e+003	1.3872e+004	-7.1142e+006
	1.0262e+004	-1.6822e+003	-2.0809e+002	-9.4702e+003	-1.2814e+004	-7.6949e+006
192	5.2002e+003	-9.6573e+003	-2.9076e+002	-1.2779e+004	1.9134e+004	-5.2725e+006
	5.1031e+003	-3.9642e+003	-2.9076e+002	-1.2779e+004	-1.8154e+004	-6.1460e+006
200	1.0986e+003	-1.1065e+004	-8.5668e+000	9.2440e+001	8.7701e+002	-3.3340e+006
	1.0977e+003	-6.2243e+003	-8.5668e+000	9.2440e+001	-5.6894e+001	-4.2764e+006
201	0.0000e+000	-2.3532e+004	-2.7276e+000	-1.3286e+004	-4.4394e+002	0.0000e+000
	-9.4685e+001	-1.9092e+004	-2.7276e+000	-1.3286e+004	-7.1670e+002	-2.1312e+006
202	-6.1383e+003	-2.4655e+003	3.3012e+000	-3.5414e+003	7.3798e+001	8.0162e+004
	-6.1383e+003	1.9745e+003	3.3012e+000	-3.5414e+003	4.0392e+002	5.5615e+004
203	-6.1493e+003	1.9539e+004	1.1964e+001	-8.1946e+003	-2.4638e+003	-2.8001e+006
	-7.0606e+003	2.5041e+004	1.1964e+001	-8.1946e+003	-9.6085e+002	0.0000e+000
204	1.6292e+003	6.9296e+003	1.6995e+001	3.8603e+003	-2.0260e+003	-5.1249e+006

	8.4559e+002	1.2569e+004	1.6995e+001	3.8603e+003	1.5344e+002	-3.8746e+006
205	7.8625e+003	4.3234e+003	8.8227e+000	3.1095e+003	-4.8369e+002	-7.2462e+006
	7.1765e+003	9.9759e+003	8.8227e+000	3.1095e+003	6.4776e+002	-6.3294e+006
206	1.2813e+004	1.7647e+003	-1.5222e+000	2.3981e+003	-2.3675e+002	-8.6948e+006
	1.2225e+004	7.4282e+003	-1.5222e+000	2.3981e+003	-4.3196e+002	-8.1053e+006
207	1.6175e+004	-7.6238e+002	-6.2976e+000	1.7655e+003	4.2269e+002	-9.4591e+006
	1.5685e+004	4.9104e+003	-6.2976e+000	1.7655e+003	-3.8492e+002	-9.1931e+006
208	1.7093e+004	-3.2670e+003	-9.8269e+000	1.2393e+003	5.3099e+002	-9.5324e+006
	1.6700e+004	2.4134e+003	-9.8269e+000	1.2393e+003	-7.2923e+002	-9.5871e+006
209	1.5643e+004	-5.7775e+003	-1.0518e+001	8.5110e+002	8.2619e+002	-8.9106e+006
	1.5349e+004	-9.1095e+001	-1.0518e+001	8.5110e+002	-5.2268e+002	-9.2869e+006
210	1.2123e+004	-8.3267e+003	-9.5517e+000	6.4171e+002	6.9542e+002	-7.5923e+006
	1.1927e+004	-2.6361e+003	-9.5517e+000	6.4171e+002	-5.2952e+002	-8.2952e+006
211	6.0385e+003	-1.0917e+004	-7.7678e+000	6.6271e+002	1.1124e+003	-5.5822e+006
	5.9413e+003	-5.2239e+003	-7.7678e+000	6.6271e+002	1.1628e+002	-6.6172e+006
219	2.2136e+002	-9.4164e+003	3.9495e+002	1.9677e+004	-2.2191e+004	-3.2877e+006
	2.2035e+002	-4.4235e+003	3.9495e+002	1.9677e+004	2.0864e+004	-4.0421e+006
220	0.0000e+000	-2.2608e+004	4.4285e+002	2.4634e+003	-2.2359e+004	0.0000e+000
	-9.7671e+001	-1.8028e+004	4.4285e+002	2.4634e+003	2.1926e+004	-2.0318e+006
222	-6.7195e+003	-7.9143e+002	5.1193e+001	-2.8034e+003	-1.6460e+003	2.0530e+004
	-6.7195e+003	3.7886e+003	5.1193e+001	-2.8034e+003	3.4733e+003	1.7039e+005
223	-8.2043e+003	1.8667e+004	-3.9128e+002	-2.6334e+004	2.2925e+004	-2.7015e+006
	-9.1443e+003	2.4343e+004	-3.9128e+002	-2.6334e+004	-2.6229e+004	0.0000e+000
224	1.4018e+003	5.3884e+003	-3.7072e+002	-1.2863e+004	2.1455e+004	-4.8870e+006
	5.9350e+002	1.1206e+004	-3.7072e+002	-1.2863e+004	-2.6087e+004	-3.8229e+006
225	7.5402e+003	2.9924e+003	-2.8011e+002	-1.0742e+004	1.7038e+004	-6.9141e+006
	6.8326e+003	8.8231e+003	-2.8011e+002	-1.0742e+004	-1.8883e+004	-6.1565e+006
226	1.1667e+004	7.7334e+002	-1.7548e+002	-7.2386e+003	1.0336e+004	-8.2926e+006
	1.1060e+004	6.6154e+003	-1.7548e+002	-7.2386e+003	-1.2169e+004	-7.8189e+006
227	1.4232e+004	-1.3323e+003	-6.5150e+001	-2.7123e+003	3.6245e+003	-9.0218e+006
	1.3726e+004	4.5194e+003	-6.5150e+001	-2.7123e+003	-4.7305e+003	-8.8175e+006
228	1.4616e+004	-3.3605e+003	4.6354e+001	2.3193e+003	-3.4544e+003	-9.1030e+006
	1.4211e+004	2.4991e+003	4.6354e+001	2.3193e+003	2.4902e+003	-9.1583e+006
229	1.3014e+004	-5.3948e+003	1.4890e+002	7.4165e+003	-9.5902e+003	-8.5335e+006
	1.2711e+004	4.7089e+002	1.4890e+002	7.4165e+003	9.5057e+003	-8.8492e+006
230	9.7255e+003	-7.5130e+003	2.3759e+002	1.2209e+004	-1.5339e+004	-7.3054e+006
	9.5238e+003	-1.6429e+003	2.3759e+002	1.2209e+004	1.5130e+004	-7.8924e+006
231	4.2970e+003	-9.7198e+003	2.9385e+002	1.6176e+004	-1.7781e+004	-5.4164e+006
	4.1968e+003	-3.8471e+003	2.9385e+002	1.6176e+004	1.9903e+004	-6.2864e+006
237	-1.0693e+004	-1.0961e+001	-6.4793e+002	5.1269e+004	3.4736e+004	-3.0414e+006
	-1.0694e+004	5.1345e+003	-6.4793e+002	5.1269e+004	-3.5897e+004	-2.7622e+006
238	0.0000e+000	-2.1033e+004	-6.9060e+002	1.2825e+004	3.7328e+004	0.0000e+000
	-1.0066e+000	-1.6313e+004	-6.9060e+002	1.2825e+004	-3.1732e+004	-1.8673e+006
243	-6.7791e+003	-1.7001e+003	-7.9520e+001	-3.4327e+001	4.7038e+003	4.5512e+004
	-6.7791e+003	3.0199e+003	-7.9520e+001	-3.4327e+001	-3.2482e+003	1.1151e+005
244	-1.7236e+004	1.6454e+004	6.2905e+002	-7.1193e+004	-3.7635e+004	-2.4343e+006
	-1.8205e+004	2.2303e+004	6.2905e+002	-7.1193e+004	4.1388e+004	0.0000e+000
245	-1.7320e+004	6.3877e+003	5.8406e+002	-2.6854e+004	-3.6846e+004	-4.1898e+006
	-1.8153e+004	1.2383e+004	5.8406e+002	-2.6854e+004	3.8055e+004	-2.9862e+006
246	-1.8698e+004	4.7542e+003	4.8401e+002	-2.1584e+004	-2.8634e+004	-5.6416e+006
	-1.9427e+004	1.0763e+004	4.8401e+002	-2.1584e+004	3.3437e+004	-4.6466e+006
247	-2.0716e+004	3.3151e+003	3.2289e+002	-1.3509e+004	-1.7304e+004	-6.5919e+006
	-2.1341e+004	9.3358e+003	3.2289e+002	-1.3509e+004	2.4103e+004	-5.7807e+006
248	-2.1737e+004	2.0496e+003	1.3447e+002	-3.1348e+003	-4.3608e+003	-7.0767e+006
	-2.2258e+004	8.0801e+003	1.3447e+002	-3.1348e+003	1.2884e+004	-6.4272e+006
249	-2.1784e+004	4.9463e+002	-7.4075e+001	7.0988e+003	9.3862e+003	-7.0801e+006
	-2.2201e+004	6.5333e+003	-7.4075e+001	7.0988e+003	-1.1334e+002	-6.6294e+006
250	-2.0534e+004	-1.4447e+003	-2.7284e+002	1.6743e+004	2.2400e+004	-6.5973e+006
	-2.0846e+004	4.6003e+003	-2.7284e+002	1.6743e+004	-1.2589e+004	-6.3950e+006
251	-1.7913e+004	-3.6727e+003	-4.3275e+002	2.5779e+004	3.1736e+004	-5.6228e+006
	-1.8120e+004	2.3768e+003	-4.3275e+002	2.5779e+004	-2.3762e+004	-5.7059e+006
252	-1.5762e+004	-6.9063e+003	-5.2850e+002	3.0790e+004	3.8354e+004	-4.0620e+006
	-1.5865e+004	-8.5410e+002	-5.2850e+002	3.0790e+004	-2.9422e+004	-4.5596e+006

Condizione "(1) Qk3"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
12	-5.3222e+003	-2.0537e+003	6.2827e+001	-9.5434e+002	-2.6122e+003	8.9324e+004
	-5.3222e+003	8.9632e+002	6.2827e+001	-9.5434e+002	3.6706e+003	3.1456e+004
13	-5.1596e+003	-1.9141e+003	-3.4063e+001	4.5882e+000	2.2064e+003	7.5939e+004
	-5.1596e+003	9.4888e+002	-3.4063e+001	4.5882e+000	-1.1999e+003	2.7677e+004
14	-4.2425e+003	-1.6142e+003	5.3189e+000	4.2776e+002	-2.7301e+002	5.8454e+004
	-4.2425e+003	1.1608e+003	5.3189e+000	4.2776e+002	2.5888e+002	3.5784e+004
15	-4.6206e+003	-1.6646e+003	2.9622e+001	3.7112e+002	-1.7043e+003	6.3389e+004
	-4.6206e+003	1.1104e+003	2.9622e+001	3.7112e+002	1.2579e+003	3.5679e+004
16	-4.7377e+003	-1.7288e+003	-5.2356e+001	4.2261e+002	2.7611e+003	5.7420e+004
	-4.7377e+003	1.0462e+003	-5.2356e+001	4.2261e+002	-2.4745e+003	2.3288e+004
162	-7.1792e+003	-7.7483e+003	4.6798e+002	-1.5733e+004	-2.4390e+004	-1.4550e+006

	-7.1798e+003	-4.7231e+003	4.6798e+002	-1.5733e+004	2.6627e+004	-2.1348e+006
163	0.0000e+000	-1.1543e+004	5.0568e+002	-5.6961e+004	-2.7412e+004	0.0000e+000
	-5.9178e+001	-8.7675e+003	5.0568e+002	-5.6961e+004	2.3156e+004	-1.0155e+006
164	-4.3093e+003	-1.5556e+003	6.2155e+001	2.1384e+003	-3.3296e+003	5.1930e+004
	-4.3093e+003	1.2194e+003	6.2155e+001	2.1384e+003	2.8858e+003	3.5115e+004
165	-9.5187e+004	9.1491e+003	-3.2258e+002	1.1780e+004	1.7356e+004	-1.3653e+006
	-1.0088e+004	1.2588e+004	-3.2258e+002	1.1780e+004	-2.3167e+004	0.0000e+000
166	-1.0208e+004	1.3961e+003	-3.4952e+002	2.4648e+004	1.9396e+004	-2.1945e+006
	-1.0698e+004	4.9210e+003	-3.4952e+002	2.4648e+004	-2.5427e+004	-1.7895e+006
167	-1.1090e+004	-5.5011e+002	-3.2018e+002	2.1679e+004	1.8029e+004	-3.0409e+006
	-1.1519e+004	2.9827e+003	-3.2018e+002	2.1679e+004	-2.3032e+004	-2.8850e+006
168	-1.2549e+004	-2.0687e+003	-2.4486e+002	1.6679e+004	1.2434e+004	-3.6046e+006
	-1.2917e+004	1.4710e+003	-2.4486e+002	1.6679e+004	-1.8967e+004	-3.6430e+006
169	-1.3448e+004	-3.1982e+003	-1.3190e+002	9.9128e+003	5.5018e+003	-3.9082e+006
	-1.3754e+004	3.4727e+002	-1.3190e+002	9.9128e+003	-1.1414e+004	-4.0910e+006
170	-1.3715e+004	-4.2144e+003	-5.1933e-001	2.8846e+003	-2.8789e+003	-3.9494e+006
	-1.3960e+004	-6.6410e+002	-5.1933e-001	2.8846e+003	-2.9455e+003	-4.2622e+006
171	-1.3187e+004	-5.1650e+003	1.3529e+002	-3.8282e+003	-1.1103e+004	-3.7276e+006
	-1.3371e+004	-1.6110e+003	1.3529e+002	-3.8282e+003	6.2469e+003	-4.1621e+006
172	-1.1845e+004	-6.0025e+003	2.5713e+002	-1.0177e+004	-1.8310e+004	-3.2401e+006
	-1.1967e+004	-2.4459e+003	2.5713e+002	-1.0177e+004	1.4665e+004	-3.7818e+006
173	-1.0650e+004	-7.0761e+003	3.5624e+002	-1.4280e+004	-2.4489e+004	-2.4452e+006
	-1.0710e+004	-3.5179e+003	3.5624e+002	-1.4280e+004	2.1195e+004	-3.1245e+006
181	5.5502e+002	-5.9950e+003	-2.5217e+002	-9.3314e+003	1.4760e+004	-1.9968e+006
	5.5441e+002	-2.9698e+003	-2.5217e+002	-9.3314e+003	-1.2730e+004	-2.4855e+006
182	0.0000e+000	-1.4025e+004	-2.9207e+002	-2.0155e+004	1.4168e+004	0.0000e+000
	-5.9178e+001	-1.1250e+004	-2.9207e+002	-2.0155e+004	-1.5039e+004	-1.2638e+006
183	-4.3166e+003	-1.5940e+003	-3.9310e+001	-7.4499e+001	1.6704e+003	5.5814e+004
	-4.3166e+003	1.1810e+003	-3.9310e+001	-7.4499e+001	-2.2606e+003	3.5161e+004
184	-4.9153e+003	1.1233e+004	1.9867e+002	5.2116e+003	-1.3534e+004	-1.6272e+006
	-5.4848e+003	1.4672e+004	1.9867e+002	5.2116e+003	1.1423e+004	0.0000e+000
185	-3.5246e+002	3.4768e+003	2.0386e+002	1.2267e+004	-1.3585e+004	-2.9619e+006
	-8.4222e+002	7.0016e+003	2.0386e+002	1.2267e+004	1.2559e+004	-2.2900e+006
186	3.6467e+003	2.0018e+003	1.7327e+002	1.0118e+004	-1.1070e+004	-4.1907e+006
	3.2180e+003	5.5346e+003	1.7327e+002	1.0118e+004	1.1151e+004	-3.7075e+006
187	6.4443e+003	6.2522e+002	1.2337e+002	7.2326e+003	-8.2409e+003	-5.0297e+006
	6.0767e+003	4.1649e+003	1.2337e+002	7.2326e+003	7.5810e+003	-4.7226e+006
188	8.3242e+003	-6.9094e+002	6.4836e+001	3.8598e+003	-4.1181e+003	-5.4772e+006
	8.0178e+003	2.8546e+003	6.4836e+001	3.8598e+003	4.1966e+003	-5.3384e+006
189	8.9173e+003	-1.9725e+003	-5.4764e-001	3.3902e+002	5.8908e+001	-5.5316e+006
	8.6723e+003	1.5778e+003	-5.4764e-001	3.3902e+002	-1.1323e+001	-5.5569e+006
190	8.2907e+003	-3.2609e+003	-6.6963e+001	-3.0172e+003	4.5345e+003	-5.1901e+006
	8.1071e+003	2.9309e+002	-6.6963e+001	-3.0172e+003	-4.0531e+003	-5.3804e+006
191	6.5362e+003	-4.6081e+003	-1.3006e+002	-5.9197e+003	8.6703e+003	-4.4465e+006
	6.4140e+003	-1.0515e+003	-1.3006e+002	-5.9197e+003	-8.0089e+003	-4.8094e+006
192	3.2503e+003	-6.0360e+003	-1.8173e+002	-7.9878e+003	1.1959e+004	-3.2954e+006
	3.1896e+003	-2.4778e+003	-1.8173e+002	-7.9878e+003	-1.1347e+004	-3.8413e+006
200	6.8718e+002	-6.9159e+003	-5.2599e+000	5.5304e+001	5.4303e+002	-2.0838e+006
	6.8658e+002	-3.8907e+003	-5.2599e+000	5.5304e+001	-3.0378e+001	-2.6728e+006
201	0.0000e+000	-1.4708e+004	-1.6015e+000	-8.3061e+003	-2.8309e+002	0.0000e+000
	-5.9178e+001	-1.1933e+004	-1.6015e+000	-8.3061e+003	-4.4324e+002	-1.3321e+006
202	-3.8366e+003	-1.5409e+003	2.0729e+000	-2.2134e+003	4.5678e+001	5.0101e+004
	-3.8366e+003	1.2341e+003	2.0729e+000	-2.2134e+003	2.5297e+002	3.4760e+004
203	-3.8430e+003	1.2212e+004	7.3953e+000	-5.1178e+003	-1.5349e+003	-1.7501e+006
	-4.4125e+003	1.5651e+004	7.3953e+000	-5.1178e+003	-6.0586e+002	0.0000e+000
204	1.0192e+003	4.3314e+003	1.0540e+001	2.4149e+003	-1.2611e+003	-3.2032e+006
	5.2940e+002	7.8563e+003	1.0540e+001	2.4149e+003	9.0495e+001	-2.4217e+006
205	4.9154e+003	2.7025e+003	5.4460e+000	1.9452e+003	-2.9794e+002	-4.5291e+006
	4.4866e+003	6.2353e+003	5.4460e+000	1.9452e+003	4.0048e+002	-3.9560e+006
206	8.0100e+003	1.1031e+003	-9.9816e-001	1.5000e+003	-1.4492e+002	-5.4344e+006
	7.6424e+003	4.6428e+003	-9.9816e-001	1.5000e+003	-2.7292e+002	-5.0660e+006
207	1.0111e+004	-4.7639e+002	-3.9568e+000	1.1040e+003	2.6560e+002	-5.9122e+006
	9.8047e+003	3.0691e+003	-3.9568e+000	1.1040e+003	-2.4183e+002	-5.7459e+006
208	1.0685e+004	-2.0419e+003	-6.1349e+000	7.7436e+002	3.3151e+002	-5.9579e+006
	1.0440e+004	1.5084e+003	-6.1349e+000	7.7436e+002	-4.5524e+002	-5.9922e+006
209	9.7788e+003	-3.6111e+003	-6.5400e+000	5.3108e+002	5.1427e+002	-5.5693e+006
	9.5951e+003	-5.7094e+001	-6.5400e+000	5.3108e+002	-3.2443e+002	-5.8045e+006
210	7.5781e+003	-5.2045e+003	-5.9128e+000	3.9957e+002	4.3102e+002	-4.7453e+006
	7.4559e+003	-1.6479e+003	-5.9128e+000	3.9957e+002	-3.2725e+002	-5.1847e+006
211	3.7750e+003	-6.8235e+003	-4.7819e+000	4.1212e+002	6.9059e+002	-3.4890e+006
	3.7143e+003	-3.2653e+003	-4.7819e+000	4.1212e+002	7.7355e+001	-4.1359e+006
219	1.3697e+002	-5.8850e+003	2.4686e+002	1.2299e+004	-1.3870e+004	-2.0551e+006
	1.3635e+002	-2.7639e+003	2.4686e+002	1.2299e+004	1.3041e+004	-2.5265e+006
220	0.0000e+000	-1.4132e+004	2.7679e+002	1.5364e+003	-1.3975e+004	0.0000e+000
	-6.1055e-001	-1.1269e+004	2.7679e+002	1.5364e+003	1.3704e+004	-1.2700e+006
222	-4.2004e+003	-4.9486e+002	3.1997e+001	-1.7521e+003	-1.0288e+003	1.2838e+004

