QUADRILATERO Marche Umbria S.p.A.

ASSE VIARIO MARCHE – UMBRIA
E QUADRILATERO DI PENETRAZIONE INTERNA
MAXI LOTTO 2

LAVORI DI COMPLETAMENTO DELLA DIRETTRICE PERUGIA ANCONA:
SS. 318 DI "VALFABBRICA". TRATTO PIANELLO – VALFABBRICA
SS. 76 "VAL D'ESINO". TRATTI FOSSATO VICO – CANCELLI E ALBACINA – SERRA SAN QUIRICO
"PEDEMONTANA DELLE MARCHE", TRATTO FABRIANO – MUCCIA – SFERCIA

PROGETTO ESECUTIVO

CONTRAENTE GENERALE:	*Il responsabile del Contraente Generale:*	*Il responsabile Integrazioni delle Prestazioni Specialistiche:*
DIRPA 2 s.c.a r.l.	Ing. Federico Montanari	*Ing. Salvatore Lieto*

PROGETTAZIONE: Associazione Temporanea di Imprese

Mandataria: PROGETTAZIONE GRANDI INFRASTRUTTURE PROGIN S.p.A.

Mandanti: LOMBARDI SA INGEGNERI CONSULENTI; LOMBARDI-REICO INGEGNERIA S.r.l.; SGAI s.r.l. di E.Forlani & C. Studio di Ingegneria e Geologia Applicata www.sgai.com

RESPONSABILE DELLA PROGETTAZIONE PER l'ATI Ing. Antonio Grimaldi GEOLOGO Dott. Geol. Fabrizio Pontoni COORDINATORE DELLA SICUREZZA IN FASE DI PROGETTAZIONE Ing. Michele Curiale	Dott. Ing. Antonio Grimaldi – Ordine Ingegneri Roma N. 20860 Ordine dei Geologi delle Marche – Fabrizio Pontoni – Geologo Specialista N. 176 – Albo Sezione A Ordine degli Ingegneri della Provincia di Caserta – Dott. Ing. Michele Curiale N. 1679 "Sez. A" Settori: Civile Ambientale, Industriale, Dell'Informazione

IL RESPONSABILE DEL PROCEDIMENTO Ing. Iginio Farotti		

2.1.3 PEDEMONTANA DELLE MARCHE

3° stralcio funzionale: Castelraimondo nord – Castelraimondo sud
4° stralcio funzionale: Castelraimondo sud – innesto S.S. 77 a Muccia

OPERE D'ARTE MAGGIORI: GALLERIE ARTIFICIALI

Galleria Naturale S. Barbara

Relazione tecnica e di calcolo degli imbocchi

SCALA:

DATA:

Settembre 2020

Codice Unico di Progetto (CUP) F12C03000050021 (Assegnato CIPE 23-12-2015)

Codice Elaborato:	Opera	Tratto	Settore	CEE	WBS	Id. Doc.	N. prog.	Rev
	L0703	213	E	14	GA4200	REL	01	B

REV.	DATA	DESCRIZIONE	Redatto		Controllato	Approvato
A	Marzo 2020	Emissione PE	PROGIN	D'Alterio	S. Lieto	A.Grimaldi
B	Settembre 2020	Emissione a seguito istruttoria ANAS	PROGIN	D'Alterio	S. Lieto	A.Grimaldi

INDICE

1. PREMESSA

La presente relazione viene emessa nell'ambito del Progetto Esecutivo della strada Pedemontana Marchigiana, che costituisce l'elemento di completamento tra le due direttrici "S.S.76" Vallesina e "S.S.77" Val di Chienti, con riferimento ai seguenti stralci funzionali:

3° stralcio funzionale: compreso tra lo svincolo di Castelraimondo nord e lo svincolo di Castelraimondo sud;

4° stralcio funzionale: compreso tra lo svincolo di Castelraimondo sud e l'innesto con la S.S. 77 a Muccia.