	-4.2004e+003	2.3681e+003	3.1997e+001	-1.7521e+003	2.1709e+003	1.0650e+005
223	-5.1293e+003	1.1668e+004	-2.4456e+002	-1.6461e+004	1.4328e+004	-1.6886e+006
	-5.7169e+003	1.5216e+004	-2.4456e+002	-1.6461e+004	-1.6393e+004	0.0000e+000
224	8.7438e+002	3.3672e+003	-2.3171e+002	-8.0388e+003	1.3410e+004	-3.0546e+006
	3.6908e+002	7.0038e+003	-2.3171e+002	-8.0388e+003	-1.6305e+004	-2.3896e+006
225	4.7106e+003	1.8697e+003	-1.7507e+002	-6.7135e+003	1.0649e+004	-4.3217e+006
	4.2683e+003	5.5145e+003	-1.7507e+002	-6.7135e+003	-1.1802e+004	-3.8482e+006
226	7.2898e+003	4.8282e+002	-1.0968e+002	-4.5238e+003	6.4602e+003	-5.1833e+006
	6.9105e+003	4.1348e+003	-1.0968e+002	-4.5238e+003	-7.6061e+003	-4.8872e+006
227	8.8924e+003	-8.3308e+002	-4.0723e+001	-1.6949e+003	2.2656e+003	-5.6391e+006
	8.5763e+003	2.8249e+003	-4.0723e+001	-1.6949e+003	-2.9569e+003	-5.5114e+006
228	9.1324e+003	-2.1006e+003	2.8969e+001	1.4500e+003	-2.1588e+003	-5.6899e+006
	8.8796e+003	1.5623e+003	2.8969e+001	1.4500e+003	1.5562e+003	-5.7244e+006
229	8.1316e+003	-3.3719e+003	9.3066e+001	4.6357e+003	-5.9939e+003	-5.3339e+006
	7.9422e+003	2.9475e+002	9.3066e+001	4.6357e+003	5.9411e+003	-5.5312e+006
230	6.0764e+003	-4.6957e+003	1.4850e+002	7.6314e+003	-9.5871e+003	-4.5663e+006
	5.9503e+003	-1.0263e+003	1.4850e+002	7.6314e+003	9.4566e+003	-4.9332e+006
231	2.6838e+003	-6.0749e+003	1.8366e+002	1.0111e+004	-1.1114e+004	-3.3856e+006
	2.6212e+003	-2.4039e+003	1.8366e+002	1.0111e+004	1.2440e+004	-3.9293e+006
237	-6.6827e+003	-7.2354e+000	-4.0505e+002	3.2046e+004	2.1715e+004	-1.9009e+006
	-6.6833e+003	3.2087e+003	-4.0505e+002	3.2046e+004	-2.2441e+004	-1.7264e+006
238	0.0000e+000	-1.3146e+004	-4.3173e+002	8.0191e+003	2.3335e+004	0.0000e+000
	-6.2910e+001	-1.0196e+004	-4.3173e+002	8.0191e+003	-1.9837e+004	-1.1671e+006
243	-4.2372e+003	-1.0625e+003	-4.9712e+001	-2.1456e+001	2.9405e+003	2.8444e+004
	-4.2372e+003	1.8875e+003	-4.9712e+001	-2.1456e+001	-2.0307e+003	6.9693e+004
244	-1.0773e+004	1.0284e+004	3.9323e+002	-4.4499e+004	-2.3526e+004	-1.5215e+006
	-1.1378e+004	1.3940e+004	3.9323e+002	-4.4499e+004	2.5872e+004	0.0000e+000
245	-1.0824e+004	3.9928e+003	3.6512e+002	-1.6786e+004	-2.3034e+004	-2.6188e+006
	-1.1345e+004	7.7399e+003	3.6512e+002	-1.6786e+004	2.3790e+004	-1.8664e+006
246	-1.1685e+004	2.9718e+003	3.0258e+002	-1.3492e+004	-1.7900e+004	-3.5262e+006
	-1.2141e+004	6.7274e+003	3.0258e+002	-1.3492e+004	2.0903e+004	-2.9042e+006
247	-1.2946e+004	2.0722e+003	2.0185e+002	-8.4446e+003	-1.0818e+004	-4.1201e+006
	-1.3337e+004	5.8351e+003	2.0185e+002	-8.4446e+003	1.5068e+004	-3.6131e+006
248	-1.3584e+004	1.2811e+003	8.4069e+001	-1.9598e+003	-2.7269e+003	-4.4232e+006
	-1.3910e+004	5.0502e+003	8.4069e+001	-1.9598e+003	8.0542e+003	-4.0172e+006
249	-1.3613e+004	3.0918e+002	-4.6300e+001	4.4368e+003	5.8666e+003	-4.4252e+006
	-1.3874e+004	4.0833e+003	-4.6300e+001	4.4368e+003	-7.0954e+001	-4.1436e+006
250	-1.2832e+004	-9.0302e+002	-1.7055e+002	1.0465e+004	1.4002e+004	-4.1235e+006
	-1.3027e+004	2.8751e+003	-1.7055e+002	1.0465e+004	-7.8701e+003	-3.9971e+006
251	-1.1194e+004	-2.2957e+003	-2.7052e+002	1.6114e+004	1.9838e+004	-3.5144e+006
	-1.1324e+004	1.4852e+003	-2.7052e+002	1.6114e+004	-1.4854e+004	-3.5663e+006
252	-9.8503e+003	-4.3168e+003	-3.3038e+002	1.9246e+004	2.3976e+004	-2.5388e+006
	-9.9149e+003	-5.3420e+002	-3.3038e+002	1.9246e+004	-1.8393e+004	-2.8499e+006

Condizione "(1) Torcente di piano SLO"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
12	-1.0984e+002	5.8635e+000	4.6157e-001	4.7160e+002	-3.2514e+002	1.3837e+003
	-1.0984e+002	5.8635e+000	4.6157e-001	4.7160e+002	-2.7899e+002	1.9700e+003
13	5.7737e+001	2.9219e+002	4.2451e+000	-1.7547e+002	-4.7720e+002	-1.9252e+004
	5.7737e+001	2.9219e+002	4.2451e+000	-1.7547e+002	-5.2692e+001	9.9676e+003
14	1.8932e+002	-1.4736e+002	-2.9721e+000	-5.4364e+002	1.1360e+002	1.0393e+004
	1.8932e+002	-1.4736e+002	-2.9721e+000	-5.4364e+002	-1.8362e+002	-4.3437e+003
15	9.5723e+001	-3.0967e+001	-4.8795e-001	-1.9107e+002	1.6855e+002	1.5862e+003
	9.5723e+001	-3.0967e+001	-4.8795e-001	-1.9107e+002	1.1975e+002	-1.5105e+003
16	2.7916e+001	-4.3025e+000	-1.0471e+000	-7.5089e+001	2.7705e+002	3.3518e+002
	2.7916e+001	-4.3025e+000	-1.0471e+000	-7.5089e+001	1.7234e+002	-9.5064e+001
162	2.7894e+001	-3.7176e+000	-2.2702e+000	-5.7244e+000	7.1401e+001	2.6996e+002
	2.7894e+001	-3.7176e+000	-2.2702e+000	-5.7244e+000	-1.7608e+002	-1.3532e+002
163	0.0000e+000	-5.2197e-002	-2.5541e+000	-2.0166e+001	2.3108e+002	0.0000e+000
	0.0000e+000	-5.2197e-002	-2.5541e+000	-2.0166e+001	-2.4333e+001	-5.2197e+000
164	2.1176e+001	-8.4219e-002	-1.3234e-001	-5.8314e+001	-3.4218e+001	1.7193e+001
	2.1176e+001	-8.4219e-002	-1.3234e-001	-5.8314e+001	-4.7452e+001	8.7708e+000
165	-5.9331e+001	-6.3546e+000	3.1052e-001	2.6633e+002	2.3471e+002	7.9827e+002
	-5.9331e+001	-6.3546e+000	3.1052e-001	2.6633e+002	2.7372e+002	0.0000e+000
166	-4.6515e+001	-1.0447e+001	-1.7095e+000	7.5019e+001	-5.6515e+001	3.7943e+002
	-4.6515e+001	-1.0447e+001	-1.7095e+000	7.5019e+001	-2.7575e+002	-9.6029e+002
167	-2.1682e+001	-8.7649e+000	-1.2750e+000	6.3370e+001	1.2658e+002	2.8320e+002
	-2.1682e+001	-8.7649e+000	-1.2750e+000	6.3370e+001	-3.6927e+001	-8.4083e+002
168	-1.9315e+001	-4.7214e+000	-1.8139e+000	4.1636e+001	6.4574e+001	6.3232e+000
	-1.9315e+001	-4.7214e+000	-1.8139e+000	4.1636e+001	-1.6804e+002	-5.9916e+002
169	-2.6230e+001	-4.0802e+000	-2.0000e+000	2.6719e+001	1.4292e+002	7.9140e+001
	-2.6230e+001	-4.0802e+000	-2.0000e+000	2.6719e+001	-1.1357e+002	-4.4412e+002
170	-8.8978e+000	-5.3432e+000	-2.2133e+000	2.6092e+001	1.1370e+002	1.7986e+002
	-8.8978e+000	-5.3432e+000	-2.2133e+000	2.6092e+001	-1.7014e+002	-5.0537e+002
171	-6.6520e+000	-4.6707e+000	-2.3351e+000	1.8115e+001	1.6771e+002	2.0623e+002
	-6.6520e+000	-4.6707e+000	-2.3351e+000	1.8115e+001	-1.3174e+002	-3.9275e+002
172	1.4846e+001	-1.9309e+000	-2.3141e+000	2.8596e+000	1.2631e+002	3.2333e+001

	1.4846e+001	-1.9309e+000	-2.3141e+000	2.8596e+000	-1.7046e+002	-2.1528e+002
173	1.2738e+001	-2.2241e+000	-2.3028e+000	-4.0242e+000	1.8403e+002	1.4586e+002
	1.2738e+001	-2.2241e+000	-2.3028e+000	-4.0242e+000	-1.1129e+002	-1.3936e+002
181	4.8314e+001	-5.1673e+000	-1.9994e+000	-2.0344e+001	5.6330e+001	-2.3687e+002
	4.8314e+001	-5.1673e+000	-1.9994e+000	-2.0344e+001	-1.6163e+002	-8.0017e+002
182	0.0000e+000	3.9848e-001	-2.0775e+000	4.7827e+001	2.0267e+002	0.0000e+000
	0.0000e+000	3.9848e-001	-2.0775e+000	4.7827e+001	-5.0772e+000	3.9848e+001
183	4.3874e+001	-2.2051e-002	-2.1625e-001	-5.7792e+001	-3.1090e+001	-1.8225e+001
	4.3874e+001	-2.2051e-002	-2.1625e-001	-5.7792e+001	-5.2715e+001	-2.0430e+001
184	-4.6320e+001	-2.7763e+000	1.3522e+000	3.3065e+002	1.8725e+002	3.4877e+002
	-4.6320e+001	-2.7763e+000	1.3522e+000	3.3065e+002	3.5711e+002	0.0000e+000
185	-1.0586e+002	7.1311e+000	-1.3094e+000	8.0545e+001	-4.0357e+001	-8.6999e+002
	-1.0586e+002	7.1311e+000	-1.3094e+000	8.0545e+001	-2.0828e+002	4.4517e+001
186	-4.4066e+001	6.0561e+000	-1.3474e+000	6.3835e+001	1.3262e+002	-1.2859e+003
	-4.4066e+001	6.0561e+000	-1.3474e+000	6.3835e+001	-4.0179e+001	-5.0924e+002
187	-2.6650e+001	4.4039e+000	-1.9207e+000	4.6055e+001	7.2363e+001	-1.5818e+003
	-2.6650e+001	4.4039e+000	-1.9207e+000	4.6055e+001	-1.7396e+002	-1.0170e+003
188	-2.2633e+001	2.3487e+000	-2.0240e+000	3.0562e+001	1.5662e+002	-1.7037e+003
	-2.2633e+001	2.3487e+000	-2.0240e+000	3.0562e+001	-1.0294e+002	-1.4025e+003
189	3.6697e+000	5.6558e-001	-2.2532e+000	1.6583e+001	1.1632e+002	-1.6832e+003
	3.6697e+000	5.6558e-001	-2.2532e+000	1.6583e+001	-1.7264e+002	-1.6107e+003
190	2.6090e+000	-1.2147e+000	-2.2555e+000	4.2024e+000	1.7315e+002	-1.5101e+003
	2.6090e+000	-1.2147e+000	-2.2555e+000	4.2024e+000	-1.1610e+002	-1.6659e+003
191	2.9277e+001	-2.8558e+000	-2.2468e+000	-5.9758e+000	1.1776e+002	-1.1770e+003
	2.9277e+001	-2.8558e+000	-2.2468e+000	-5.9758e+000	-1.7037e+002	-1.5433e+003
192	2.8622e+001	-4.2354e+000	-1.9395e+000	-1.2374e+001	1.6776e+002	-7.0506e+002
	2.8622e+001	-4.2354e+000	-1.9395e+000	-1.2374e+001	-8.0958e+001	-1.2482e+003
200	7.4915e+001	-6.8887e+000	-6.1732e-001	-4.2153e+001	-2.6354e+001	-1.7294e+003
	7.4915e+001	-6.8887e+000	-6.1732e-001	-4.2153e+001	-9.3651e+001	-2.4804e+003
201	0.0000e+000	-1.3224e+001	-4.6742e-001	-2.0664e+001	1.0532e+002	0.0000e+000
	0.0000e+000	-1.3224e+001	-4.6742e-001	-2.0664e+001	5.8575e+001	-1.3224e+003
202	6.4772e+001	2.3920e-001	3.1310e-001	-5.5467e+001	-6.6532e+001	-1.0084e+002
	6.4772e+001	2.3920e-001	3.1310e-001	-5.5467e+001	-3.5222e+001	-7.6921e+001
203	9.6885e+001	3.2180e+000	-3.2027e-001	4.2570e+002	1.7427e+002	-4.0425e+002
	9.6885e+001	3.2180e+000	-3.2027e-001	4.2570e+002	1.3403e+002	0.0000e+000
204	-1.0179e+002	1.5219e+001	-2.6051e+000	1.2236e+002	8.9683e+001	-3.2824e+003
	-1.0179e+002	1.5219e+001	-2.6051e+000	1.2236e+002	-2.4440e+002	-1.3307e+003
205	-4.0897e+001	1.1182e+001	-3.5022e+000	9.7794e+001	2.7199e+002	-4.7978e+003
	-4.0897e+001	1.1182e+001	-3.5022e+000	9.7794e+001	-1.7714e+002	-3.3638e+003
206	7.0254e-001	7.1173e+000	-3.7421e+000	7.1166e+001	1.7865e+002	-5.7965e+003
	7.0254e-001	7.1173e+000	-3.7421e+000	7.1166e+001	-3.0124e+002	-4.8838e+003
207	9.0741e+000	3.3108e+000	-3.5173e+000	4.5271e+001	2.5223e+002	-6.2318e+003
	9.0741e+000	3.3108e+000	-3.5173e+000	4.5271e+001	-1.9884e+002	-5.8072e+003
208	4.5161e+001	-2.4254e-002	-2.8925e+000	2.0824e+001	1.3918e+002	-6.1132e+003
	4.5161e+001	-2.4254e-002	-2.8925e+000	2.0824e+001	-2.3176e+002	-6.1163e+003
209	3.5615e+001	-2.9052e+000	-2.2688e+000	-6.2768e-001	1.7469e+002	-5.4807e+003
	3.5615e+001	-2.9052e+000	-2.2688e+000	-6.2768e-001	-1.1627e+002	-5.8533e+003
210	6.4311e+001	-5.2439e+000	-1.2058e+000	-1.7958e+001	3.3722e+001	-4.4162e+003
	6.4311e+001	-5.2439e+000	-1.2058e+000	-1.7958e+001	-1.2091e+002	-5.0887e+003
211	4.9630e+001	-7.0652e+000	-1.3613e+000	-3.0741e+001	1.3358e+002	-3.0205e+003
	4.9630e+001	-7.0652e+000	-1.3613e+000	-3.0741e+001	-4.0994e+001	-3.9266e+003
219	8.1523e+001	-1.0688e+001	-9.7583e-001	-5.6477e+000	3.8506e+000	-3.0363e+003
	8.1523e+001	-1.0688e+001	-9.7583e-001	-5.6477e+000	-1.0253e+002	-4.2014e+003
220	0.0000e+000	-1.6114e+001	-1.6595e+000	1.3447e+002	1.5848e+002	0.0000e+000
	0.0000e+000	-1.6114e+001	-1.6595e+000	1.3447e+002	-7.4730e+000	-1.6114e+003
222	6.1522e+001	3.6588e+000	-1.0576e+000	-3.9748e+001	-1.0671e+001	-3.3316e+002
	6.1522e+001	3.6588e+000	-1.0576e+000	-3.9748e+001	-1.1643e+002	3.2719e+001
223	2.2938e+002	5.5026e+001	-5.4144e+000	-3.3583e+002	2.6057e+002	-6.9124e+003
	2.2938e+002	5.5026e+001	-5.4144e+000	-3.3583e+002	-4.1960e+002	0.0000e+000
224	9.1233e+001	-2.4379e+000	-2.2230e+000	-3.6090e+001	8.5336e+001	-7.9831e+003
	9.1233e+001	-2.4379e+000	-2.2230e+000	-3.6090e+001	-1.9975e+002	-8.2957e+003
225	1.0577e+002	-3.6217e+000	-8.2888e-001	-2.4622e+001	1.2846e+002	-1.0441e+004
	1.0577e+002	-3.6217e+000	-8.2888e-001	-2.4622e+001	2.2165e+001	-1.0905e+004
226	1.2493e+002	-3.6710e+000	-2.4801e-001	-1.3868e+001	-1.9204e+001	-1.1824e+004
	1.2493e+002	-3.6710e+000	-2.4801e-001	-1.3868e+001	-5.1010e+001	-1.2295e+004
227	8.7852e+001	-3.4398e+000	9.7181e-001	-4.1284e+000	2.2872e+001	-1.2217e+004
	8.7852e+001	-3.4398e+000	9.7181e-001	-4.1284e+000	1.4750e+002	-1.2658e+004
228	1.2130e+002	-3.0810e+000	9.8053e-001	4.6498e+000	-7.9179e+001	-1.1728e+004
	1.2130e+002	-3.0810e+000	9.8053e-001	4.6498e+000	4.6566e+001	-1.2123e+004
229	1.0207e+002	-3.1747e+000	8.4713e-001	1.2912e+001	2.2345e+001	-1.0451e+004
	1.0207e+002	-3.1747e+000	8.4713e-001	1.2912e+001	1.3098e+002	-1.0858e+004
230	1.1775e+002	-3.9361e+000	-7.4020e-001	1.9852e+001	2.4582e+001	-8.5183e+003
	1.1775e+002	-3.9361e+000	-7.4020e-001	1.9852e+001	-7.0343e+001	-9.0231e+003
231	6.2280e+001	-6.1779e+000	7.6059e-001	2.5888e+001	4.4901e+001	-5.9857e+003
	6.2280e+001	-6.1779e+000	7.6059e-001	2.5888e+001	1.4244e+002	-6.7780e+003
237	2.2484e+002	-5.1767e+001	1.6361e+001	8.2912e+001	-9.6700e+002	-1.4936e+003

	2.2484e+002	-5.1767e+001	1.6361e+001	8.2912e+001	8.1658e+002	-7.1368e+003
238	0.0000e+000	1.2574e+001	1.8807e+001	3.1469e+002	-8.6541e+002	0.0000e+000
	0.0000e+000	1.2574e+001	1.8807e+001	3.1469e+002	1.0153e+003	1.2574e+003
243	3.2240e+001	3.5339e+001	2.9028e+000	4.5754e+001	-2.1215e+002	-1.1489e+003
	3.2240e+001	3.5339e+001	2.9028e+000	4.5754e+001	7.8123e+001	2.3850e+003
244	-1.8866e+002	2.3317e+001	-7.9040e+000	-7.8292e+002	4.6025e+002	-2.9291e+003
	-1.8866e+002	2.3317e+001	-7.9040e+000	-7.8292e+002	-5.3267e+002	0.0000e+000
245	5.5019e+001	-1.5072e+001	-6.0118e+000	-2.0192e+002	3.4926e+002	-3.4027e+003
	5.5019e+001	-1.5072e+001	-6.0118e+000	-2.0192e+002	-4.2170e+002	-5.3356e+003
246	1.9373e+002	-1.2894e+001	-4.8277e+000	-1.5704e+002	3.6426e+002	-4.8807e+003
	1.9373e+002	-1.2894e+001	-4.8277e+000	-1.5704e+002	-2.5485e+002	-6.5343e+003
247	3.0404e+002	-9.3470e+000	-2.5465e+000	-1.0476e+002	7.0425e+001	-6.0410e+003
	3.0404e+002	-9.3470e+000	-2.5465e+000	-1.0476e+002	-2.5614e+002	-7.2397e+003
248	2.8883e+002	-2.8284e+000	-3.4860e+000	-3.8464e+001	3.0015e+002	-7.2673e+003
	2.8883e+002	-2.8284e+000	-3.4860e+000	-3.8464e+001	-1.4690e+002	-7.6300e+003
249	4.1040e+002	6.8552e+000	-1.2666e+000	3.0461e+001	6.9876e+002	-8.5278e+003
	4.1040e+002	6.8552e+000	-1.2666e+000	3.0461e+001	-1.6237e+002	-7.6487e+003
250	4.8079e+002	1.6250e+001	2.8897e+000	9.4871e+001	-1.9148e+002	-9.8825e+003
	4.8079e+002	1.6250e+001	2.8897e+000	9.4871e+001	1.7910e+002	-7.7986e+003
251	5.1532e+002	2.3142e+001	1.1233e+001	1.4351e+002	-8.7272e+002	-1.1038e+004
	5.1532e+002	2.3142e+001	1.1233e+001	1.4351e+002	5.6782e+002	-8.0701e+003
252	3.4045e+002	3.2985e+001	8.0108e+000	2.0041e+002	-4.6483e+002	-1.2428e+004
	3.4045e+002	3.2985e+001	8.0108e+000	2.0041e+002	5.6250e+002	-8.1979e+003
Condizione "(1) Torcente di piano SLD"						
Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcm)	My (Nxcm)	Mz (Nxcm)
12	-1.3608e+002	7.2646e+000	5.7186e-001	5.8429e+002	-4.0284e+002	1.7143e+003
	-1.3608e+002	7.2646e+000	5.7186e-001	5.8429e+002	-3.4565e+002	2.4407e+003
13	7.1533e+001	3.6201e+002	5.2594e+000	-2.1739e+002	-5.9123e+002	-2.3852e+004
	7.1533e+001	3.6201e+002	5.2594e+000	-2.1739e+002	-6.5282e+001	1.2349e+004
14	2.3456e+002	-1.8257e+002	-3.6823e+000	-6.7354e+002	1.4074e+002	1.2876e+004
	2.3456e+002	-1.8257e+002	-3.6823e+000	-6.7354e+002	-2.2749e+002	-5.3816e+003
15	1.1860e+002	-3.8367e+001	-6.0454e-001	-2.3673e+002	2.0882e+002	1.9652e+003
	1.1860e+002	-3.8367e+001	-6.0454e-001	-2.3673e+002	1.4837e+002	-1.8715e+003
16	3.4587e+001	-5.3305e+000	-1.2973e+000	-9.3031e+001	3.4325e+002	4.1527e+002
	3.4587e+001	-5.3305e+000	-1.2973e+000	-9.3031e+001	2.1352e+002	-1.1778e+002
162	3.4559e+001	-4.6060e+000	-2.8126e+000	-7.0922e+000	8.8462e+001	3.3446e+002
	3.4559e+001	-4.6060e+000	-2.8126e+000	-7.0922e+000	-2.1816e+002	-1.6765e+002
163	0.0000e+000	-6.4669e-002	-3.1644e+000	-2.4985e+001	2.8629e+002	0.0000e+000
	0.0000e+000	-6.4669e-002	-3.1644e+000	-2.4985e+001	-3.0148e+001	-6.4669e+000
164	2.6236e+001	-1.0434e-001	-1.6397e-001	-7.2248e+001	-4.2394e+001	2.1301e+001
	2.6236e+001	-1.0434e-001	-1.6397e-001	-7.2248e+001	-5.8791e+001	1.0867e+001
165	-7.3507e+001	-7.8730e+000	3.8471e-001	3.2997e+002	2.9079e+002	9.8902e+002
	-7.3507e+001	-7.8730e+000	3.8471e-001	3.2997e+002	3.3912e+002	0.0000e+000
166	-5.7630e+001	-1.2943e+001	-2.1180e+000	9.2944e+001	-7.0020e+001	4.7009e+002
	-5.7630e+001	-1.2943e+001	-2.1180e+000	9.2944e+001	-3.4164e+002	-1.1897e+003
167	-2.6863e+001	-1.0859e+001	-1.5797e+000	7.8512e+001	1.5683e+002	3.5086e+002
	-2.6863e+001	-1.0859e+001	-1.5797e+000	7.8512e+001	-4.5750e+001	-1.0417e+003
168	-2.3930e+001	-5.8496e+000	-2.2473e+000	5.1584e+001	8.0003e+001	7.8341e+000
	-2.3930e+001	-5.8496e+000	-2.2473e+000	5.1584e+001	-2.0819e+002	-7.4233e+002
169	-3.2497e+001	-5.0552e+000	-2.4780e+000	3.3103e+001	1.7707e+002	9.8050e+001
	-3.2497e+001	-5.0552e+000	-2.4780e+000	3.3103e+001	-1.4070e+002	-5.5024e+002
170	-1.1024e+001	-6.6200e+000	-2.7421e+000	3.2327e+001	1.4087e+002	2.2284e+002
	-1.1024e+001	-6.6200e+000	-2.7421e+000	3.2327e+001	-2.1079e+002	-6.2612e+002
171	-8.2414e+000	-5.7867e+000	-2.8931e+000	2.2443e+001	2.0779e+002	2.5551e+002
	-8.2414e+000	-5.7867e+000	-2.8931e+000	2.2443e+001	-1.6322e+002	-4.8660e+002
172	1.8393e+001	-2.3922e+000	-2.8671e+000	3.5429e+000	1.5649e+002	4.0058e+001
	1.8393e+001	-2.3922e+000	-2.8671e+000	3.5429e+000	-2.1120e+002	-2.6673e+002
173	1.5782e+001	-2.7556e+000	-2.8530e+000	-4.9858e+000	2.2800e+002	1.8072e+002
	1.5782e+001	-2.7556e+000	-2.8530e+000	-4.9858e+000	-1.3788e+002	-1.7267e+002
181	5.9859e+001	-6.4020e+000	-2.4771e+000	-2.5205e+001	6.9790e+001	-2.9346e+002
	5.9859e+001	-6.4020e+000	-2.4771e+000	-2.5205e+001	-2.0025e+002	-9.9137e+002
182	0.0000e+000	4.9369e-001	-2.5739e+000	5.9256e+001	2.5110e+002	0.0000e+000
	0.0000e+000	4.9369e-001	-2.5739e+000	5.9256e+001	-6.2904e+000	4.9369e+001
183	5.4358e+001	-2.7320e-002	-2.6792e-001	-7.1601e+001	-3.8519e+001	-2.2579e+001
	5.4358e+001	-2.7320e-002	-2.6792e-001	-7.1601e+001	-6.5311e+001	-2.5311e+001
184	-5.7388e+001	-3.4397e+000	1.6753e+000	4.0966e+002	2.3199e+002	4.3210e+002
	-5.7388e+001	-3.4397e+000	1.6753e+000	4.0966e+002	4.4244e+002	0.0000e+000
185	-1.3115e+002	8.8350e+000	-1.6223e+000	9.9791e+001	-5.0000e+001	-1.0779e+003
	-1.3115e+002	8.8350e+000	-1.6223e+000	9.9791e+001	-2.5804e+002	5.5154e+001
186	-5.4596e+001	7.5031e+000	-1.6694e+000	7.9088e+001	1.6431e+002	-1.5931e+003
	-5.4596e+001	7.5031e+000	-1.6694e+000	7.9088e+001	-4.9780e+001	-6.3092e+002
187	-3.3017e+001	5.4562e+000	-2.3797e+000	5.7059e+001	8.9654e+001	-1.9598e+003
	-3.3017e+001	5.4562e+000	-2.3797e+000	5.7059e+001	-2.1552e+002	-1.2600e+003
188	-2.8041e+001	2.9099e+000	-2.5077e+000	3.7865e+001	1.9405e+002	-2.1108e+003
	-2.8041e+001	2.9099e+000	-2.5077e+000	3.7865e+001	-1.2754e+002	-1.7377e+003
189	4.5465e+000	7.0072e-001	-2.7916e+000	2.0545e+001	1.4412e+002	-2.0855e+003