Gli stralci funzionali di cui sopra rientrano nell'ambito degli interventi di completamento della Pedemontana delle Marche definiti e finanziati nella Delibera CIPE 64/2016 - "Aggiornamento del quadro infrastrutturale della delibera n. 13/2004".

Nella presente relazione viene riportato il dimensionamento e l'analisi degli imbocchi A (lato Nord) e B (lato Sud) della Galleria Naturale S.Barbara.

2. DOCUMENTI DI RIFERIMENTO

2.1 Normative e raccomandazioni

La redazione della presente relazione è stata condotta nel rispetto della normativa vigente, in particolare:

Normative sulle costruzioni

- D.M. 14.01.2008: "Norme tecniche per le costruzioni";
- Circolare n° 61702.02.2009: "Istruzioni per l'applicazioe delle "Nuove norme tecniche per le costruzioni" di cui al decreto ministeriale 14 gennaio 2008"

Normative sulle strutture in c.a, in c.a.p. e acciaio

- - Legge 05.11.1971, n.1086: "Norme per la disciplina delle opere in conglomerato cementizio, normale e precompresso ed a struttura metallica" e relative istruzioni (Circ. Min. LL.PP. 14.02.1974, n. 11951).
- - D.M. 16.01.1996: "Norme tecniche relative ai «Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi»" e relative istruzioni (Circ. Min. LL.PP. 04.07.1996, n. 156 AA.GG./STC).
- Circolare n.156AA/STC del 04.07.1996 "Criteri generali per la verifica della sicurezza delle costruzioni e dei carichi e sovraccarichi di cui al decreto ministeriale 16 gennaio 1996".
- D.M. 14.02.1992: "Norme tecniche per l'esecuzione delle opere in cemento armato normale e precompresso e per le strutture metalliche".
- D.M. 09.01.1996: "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche" e relative istruzioni (Circ. Min. LL.PP. 15.10.1996, n. 252 AA.GG./STC).
- Normativa sui terreni, opere di sostegno, opere di fondazione
- D.M 11.03.1988: "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione ed il collaudo delle opere di sostegno delle terre e delle opere di fondazione" e relative istruzioni (Circ. Min. LL.PP. 24.09.1988, n. 30483).
- Associazione Geotecnica Italiana, "Aspetti geotecnici della progettazione in zona sismica. Linee guida" Ed. provvisoria marzo 2005.

2.2 Bibliografia

- Lancellotta R. (1993): "Geotecnica". Edizioni Zanichelli.
- Lancellotta R., Calavera J. (1999): "Fondazioni". Ed. McGraw-Hill.
- Viggiani C. (2000): "Fondazioni". Ed. CUEN.

3. DESCRIZIONE DELL'OPERA

La Galleria Naturale S. Barbara si estende tra le progressive 11+068 e 11+730 ed è costituita da una canna unica bidirezionale. L'imbocco A (lato Nord) si estende da pk 11+068 a 11+113 mentre l'imbocco B (lato Sud) si estende da pk 11+653 a 11+730.

Di seguito vengono riportati gli stralci planimetrici delle opere in oggetto.

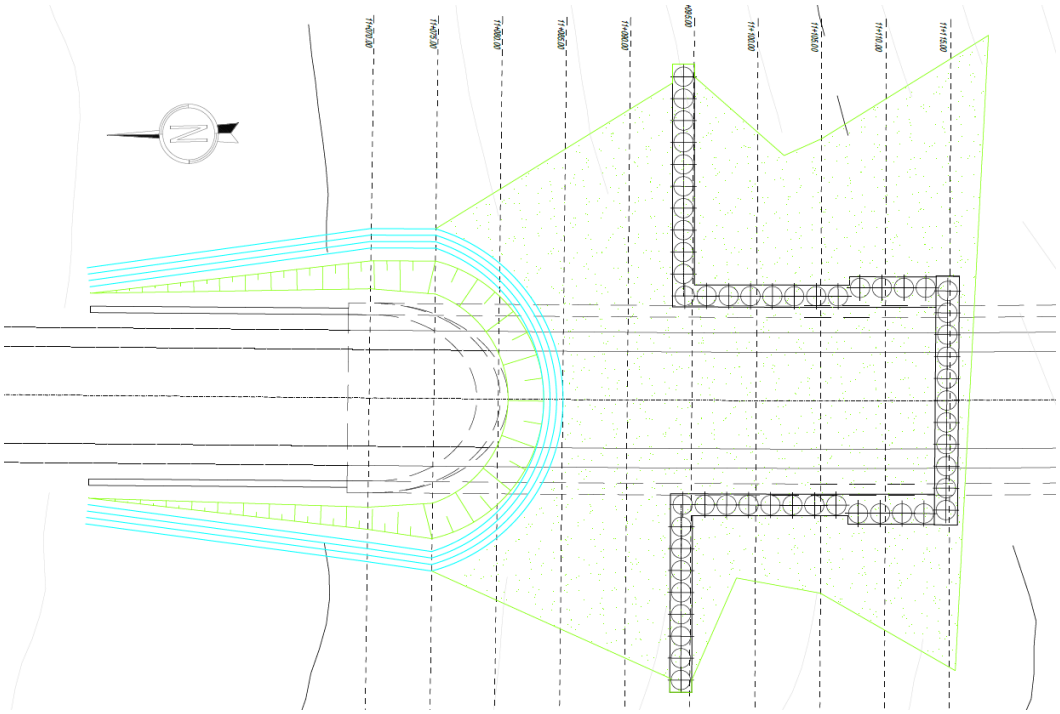


Figura 1: Stralcio planimetrico imbocco A (Lato Nord)