	4.5465e+000	7.0072e-001	-2.7916e+000	2.0545e+001	-2.1389e+002	-1.9956e+003
190	3.2324e+000	-1.5049e+000	-2.7945e+000	5.2065e+000	2.1453e+002	-1.8709e+003
	3.2324e+000	-1.5049e+000	-2.7945e+000	5.2065e+000	-1.4384e+002	-2.0639e+003
191	3.6273e+001	-3.5382e+000	-2.7837e+000	-7.4037e+000	1.4590e+002	-1.4583e+003
	3.6273e+001	-3.5382e+000	-2.7837e+000	-7.4037e+000	-2.1108e+002	-1.9120e+003
192	3.5461e+001	-5.2474e+000	-2.4029e+000	-1.5330e+001	2.0785e+002	-8.7354e+002
	3.5461e+001	-5.2474e+000	-2.4029e+000	-1.5330e+001	-1.0030e+002	-1.5465e+003
200	9.2816e+001	-8.5348e+000	-7.6482e-001	-5.2225e+001	-3.2651e+001	-2.1427e+003
	9.2816e+001	-8.5348e+000	-7.6482e-001	-5.2225e+001	-1.1603e+002	-3.0731e+003
201	0.0000e+000	-1.6384e+001	-5.7911e-001	-2.5602e+001	1.3048e+002	0.0000e+000
	0.0000e+000	-1.6384e+001	-5.7911e-001	-2.5602e+001	7.2571e+001	-1.6384e+003
202	8.0249e+001	2.9635e-001	3.8792e-001	-6.8720e+001	-8.2429e+001	-1.2494e+002
	8.0249e+001	2.9635e-001	3.8792e-001	-6.8720e+001	-4.3638e+001	-9.5301e+001
203	1.2004e+002	3.9870e+000	-3.9680e-001	5.2742e+002	2.1591e+002	-5.0085e+002
	1.2004e+002	3.9870e+000	-3.9680e-001	5.2742e+002	1.6606e+002	0.0000e+000
204	-1.2612e+002	1.8855e+001	-3.2276e+000	1.5159e+002	1.1111e+002	-4.0667e+003
	-1.2612e+002	1.8855e+001	-3.2276e+000	1.5159e+002	-3.0280e+002	-1.6487e+003
205	-5.0669e+001	1.3854e+001	-4.3390e+000	1.2116e+002	3.3698e+002	-5.9443e+003
	-5.0669e+001	1.3854e+001	-4.3390e+000	1.2116e+002	-2.1947e+002	-4.1676e+003
206	8.7040e+001	8.8179e+000	-4.6362e+000	8.8171e+001	2.2134e+002	-7.1816e+003
	8.7040e+001	8.8179e+000	-4.6362e+000	8.8171e+001	-3.7322e+002	-6.0508e+003
207	1.1242e+001	4.1019e+000	-4.3578e+000	5.6089e+001	3.1250e+002	-7.7209e+003
	1.1242e+001	4.1019e+000	-4.3578e+000	5.6089e+001	-2.4636e+002	-7.1949e+003
208	5.5952e+001	-3.0050e-002	-3.5836e+000	2.5800e+001	1.7243e+002	-7.5739e+003
	5.5952e+001	-3.0050e-002	-3.5836e+000	2.5800e+001	-2.8714e+002	-7.5778e+003
209	4.4125e+001	-3.5993e+000	-2.8109e+000	-7.7766e-001	2.1643e+002	-6.7903e+003
	4.4125e+001	-3.5993e+000	-2.8109e+000	-7.7766e-001	-1.4405e+002	-7.2519e+003
210	7.9678e+001	-6.4969e+000	-1.4939e+000	-2.2249e+001	4.1779e+001	-5.4715e+003
	7.9678e+001	-6.4969e+000	-1.4939e+000	-2.2249e+001	-1.4980e+002	-6.3047e+003
211	6.1489e+001	-8.7534e+000	-1.6865e+000	-3.8087e+001	1.6550e+002	-3.7423e+003
	6.1489e+001	-8.7534e+000	-1.6865e+000	-3.8087e+001	-5.0789e+001	-4.8649e+003
219	1.0100e+002	-1.3242e+001	-1.2090e+000	-6.9972e+000	4.7707e+000	-3.7618e+003
	1.0100e+002	-1.3242e+001	-1.2090e+000	-6.9972e+000	-1.2703e+002	-5.2053e+003
220	0.0000e+000	-1.9965e+001	-2.0560e+000	1.6660e+002	1.9634e+002	0.0000e+000
	0.0000e+000	-1.9965e+001	-2.0560e+000	1.6660e+002	-9.2586e+000	-1.9965e+003
222	7.6222e+001	4.5331e+000	-1.3103e+000	-4.9246e+001	-1.3220e+001	-4.1277e+002
	7.6222e+001	4.5331e+000	-1.3103e+000	-4.9246e+001	-1.4425e+002	4.0537e+001
223	2.8418e+002	6.8174e+001	-6.7082e+000	-4.1608e+002	3.2284e+002	-8.5641e+003
	2.8418e+002	6.8174e+001	-6.7082e+000	-4.1608e+002	-5.1986e+002	0.0000e+000
224	1.1303e+002	-3.0204e+000	-2.7542e+000	-4.4714e+001	1.0573e+002	-9.8906e+003
	1.1303e+002	-3.0204e+000	-2.7542e+000	-4.4714e+001	-2.4747e+002	-1.0278e+004
225	1.3105e+002	-4.4871e+000	-1.0269e+000	-3.0505e+001	1.5916e+002	-1.2935e+004
	1.3105e+002	-4.4871e+000	-1.0269e+000	-3.0505e+001	2.7461e+001	-1.3511e+004
226	1.5478e+002	-4.5482e+000	-3.0727e-001	-1.7182e+001	-2.3793e+001	-1.4650e+004
	1.5478e+002	-4.5482e+000	-3.0727e-001	-1.7182e+001	-6.3199e+001	-1.5233e+004
227	1.0884e+002	-4.2617e+000	1.2040e+000	-5.1149e+000	2.8337e+001	-1.5136e+004
	1.0884e+002	-4.2617e+000	1.2040e+000	-5.1149e+000	1.8274e+002	-1.5682e+004
228	1.5028e+002	-3.8172e+000	1.2148e+000	5.7609e+000	-9.8099e+001	-1.4530e+004
	1.5028e+002	-3.8172e+000	1.2148e+000	5.7609e+000	5.7693e+001	-1.5019e+004
229	1.2646e+002	-3.9332e+000	1.0496e+000	1.5997e+001	2.7684e+001	-1.2948e+004
	1.2646e+002	-3.9332e+000	1.0496e+000	1.5997e+001	1.6228e+002	-1.3452e+004
230	1.4589e+002	-4.8766e+000	-9.1707e-001	2.4596e+001	3.0456e+001	-1.0554e+004
	1.4589e+002	-4.8766e+000	-9.1707e-001	2.4596e+001	-8.7152e+001	-1.1179e+004
231	7.7161e+001	-7.6542e+000	9.4234e-001	3.2074e+001	5.5629e+001	-7.4160e+003
	7.7161e+001	-7.6542e+000	9.4234e-001	3.2074e+001	1.7648e+002	-8.3976e+003
237	2.7857e+002	-6.4136e+001	2.0270e+001	1.0272e+002	-1.1981e+003	-1.8504e+003
	2.7857e+002	-6.4136e+001	2.0270e+001	1.0272e+002	1.0117e+003	-8.8422e+003
238	0.0000e+000	1.5578e+001	2.3301e+001	3.8988e+002	-1.0722e+003	0.0000e+000
	0.0000e+000	1.5578e+001	2.3301e+001	3.8988e+002	1.2579e+003	1.5578e+003
243	3.9944e+001	4.3783e+001	3.5964e+000	5.6687e+001	-2.6285e+002	-1.4234e+003
	3.9944e+001	4.3783e+001	3.5964e+000	5.6687e+001	9.6790e+001	2.9548e+003
244	-2.3374e+002	2.8888e+001	-9.7927e+000	-9.7000e+002	5.7022e+002	-3.6290e+003
	-2.3374e+002	2.8888e+001	-9.7927e+000	-9.7000e+002	-6.5995e+002	0.0000e+000
245	6.8166e+001	-1.8673e+001	-7.4483e+000	-2.5017e+002	4.3271e+002	-4.2158e+003
	6.8166e+001	-1.8673e+001	-7.4483e+000	-2.5017e+002	-5.2247e+002	-6.6105e+003
246	2.4002e+002	-1.5975e+001	-5.9812e+000	-1.9457e+002	4.5130e+002	-6.0470e+003
	2.4002e+002	-1.5975e+001	-5.9812e+000	-1.9457e+002	-3.1574e+002	-8.0957e+003
247	3.7668e+002	-1.1580e+001	-3.1549e+000	-1.2979e+002	8.7253e+001	-7.4844e+003
	3.7668e+002	-1.1580e+001	-3.1549e+000	-1.2979e+002	-3.1734e+002	-8.9695e+003
248	3.5784e+002	-3.5043e+000	-4.3189e+000	-4.7655e+001	3.7187e+002	-9.0038e+003
	3.5784e+002	-3.5043e+000	-4.3189e+000	-4.7655e+001	-1.8200e+002	-9.4532e+003
249	5.0846e+002	8.4933e+000	-1.5693e+000	3.7740e+001	8.6572e-002	-1.0565e+004
	5.0846e+002	8.4933e+000	-1.5693e+000	3.7740e+001	-2.0116e+002	-9.4763e+003
250	5.9568e+002	2.0133e+001	3.5802e+000	1.1754e+002	-2.3724e+002	-1.2244e+004
	5.9568e+002	2.0133e+001	3.5802e+000	1.1754e+002	2.2190e+002	-9.6620e+003
251	6.3845e+002	2.8672e+001	1.3917e+001	1.7780e+002	-1.0813e+003	-1.3675e+004

	6.3845e+002	2.8672e+001	1.3917e+001	1.7780e+002	7.0350e+002	-9.9984e+003
252	4.2180e+002	4.0866e+001	9.9250e+000	2.4830e+002	-5.7589e+002	-1.5398e+004
	4.2180e+002	4.0866e+001	9.9250e+000	2.4830e+002	6.9691e+002	-1.0157e+004

Condizione "(1) Torcente di piano SLV"

Elemento	Nx (N)	Ty (N)	Tz (N)	Mx (Nxcmm)	My (Nxcmm)	Mz (Nxcmm)
12	-2.9712e+002	1.5861e+001	1.2486e+000	1.2757e+003	-8.7954e+002	3.7429e+003
	-2.9712e+002	1.5861e+001	1.2486e+000	1.2757e+003	-7.5468e+002	5.3290e+003
13	1.5618e+002	7.9040e+002	1.1483e+001	-4.7464e+002	-1.2909e+003	-5.2077e+004
	1.5618e+002	7.9040e+002	1.1483e+001	-4.7464e+002	-1.4253e+002	2.6963e+004
14	5.1212e+002	-3.9862e+002	-8.0398e+000	-1.4706e+003	3.0728e+002	2.8112e+004
	5.1212e+002	-3.9862e+002	-8.0398e+000	-1.4706e+003	-4.9669e+002	-1.1750e+004
15	2.5894e+002	-8.3768e+001	-1.3199e+000	-5.1686e+002	4.5593e+002	4.2907e+003
	2.5894e+002	-8.3768e+001	-1.3199e+000	-5.1686e+002	3.2394e+002	-4.0861e+003
16	7.5515e+001	-1.1638e+001	-2.8324e+000	-2.0312e+002	7.4944e+002	9.0669e+002
	7.5515e+001	-1.1638e+001	-2.8324e+000	-2.0312e+002	4.6620e+002	-2.5715e+002
162	7.5454e+001	-1.0056e+001	-6.1410e+000	-1.5485e+001	1.9314e+002	7.3025e+002
	7.5454e+001	-1.0056e+001	-6.1410e+000	-1.5485e+001	-4.7631e+002	-3.6605e+002
163	0.0000e+000	-1.4119e-001	-6.9090e+000	-5.4550e+001	6.2507e+002	0.0000e+000
	0.0000e+000	-1.4119e-001	-6.9090e+000	-5.4550e+001	-6.5823e+001	-1.4119e+001
164	5.7282e+001	-2.2782e-001	-3.5800e-001	-1.5774e+002	-9.2562e+001	4.6507e+001
	5.7282e+001	-2.2782e-001	-3.5800e-001	-1.5774e+002	-1.2836e+002	2.3725e+001
165	-1.6049e+002	-1.7190e+001	8.3997e-001	7.2043e+002	6.3490e+002	2.1594e+003
	-1.6049e+002	-1.7190e+001	8.3997e-001	7.2043e+002	7.4042e+002	0.0000e+000
166	-1.2583e+002	-2.8259e+001	-4.6244e+000	2.0293e+002	-1.5288e+002	1.0264e+003
	-1.2583e+002	-2.8259e+001	-4.6244e+000	2.0293e+002	-7.4592e+002	-2.5976e+003
167	-5.8652e+001	-2.3709e+001	-3.4490e+000	1.7142e+002	3.4242e+002	7.6606e+002
	-5.8652e+001	-2.3709e+001	-3.4490e+000	1.7142e+002	-9.9888e+001	-2.2745e+003
168	-5.2248e+001	-1.2772e+001	-4.9066e+000	1.1263e+002	1.7468e+002	1.7105e+001
	-5.2248e+001	-1.2772e+001	-4.9066e+000	1.1263e+002	-4.5456e+002	-1.6208e+003
169	-7.0953e+001	-1.1037e+001	-5.4102e+000	7.2276e+001	3.8662e+002	2.1408e+002
	-7.0953e+001	-1.1037e+001	-5.4102e+000	7.2276e+001	-3.0721e+002	-1.2014e+003
170	-2.4069e+001	-1.4454e+001	-5.9870e+000	7.0582e+001	3.0757e+002	4.8653e+002
	-2.4069e+001	-1.4454e+001	-5.9870e+000	7.0582e+001	-4.6023e+002	-1.3670e+003
171	-1.7994e+001	-1.2634e+001	-6.3165e+000	4.9001e+001	4.5368e+002	5.5786e+002
	-1.7994e+001	-1.2634e+001	-6.3165e+000	4.9001e+001	-3.5637e+002	-1.0624e+003
172	4.0159e+001	-5.2231e+000	-6.2599e+000	7.7354e+000	3.4167e+002	8.7462e+001
	4.0159e+001	-5.2231e+000	-6.2599e+000	7.7354e+000	-4.6112e+002	-5.8236e+002
173	3.4458e+001	-6.0164e+000	-6.2292e+000	-1.0886e+001	4.9781e+002	3.9457e+002
	3.4458e+001	-6.0164e+000	-6.2292e+000	-1.0886e+001	-3.0104e+002	-3.7699e+002
181	1.3069e+002	-1.3978e+001	-5.4084e+000	-5.5031e+001	1.5238e+002	-6.4074e+002
	1.3069e+002	-1.3978e+001	-5.4084e+000	-5.5031e+001	-4.3721e+002	-2.1645e+003
182	0.0000e+000	1.0779e+000	-5.6198e+000	1.2938e+002	5.4824e+002	0.0000e+000
	0.0000e+000	1.0779e+000	-5.6198e+000	1.2938e+002	-1.3734e+001	1.0779e+002
183	1.1868e+002	-5.9649e-002	-5.8496e-001	-1.5633e+002	-8.4101e+001	-4.9298e+001
	1.1868e+002	-5.9649e-002	-5.8496e-001	-1.5633e+002	-1.4260e+002	-5.5263e+001
184	-1.2530e+002	-7.5101e+000	3.6577e+000	8.9442e+002	5.0652e+002	9.4343e+002
	-1.2530e+002	-7.5101e+000	3.6577e+000	8.9442e+002	9.6600e+002	0.0000e+000
185	-2.8635e+002	1.9290e+001	-3.5420e+000	2.1788e+002	-1.0917e+002	-2.3534e+003
	-2.8635e+002	1.9290e+001	-3.5420e+000	2.1788e+002	-5.6340e+002	1.2042e+002
186	-1.1920e+002	1.6382e+001	-3.6449e+000	1.7268e+002	3.5875e+002	-3.4784e+003
	-1.1920e+002	1.6382e+001	-3.6449e+000	1.7268e+002	-1.0869e+002	-1.3775e+003
187	-7.2089e+001	1.1913e+001	-5.1957e+000	1.2458e+002	1.9575e+002	-4.2789e+003
	-7.2089e+001	1.1913e+001	-5.1957e+000	1.2458e+002	-4.7056e+002	-2.7511e+003
188	-6.1223e+001	6.3534e+000	-5.4751e+000	8.2673e+001	4.2367e+002	-4.6087e+003
	-6.1223e+001	6.3534e+000	-5.4751e+000	8.2673e+001	-2.7847e+002	-3.7939e+003
189	9.9267e+000	1.5299e+000	-6.0951e+000	4.4858e+001	3.1466e+002	-4.5533e+003
	9.9267e+000	1.5299e+000	-6.0951e+000	4.4858e+001	-4.6700e+002	-4.3571e+003
190	7.0574e+000	-3.2858e+000	-6.1013e+000	1.1368e+001	4.6839e+002	-4.0849e+003
	7.0574e+000	-3.2858e+000	-6.1013e+000	1.1368e+001	-3.1405e+002	-4.5062e+003
191	7.9196e+001	-7.7251e+000	-6.0777e+000	-1.6165e+001	3.1855e+002	-3.1840e+003
	7.9196e+001	-7.7251e+000	-6.0777e+000	-1.6165e+001	-4.6086e+002	-4.1746e+003
192	7.7424e+001	-1.1457e+001	-5.2463e+000	-3.3472e+001	4.5381e+002	-1.9072e+003
	7.7424e+001	-1.1457e+001	-5.2463e+000	-3.3472e+001	-2.1900e+002	-3.3765e+003
200	2.0265e+002	-1.8634e+001	-1.6699e+000	-1.1402e+002	-7.1289e+001	-4.6782e+003
	2.0265e+002	-1.8634e+001	-1.6699e+000	-1.1402e+002	-2.5333e+002	-6.7096e+003
201	0.0000e+000	-3.5772e+001	-1.2644e+000	-5.5897e+001	2.8489e+002	0.0000e+000
	0.0000e+000	-3.5772e+001	-1.2644e+000	-5.5897e+001	1.5845e+002	-3.5772e+003
202	1.7521e+002	6.4705e-001	8.4696e-001	-1.5004e+002	-1.7997e+002	-2.7278e+002
	1.7521e+002	6.4705e-001	8.4696e-001	-1.5004e+002	-9.5277e+001	-2.0808e+002
203	2.6208e+002	8.7049e+000	-8.6635e-001	1.1515e+003	4.7140e+002	-1.0935e+003
	2.6208e+002	8.7049e+000	-8.6635e-001	1.1515e+003	3.6257e+002	0.0000e+000
204	-2.7535e+002	4.1168e+001	-7.0469e+000	3.3098e+002	2.4260e+002	-8.8791e+003
	-2.7535e+002	4.1168e+001	-7.0469e+000	3.3098e+002	-6.6112e+002	-3.5996e+003
205	-1.1063e+002	3.0249e+001	-9.4736e+000	2.6454e+002	7.3574e+002	-1.2978e+004
	-1.1063e+002	3.0249e+001	-9.4736e+000	2.6454e+002	-4.7917e+002	-9.0992e+003
206	1.9004e+000	1.9253e+001	-1.0123e+001	1.9251e+002	4.8327e+002	-1.5680e+004