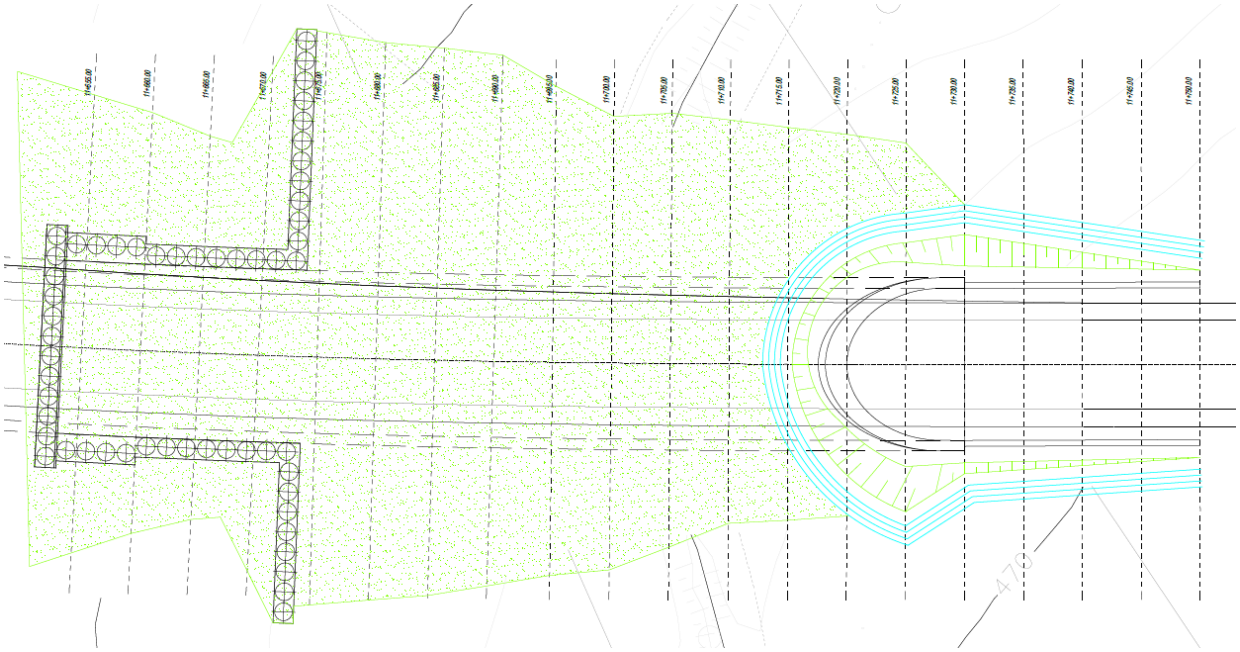


Figura 2: Stralcio planimetrico imbocco B (Lato Sud)

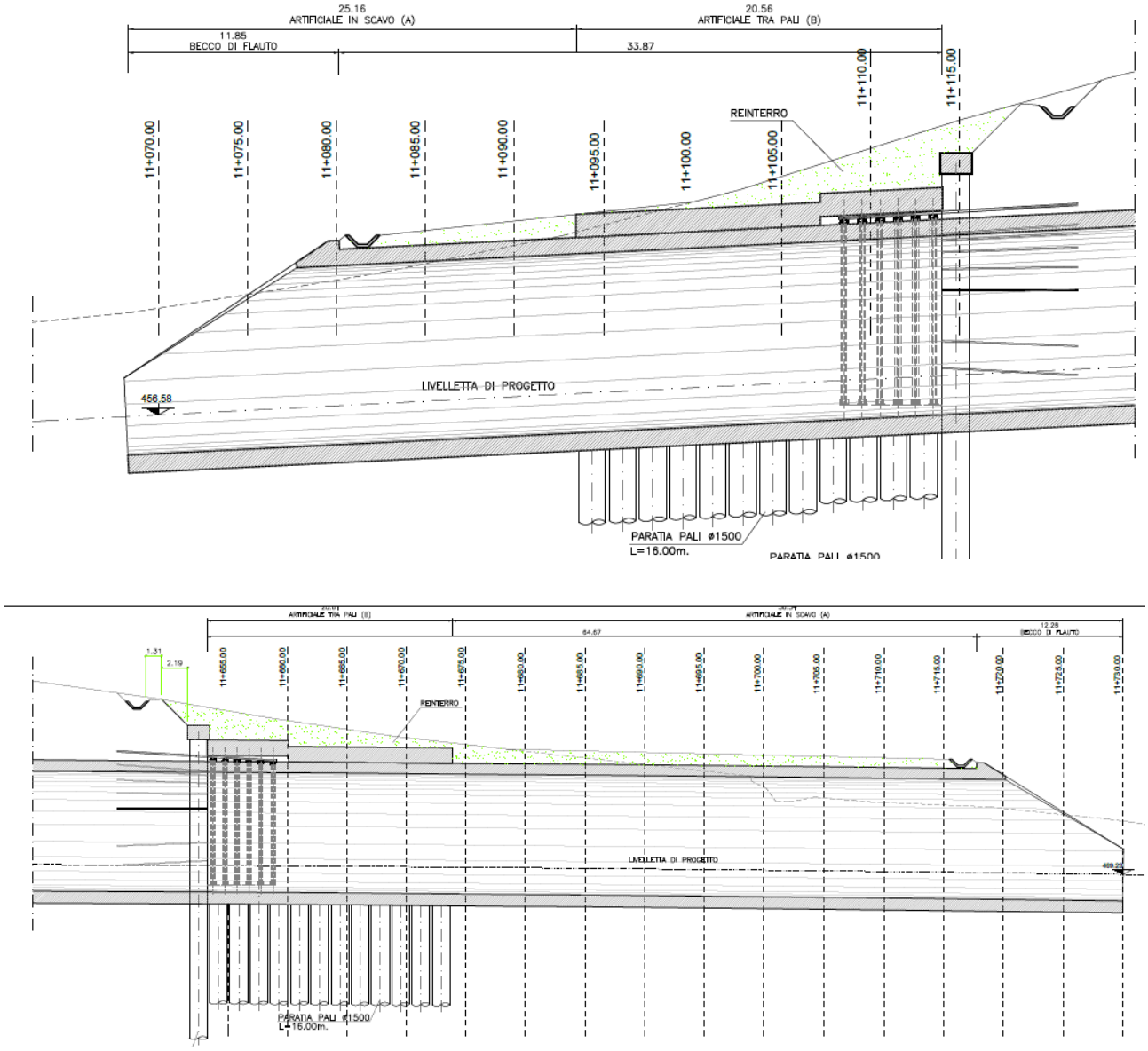


Figura 3: Sezioni longitudinali imbocco A (Lato Nord) Sopra - imbocco B (Lato Sud) Sotto

In corrispondenza dagli imbocchi sono previsti tratti di approccio in Galleria Artificiale, tali tratti presentano due tipologie costruttive differenti denominate "Artificiale in scavo" e "Artificiale tra pali":

- **Artificiale in scavo:** la sezione è costituita da una artificiale "classica" realizzata mendiante sbancamento, realizzazione del rivestimento e successivo riempimento. Tale tipolgia presenta nel tratto iniziale il "becco di flauto".

- **Artificiale con protesi e pali:** prevede opere di protezione a carattere provvisionale finalizzate alla realizzazione dei rivestimenti. Tali opere sono composte da paratie di pali Φ1500/1.70 disposti in sx e in dx collegati in testa da un puntone in c.a. ad asse curvilineo denominato "protesi". La lunghezza dei pali è pari a 16.0 m.

  Le fasi di realizzazione prevedono dapprima un prescavo fino a quota testa pali per la realizzazione

degli stessi e della protesi, un successivo riempimento con sistemazione definitiva ed infine lo scavo a foro cieco della galleria artificiale con realizzazione dei rivestimenti in calcestruzzo armato.

Di seguito vengono riportate alcune rappresentazioni delle sezioni sopra descritte:

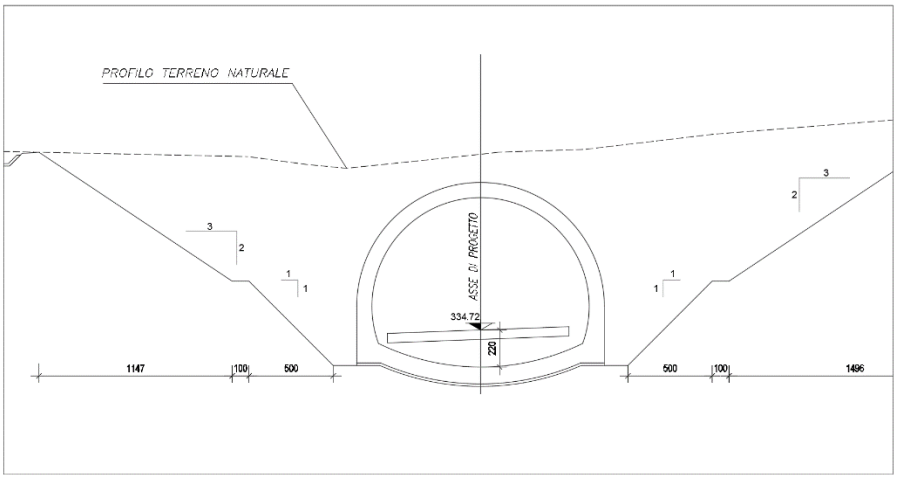


Figura 4: Sezione tipo "Artificiale in scavo"