	1.9004e+000	1.9253e+001	-1.0123e+001	1.9251e+002	-8.1487e+002	-1.3211e+004
207	2.4546e+001	8.9559e+000	-9.5146e+000	1.2246e+002	6.8229e+002	-1.6857e+004
	2.4546e+001	8.9559e+000	-9.5146e+000	1.2246e+002	-5.3788e+002	-1.5709e+004
208	1.2216e+002	-6.5609e-002	-7.8243e+000	5.6330e+001	3.7648e+002	-1.6537e+004
	1.2216e+002	-6.5609e-002	-7.8243e+000	5.6330e+001	-6.2693e+002	-1.6545e+004
209	9.6340e+001	-7.8586e+000	-6.1372e+000	-1.6979e+000	4.7254e+002	-1.4826e+004
	9.6340e+001	-7.8586e+000	-6.1372e+000	-1.6979e+000	-3.1450e+002	-1.5834e+004
210	1.7396e+002	-1.4185e+001	-3.2616e+000	-4.8577e+001	9.1219e+001	-1.1946e+004
	1.7396e+002	-1.4185e+001	-3.2616e+000	-4.8577e+001	-3.2706e+002	-1.3765e+004
211	1.3425e+002	-1.9112e+001	-3.6823e+000	-8.3157e+001	3.6134e+002	-8.1708e+003
	1.3425e+002	-1.9112e+001	-3.6823e+000	-8.3157e+001	-1.1089e+002	-1.0622e+004
219	2.2052e+002	-2.8911e+001	-2.6397e+000	-1.5277e+001	1.0416e+001	-8.2134e+003
	2.2052e+002	-2.8911e+001	-2.6397e+000	-1.5277e+001	-2.7735e+002	-1.1365e+004
220	0.0000e+000	-4.3590e+001	-4.4890e+000	3.6374e+002	4.2868e+002	0.0000e+000
	0.0000e+000	-4.3590e+001	-4.4890e+000	3.6374e+002	-2.0215e+001	-4.3590e+003
222	1.6642e+002	9.8974e+000	-2.8608e+000	-1.0752e+002	-2.8865e+001	-9.0123e+002
	1.6642e+002	9.8974e+000	-2.8608e+000	-1.0752e+002	-3.1495e+002	8.8507e+001
223	6.2048e+002	1.4885e+002	-1.4646e+001	-9.0844e+002	7.0487e+002	-1.8699e+004
	6.2048e+002	1.4885e+002	-1.4646e+001	-9.0844e+002	-1.1350e+003	0.0000e+000
224	2.4679e+002	-6.5947e+000	-6.0133e+000	-9.7627e+001	2.3084e+002	-2.1595e+004
	2.4679e+002	-6.5947e+000	-6.0133e+000	-9.7627e+001	-5.4032e+002	-2.2440e+004
225	2.8612e+002	-9.7969e+000	-2.2422e+000	-6.6604e+001	3.4750e+002	-2.8242e+004
	2.8612e+002	-9.7969e+000	-2.2422e+000	-6.6604e+001	5.9957e+001	-2.9499e+004
226	3.3794e+002	-9.9303e+000	-6.7089e-001	-3.7514e+001	-5.1949e+001	-3.1986e+004
	3.3794e+002	-9.9303e+000	-6.7089e-001	-3.7514e+001	-1.3798e+002	-3.3259e+004
227	2.3764e+002	-9.3049e+000	2.6288e+000	-1.1168e+001	6.1870e+001	-3.3047e+004
	2.3764e+002	-9.3049e+000	2.6288e+000	-1.1168e+001	3.9899e+002	-3.4240e+004
228	3.2812e+002	-8.3343e+000	2.6524e+000	1.2578e+001	-2.1418e+002	-3.1724e+004
	3.2812e+002	-8.3343e+000	2.6524e+000	1.2578e+001	1.2596e+002	-3.2792e+004
229	2.7610e+002	-8.5876e+000	2.2915e+000	3.4927e+001	6.0444e+001	-2.8270e+004
	2.7610e+002	-8.5876e+000	2.2915e+000	3.4927e+001	3.5432e+002	-2.9371e+004
230	3.1852e+002	-1.0647e+001	-2.0023e+000	5.3702e+001	6.6496e+001	-2.3042e+004
	3.1852e+002	-1.0647e+001	-2.0023e+000	5.3702e+001	-1.9028e+002	-2.4408e+004
231	1.6847e+002	-1.6712e+001	2.0575e+000	7.0029e+001	1.2146e+002	-1.6192e+004
	1.6847e+002	-1.6712e+001	2.0575e+000	7.0029e+001	3.8531e+002	-1.8335e+004
237	6.0821e+002	-1.4003e+002	4.4257e+001	2.2428e+002	-2.6158e+003	-4.0401e+003
	6.0821e+002	-1.4003e+002	4.4257e+001	2.2428e+002	2.2089e+003	-1.9306e+004
238	0.0000e+000	3.4013e+001	5.0874e+001	8.5125e+002	-2.3410e+003	0.0000e+000
	0.0000e+000	3.4013e+001	5.0874e+001	8.5125e+002	2.7464e+003	3.4013e+003
243	8.7211e+001	9.5593e+001	7.8522e+000	1.2377e+002	-5.7389e+002	-3.1079e+003
	8.7211e+001	9.5593e+001	7.8522e+000	1.2377e+002	2.1133e+002	6.4515e+003
244	-5.1033e+002	6.3073e+001	-2.1381e+001	-2.1179e+003	1.2450e+003	-7.9234e+003
	-5.1033e+002	6.3073e+001	-2.1381e+001	-2.1179e+003	-1.4409e+003	0.0000e+000
245	1.4883e+002	-4.0770e+001	-1.6262e+001	-5.4620e+002	9.4477e+002	-9.2046e+003
	1.4883e+002	-4.0770e+001	-1.6262e+001	-5.4620e+002	-1.1407e+003	-1.4433e+004
246	5.2405e+002	-3.4879e+001	-1.3059e+001	-4.2481e+002	9.8536e+002	-1.3203e+004
	5.2405e+002	-3.4879e+001	-1.3059e+001	-4.2481e+002	-6.8937e+002	-1.7676e+004
247	8.2244e+002	-2.5284e+001	-6.8883e+000	-2.8337e+002	1.9050e+002	-1.6341e+004
	8.2244e+002	-2.5284e+001	-6.8883e+000	-2.8337e+002	-6.9287e+002	-1.9584e+004
248	7.8129e+002	-7.6511e+000	-9.4298e+000	-1.0405e+002	8.1193e+002	-1.9658e+004
	7.8129e+002	-7.6511e+000	-9.4298e+000	-1.0405e+002	-3.9736e+002	-2.0640e+004
249	1.1101e+003	1.8544e+001	-3.4263e+000	8.2399e+001	1.8902e-001	-2.3068e+004
	1.1101e+003	1.8544e+001	-3.4263e+000	8.2399e+001	-4.3921e+002	-2.0690e+004
250	1.3006e+003	4.3957e+001	7.8168e+000	2.5663e+002	-5.1797e+002	-2.6733e+004
	1.3006e+003	4.3957e+001	7.8168e+000	2.5663e+002	4.8447e+002	-2.1096e+004
251	1.3940e+003	6.2601e+001	3.0386e+001	3.8821e+002	-2.3608e+003	-2.9858e+004
	1.3940e+003	6.2601e+001	3.0386e+001	3.8821e+002	1.5360e+003	-2.1830e+004
252	9.2093e+002	8.9225e+001	2.1670e+001	5.4212e+002	-1.2574e+003	-3.3618e+004
	9.2093e+002	8.9225e+001	2.1670e+001	5.4212e+002	1.5216e+003	-2.2176e+004

Materiali

Tipologia legno:	Legno lamellare
Classe di servizio:	1
Resistenza a flessione (N/cm2):	2.8000e+003
Resistenza a trazione parallela alle fibre (N/cm2):	2.2300e+003
Resistenza a compressione parallela alle fibre (N/cm2):	2.8000e+003
Resistenza a trazione ortogonale alle fibre (N/cm2):	5.0000e+001
Resistenza a compressione ortogonale alle fibre (N/cm2):	2.5000e+002
Resistenza a taglio (N/cm2):	3.5000e+002
Coefficiente di sicurezza parziale	1.4500e+000
Massa volumica caratteristica (kg/mc)	4.1000e+002
Modulo elastico medio parallelo fibre (N/cm2):	1.2600e+006
Modulo elastico medio ortogonale fibre (N/cm2):	3.0000e+004
Modulo elastico caratteristico (N/cm2):	1.0500e+006
Modulo tangenziale caratteristico (N/cm2):	6.5000e+004
Coefficiente di deformabilità	6.0000e-001
Coefficiente correttivo per durata Permanente	6.0000e-001
Coefficiente correttivo per durata Lunga	7.0000e-001
Coefficiente correttivo per durata Media	8.0000e-001
Coefficiente correttivo per durata Breve	9.0000e-001

Coefficiente correttivo per durata Istantanea 1.0000e+000
Resistenza snervamento acciaio accessorio (N/cm2): 2.7500e+004
Resistenza rottura acciaio accessorio (N/cm2): 4.4000e+004
Coefficiente di sicurezza parziale acciaio accessorio 1.2500e+000

Verifica a flessione membrature

Elem	Tipo	Absc. (cm)	Cmb	khy	khz	kmod	sdx (N/cm2)	sdym (N/cm2)	sdz (N/cm2)	srx (N/cm2)	sry (N/cm2)	srz (N/cm2)	F.Sic
12	T	0.00	66	1.04	1.10	1.00	9.81	67.62	89.14	1537.93	2010.94	2124.14	> 10.00
13	T	0.00	64	1.04	1.10	1.00	0.45	72.56	118.99	1931.03	2010.94	2124.14	> 10.00
14	T	0.00	65	1.04	1.10	1.00	23.01	71.92	71.38	1537.93	2010.94	2124.14	> 10.00
15	T	0.00	66	1.04	1.10	1.00	19.83	65.15	40.15	1537.93	2010.94	2124.14	> 10.00
16	T	0.00	66	1.04	1.10	1.00	22.47	75.20	63.99	1537.93	2010.94	2124.14	> 10.00
162	T	109.01	69	1.00	1.10	1.00	21.14	21.49	488.13	1537.93	1931.03	2124.14	3.93
163	T	100.00	69	1.00	1.10	1.00	0.00	18.69	233.30	1537.93	1931.03	2124.14	8.37
164	T	0.00	69	1.04	1.10	1.00	25.88	5.47	50.22	1537.93	2010.94	2124.14	> 10.00
165	T	0.00	69	1.00	1.10	1.00	32.10	13.62	311.35	1537.93	1931.03	2124.14	5.73
166	T	0.00	69	1.00	1.10	1.00	30.50	15.29	501.35	1537.93	1931.03	2124.14	3.79
167	T	0.00	69	1.00	1.10	1.00	33.10	14.48	695.28	1537.93	1931.03	2124.14	2.81
168	T	96.18	69	1.00	1.10	1.00	38.29	9.13	840.32	1537.93	1931.03	2124.14	2.35
169	T	128.24	69	1.00	1.10	1.00	41.19	9.34	935.53	1537.93	1931.03	2124.14	2.12
170	T	128.24	69	1.00	1.10	1.00	41.79	2.48	974.72	1537.93	1931.03	2124.14	2.05
171	T	128.24	69	1.00	1.10	1.00	39.93	5.03	951.88	1537.93	1931.03	2124.14	2.10
172	T	128.24	69	1.00	1.10	1.00	35.60	11.85	864.93	1537.93	1931.03	2124.14	2.29
173	T	128.24	69	1.00	1.10	1.00	31.71	17.14	714.58	1537.93	1931.03	2124.14	2.73
181	T	109.01	69	1.00	1.10	1.00	1.71	10.34	564.93	1931.03	1931.03	2124.14	3.69
182	T	100.00	69	1.00	1.10	1.00	0.00	12.17	287.10	1537.93	1931.03	2124.14	7.07
183	T	0.00	69	1.04	1.10	1.00	25.92	2.69	53.12	1537.93	2010.94	2124.14	> 10.00
184	T	0.00	69	1.00	1.10	1.00	15.07	11.03	369.52	1537.93	1931.03	2124.14	5.28
185	T	0.00	69	1.00	1.10	1.00	0.37	11.09	673.62	1537.93	1931.03	2124.14	3.09
186	T	0.00	69	1.00	1.10	1.00	10.85	8.82	952.92	1931.03	1931.03	2124.14	2.21
187	T	0.00	69	1.00	1.10	1.00	19.30	6.65	1143.58	1931.03	1931.03	2124.14	1.85
188	T	0.00	69	1.00	1.10	1.00	24.81	3.24	1245.26	1931.03	1931.03	2124.14	1.70
189	T	64.12	69	1.00	1.10	1.00	26.20	0.01	1273.16	1931.03	1931.03	2124.14	1.67
190	T	128.24	69	1.00	1.10	1.00	24.12	3.38	1222.88	1931.03	1931.03	2124.14	1.73
191	T	128.24	69	1.00	1.10	1.00	19.03	6.57	1093.09	1931.03	1931.03	2124.14	1.93
192	T	128.24	69	1.00	1.10	1.00	9.54	9.24	873.06	1931.03	1931.03	2124.14	2.40
200	T	109.01	69	1.00	1.10	1.00	2.25	0.12	606.27	1931.03	1931.03	2124.14	3.50
201	T	100.00	69	1.00	1.10	1.00	0.00	0.39	301.62	1537.93	1931.03	2124.14	7.03
202	T	0.00	69	1.04	1.10	1.00	23.06	0.14	48.73	1537.93	2010.94	2124.14	> 10.00
203	T	0.00	69	1.00	1.10	1.00	10.48	1.10	396.05	1537.93	1931.03	2124.14	5.16
204	T	0.00	69	1.00	1.10	1.00	3.52	1.54	726.74	1931.03	1931.03	2124.14	2.92
205	T	0.00	69	1.00	1.10	1.00	14.24	0.36	1027.49	1931.03	1931.03	2124.14	2.07
206	T	0.00	69	1.00	1.10	1.00	23.70	0.26	1232.88	1931.03	1931.03	2124.14	1.72
207	T	0.00	69	1.00	1.10	1.00	30.02	0.25	1341.28	1931.03	1931.03	2124.14	1.58
208	T	64.12	69	1.00	1.10	1.00	31.48	0.08	1368.26	1931.03	1931.03	2124.14	1.55
209	T	128.24	69	1.00	1.10	1.00	28.68	0.41	1316.58	1931.03	1931.03	2124.14	1.61
210	T	128.24	69	1.00	1.10	1.00	22.34	0.43	1176.11	1931.03	1931.03	2124.14	1.80
211	T	128.24	69	1.00	1.10	1.00	11.34	0.06	938.23	1931.03	1931.03	2124.14	2.26
219	T	109.01	69	1.00	1.10	1.00	0.61	10.64	573.66	1931.03	1931.03	2124.14	3.63
220	T	100.00	69	1.00	1.10	1.00	0.00	11.22	289.24	1537.93	1931.03	2124.14	7.04
222	T	100.00	69	1.04	1.10	1.00	25.36	3.77	101.61	1537.93	2010.94	2124.14	> 10.00
223	T	0.00	69	1.00	1.10	1.00	16.80	12.39	383.57	1537.93	1931.03	2124.14	5.05
224	T	0.00	69	1.00	1.10	1.00	2.52	10.84	692.83	1931.03	1931.03	2124.14	3.01
225	T	0.00	69	1.00	1.10	1.00	13.68	8.98	980.19	1931.03	1931.03	2124.14	2.15
226	T	0.00	69	1.00	1.10	1.00	21.67	5.33	1175.58	1931.03	1931.03	2124.14	1.80
227	T	32.06	69	1.00	1.10	1.00	26.31	0.85	1281.93	1931.03	1931.03	2124.14	1.66
228	T	64.12	69	1.00	1.10	1.00	26.95	0.32	1308.16	1931.03	1931.03	2124.14	1.62
229	T	128.24	69	1.00	1.10	1.00	23.82	4.75	1255.46	1931.03	1931.03	2124.14	1.68
230	T	128.24	69	1.00	1.10	1.00	17.92	7.75	1119.69	1931.03	1931.03	2124.14	1.88
231	T	128.24	69	1.00	1.10	1.00	8.14	10.06	891.88	1931.03	1931.03	2124.14	2.35
237	T	0.00	69	1.00	1.10	1.00	20.52	18.15	429.31	1537.93	1931.03	2124.14	4.45
238	T	100.00	69	1.00	1.10	1.00	0.00	16.64	264.92	1537.93	1931.03	2124.14	7.50
243	T	100.00	58	1.04	1.10	1.00	18.10	3.77	94.67	1537.93	2010.94	2124.14	> 10.00
244	T	0.00	69	1.00	1.10	1.00	34.16	19.09	345.43	1537.93	1931.03	2124.14	5.14
245	T	0.00	69	1.00	1.10	1.00	32.89	19.44	594.64	1537.93	1931.03	2124.14	3.21
246	T	0.00	69	1.00	1.10	1.00	35.86	14.67	800.07	1537.93	1931.03	2124.14	2.45
247	T	0.00	69	1.00	1.10	1.00	39.82	8.95	934.28	1537.93	1931.03	2124.14	2.13
248	T	0.00	69	1.00	1.10	1.00	41.92	2.42	1002.81	1537.93	1931.03	2124.14	2.00
249	T	0.00	69	1.00	1.10	1.00	42.21	4.75	1002.54	1537.93	1931.03	2124.14	1.99
250	T	0.00	69	1.00	1.10	1.00	39.96	11.66	933.15	1537.93	1931.03	2124.14	2.12
251	T	128.24	69	1.00	1.10	1.00	35.22	12.65	808.70	1537.93	1931.03	2124.14	2.44
252	T	128.24	69	1.00	1.10	1.00	30.66	15.35	645.59	1537.93	1931.03	2124.14	3.01

Minimo fattore di sicurezza: 1.551701 >= 1.00

I risultati si riferiscono alla sezione ad ascissa **Absc** e per la combinazione dei carichi **Cmb** dell'elemento di indice **Elem** e di **Tipo P** (pilastro) o **T** Trave, per le quali si è riscontrato il coefficiente di sicurezza **F.Sic.** minore.
Le tensioni di calcolo **sd** e resistenti **sr** sono riportate per le tre componenti x,y,z. La resistenza caratteristica flessionale è=285.52 N/cm2, il fattore parziale di sicurezza è=1.45.

Verifica instabilità

Elem	Tipo	Absc. (cm)	Cmb	kmod	leff.c (cm)	leff.m (cm)	lrel,c	lrel,m	kcr,c	kcr,m	sdx (N/cm2)	sdym (N/cm2)	sdz (N/cm2)	srx (N/cm2)	sry (N/cm2)	srz (N/cm2)	F.Sic
12	T	0.00	66	1.00	0.00	0.00	0.00	0.00	0.00	0.00	9.81	67.62	89.14	1537.93	2010.94	2124.14	> 10.00
13	T	0.00	64	1.00	100.00	100.00	0.26	0.15	1.00	1.00	0.45	72.56	118.99	1931.03	2010.94	2124.14	> 10.00
14	T	0.00	65	1.00	100.00	100.00	0.26	0.15	1.00	1.00	23.01	71.92	71.38	1537.93	2010.94	2124.14	> 10.00
15	T	0.00	66	1.00	100.00	100.00	0.26	0.15	1.00	1.00	19.83	65.15	40.15	1537.93	2010.94	2124.14	> 10.00
16	T	0.00	66	1.00	100.00	100.00	0.26	0.15	1.00	1.00	22.47	75.20	63.99	1537.93	2010.94	2124.14	> 10.00
162	T	109.01	69	1.00	109.01	109.01	0.28	0.14	1.00	1.00	21.14	21.49	488.13	1537.93	1931.03	2124.14	3.93
163	T	100.00	69	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.69	233.30	1537.93	1931.03	2124.14	8.37
164	T	0.00	69	1.00	100.00	100.00	0.26	0.15	1.00	1.00	25.88	5.47	50.22	1537.93	2010.94	2124.14	> 10.00
165	T	0.00	69	1.00	125.62	125.62	0.33	0.15	1.00	1.00	32.10	13.62	311.35	1537.93	1931.03	2124.14	5.73
166	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	30.50	15.29	501.35	1537.93	1931.03	2124.14	3.79
167	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	33.10	14.48	695.28	1537.93	1931.03	2124.14	2.81
168	T	96.18	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	38.29	9.13	840.32	1537.93	1931.03	2124.14	2.35
169	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	41.19	9.34	935.53	1537.93	1931.03	2124.14	2.12

170	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	41.79	2.48	974.72	1537.93	1931.03	2124.14	2.05
171	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	39.93	5.03	951.88	1537.93	1931.03	2124.14	2.10
172	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	35.60	11.85	864.93	1537.93	1931.03	2124.14	2.29
173	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	31.71	17.14	714.58	1537.93	1931.03	2124.14	2.73
181	T	109.01	69	1.00	109.01	109.01	0.28	0.14	1.00	1.00	1.71	10.34	564.93	1931.03	1931.03	2124.14	3.67
182	T	100.00	69	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.17	287.10	1537.93	1931.03	2124.14	7.07
183	T	0.00	69	1.00	100.00	100.00	0.26	0.15	1.00	1.00	25.92	2.69	53.12	1537.93	2010.94	2124.14	> 10.00
184	T	0.00	69	1.00	125.62	125.62	0.33	0.15	1.00	1.00	15.07	11.03	369.52	1537.93	1931.03	2124.14	5.28
185	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	0.37	11.09	673.62	1537.93	1931.03	2124.14	3.09
186	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	10.85	8.82	952.92	1931.03	1931.03	2124.14	2.18
187	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	19.30	6.65	1143.58	1931.03	1931.03	2124.14	1.81
188	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	24.81	3.24	1245.26	1931.03	1931.03	2124.14	1.66
189	T	64.12	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	26.20	0.01	1273.16	1931.03	1931.03	2124.14	1.63
190	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	24.12	3.38	1222.88	1931.03	1931.03	2124.14	1.69
191	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	19.03	6.57	1093.09	1931.03	1931.03	2124.14	1.89
192	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	9.54	9.24	873.06	1931.03	1931.03	2124.14	2.38
200	T	109.01	69	1.00	109.01	109.01	0.28	0.14	1.00	1.00	2.25	0.12	606.27	1931.03	1931.03	2124.14	3.49
201	T	100.00	69	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	301.62	1537.93	1931.03	2124.14	7.03
202	T	0.00	69	1.00	100.00	100.00	0.26	0.15	1.00	1.00	23.06	0.14	48.73	1537.93	2010.94	2124.14	> 10.00
203	T	0.00	69	1.00	125.62	125.62	0.33	0.15	1.00	1.00	10.48	1.10	396.05	1537.93	1931.03	2124.14	5.16
204	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	3.52	1.54	726.74	1931.03	1931.03	2124.14	2.90
205	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	14.24	0.36	1027.49	1931.03	1931.03	2124.14	2.04
206	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	23.70	0.26	1232.88	1931.03	1931.03	2124.14	1.69
207	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	30.02	0.25	1341.28	1931.03	1931.03	2124.14	1.55
208	T	64.12	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	31.48	0.08	1368.26	1931.03	1931.03	2124.14	1.51
209	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	28.68	0.41	1316.58	1931.03	1931.03	2124.14	1.57
210	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	22.34	0.43	1176.11	1931.03	1931.03	2124.14	1.77
211	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	11.34	0.06	938.23	1931.03	1931.03	2124.14	2.23
219	T	109.01	69	1.00	109.01	109.01	0.28	0.14	1.00	1.00	0.61	10.64	573.66	1931.03	1931.03	2124.14	3.62
220	T	100.00	69	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.22	289.24	1537.93	1931.03	2124.14	7.04
222	T	100.00	69	1.00	100.00	100.00	0.26	0.15	1.00	1.00	25.36	3.77	101.61	1537.93	2010.94	2124.14	> 10.00
223	T	0.00	69	1.00	125.62	125.62	0.33	0.15	1.00	1.00	16.80	12.39	383.57	1537.93	1931.03	2124.14	5.05
224	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	2.52	10.84	692.83	1931.03	1931.03	2124.14	3.00
225	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	13.68	8.98	980.19	1931.03	1931.03	2124.14	2.11
226	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	21.67	5.33	1175.58	1931.03	1931.03	2124.14	1.76
227	T	32.06	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	26.31	0.85	1281.93	1931.03	1931.03	2124.14	1.62
228	T	64.12	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	26.95	0.32	1308.16	1931.03	1931.03	2124.14	1.59
229	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	23.82	4.75	1255.46	1931.03	1931.03	2124.14	1.65
230	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	17.92	7.75	1119.69	1931.03	1931.03	2124.14	1.85
231	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	8.14	10.06	891.88	1931.03	1931.03	2124.14	2.33
237	T	0.00	69	1.00	109.01	109.01	0.28	0.14	1.00	1.00	20.52	18.15	429.31	1537.93	1931.03	2124.14	4.45
238	T	100.00	69	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.64	264.92	1537.93	1931.03	2124.14	7.50
243	T	100.00	58	1.00	100.00	100.00	0.26	0.15	1.00	1.00	18.10	3.77	94.67	1537.93	2010.94	2124.14	> 10.00
244	T	0.00	69	1.00	0.00	0.00	0.00	0.00	0.00	0.00	34.16	19.09	345.43	1537.93	1931.03	2124.14	5.14
245	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	32.89	19.44	594.64	1537.93	1931.03	2124.14	3.21
246	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	35.86	14.67	800.07	1537.93	1931.03	2124.14	2.45
247	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	39.82	8.95	934.28	1537.93	1931.03	2124.14	2.13
248	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	41.92	2.42	1002.81	1537.93	1931.03	2124.14	2.00
249	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	42.21	4.75	1002.54	1537.93	1931.03	2124.14	1.99
250	T	0.00	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	39.96	11.66	933.15	1537.93	1931.03	2124.14	2.12
251	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	35.22	12.65	808.70	1537.93	1931.03	2124.14	2.44
252	T	128.24	69	1.00	128.24	128.24	0.33	0.15	1.00	1.00	30.66	15.35	645.59	1537.93	1931.03	2124.14	3.01

Minimo fattore di sicurezza:

1.513895
>= 1.00

I risultati si riferiscono alla sezione ad ascissa **Absc** e per la combinazione dei carichi **Cmb** dell'elemento di indice **Elem** e di **Tipo P** (pilastro) o **T Trave**, per le quali si è riscontrato il coefficiente di sicurezza **F.Sic.** minore.
Le tensioni di calcolo **sd** e resistenti **sr** sono riportate per le tre componenti **x,y,z**. Vengono riportate anche le lunghezze efficaci **leff.c** e **leff.m** e le snellezze relative **lrel.c** e **lrel.m** rispettivamente di compressione e flessionale e i coefficienti **kcr.c** e **kcr.m**

Verifica a taglio							
Elem	Tipo	Absc. (cm)	Cmb	kmod	tau.d (N/cm2)	tau.r (N/cm2)	F.sic.
12	T	0.00	69	0.70	21.74	168.97	7.77
13	T	0.00	69	0.70	21.73	168.97	7.78
14	T	0.00	69	0.70	16.75	168.97	> 10.00
15	T	0.00	69	0.70	17.06	168.97	9.90
16	T	0.00	69	0.70	18.35	168.97	9.21
162	T	0.00	69	0.70	29.17	168.97	5.79
163	T	0.00	69	0.70	47.76	168.97	3.54
164	T	0.00	69	0.70	14.09	168.97	> 10.00
165	T	125.62	69	0.70	55.60	168.97	3.04
166	T	128.24	69	0.70	17.61	168.97	9.60
167	T	128.24	71	0.70	11.43	168.97	> 10.00
168	T	0.00	69	0.70	10.25	168.97	> 10.00
169	T	0.00	69	0.70	13.18	168.97	> 10.00
170	T	0.00	69	0.70	19.30	168.97	8.76
171	T	0.00	69	0.70	22.62	168.97	7.47
172	T	0.00	69	0.70	24.63	168.97	6.86
173	T	0.00	69	0.70	28.11	168.97	6.01
181	T	0.00	69	0.70	24.74	168.97	6.83
182	T	0.00	69	0.70	62.86	168.97	2.69
183	T	0.00	69	0.70	14.45	168.97	> 10.00
184	T	125.62	69	0.70	66.37	168.97	2.55
185	T	128.24	69	0.70	30.57	168.97	5.53
186	T	128.24	69	0.70	24.01	168.97	7.04
187	T	128.24	69	0.70	18.20	168.97	9.28
188	T	128.24	69	0.70	12.77	168.97	> 10.00
189	T	0.00	69	0.70	8.99	168.97	> 10.00
190	T	0.00	69	0.70	14.50	168.97	> 10.00
191	T	0.00	69	0.70	20.06	168.97	8.42
192	T	0.00	69	0.70	26.14	168.97	6.46
200	T	0.00	69	0.70	31.67	168.97	5.33
201	T	0.00	69	0.70	67.29	168.97	2.51
202	T	0.00	69	0.70	13.98	168.97	> 10.00
203	T	125.62	69	0.70	70.63	168.97	2.39
204	T	128.24	69	0.70	36.17	168.97	4.67
205	T	128.24	69	0.70	28.72	168.97	5.88

206	T	128.24	69	0.70	21.41	168.97	7.89
207	T	128.24	69	0.70	14.17	168.97	> 10.00
208	T	0.00	69	0.70	9.31	168.97	> 10.00
209	T	0.00	69	0.70	16.48	168.97	> 10.00
210	T	0.00	69	0.70	23.80	168.97	7.10
211	T	0.00	69	0.70	31.24	168.97	5.41
219	T	0.00	69	0.70	24.29	168.97	6.96
220	T	0.00	69	0.70	63.41	168.97	2.66
222	T	100.00	69	0.70	21.64	168.97	7.81
223	T	125.62	69	0.70	68.50	168.97	2.47
224	T	128.24	69	0.70	29.47	168.97	5.73
225	T	128.24	69	0.70	23.33	168.97	7.24
226	T	128.24	69	0.70	17.77	168.97	9.51
227	T	128.24	69	0.70	12.48	168.97	> 10.00
228	T	0.00	69	0.70	10.06	168.97	> 10.00
229	T	0.00	69	0.70	14.89	168.97	> 10.00
230	T	0.00	69	0.70	20.30	168.97	8.32
231	T	0.00	69	0.70	26.36	168.97	6.41
237	T	109.01	71	0.70	10.69	168.97	> 10.00
238	T	0.00	69	0.70	55.98	168.97	3.02
243	T	100.00	69	0.70	17.19	168.97	9.83
244	T	125.62	69	0.70	60.41	168.97	2.80
245	T	128.24	69	0.70	30.93	168.97	5.46
246	T	128.24	69	0.70	27.04	168.97	6.25
247	T	128.24	69	0.70	24.53	168.97	6.89
248	T	128.24	69	0.70	22.46	168.97	7.52
249	T	128.24	69	0.70	18.27	168.97	9.25
250	T	128.24	71	0.70	11.17	168.97	> 10.00
251	T	0.00	70	0.70	11.21	168.97	> 10.00
252	T	0.00	69	0.70	15.01	168.97	> 10.00

Minimo fattore di sicurezza: 2.392099 >= 1.00

*I risultati si riferiscono alla sezione ad ascissa **Absc** e per la combinazione dei carichi **Cmb** dell'elemento di indice **Elem** e di **Tipo P** (pilastro) o **T** Trave, per le quali si è riscontrato il coefficiente di sicurezza **F.Sic.** minore. Vengono riportate le tensioni tangenziali **tau.d** e **tau.r** rispettivamente di progetto e resistente e il fattore di sicurezza **F. sic.***

Verifica a torsione									
Elem	Tipo	Absc. (cm)	Cmb	kmod	ksh	ttau.d (N/cm2)	tau.r (N/cm2)	F.sic. Trs-Tgl	F.sic.
12	T	100.00	55	1.00	1.00	4.88	307.21	> 10.00	> 10.00
13	T	100.00	57	1.00	1.00	1.31	307.21	> 10.00	> 10.00
14	T	100.00	56	1.00	1.00	2.58	307.21	> 10.00	> 10.00
15	T	100.00	55	1.00	1.00	0.94	307.21	> 10.00	> 10.00
16	T	100.00	38	1.00	1.00	2.55	307.21	> 10.00	> 10.00
162	T	109.01	69	0.70	1.00	7.57	262.05	> 10.00	> 10.00
163	T	100.00	69	0.70	1.00	27.87	262.05	6.80	9.40
164	T	100.00	69	0.70	1.00	2.61	215.05	> 10.00	> 10.00
165	T	125.62	68	1.00	1.00	15.57	374.36	6.67	> 10.00
166	T	128.24	69	0.70	1.00	11.92	262.05	> 10.00	> 10.00
167	T	128.24	69	0.70	1.00	10.44	262.05	> 10.00	> 10.00
168	T	128.24	69	0.70	1.00	8.02	262.05	> 10.00	> 10.00
169	T	128.24	69	0.70	1.00	4.77	262.05	> 10.00	> 10.00
170	T	128.24	69	0.70	1.00	1.36	262.05	> 10.00	> 10.00
171	T	128.24	69	0.70	1.00	1.88	262.05	> 10.00	> 10.00
172	T	128.24	69	0.70	1.00	4.94	262.05	> 10.00	> 10.00
173	T	128.24	69	0.70	1.00	6.89	262.05	> 10.00	> 10.00
181	T	109.01	69	0.70	1.00	4.40	262.05	> 10.00	> 10.00
182	T	100.00	69	0.70	1.00	9.64	262.05	8.18	> 10.00
183	T	100.00	35	1.00	1.00	1.62	307.21	> 10.00	> 10.00
184	T	125.62	66	1.00	1.00	18.65	374.36	4.90	> 10.00
185	T	128.24	69	0.70	1.00	5.95	262.05	> 10.00	> 10.00
186	T	128.24	69	0.70	1.00	4.90	262.05	> 10.00	> 10.00
187	T	128.24	69	0.70	1.00	3.51	262.05	> 10.00	> 10.00
188	T	128.24	69	0.70	1.00	1.89	262.05	> 10.00	> 10.00
189	T	128.24	68	1.00	1.00	0.63	374.36	> 10.00	> 10.00
190	T	128.24	69	0.70	1.00	1.40	262.05	> 10.00	> 10.00
191	T	128.24	69	0.70	1.00	2.78	262.05	> 10.00	> 10.00
192	T	128.24	69	0.70	1.00	3.76	262.05	> 10.00	> 10.00
200	T	109.01	41	1.00	1.00	0.30	374.36	> 10.00	> 10.00
201	T	100.00	69	0.70	1.00	3.92	262.05	8.38	> 10.00
202	T	100.00	69	0.70	1.00	2.57	215.05	> 10.00	> 10.00
203	T	125.62	61	1.00	1.00	19.13	374.36	4.43	> 10.00
204	T	128.24	66	1.00	1.00	3.50	374.36	> 10.00	> 10.00
205	T	128.24	66	1.00	1.00	2.76	374.36	> 10.00	> 10.00
206	T	128.24	66	1.00	1.00	2.10	374.36	> 10.00	> 10.00
207	T	128.24	66	1.00	1.00	1.61	374.36	> 10.00	> 10.00
208	T	128.24	66	1.00	1.00	1.19	374.36	> 10.00	> 10.00
209	T	128.24	62	1.00	1.00	0.85	374.36	> 10.00	> 10.00
210	T	128.24	62	1.00	1.00	0.54	374.36	> 10.00	> 10.00
211	T	128.24	69	0.70	1.00	0.31	262.05	> 10.00	> 10.00
219	T	109.01	69	0.70	1.00	5.87	262.05	> 10.00	> 10.00
220	T	100.00	42	1.00	1.00	19.42	374.36	7.20	> 10.00
222	T	100.00	69	0.70	1.00	2.13	215.05	> 10.00	> 10.00
223	T	125.62	65	1.00	1.00	17.02	374.36	4.77	> 10.00
224	T	128.24	69	0.70	1.00	3.86	262.05	> 10.00	> 10.00
225	T	128.24	69	0.70	1.00	3.24	262.05	> 10.00	> 10.00
226	T	128.24	69	0.70	1.00	2.20	262.05	> 10.00	> 10.00
227	T	128.24	69	0.70	1.00	0.84	262.05	> 10.00	> 10.00
228	T	128.24	65	1.00	1.00	1.10	374.36	> 10.00	> 10.00
229	T	128.24	69	0.70	1.00	2.18	262.05	> 10.00	> 10.00
230	T	128.24	69	0.70	1.00	3.61	262.05	> 10.00	> 10.00
231	T	128.24	69	0.70	1.00	4.79	262.05	> 10.00	> 10.00
237	T	109.01	69	0.70	1.00	15.30	262.05	> 10.00	> 10.00
238	T	100.00	67	1.00	1.00	13.28	374.36	> 10.00	> 10.00
243	T	100.00	53	1.00	1.00	4.67	307.21	> 10.00	> 10.00
244	T	125.62	69	0.70	1.00	21.24	262.05	4.79	> 10.00
245	T	128.24	69	0.70	1.00	8.19	262.05	> 10.00	> 10.00
246	T	128.24	69	0.70	1.00	6.65	262.05	> 10.00	> 10.00
247	T	128.24	69	0.70	1.00	4.25	262.05	> 10.00	> 10.00
248	T	128.24	69	0.70	1.00	1.10	262.05	> 10.00	> 10.00
249	T	128.24	69	0.70	1.00	1.95	262.05	> 10.00	> 10.00

250	T	128.24	69	0.70	1.00	4.82	262.05	> 10.00	> 10.00
251	T	128.24	69	0.70	1.00	7.54	262.05	> 10.00	> 10.00
252	T	128.24	69	0.70	1.00	9.08	262.05	> 10.00	> 10.00

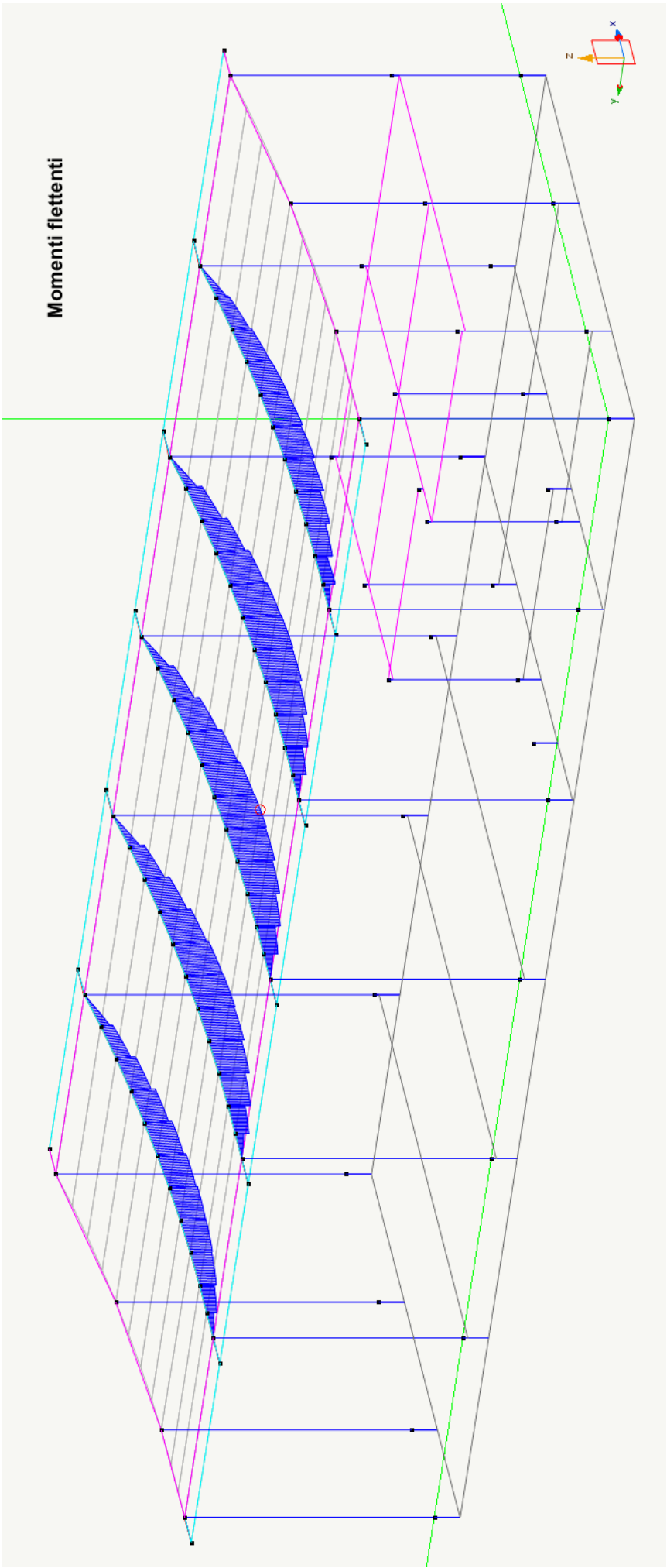
Minimo fattore di sicurezza: 4.427560 >= 1.00

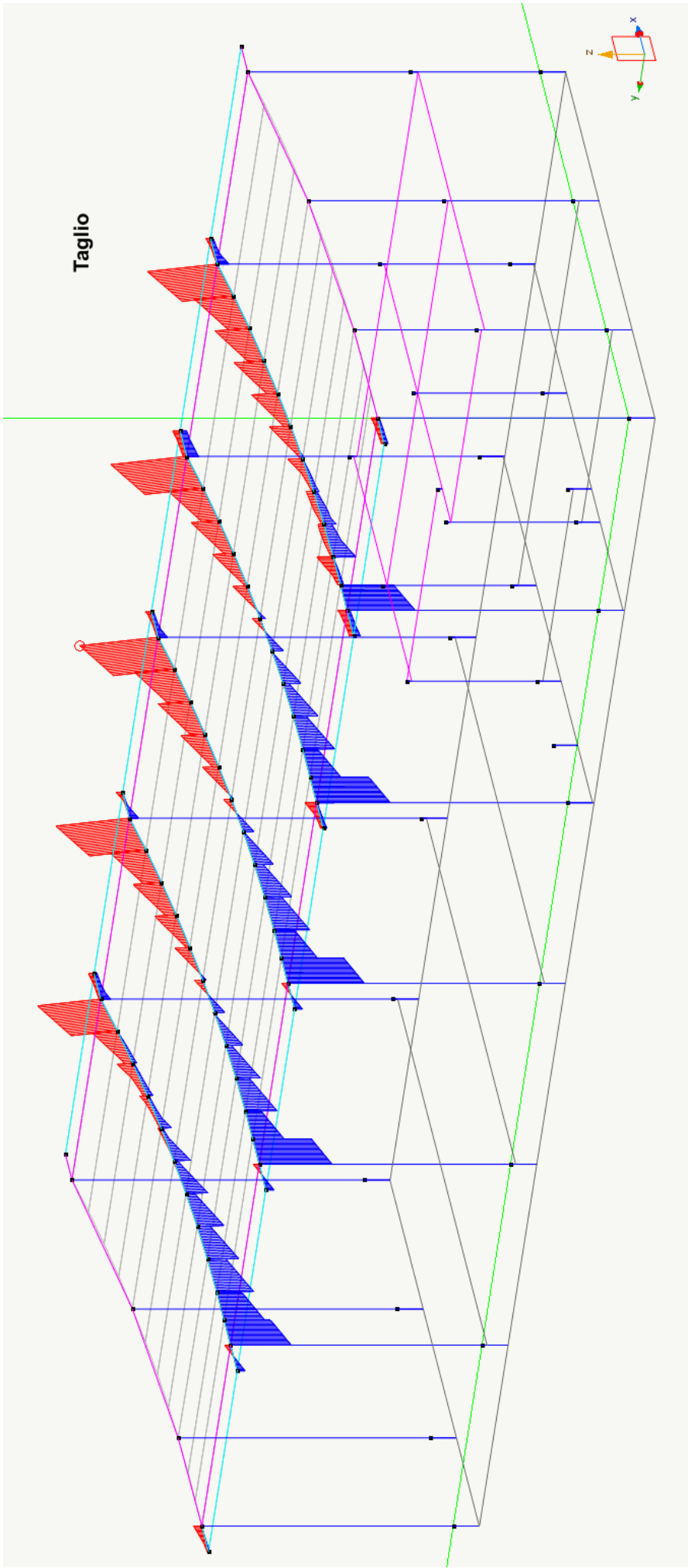
I risultati si riferiscono alla sezione ad ascissa **Absc** e per la combinazione dei carichi **Cmb** dell'elemento di indice **Elem** e di **Tipo P** (pilastro) o **T Trave**, per le quali si è riscontrato il coefficiente di sicurezza **F.Sic.** minore. Vengono riportate le tensioni tangenziali **tau.d** e **tau.r** rispettivamente di progetto e resistente e il fattore di sicurezza **F. sic.**. Viene inoltre riportato il coefficiente di sicurezza **F. Sic. Tor-Tag** per torsione accompagnata da taglio.