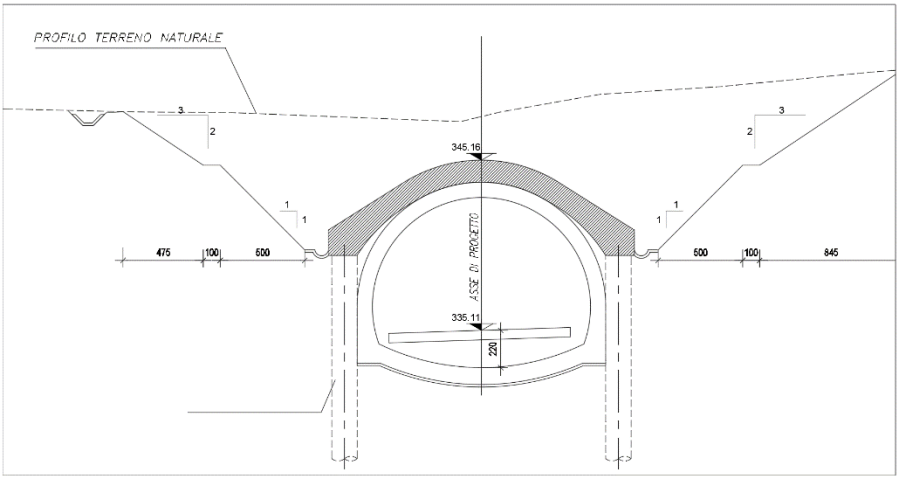


Figura 5: Sezione tipo "Artificiale con protesi e pali"

Si riporta un prospetto di riepilogo dei sistemi costruttivi adottati in funzione della progressiva:

Galleria Naturale S. Barbara		Progressiva iniziale	Progressiva finale
IMBOCCO NORD	Sezione "Artificiale in scavo"	11+069	11+095
	Sezione "Artificiale con protesi e pali"	11+095	11+115
IMBOCCO SUD	Sezione "Artificiale in scavo"	11+652	11+674
	Sezione "Artificiale con protesi e pali"	11+674	11+730

Per entrambe le tipologie costruttive i rivestimenti in calcestruzzo armato presentano spessore minimo pari a 0.90 m in calotta e sulle murette mentre l'arco rovescio ha uno spessore minimo pari ad 1.0 m.

Di seguito si riportano alcune sezioni del tratto in artificiale:

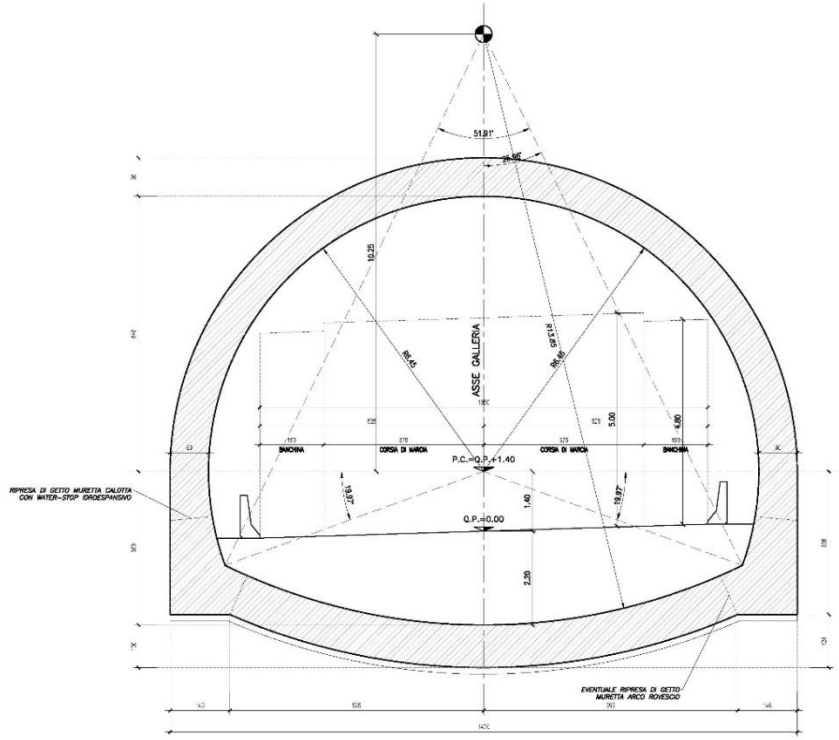


Figura 6: Carpenteria sezione Artificiale in scavo

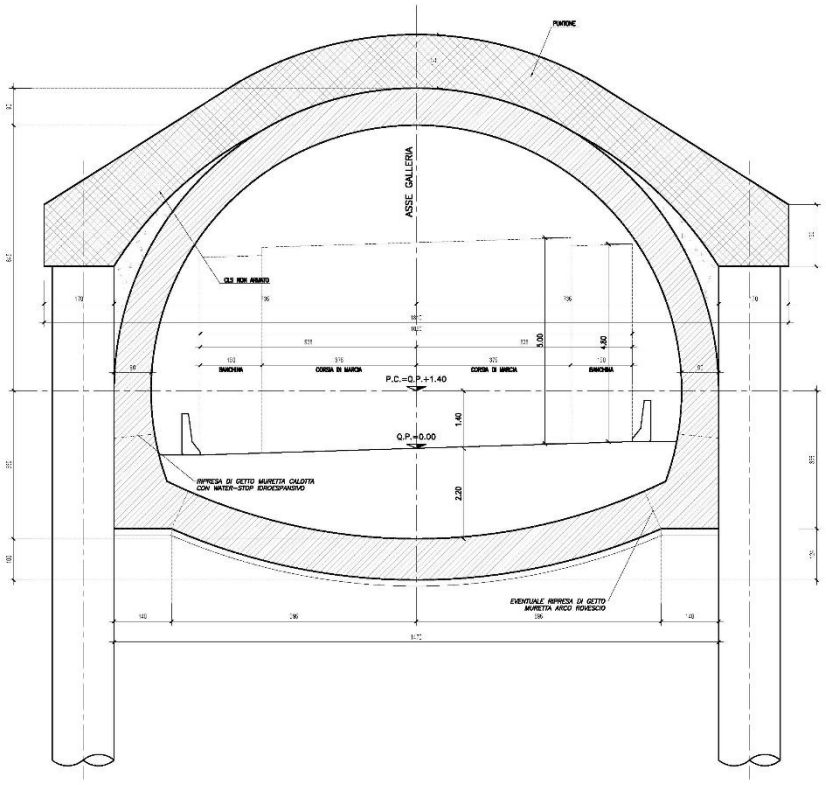


Figura 7: Carpenteria sezione Artificiale con protesi e pali

In corrispondenza del passaggio tra Galleria Artificiale e Naturale è presente una paratia di imbocco realizzata mediante pali trivellati. Si riporta una rappresentazine:

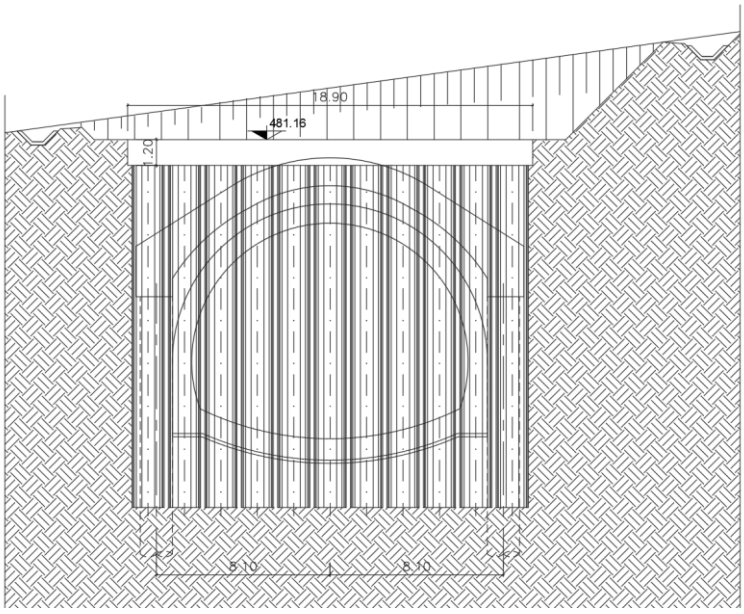


Figura 8: Paratia frontale di imbocco

4. CARATTERISTICHE DEI MATERIALI

Si riportano qui di seguito le caratteristiche prestazionali dei materiali che saranno impiegati per la realizzazione dei rivestimenti definitivi.