Verifica stato limite di esercizio									
Elem	Tipo	kdef	d.in (cm)	d.dif (cm)	d.fin (cm)	L (cm)	L/u.fin	L/d.lmt	F. Sic.
12	T	0.60	0.00	0.00	0.00	100.00	30692.46	250.00	> 10.00
13	T	0.60	0.00	0.00	0.00	100.00	48504.30	250.00	> 10.00
14	T	0.60	0.00	0.00	0.00	100.00	58199.73	250.00	> 10.00
15	T	0.60	0.00	0.00	0.00	100.00	39879.44	250.00	> 10.00
16	T	0.60	0.00	0.00	0.00	100.00	57204.58	250.00	> 10.00
162	T	0.60	0.01	0.00	0.01	109.01	9816.71	250.00	> 10.00
163	T	0.60	0.00	0.00	0.00	100.00	36529.89	250.00	> 10.00
164	T	0.60	0.00	0.00	0.00	100.00	101281.61	250.00	> 10.00
165	T	0.60	0.00	0.00	0.01	125.62	21682.32	250.00	> 10.00
166	T	0.60	0.01	0.00	0.02	128.24	7506.05	250.00	> 10.00
167	T	0.60	0.02	0.01	0.03	128.24	5076.72	250.00	> 10.00
168	T	0.60	0.02	0.01	0.03	128.24	4158.74	250.00	> 10.00
169	T	0.60	0.03	0.01	0.03	128.24	3769.80	250.00	> 10.00
170	T	0.60	0.03	0.01	0.03	128.24	3672.29	250.00	> 10.00
171	T	0.60	0.03	0.01	0.03	128.24	3820.01	250.00	> 10.00
172	T	0.60	0.02	0.01	0.03	128.24	4286.74	250.00	> 10.00
173	T	0.60	0.02	0.01	0.02	128.24	5390.30	250.00	> 10.00
181	T	0.60	0.01	0.00	0.01	109.01	7963.81	250.00	> 10.00
182	T	0.60	0.00	0.00	0.00	100.00	30078.38	250.00	> 10.00
183	T	0.60	0.00	0.00	0.00	100.00	96596.59	250.00	> 10.00
184	T	0.60	0.01	0.00	0.01	125.62	18470.17	250.00	> 10.00
185	T	0.60	0.02	0.01	0.02	128.24	5764.11	250.00	> 10.00
186	T	0.60	0.03	0.01	0.03	128.24	3850.72	250.00	> 10.00
187	T	0.60	0.03	0.01	0.04	128.24	3124.13	250.00	> 10.00
188	T	0.60	0.03	0.01	0.05	128.24	2819.00	250.00	> 10.00
189	T	0.60	0.04	0.01	0.05	128.24	2750.05	250.00	> 10.00
190	T	0.60	0.03	0.01	0.04	128.24	2883.97	250.00	> 10.00
191	T	0.60	0.03	0.01	0.04	128.24	3290.63	250.00	> 10.00
192	T	0.60	0.02	0.01	0.03	128.24	4258.02	250.00	> 10.00
200	T	0.60	0.01	0.00	0.01	109.01	7528.38	250.00	> 10.00
201	T	0.60	0.00	0.00	0.00	100.00	28716.93	250.00	> 10.00
202	T	0.60	0.00	0.00	0.00	100.00	104893.82	250.00	> 10.00
203	T	0.60	0.01	0.00	0.01	125.62	17303.59	250.00	> 10.00
204	T	0.60	0.02	0.01	0.02	128.24	5406.79	250.00	> 10.00
205	T	0.60	0.03	0.01	0.04	128.24	3598.83	250.00	> 10.00
206	T	0.60	0.03	0.01	0.04	128.24	2912.39	250.00	> 10.00
207	T	0.60	0.04	0.01	0.05	128.24	2624.65	250.00	> 10.00
208	T	0.60	0.04	0.01	0.05	128.24	2560.57	250.00	> 10.00
209	T	0.60	0.04	0.01	0.05	128.24	2689.13	250.00	> 10.00
210	T	0.60	0.03	0.01	0.04	128.24	3076.83	250.00	> 10.00
211	T	0.60	0.02	0.01	0.03	128.24	3997.77	250.00	> 10.00
219	T	0.60	0.01	0.00	0.01	109.01	7805.79	250.00	> 10.00
220	T	0.60	0.00	0.00	0.00	100.00	29811.00	250.00	> 10.00
222	T	0.60	0.00	0.00	0.00	100.00	59684.58	250.00	> 10.00
223	T	0.60	0.01	0.00	0.01	125.62	17797.23	250.00	> 10.00
224	T	0.60	0.02	0.01	0.02	128.24	5567.60	250.00	> 10.00
225	T	0.60	0.03	0.01	0.03	128.24	3730.41	250.00	> 10.00
226	T	0.60	0.03	0.01	0.04	128.24	3032.55	250.00	> 10.00
227	T	0.60	0.04	0.01	0.05	128.24	2741.41	250.00	> 10.00
228	T	0.60	0.04	0.01	0.05	128.24	2678.87	250.00	> 10.00
229	T	0.60	0.03	0.01	0.05	128.24	2813.51	250.00	> 10.00
230	T	0.60	0.03	0.01	0.04	128.24	3214.70	250.00	> 10.00
231	T	0.60	0.02	0.01	0.03	128.24	4164.40	250.00	> 10.00
237	T	0.60	0.01	0.00	0.01	109.01	9873.58	250.00	> 10.00
238	T	0.60	0.00	0.00	0.00	100.00	32415.44	250.00	> 10.00
243	T	0.60	0.00	0.00	0.00	100.00	79897.32	250.00	> 10.00
244	T	0.60	0.00	0.00	0.01	125.62	19645.22	250.00	> 10.00
245	T	0.60	0.01	0.00	0.02	128.24	6736.12	250.00	> 10.00
246	T	0.60	0.02	0.01	0.03	128.24	4726.65	250.00	> 10.00
247	T	0.60	0.02	0.01	0.03	128.24	3940.42	250.00	> 10.00
248	T	0.60	0.03	0.01	0.04	128.24	3614.73	250.00	> 10.00
249	T	0.60	0.03	0.01	0.04	128.24	3563.40	250.00	> 10.00
250	T	0.60	0.03	0.01	0.03	128.24	3761.27	250.00	> 10.00
251	T	0.60	0.02	0.01	0.03	128.24	4312.16	250.00	> 10.00
252	T	0.60	0.02	0.01	0.02	128.24	5655.07	250.00	> 10.00

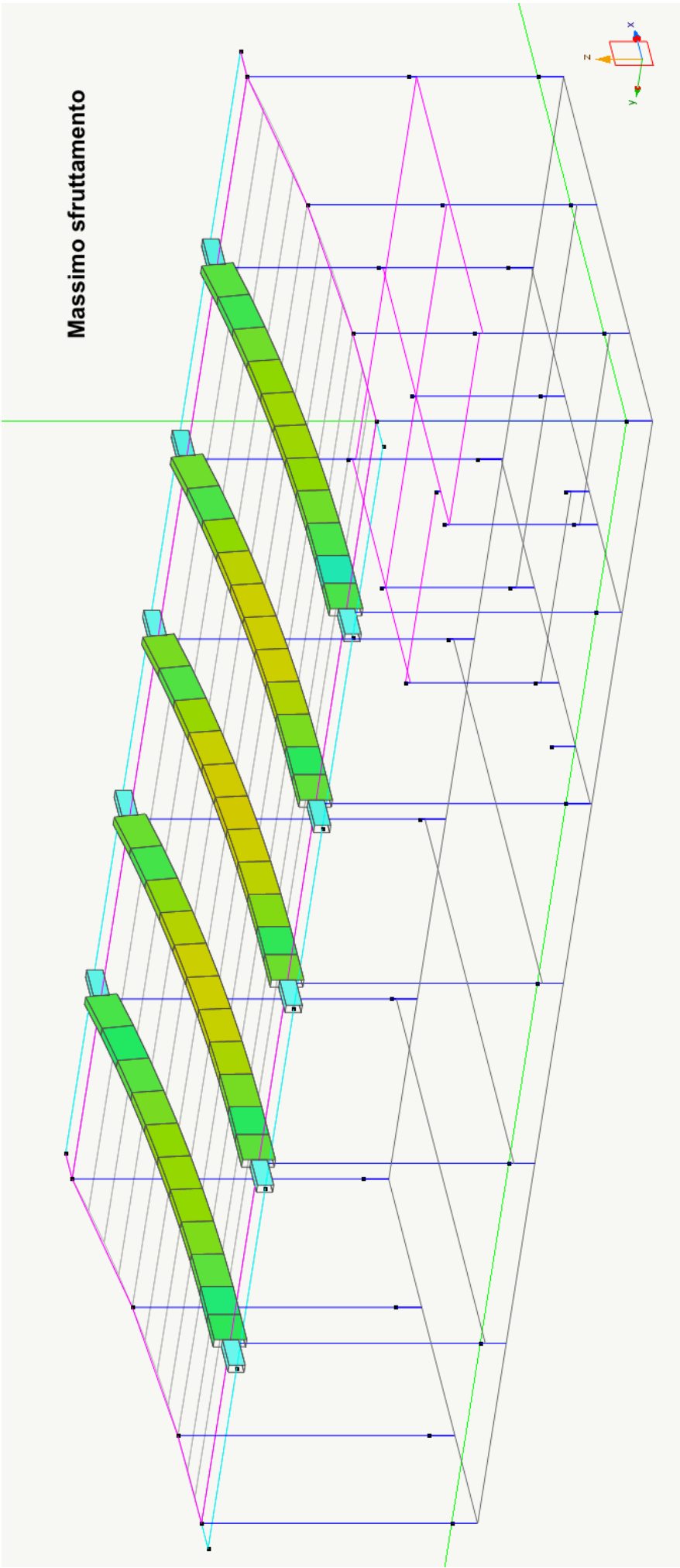
Minimo fattore di sicurezza: >10.0 >= 1.00

I risultati si riferiscono all'elemento di indice **Elem** e di **Tipo P** (pilastro) o **T Trave**. Il rapporto **L/u.fin** è tra lunghezza **L** dello elemento e la deformazione finale **d.fin**, somma della deformazione iniziale (istantanea)**d.in** per condizione rara e **d.dif**, deformazione differita ottenuta dalla deformazione iniziale per condizioni quasi permanenti moltiplicata per **kdef**. Il fattore **F.Sic.** è il rapporto tra la deformazione relativa ottenuta **L/u.fin** e quella limite **L/d.lmt** assegnata dall'utente.





Massimo sfruttamento



RESISTENZA AL FUOCO DELLE STRUTTURE

Le strutture in oggetto sono state progettate per una resistenza al fuoco **R60**.

Strutture in c.a.

In riferimento alle norme vigenti, ed in particolare al D.M. 16/02/2007 “Classificazione di resistenza al fuoco di prodotti ed elementi costruttivi di opere da costruzione”, è possibile garantire la resistenza di progetto prescrivendo per le diverse strutture in conglomerato cementizio armato un copriferro minimo da rispettare. Infatti la tabella riportata al punto D.6 dell’Allegato D alla suddetta norma prescrive un copriferro minimo pari a mm 30 per travi con sezioni di larghezza pari a 200 mm e 45 mm per pilastri esposti su più lati con larghezza 250 mm, specificando la definizione di copriferro come la distanza dall’asse delle armature alla superficie esposta.

Prescrivendo un ricoprimento di 30 mm sono soddisfatte entrambe le condizioni e garantita la classe di resistenza R60 delle strutture in c.a. progettate.

Strutture in legno lamellare

Per quanto riguarda le strutture lignee i pannelli del solaio soddisfano già tale requisito, mentre per quanto riguarda le strutture principali del colmo si fa riferimento al D.M. 17.01.2018 per quanto riguarda le combinazioni di carico con cui deve essere verificata la struttura, mentre per la definizione di sezione residua, al netto dello spessore di carbonizzazione si fa riferimento alle norme UNI EN 1995-2:2005.

Le verifiche di resistenza sono condotte allo SLU nella combinazione eccezionale, senza sisma, impiegando il “metodo della sezione trasversale ridotta”, ai sensi delle UNI EN 1995-1-2, considerando i coefficienti di sicurezza indicati dalle norme:

- $K_{mod,fi} = 1,10$ (Tabella 4.4.IV NTC2018)
- $K_{fi} = 1,25$ (Prospetto 2.1 UNI EN)
- $\gamma_{M,fi} = 1,00$ (Tabella 4.4.III NTC2018)

Profondità di carbonizzazione.

La profondità di carbonizzazione è definita dalla seguente relazione:

$$d_{ef} = d_{char,n} + k_0 d_0 = 49 \text{ mm}$$

dove:

$$d_{char,n} = \beta_n t \quad \text{con:} \quad \begin{array}{ll} t = \text{tempo di esposizione al fuoco} = 60 \text{ min;} & \\ \beta_n = \text{velocità di carbonizzazione convenzionale} = 0,7 & \text{(Prospetto 3.1 UNI EN)} \\ k_0 = 1 \text{ per } t > 20 \text{ minuti} & \text{(Prospetto 4.1 UNI EN)} \\ d_0 = 7 \text{ mm} & \end{array}$$

La riduzione di sezione è da applicarsi ad ogni lato delle sezioni esposte al fuoco: nel caso in esame 3 lati della sezione lignea che assume le seguenti caratteristiche geometriche:

- altezza	H = 808 mm
- base	B = 220 mm
- area	A = 177760 mm ²
- Modulo di resistenza elastico	Wy = 2,39 10 ⁷ mm ³
- Momento d'inerzia	Jy = 9,67 10 ⁹ mm ⁴
- area ridotta	A _{rid} = 92598 mm ²
- Modulo di resistenza elastico ridotto	Wy _{rid} = 1,17 10 ⁷ mm ³
– Momento d'inerzia ridotto	Jy _{rid} = 4,45 10 ⁹ mm ⁴
–	

Resistenze di calcolo

Le proprietà di resistenza sono determinate da:

$$f_{d,fi} = k_{mod,fi} * (k_{fi} * f_k) / \gamma_{M,fi}$$

$$\text{con: } \begin{aligned} k_{mod,fi} &= 1 \\ \gamma_{M,fi} &= 1 \\ k_{fi} &= 1,15 \text{ (legno lamellare)} \end{aligned}$$

$$f_{d,fi} = 1,15 * f_k$$

da cui si ottengono:

- resistenza di calcolo a flessione	$f_{m,d} = 32,2 \text{ N/mm}^2$
- resistenza di calcolo a taglio	$f_{v,d} = 3,68 \text{ N/mm}^2$
- resistenza di calcolo a compressione fibre perpendicolari	$f_{c,90,d} = 3,45 \text{ N/mm}^2$

E' stata, dunque, condotta l'analisi statica nella combinazione eccezionale e determinate le sollecitazioni di calcolo sulla trave di copertura:

- Momento flettente	$M_{Ed} = 132 \text{ kNm}$
- Taglio	$V_{Ed} = 39 \text{ kN}$

Verifica a Flessione

$k_m = 0,7$	$f_{m,d,y} = f_{m,d,z} = f_{m,d} = 32,2 \text{ N/mm}^2$
$\sigma_{m,dy} = M_z / W_y = 11,3 \text{ N/mm}^2$	$\sigma_{m,dz} = M_y / W_z = 0$

da cui

a.	$(\sigma_{m,dy} / f_{m,d,y}) + k_m (\sigma_{m,dz} / f_{m,d,z}) = 0,350 < 1,0$	verificato
b.	$k_m (\sigma_{m,dy} / f_{m,d,y}) + (\sigma_{m,dz} / f_{m,d,z}) = 0,245 < 1,0$	verificato

Verifica a taglio

deve essere verificata la seguente disuguaglianza: $\tau_d < f_{v,d}$

$\tau_d = 1,5 * V_{Ed} / A_{rid}$	con: $A_{rid} = 92598 \text{ mm}^2$
-----------------------------------	-------------------------------------

da cui

$\tau_d = 0,941 \text{ N/mm}^2 < 3,71 \text{ N/mm}^2$	verificato
-------------------------------------------------------	------------

Le verifiche sopra esposte sono riportate anche nel paragrafo dove è effettuata la verifica generale della trave di copertura in legno lamellare.

VERIFICA FISSAGGI STRUTTURE LIGNEE DI COPERTURA

Pannelli solaio

La determinazione delle sollecitazioni tra pannello e struttura di sostegno costituita da una trave o un corrente in legno (collegamento legno-legno) è determinata senza ricorrere all'estrazione dei risultati numerici ricavabili dall'elaborato del modello di calcolo ma bensì attraverso semplici calcoli che tengono conto delle masse e delle azioni sismiche in gioco. Sulla base di queste sollecitazioni sono stati successivamente dimensionati i fissaggi realizzati con viti tipo HBS a testa svasata ø8/300 mm della Rothoblaas. I calcoli di tale dimensionamento sono stati eseguiti con l'ausilio del programma di calcolo messo a disposizione dei progettisti da parte della stessa ditta Rothoblaas e che si allegano di seguito.

La massa totale in gioco per una campata della copertura è la seguente:

$$A = \text{area della specchiatura di copertura} \approx 5,90 \times 13,55 \text{ m} = 80 \text{ m}^2$$

$$Q_d = \text{carico sismico agente} = 0,85 \text{ kN/m}^2$$

$$W = \text{carico sismico totale agente per ogni specchiatura} = 0,85 \text{ kN/m}^2 \times 80 \text{ m}^2 = 68 \text{ kN}$$

La sollecitazione prodotta da questa massa risulta data dalla relazione:

$$F_{h,tot} = S(T_1) \eta F_0 W \quad \text{con:} \quad \begin{aligned} S(T_1) &= a_g S \eta F_0 \\ T_1 &= 0,338 \text{ s} \\ \eta &= 1 \\ a_g/g &= 0,158 \\ F_0 &= 2,396 \end{aligned}$$

si ricava: $S(T_1) = 0,598$

ed anche: $F_{h,tot} = 41 \text{ kN}$

Si ipotizza (a favore della sicurezza) che i pannelli siano vincolati solamente sulle testate degli stessi, trascurando cioè l'apporto dei vincoli sui lati paralleli alla loro orditura, la sollecitazione distribuita per ml risulta essere pari a:

$$F_{h,x} = F_{h,tot}/2L \approx 1,52 \text{ kN/m} \quad \text{con:} \quad L = 13,55 \text{ m}$$

$$F_{h,y} = F_{h,x}$$

e su ogni pannello: $F_{h,pannello} = (F_{h,x} + 0,3F_{h,y}) \times b \approx 1,20 \text{ kN} \quad \text{con:} \quad b = 0,60 \text{ m} \quad (\text{larghezza del pannello})$

Si impiegano 2 viti HBS 8/300 per pannello. I calcoli sono riportati di seguito. Questi sono effettuati nelle due direzioni con l'inclinazione del carico parallelo alle travi principali ($\alpha = 0^\circ$) e perpendicolare ad esse ($\alpha = 90^\circ$).

Per quanto riguarda i collegamenti legno-calcestruzzo (corrente posto sulle due travi di bordo del lato corto della copertura) il collegamento è effettuato con tasselli in acciaio M16 ancorati con resina chimica della HILTI tipo HIT-RE 500 (o similare) ad interasse di 50 cm. La sollecitazione è pari a: $V_{Ed} = F_h \approx 1,3 \times 1,52 \approx 2,00 \text{ kN/m}$

dalle tabelle di calcolo della HILTI si ha che la resistenza a taglio di ciascun tassello è data dal minimo dei seguenti valori:

- resistenza dell'acciaio	$V_{Rd,s} = 0,6 A_s f_{yk} / \gamma_{M,V} = 22,6 \text{ kN}$	acciaio cl. 5.8
- resistenza rottura bordo	$V_{Rd,c} = V_{Rd,c}^\circ f_{B,V} f_{AR,V} f_{\beta,V} = 24,6 \text{ kN}$	dove: $V_{Rd,c}^\circ = 12,8 \text{ kN}$
		$f_{B,V} = \sqrt{(f_{ck,cube}/25)} = 1,265$
		$f_{AR,V} = (c/c_{min}) \sqrt{(c/c_{min})} = 1,523$
		$f_{\beta,V} = 1 \quad 0^\circ \leq \beta \leq 55^\circ \quad (\text{angolo di carico})$
		$c = 112,5 \text{ mm}$
		$c_{min} = 85 \text{ mm}$
		$s = 500 \text{ mm}$
		$A_s = 157 \text{ mm}^2$
		$f_{yk} = 300 \text{ N/mm}^2$
		$\gamma_{M,V} = 1,25$

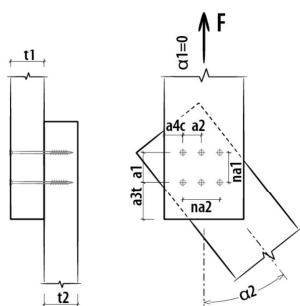
da cui: $V_{Rd} = 22,6 \text{ kN}$

abbondantemente superiore a quello richiesto.

INFORMAZIONI PROGETTO

Data : 12/04/2019
 Progetto :
 Committente :
 Indirizzo cantiere :
 Redatto da :
 Elemento calcolato :
 Note :
 Norma di calcolo : NTC 2018 + EN1995:2014

CONNESSIONE A TAGLIO CON VITI (Connessione legno-legno / taglio singolo)



- Vite tipo HBS -Vite testa svasata 8x300 mm - (cod. HBS8300)
- Numero viti: 1 x 2 = 2 pz.



Marcatura CE secondo ETA 11/0030

DATI DI CALCOLO

Connessione legno-legno / taglio singolo

Classe di servizio	cl	=	1
Durata carico dominante	tq	=	istantaneo
Coefficiente kmod	kmod	=	1,00
Coefficiente sicurezza connessione	gamma_M	=	1,50
Diametro nominale (filetto) vite	d1	=	8,0 mm
Diametro gambo	ds	=	5,8 mm
Diametro nocciolo	d2	=	5,4 mm
Diametro testa	dk	=	14,5 mm
Lunghezza vite	Lv	=	300 mm
Lunghezza filetto	Lf	=	100 mm
Spessore legno elemento 1	t1	=	184 mm
Angolo elemento 1	alpha1	=	90,00°
Tipo legno elemento 1		=	Lamellare GL24h (omogeneo)
Spessore legno elemento 2	t2	=	200 mm
Angolo elemento 2	alpha2	=	0,00°
Tipo legno elemento 2		=	Lamellare GL24h (omogeneo)
Numero elementi paralleli alle fibre	nf	=	2
Distanza elementi paralleli alle fibre	a1	=	300 mm
Numero elementi perpendicolari alle fibre	nc	=	1
Distanza elementi perpendicolari alle fibre	a2	=	0 mm
Azione di taglio di progetto	Fvd	=	1,20 kN

NOTE

Prima dell'esecuzione, tutti i calcoli devono essere verificati e approvati dal progettista responsabile.
Per i valori di resistenza meccanica e per la geometria si fa riferimento a quanto riportato nei certificati di prodotto.
Le verifiche di resistenza degli elementi lignei devono essere svolte a parte.

RISULTATI CALCOLO

DATI DI INGRESSO:

Classe di servizio
Durata carico dominante
Coefficiente kmod
Coefficiente sicurezza connessione
Tipo legno elemento t1
Massa volumica legno
Tipo legno elemento t2
Massa volumica legno
Coefficiente sicurezza acciaio
Spessore elemento 1
Spessore elemento 2
Angolo elemento 1
Angolo elemento 2
Numero file viti
Distanza file
Numero colonne viti
Distanza colonne

cl = 1
tq = istantaneo
kmod = 1,00
γM = 1,5
= GL24h
pk = 385 kg/m³
= GL24h
pk = 385 kg/m³
γMa = 1,25
t1 = 184 mm
t2 = 200 mm
α1 = 90,00 °
α2 = 0,00 °
na1 = 2
a1 = 300 mm
na2 = 1
a2 = 0 mm

DATI VITE:

HBS -Vite testa svasata 8x300
Diametro gambo vite
Diametro filetto vite
Diametro nocciolo vite
Diametro convenzionale vite EN1995:2014
Lunghezza filettata vite
Lunghezza vite
Angolo di infissione (vite - fibra)
Senza preforo
Senza sfalsamento
Diametro testa vite

dg = 5,8 mm
df = 8,0 mm
dn = 5,4 mm
def=df = 8,0 mm
lf = 100 mm
lh = 300 mm
β = 90,00 °
=
=
dh = 14,5 mm

RISULTATI:

Lunghezza penetrazione elemento 1
Lunghezza penetrazione elemento 2
Resistenza caratteristica trazione acciaio
Lunghezza efficace estrazione filetto (lato punta)
Resistenza estrazione filetto (lato punta)
Resistenza penetrazione testa
Resistenza caratteristica a rifollamento elemento 1
Resistenza caratteristica a rifollamento elemento 2
Momento di snervamento acciaio
Numero efficace viti parallele alle fibre elemento 1
Numero efficace viti parallele alle fibre elemento 2
Numero efficace viti parallele alle fibre

Lp1 = 184 mm
Lp2 = 116 mm
ftens,k = 20100 N
= 100 mm
Fax,rk = 10102 N
Fhead,rk = 2383 N
Fh,1,k = 16,92 N/mm²
Fh,2,k = 16,92 N/mm²
Myk = 20057 Nmm
nef = 2,00
nef = 2,00
nef = 2,00

DISTANZE MINIME ELEMENTO 1 (legno):

Parallela alle fibre
Perpendicolare alle fibre
Da estremità scarica (// fibre)
Da estremità sollecitata (// fibre)
Da bordo scarico (perp. fibre)
Da bordo sollecitato (perp. fibre)

a1 = 40 mm
a2 = 40 mm
a3c = 80 mm
a3t = 80 mm
a4c = 40 mm
a4t = 80 mm

DISTANZE MINIME ELEMENTO 2 (legno):

Parallela alle fibre
Perpendicolare alle fibre
Da estremità scarica (// fibre)
Da estremità sollecitata (// fibre)
Da bordo scarico (perp. fibre)
Da bordo sollecitato (perp. fibre)

a1 = 96 mm
a2 = 40 mm
a3c = 80 mm
a3t = 120 mm
a4c = 40 mm
a4t = 40 mm

VALORI DI RESISTENZA:

Numero sezioni di taglio
Contributo a trazione pesato con Johansen
Resistenza caratteristica a taglio tipo a (elemento t1)
Resistenza caratteristica a taglio tipo b (elemento t2)
Resistenza caratteristica a taglio tipo c (elemento t2)
Resistenza caratteristica a taglio tipo d (elemento t1)

nT = 1
Fax,Rk/4 = 0,56 kN
Fv,Rk = 24,90 kN
Fv,Rk = 15,70 kN
Fv,Rk = 9,33 kN
Fv,Rk = 9,39 kN

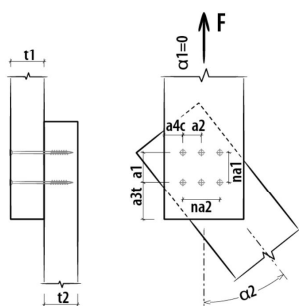
Resistenza caratteristica a taglio tipo e (elemento t2)	Fv,Rk	=	6,23	kN
Resistenza caratteristica a taglio tipo f (elemento t2)	Fv,Rk	=	3,24	kN
Resistenza caratteristica a taglio viti per piano di taglio (elemento t2)	Fv,Rk	=	3,24	kN
Resistenza caratteristica a taglio viti			3,24	kN
Resistenza design a taglio viti per piano di taglio	Fv,Rd	=	2,16	kN
Resistenza design a taglio viti			2,16	kN
Resistenza design a taglio del singolo viti con numero efficace e contributo a trazione			2,16	kN
Resistenza design a taglio dell'intero collegamento			4,31	kN
Numero efficace a estrazione			1,87	
Resistenza caratteristica a estrazione del singolo connettore			2,38	kN
Resistenza caratteristica a estrazione dell'intero collegamento			4,45	kN
Resistenza design a estrazione dell'intero collegamento			2,96	kN
Scorrimento connettore per piano di taglio			2,99	kN/mm
Grado di sfruttamento della connessione		=	0,28	VERIFICATO
Resistenza design a taglio dell'intero collegamento	Fv,rd,tot	=	4,31	kN
Resistenza design a estrazione dell'intero collegamento	Faxdtot,ef	=	2,96	kN
Scorrimento connettore per piano di taglio	Kser	=	2,99	kN/mm
Grado di sfruttamento della connessione		=	0,28	VERIFICATO

INFORMAZIONI PROGETTO

Data : 12/04/2019
 Progetto :
 Committente :
 Indirizzo cantiere :
 Redatto da :
 Elemento calcolato :
 Note :

Norma di calcolo : NTC 2018 + EN1995:2014

CONNESSIONE A TAGLIO CON VITI (Connessione legno-legno / taglio singolo)



- Vite tipo HBS -Vite testa svasata 8x300 mm - (cod. HBS8300)
- Numero viti: 2 x 1 = 2 pz.



Marcatura CE secondo ETA 11/0030

DATI DI CALCOLO

Connessione legno-legno / taglio singolo

Classe di servizio	cl	=	1
Durata carico dominante	tq	=	istantaneo
Coefficiente kmod	kmod	=	1,00
Coefficiente sicurezza connessione	gamma_M	=	1,50
Diametro nominale (filetto) vite	d1	=	8,0 mm
Diametro gambo	ds	=	5,8 mm
Diametro nocciolo	d2	=	5,4 mm
Diametro testa	dk	=	14,5 mm
Lunghezza vite	Lv	=	300 mm
Lunghezza filetto	Lf	=	100 mm
Spessore legno elemento 1	t1	=	184 mm
Angolo elemento 1	alpha1	=	0,00°
Tipo legno elemento 1		=	Lamellare GL24h (omogeneo)
Spessore legno elemento 2	t2	=	200 mm
Angolo elemento 2	alpha2	=	90,00°
Tipo legno elemento 2		=	Lamellare GL24h (omogeneo)
Numero elementi paralleli alle fibre	nf	=	1
Distanza elementi paralleli alle fibre	a1	=	0 mm
Numero elementi perpendicolari alle fibre	nc	=	2
Distanza elementi perpendicolari alle fibre	a2	=	300 mm
Azione di taglio di progetto	Fvd	=	1,20 kN

NOTE

Prima dell'esecuzione, tutti i calcoli devono essere verificati e approvati dal progettista responsabile.
Per i valori di resistenza meccanica e per la geometria si fa riferimento a quanto riportato nei certificati di prodotto.
Le verifiche di resistenza degli elementi lignei devono essere svolte a parte.

RISULTATI CALCOLO

DATI DI INGRESSO:

Classe di servizio
Durata carico dominante
Coefficiente kmod
Coefficiente sicurezza connessione
Tipo legno elemento t1
Massa volumica legno
Tipo legno elemento t2
Massa volumica legno
Coefficiente sicurezza acciaio
Spessore elemento 1
Spessore elemento 2
Angolo elemento 1
Angolo elemento 2
Numero file viti
Distanza file
Numero colonne viti
Distanza colonne

cl = 1
tq = istantaneo
kmod = 1,00
γM = 1,5
= GL24h
pk = 385 kg/m³
= GL24h
pk = 385 kg/m³
γMa = 1,25
t1 = 184 mm
t2 = 200 mm
α1 = 0,00 °
α2 = 90,00 °
na1 = 1
a1 = 0 mm
na2 = 2
a2 = 300 mm

DATI VITE:

HBS -Vite testa svasata 8x300
Diametro gambo vite
Diametro filetto vite
Diametro nocciolo vite
Diametro convenzionale vite EN1995:2014
Lunghezza filettata vite
Lunghezza vite
Angolo di infissione (vite - fibra)
Senza preforo
Senza sfalsamento
Diametro testa vite

dg = 5,8 mm
df = 8,0 mm
dn = 5,4 mm
def=df = 8,0 mm
lf = 100 mm
lh = 300 mm
β = 90,00 °
=
=
dh = 14,5 mm

RISULTATI:

Lunghezza penetrazione elemento 1
Lunghezza penetrazione elemento 2
Resistenza caratteristica trazione acciaio
Lunghezza efficace estrazione filetto (lato punta)
Resistenza estrazione filetto (lato punta)
Resistenza penetrazione testa
Resistenza caratteristica a rifollamento elemento 1
Resistenza caratteristica a rifollamento elemento 2
Momento di snervamento acciaio
Numero efficace viti parallele alle fibre elemento 1
Numero efficace viti parallele alle fibre elemento 2
Numero efficace viti parallele alle fibre

Lp1 = 184 mm
Lp2 = 116 mm
ftens,k = 20100 N
= 100 mm
Fax,rk = 10102 N
Fhead,rk = 2383 N
Fh,1,k = 16,92 N/mm²
Fh,2,k = 16,92 N/mm²
Myk = 20057 Nmm
nef = 1,00
nef = 1,00
nef = 1,00

DISTANZE MINIME ELEMENTO 1 (legno):

Parallela alle fibre
Perpendicolare alle fibre
Da estremità scarica (// fibre)
Da estremità sollecitata (// fibre)
Da bordo scarico (perp. fibre)
Da bordo sollecitato (perp. fibre)

a1 = 96 mm
a2 = 40 mm
a3c = 80 mm
a3t = 120 mm
a4c = 40 mm
a4t = 40 mm

DISTANZE MINIME ELEMENTO 2 (legno):

Parallela alle fibre
Perpendicolare alle fibre
Da estremità scarica (// fibre)
Da estremità sollecitata (// fibre)
Da bordo scarico (perp. fibre)
Da bordo sollecitato (perp. fibre)

a1 = 40 mm
a2 = 40 mm
a3c = 80 mm
a3t = 80 mm
a4c = 40 mm
a4t = 80 mm

VALORI DI RESISTENZA:

Numero sezioni di taglio
Contributo a trazione pesato con Johansen
Resistenza caratteristica a taglio tipo a (elemento t1)
Resistenza caratteristica a taglio tipo b (elemento t2)
Resistenza caratteristica a taglio tipo c (elemento t1)
Resistenza caratteristica a taglio tipo d (elemento t1)

nT = 1
Fax,Rk/4 = 0,56 kN
Fv,Rk = 24,90 kN
Fv,Rk = 15,70 kN
Fv,Rk = 9,33 kN
Fv,Rk = 9,39 kN

Resistenza caratteristica a taglio tipo e (elemento t2)	Fv,Rk	=	6,23 kN
Resistenza caratteristica a taglio tipo f (elemento t1)	Fv,Rk	=	3,24 kN
Resistenza caratteristica a taglio viti per piano di taglio (elemento t1)	Fv,Rk	=	3,24 kN
Resistenza caratteristica a taglio viti			3,24 kN
Resistenza design a taglio viti per piano di taglio	Fv,Rd	=	2,16 kN
Resistenza design a taglio viti			2,16 kN
Resistenza design a taglio del singolo viti con numero efficace e contributo a trazione			2,16 kN
Resistenza design a taglio dell'intero collegamento			4,31 kN
Numero efficace a estrazione			1,87
Resistenza caratteristica a estrazione del singolo connettore			2,38 kN
Resistenza caratteristica a estrazione dell'intero collegamento			4,45 kN
Resistenza design a estrazione dell'intero collegamento			2,96 kN
Scorrimento connettore per piano di taglio			2,99 kN/mm
Grado di sfruttamento della connessione		=	0,28 VERIFICATO
Resistenza design a taglio dell'intero collegamento	Fv,rd,tot	=	4,31 kN
Resistenza design a estrazione dell'intero collegamento	Faxdtot,ef	=	2,96 kN
Scorrimento connettore per piano di taglio	Kser	=	2,99 kN/mm
Grado di sfruttamento della connessione		=	0,28 VERIFICATO

BARACCATURA PARETE SUD

La struttura secondaria in questione viene realizzata in legno (C 24) ed ha la funzione di sostenere un rivestimento esterno la cui realizzazione è prevista in lamiera di alluminio appoggiata su un pannello OSB di 12 mm. L'elemento principale è costituito da una trave verticale in legno (inclinata di $8,5^\circ$) con una estremità (in alto) vincolata alla struttura in c.a (mediante un traverso orizzontale) o direttamente alle travi di copertura, mentre l'altra è appoggiata a terra. Lo schema statico che si può adottare è quello riportato nella figura a lato. Questi telai hanno un interasse $i = 150$ cm e sono collegati nel piano perpendicolare dal pannello OSB e da elementi in legno a sezione rettangolare, oltre ad essere anche fissate al solaio di copertura. Si evidenzia inoltre che le lastre di alluminio sono realizzate con doghe autoportanti. Appare chiaro che il sistema sia completamente svincolato dalla parete di tamponamento e che su questa non eserciti alcuna sollecitazione. I carichi applicati sono i seguenti:

- peso proprio struttura lignea $0,15 \text{ kN/m}^2$
 - peso pannello OSB 12 mm $0,04 \text{ kN/m}^2$
 - peso proprio lamiera alluminio $0,02 \text{ kN/m}^2$
- $G_1 = 0,21 \text{ kN/m}^2$

La sezione del montante è 100×200 mm, mentre quella del traverso posto in alto è 100×100 mm. Inoltre si ha: $b = 120$ cm; $h = 700$ cm; $L = 760$ cm..

Da cui: $F_d = \gamma_G \cdot G_1 = 0,41 \text{ kN/m}$

Le sollecitazioni massime sul montante AB sono:

$M_{Ed} = 0,22 \text{ kNm}$ in mezzeria e $N_{Ed} = 2,9 \text{ kN}$ $V_{Ed} \approx 0,14 \text{ kN}$ alla base.

Riguardo al montante si ha $W = 666,67 \text{ cm}^3$ e $A = 200 \text{ cm}^2$ da cui

$$\sigma_{c,0,d} = 0,15 \text{ N/mm}^2 \quad \text{e} \quad \sigma_{m,z,d} = 0,33 \text{ N/mm}^2$$

e risulta verificata la verifica data dalla successiva disequaglianza:

$$(\sigma_{c,0,d} / f_{c,0,d})^2 + \sigma_{m,z,d} / f_{m,z,d} = 0,033 < 1$$

con: $f_{c,0,d} = 8,4 \text{ N/mm}^2$
 $f_{m,z,d} = 10 \text{ N/mm}^2$

Nei traversi interni (bielle) lo sforzo agente è del tutto trascurabile assumendo un valore medio pari a $N_{Ed} \approx 50 \text{ N}$. Come affermato precedentemente il sistema risulta completamente svincolato dalla parete e su di essa non esercita alcuna sollecitazione.

Le sollecitazioni maggiori vengono prodotte dall'azione del vento (azione di pressione e depressione) il cui schema statico può essere rappresentato da quello nella figura a fianco. Nello specifico si ha:

$P_{v1} = 552 \text{ N/m}^2$ e $P_{v2} = 810 \text{ N/m}^2$.

Le sollecitazioni massime sul montante AB sono le seguenti:

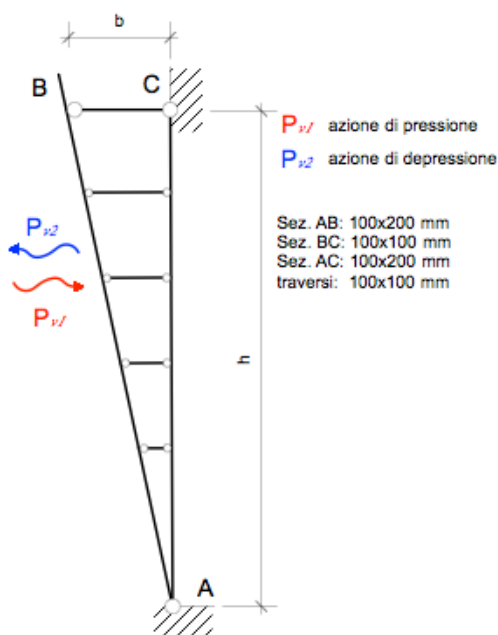
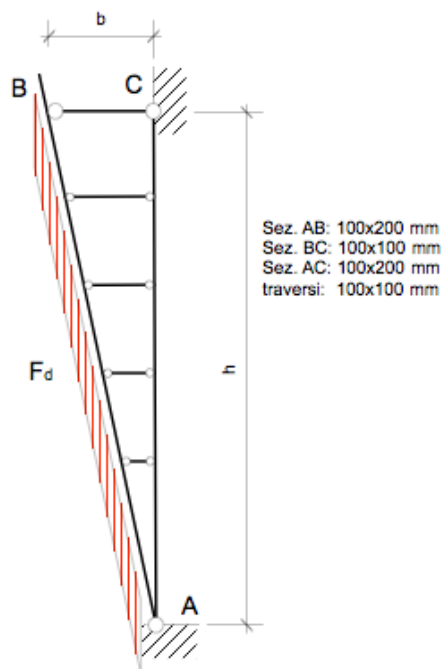
$M_{Ed} = 5,5 \text{ kNm}$ in mezzeria e

$N_{Ed} = 0,64 \text{ kN}$ $V_{Ed} \approx 3,7 \text{ kN}$ alla base.

Riguardo al montante si ha $W = 666,67 \text{ cm}^3$ e $A = 200 \text{ cm}^2$ da cui

$$\sigma_{c,0,d} = 0,03 \text{ N/mm}^2 \quad \text{e} \quad \sigma_{m,z,d} = 8,25 \text{ N/mm}^2$$

e risulta verificata la verifica data dalla successiva disequaglianza:



$$(\sigma_{c,0,d}/f_{c,0,d})^2 + \sigma_{m,z,d}/f_{m,z,d} = 0,83 < 1$$

$$\text{con: } f_{c,0,d} = 8,4 \text{ N/mm}^2 \\ f_{m,z,d} = 10 \text{ N/mm}^2$$

Nei traversi interni (bielle) lo sforzo massimo agente è pari a $N_{Ed} = 640 \text{ N}$ (di compressione). Le sollecitazioni di depressione, che si hanno quando la parete si trova sottovento, creano una sollecitazione di trazione nelle bielle orizzontali di valore medio pari a $T_{Ed} = 760 \text{ N}$. Al fine di evitare movimenti dei montanti verticali, posti in aderenza alla parete di tamponamento, che potrebbero ripercuotersi sul cappotto isolante, questi vengono fissati anche alla parete stessa mediante tasselli chimico HILTI tipo HIT-HY 70 e barra M8 HAS (o prodotti similari) ad interasse di 100 cm. La sollecitazione massima di trazione su ogni tassello è circa $T_{tass} = 0,76/1,15 = 0,66 \text{ kN}$. Dalle tabelle HILTI si ricava che la massima trazione ammissibile per questi tasselli, posti su laterizio forato alveolare, è pari a $T_{Rd} = 1,5 \text{ kN}$ che risulta maggiore della forza di trazione di progetto.

È evidente comunque che l'azione del vento è stata valutata solo per la struttura componente la baraccatura in quanto per la parete di tamponamento è indifferente, sotto questo aspetto, la presenza o meno della stessa. L'unica attenzione posta è quella di evitare concentrazioni di carico localizzate ma, con il posizionamento del montante verticale, il carico risulta distribuito uniformemente sulla parete. È altresì evidente che l'azione eventualmente trasmessa alla parete dal peso proprio della tamponatura in alluminio è, visti i carichi in gioco ($N_{med} \approx 50 \text{ N/m}$), assolutamente trascurabile. Tutto ciò tenendo sempre conto che tutta la baraccatura è comunque fissata a terra e alla struttura portante principale.

In merito ai fissaggi legno-legno all'interno del telaio si impiegano selle ad U in acciaio zincato di spessore 2,5 mm fissate con chiodi anker tipo LBA 660 o viti VGS9280 tutto filetto, della Rothoblaas (o prodotti similari). Dalle tabelle fornite dalla Rothoblaas si ricava che lo sforzo di trazione ultimo di questi chiodi è pari a $R_{V,k} = 2,40 \text{ kN}$ e quello di taglio è $R_{V,k} = 3,39 \text{ kN}$, da cui si ricava quello di progetto dalla relazione:

$$R_{V,d} = K_{mod} R_{V,k} / \gamma_M$$

$$\text{con: } K_{mod} = 0,9 \text{ (azione breve)} \\ K_{mod} = 0,6 \text{ (azione permanente)} \\ \gamma_M = 1,5$$

Per ogni collegamento in trazione vengono impiegati minimo 2 chiodi per cui: $R_{V,d} \approx 2,9 \text{ kN}$ (azione breve)

$$R_{V,d} \approx 1,9 \text{ kN} \quad (\text{azione permanente})$$

ed essendo lo sforzo di trazione massimo (sul traverso in sommità) pari a $T_{V,d} \approx 2,42 \text{ kN}$ (per parete in depressione) e $T_{V,d} \approx 0,16 \text{ kN}$ (per carichi permanenti) si ha:

$$T_{V,d} / R_{V,d} = 0,83 < 1 \quad (\text{azione breve})$$

$$T_{V,d} / R_{V,d} = 0,09 < 1 \quad (\text{azione permanente})$$

Per ogni collegamento resistente a taglio vengono impiegati minimo 2 chiodi per cui: $R_{V,d} \approx 4,0 \text{ kN}$ (azione breve)

$$R_{V,d} \approx 2,7 \text{ kN} \quad (\text{azione permanente})$$

ed essendo lo sforzo di taglio uguale a quello di taglio sopra indicato, si ha:

$$T_{V,d} / R_{V,d} = 0,56 < 1 \quad (\text{azione breve})$$

$$T_{V,d} / R_{V,d} = 0,01 < 1 \quad (\text{azione permanente})$$

Per il collegamento alla base dei due montanti (legno-legno) vengono impiegati 4 chiodi anker LBA660 per cui la resistenza a

LBA

The diagram illustrates the LBA anchor bolt connection. The left part shows a side view of the bolt with dimensions: L (total length), b (embedment length), and d_1 (bolt diameter). The right part shows two cross-sectional views. The first view shows the bolt passing through a plate of thickness t , with forces F_v (vertical) and F_{sk} (shear) applied. The second view shows the bolt passing through a plate of thickness t , with forces F_{sk} (shear) and F_{sk} (shear) applied.

VALORI CARATTERISTICI ⁽¹⁾

d_1 [mm]	L [mm]	b [mm]	TAGLIO ACCIAIO-LEGNO $R_{V,k}$ [kN]								TRAZIONE $R_{V,k}$ [kN]
			S_{PLATE} 1,5 mm	S_{PLATE} 2 mm	S_{PLATE} 2,5 mm	S_{PLATE} 3 mm	S_{PLATE} 4 mm	S_{PLATE} 5 mm	S_{PLATE} 6 mm		
4	40	30	2,02	2,01	2,00	1,98	1,95	1,93	1,90	0,96	
	50	40	2,32	2,32	2,32	2,32	2,32	2,32	2,32	1,28	
	60	50	2,48	2,48	2,48	2,48	2,48	2,48	2,48	1,60	
	75	60	2,64	2,64	2,64	2,64	2,64	2,64	2,64	1,92	
	100	80	2,96	2,96	2,96	2,96	2,96	2,96	2,96	2,56	
6	60	50	2,56	2,53	3,39	4,24	4,20	4,16	4,13	2,40	
	80	70	3,43	3,41	4,19	5,00	5,00	5,00	5,00	3,36	
	100	80	4,27	4,27	4,75	5,24	5,24	5,24	5,24	3,84	

taglio del gruppo di chiodi è: $R_{V,d} \approx 8,1 \text{ kN}$ (azione breve)

ed essendo lo sforzo di taglio massimo pari a $T_{V,d} \approx 4,6 \text{ kN}$ (peso proprio e azione del vento in depressione) si ha:

$$T_{V,d} / R_{V,d} = 0,57 < 1$$

In merito ai fissaggi legno-legno con viti VGS a tutto filetto ($\varnothing 9/260$ $s_g = 65 \text{ mm}$) si ha che lo sforzo di trazione ultimo di questi chiodi è pari a:

$$R_{V,k,\text{legno}} = 14,06 \text{ kN}$$

e

$$R_{V,k,\text{vite}} = 25,40 \text{ kN}$$

da cui si ricava quello di progetto

dalla relazione: $R_{V,d} = \min[K_{\text{mod}} R_{V,k,\text{legno}} / \gamma_M; R_{V,k,\text{vite}} / \gamma_{M2}] = 8,4 \text{ kN}$ (molto superiore a quello di esercizio)

dove: $K_{\text{mod}} = 0,9$ (azione breve)

$$\gamma_M = 1,5$$

$$\gamma_{M2} = 1,25$$

Per ogni collegamento vengono impiegate 2 viti.

Per quanto riguarda i fissaggi legno-clc all'interno del telaio si impiegano ancoranti avvitabili per clc tipo SKR10100CE della Rothoblaas (o prodotti similari). Dalle tabelle fornite dalla Rothoblaas si ricava che lo sforzo di trazione ultimo di questi chiodi è pari a

$$R_{Rd,p} = 20 \text{ kN}$$

da cui si ricava quello di progetto dalla relazione:

$$R_{V,d} = R_{V,k} / \gamma_{Mp} \quad \text{con: } \gamma_{Mp} = 1,8.$$

Per ogni collegamento viene impiegato 1 tassello M10 per cui:

$$R_{V,d} \approx 11 \text{ kN}$$

ed essendo lo sforzo di trazione massimo sul traverso in sommità pari a

$$T_{V,d} \approx 4,57 \text{ kN}$$

si ha: $T_{V,d} / R_{V,d} = 0,42 < 1$

Il calcolo dell'ancoraggio del nodo C, tra il montante AC e il traverso BC (legno-legno), è affidato a una piastra angolare di acciaio fissata con chiodi anker tipo LBA 460, della Rothoblaas (o prodotti similari). Lo sforzo di taglio agente sulla sommità del montante AC pari a $T_{V,d} \approx 2,16 \text{ kN}$ (valore massimo). Dalle tabelle fornite dalla Rothoblaas si ricava che lo sforzo di trazione ultimo di questi chiodi è pari a $R_{N,k} = 2,40 \text{ kN}$ e quello di taglio è $R_{V,k} = 3,39 \text{ kN}$, da cui si ricava quello di progetto dalla relazione:

$$R_{V,d} = K_{\text{mod}} R_{V,k} / \gamma_M$$

con: $K_{\text{mod}} = 0,9$ (azione breve)

$$K_{\text{mod}} = 0,6$$
 (azione permanente)

$$\gamma_M = 1,5$$

Per ogni collegamento resistente a taglio vengono impiegati almeno 2 chiodi per cui:

$$R_{V,d} \approx 4,0 \text{ kN} \quad \text{(azione breve)}$$

$$R_{V,d} \approx 2,7 \text{ kN} \quad \text{(azione permanente)}$$

geometria		estrazione filetto totale ⁽¹⁾			estrazione filetto parziale ⁽¹⁾			trazione acciaio
d_1 (mm)	L (mm)	b (mm)	A_{min} (mm)	R_{ack} (kN)	s_g (mm)	A_{min} (mm)	R_{ack} (kN)	R_{acciaio} (kN)
9	160	150	170	16,87	65	85	7,31	25,40
	200	190	210	21,37	85	105	9,56	
	240	230	250	25,87	105	125	11,81	
	280	270	290	30,36	125	145	14,06	
	320	310	330	34,86	145	165	16,31	
	360	350	370	39,36	165	185	18,56	

VALORI CARATTERISTICI

CALCESTRUZZO NON FESSURATO					
		TRAZIONE ⁽¹⁾		TAGLIO ⁽²⁾	
		$N_{Rk,p}$ [kN]	γ_{Mp}	$V_{Rk,s}$ [kN]	γ_{Ms}
SKR CE	8	16	2,1	9,4	1,5
	10	20	1,8	20,1	1,5
	12	25	2,1	32,4	1,5
	16	40	2,1	56,9	1,5
SKS CE	8	16	2,1	9,4	1,5
	10	20	1,8	20,1	1,5

Sulla base di quanto sopra si hanno le seguenti verifiche:

- ancoraggio sul traverso (taglio): $T_{V,d}/R_{V,d} = 0,54 < 1$ (azione breve)
 $T_{V,d}/R_{V,d} = 0,04 < 1$ (azione permanente)

Il valore della resistenza a taglio delle due piastre è ampiamente superiore a quello dei chiodi.

Per quanto riguarda l'appoggio A questo viene realizzato con una piastra in acciaio zincato ad U (tipo la M52 della Rothoblaas, o prodotti similari) fissata al montante con 4 chiodi LBA 660 e alla soletta in c.a. sottostante con un tassello M16 cl. 5.6 ancorato con resina della HILTY HIT-HY 200-A (o prodotti similari).

Alla base del montante, nodo A, si hanno le seguenti sollecitazioni più gravose:

$$N_{Ed} = 2,91 \text{ kN} \quad V_{Ed} = 4,57 \text{ kN}.$$

Lo sforzo massimo di taglio sul tassello è $R_{V,k,s} = 31 \text{ kN}$ da cui si ricava quello di progetto dalla relazione:

$$R_{V,d,s} = R_{V,k,s}/\gamma_{Ms} \approx 22 \text{ kN} \quad \text{con: } \gamma_{Ms} = 1,4.$$

Per i chiodi si hanno gli stessi valori sopra indicati.

Verifica a taglio.

Per l'attacco al montante si adottano 4 chiodi: $R_{V,d} \approx 8,0 \text{ kN}$ (azione breve)

da cui: $V_{Ed}/R_{V,d} = 0,57 < 1$

Per l'attacco alla soletta in c.a. si ha: $R_{V,d,s} = 22 \text{ kN}$ (azione breve)

da cui: $V_{Ed}/R_{V,d,s} = 0,21 < 1$

Verifica a punzonamento.

Il taglio punzonamento di esercizio è ricavato dalla seguente relazione $v_{Ed} = \beta V_{Ed}/u_i d$

I^a verifica: lungo il perimetro della base di appoggio $v_{Ed0} < v_{Rd,max} = 0,5 v f_{cd}$

II^a verifica: lungo il perimetro di verifica posto a distanza $2d$ dalla base $v_{Ed1} < v_{Rd,c} = \tau_{cd} k (1,2 + 40 \rho_1)$

Nel caso queste due verifiche siano soddisfatte non occorre specifica armatura a taglio punzonamento.

Nello specifico abbiamo: $\beta = 1$ (carico centrato)

$$f_{cd} = 14,17 \text{ MPa}$$

$$\tau_{cd} = 0,30 \text{ MPa}$$

$$v = 0,30 \text{ MPa}$$

$$k = 1,5$$

$$\rho_1 = 0,01012$$

$$d = 100 \text{ mm}$$

$$u_0 = 364 \text{ mm} \quad (\text{perimetro base di appoggio})$$

$$u_1 = 1620 \text{ mm} \quad (\text{perimetro a distanza } 2d \text{ dalla base di appoggio})$$

da cui: $v_{Ed0} = 0,08 \text{ kN/cm} < v_{Rd,max} = 3,54 \text{ kN/cm}$ verificato

$$v_{Ed1} = 0,02 \text{ kN/cm} < v_{Rd,c} = 0,72 \text{ kN/cm} \quad \text{verificato}$$

VERIFICA IN TERMINI DI STABILITÀ ELEMENTI NON STRUTTURALI

Per gli elementi non strutturali devono essere adottati magisteri atti ad evitare la possibile espulsione sotto l'azione della F_a (v. § 7.2.3) corrispondente allo SL e alla CU considerati

MURATURE DI TAMPONAMENTO

- **PIANO TERRA $h = 700 \text{ cm}$ -**

Per i pannelli di tamponamento si ipotizza un meccanismo di rottura come in fig. sotto (i pannelli sono tutti inseriti in una maglia strutturale in c.a. e per contenere l'effetto sismico si fa in modo che, attraverso la costruzione di una nervatura orizzontale ancorata ai pilastri, l'altezza non superi 3,50 m).

Forza sismica orizzontale agente nel baricentro dell'elemento non strutturale

$$F_a = (S_a \times W_a) / q_a$$

S_a Accelerazione massima (adimensionalizzata rispetto a g)

W_a Peso dell'elemento non strutturale

q_a Fattore di struttura dell'elemento non strutturale

$$S_a = \alpha_s S [(3x(1+Z/H)) / (1+(1-T_a/T_1)^2) - 0,5] \quad (\text{§7.2.2 delle NTC 2008})$$

$$T_a = (2h^2) / (n^2 \pi) \times \sqrt{[A_a \gamma / (E J g)]}$$

$$\alpha = a_g (SLV, A) / g$$

$a_g (SLV, A)$ Accelerazione massima del terreno per stato limite ultimo e sottosuolo tipo A

g Accelerazione di gravità

$$S = S_s \times S_t$$

S_s Coefficiente di amplificazione stratigrafica

S_t Coefficiente di amplificazione topografica

Z Altezza del baricentro dell'elemento non strutturale dal piano fondale

H Altezza del fabbricato dal piano fondale

T_a Periodo fondamentale di vibrazione dell'elemento non strutturale

T_1 Periodo fondamentale di vibrazione nella

direzione considerata

h Altezza dell'elemento non strutturale

n Numero modo di vibrare

A_a Area di base dell'elemento non strutturale

γ Peso per unità di volume dell'elemento non strutturale

$E = 1000 f_k$ Modulo elastico dell'elemento non strutturale

f_k Resistenza caratt. a compressione dell'elemento non strutturale

J Momento di inerzia dell'elemento non strutturale

I valori sono:

$$h = 700 \text{ cm}, \quad W_a \approx 15,8 \text{ kN/m},$$

$$a_g (SLV, A) / g = 0,158 \quad n = 1$$

$$T_a \approx 0,239 \text{ s} \quad T_1 = 0,388 \text{ s}$$

$$H = 750 \text{ cm} \quad Z = 350 \text{ cm}$$

$$q_a = 2$$

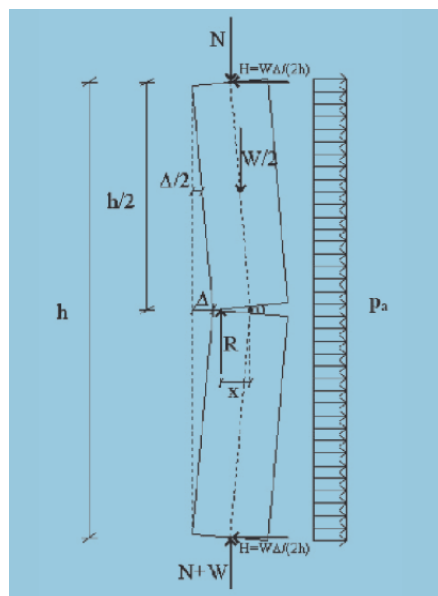
$$S_s = 1,2 \quad S_t = 1 \quad S = 1,2$$

$$\text{da cui:} \quad S_a = 0,600$$

$$F_a = 4,74 \text{ kN/m}$$

$$p_a = F_a / h = 0,68 \text{ kN/m}$$

$$\text{ed anche} \quad M_{Ed} = q_a h^2 / 8 = 4,15 \text{ kNm}$$



I dati relativi alla sezione della muratura sono:

$$\begin{aligned}t &= 25 \text{ cm} & l &= 100 \text{ cm} \\ \sigma_0 &= 1,20 \text{ N/cm}^2 & \gamma &= 9 \text{ kN/m}^3 \\ f_k &= 300 \text{ N/cm}^2 & f_d &= 150 \text{ N/cm}^2 \\ A &= 13875 \text{ cm}^2 & E &\approx 300000 \text{ N/cm}^2 \\ J &\approx 722656 \text{ cm}^4 & & \text{(valori di tutto il pannello, } L = 555 \text{ cm)}\end{aligned}$$

Il momento stabilizzante si ricava dalla relazione [7.8.2.]:

$$M_{Rd} = (t^2 l \sigma_0 / 2) (1 - \sigma_0 / 0,85 f_d) = 0,37 \text{ kNm}$$

Essendo: $M_{Rd} < M_{Ed}$ **verifica non soddisfatta**

E' necessaria una soluzione di contenimento come indicato nella Circ. 02/02/2009 capitolo C7.3.6.3. o altro sistema equivalente di comprovata funzionalità. Nello specifico si adotteranno delle nervature debolmente armate inserite nella muratura con una maglia di 3,5x3,5 m. Considerato che sulla nervatura verticale (sez. 20x25h, 2+2ø12, C20/25 min) c'è un momento flettente $M_{Ed \text{ nerv}} = 4,15 \times 3,15 = 14,5 \text{ kNm}$ e anche $M_{Rd \text{ nerv}} = 17,8 \text{ kNm}$ si ha: $M_{Ed, \text{nerv}} / M_{Rd \text{ nerv}} < 1$.

- PIANO TERRA $h = 300 \text{ cm}$ -

Forza sismica orizzontale agente nel baricentro dell'elemento non strutturale

$$F_a = (S_a \times W_a) / q_a$$

con $S_a = \alpha_s S [(3 \times (1 + Z/H)) / (1 + (1 - T_a/T_1)^2) - 0,5]$ (§7.2.2 delle NTC 2008)

$$T_a = (2h^2) / (n^2 \pi) \times \sqrt{[A_a \gamma / (E J g)]}$$

I valori sono:

$$h = 300 \text{ cm}, \quad W_a \approx 6,8 \text{ kN/m},$$

$$a_g (\text{SLV}, A) / g = 0,158 \quad n = 1$$

$$T_a \approx 0,044 \text{ s} \quad T_1 = 0,388 \text{ s}$$

$$H = 750 \text{ cm} \quad Z = 150 \text{ cm}$$

$$q_a = 2$$

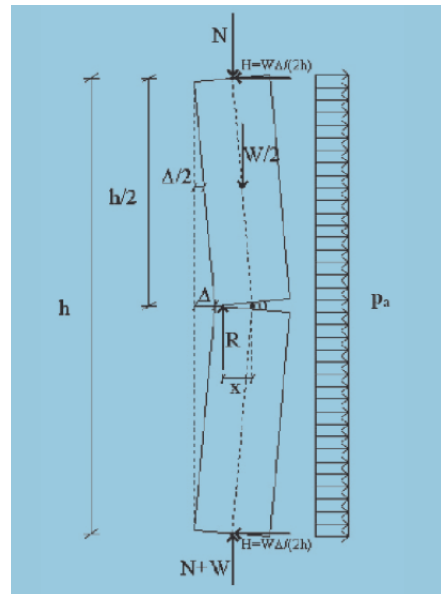
$$S_s = 1,2 \quad S_T = 1 \quad S = 1,2$$

da cui: $S_a = 0,287$

$$F_a = 0,975 \text{ kN/m}$$

$$p_a = F_a / h = 0,33 \text{ kN/m}$$

ed anche $M_{Ed} = q_a h^2 / 8 = 0,365 \text{ kNm}$



I dati relativi alla sezione della muratura sono:

$$t = 25 \text{ cm} \quad l = 100 \text{ cm}$$

$$\sigma_0 = 1,20 \text{ N/cm}^2 \quad \gamma = 6 \text{ kN/m}^3$$

$$f_k = 300 \text{ N/cm}^2 \quad f_d = 150 \text{ N/cm}^2$$

$$A = 13875 \text{ cm}^2 \quad E \approx 300000 \text{ N/cm}^2$$

$$J \approx 722656 \text{ cm}^4 \quad (\text{valori di tutto il pannello, } L = 555 \text{ cm})$$

Il momento stabilizzante si ricava dalla relazione [7.8.2.]:

$$M_{Rd} = (t^2 l \sigma_0 / 2) (1 - \sigma_0 / 0,85 f_d) = 0,37 \text{ kNm}$$

Essendo:

$$M_{Rd} > M_{Ed}$$

verifica soddisfatta

Non è necessaria una soluzione di contenimento.

- PIANO PRIMO $h = 300 \text{ cm}$ -

Forza sismica orizzontale agente nel baricentro dell'elemento non strutturale

$$F_a = (S_a \times W_a) / q_a$$

con $S_a = \alpha_s S[(3x(1+Z/H))/(1+(1-T_a/T_1)^2) - 0,5]$ (§7.2.2 delle NTC 2008)

$$T_a = (2h^2)/(n^2 \pi) \times \sqrt{[A_a \gamma / (E J g)]}$$

I valori sono:

$$h = 300 \text{ cm}, \quad W_a \approx 6,8 \text{ kN/m},$$

$$a_g (\text{SLV}, A) / g = 0,158 \quad n = 1$$

$$T_a \approx 0,044 \text{ s} \quad T_1 = 0,388 \text{ s}$$

$$H = 750 \text{ cm} \quad Z = 450 \text{ cm}$$

$$q_a = 2$$

$$S_s = 1,2 \quad S_T = 1 \quad S = 1,2$$

da cui: $S_a = 0,415$

$$F_a = 1,41 \text{ kN/m}$$

$$p_a = F_a / h = 0,47 \text{ kN/m}$$

ed anche $M_{Ed} = q_a h^2 / 8 = 0,53 \text{ kNm}$

I dati relativi alla sezione della muratura sono:

$$t = 25 \text{ cm} \quad l = 100 \text{ cm}$$

$$\sigma_0 = 1,20 \text{ N/cm}^2 \quad \gamma = 6 \text{ kN/m}^3$$

$$f_k = 300 \text{ N/cm}^2 \quad f_d = 150 \text{ N/cm}^2$$

$$A = 13875 \text{ cm}^2 \quad E \approx 300000 \text{ N/cm}^2$$

$$J \approx 722656 \text{ cm}^4 \quad (\text{valori di tutto il pannello, } L = 555 \text{ cm})$$

Il momento stabilizzante si ricava dalla relazione [7.8.2.]:

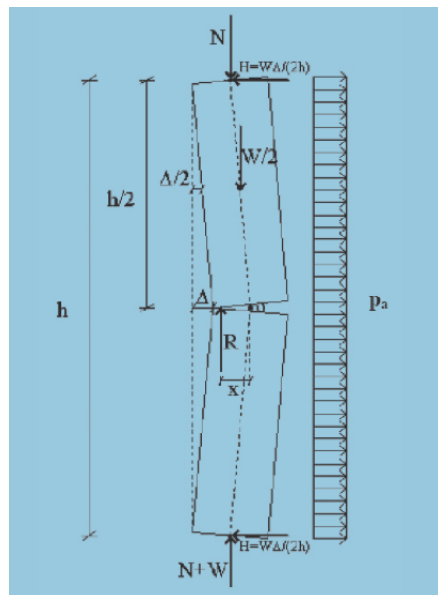
$$M_{Rd} = (t^2 l \sigma_0 / 2) (1 - \sigma_0 / 0,85 f_d) = 0,37 \text{ kNm}$$

Essendo:

$$M_{Rd} < M_{Ed}$$

verifica non soddisfatta

E' necessaria una soluzione di contenimento come indicato nella Circ. 02/02/2009 capitolo C7.3.6.3. o altro sistema equivalente di comprovata funzionalità. Nello specifico si adotteranno delle nervature debolmente armate inserite nella muratura con una maglia di 3,5x3,5 m.



CONTROLLO ACCETTABILITA' DEI RISULTATI

Il sottoscritto progettista delle strutture ha esaminato preliminarmente la documentazione relativa all'affidabilità ed alla validazione dei programmi direttamente fornita dalle case produttrici dei software.

I programmi di cui sopra sono stati utilizzati dal sottoscritto progettista da vari anni confrontando anche, in casi semplici, i risultati ottenuti dagli stessi con i risultati di calcoli manuali, ottenendo gradi di precisione accettabili. I programmi sono stati pertanto ritenuti idonei ad essere utilizzati per la struttura in oggetto.

In merito ai risultati ottenuti si sono effettuati anche i seguenti ulteriori controlli:

- Gli spostamenti rilevati con i modelli di calcolo rientrano nella norma e soprattutto sono tutti nel campo di quelli attesi.
- Il peso totale del fabbricato, calcolato sul modello, risulta confrontabile con quello atteso.
- Dal controllo dei modi di vibrare si rileva che per il modello vengono coinvolte oltre il 98% delle masse (88,2% nella direzione X e 99,9% nella direzione Y).