Calcestruzzo per opere definitive – arco rovescio e murette

Tipo (secondo UNI EN 206-1):	C35/45
Resistenza cubica caratteristica (t=28 gg):	Rck ≥ 45 MPa
Resistenza cilindrica caratteristica (t=28 gg):	fck ≥ 35 MPa
Modulo elastico secante:	Ecm = 34'077 MPa
Rapporto massimo acqua / cemento	A/C ≤ 0.50
Classe di esposizione ambientale:	XA3

Calcestruzzo per opere definitive – calotta e piedritti

Tipo (secondo UNI EN 206-1):	C32/40
Resistenza cubica caratteristica (t=28 gg):	Rck ≥ 40 MPa
Resistenza cilindrica caratteristica (t=28 gg):	fck ≥ 32 MPa
Modulo elastico secante:	Ecm = 33'346 MPa
Rapporto massimo acqua / cemento	A/C ≤ 0.50

Acciaio per cemento armato

Tipo: B 450 C (ex Fe B 44k)

Tensione caratteristica di rottura a trazione:	ftk ≥ 540 MPa
Tensione caratteristica di snervamento:	fyk ≥ 450 MPa
Tensione di calcolo (γ_s=1.15):	fyd = 450 / 1.15 = 391 MPa
Modulo elastico:	E = 210'000 MPa

Calcestruzzo per opere provvisionali

Tipo (secondo UNI EN 206-1):	C25/30
Resistenza cubica caratteristica (t=28 gg):	Rck ≥ 30 MPa
Resistenza cilindrica caratteristica (t=28 gg):	fck ≥ 25 MPa
Modulo elastico secante:	Ecm = 30'500 MPa
Rapporto massimo acqua / cemento	A/C ≤ 0.50
Classe di esposizione ambientale:	XC2

5. INQUADRAMENTO GEOLOGICO–GEOTECNICO

La caratterizzazione geologica – geotecnica dei terreni interessati dall'opera in oggetto è stata effettuata mediante l'analisi dei dati ottenuti da prove di laboratorio ed in sito.

L'area del tracciato stradale in oggetto si sviluppa nell'Appennino Umbro-Marchigiano e per tutta la sua estensione ricade interamente nel "Bacino di Camerino", un bacino minore di una più ampia struttura di età miocenica. Le successioni attraversate appartengono al Bacino Marchigiano Interno e le età formazionali sono comprese tra il Turoniano (Scaglia Rossa) e il Messiniano Superiore (Formazione a Colombacci), a queste vanno aggiunti i depositi alluvionali terrazzati, i detriti di versante ed i depositi eluvio colluviali di età pleistocenica-olocenica.

La galleria in oggetto attraversa la Formazione di Camerino. Si tratta delle litologie appartenenti alla formazione delle marnoso-arenacee. In particolare in funzione dei diversi rapporti fra frazione pelitica e arenacea si distinguono le seguenti facies: associazione pelitica, rappresentata da marne argillo-siltose scure con subordinate peliti arenacee e marne emipelagiche; associazione pelitico-arenacea, rappresentata da litofacies politico-arenacee e subordinatamente da litofacies arenarie politiche; associazione arenaceo-pelitica, formata essenzialmente da litofacies costituite da arenarie e marne siltose grigie ed infine l"associazione arenacea-conglomeratica, costituita da arenarie giallastre, da conglomerati in giacitura lenticolare e da livelli marnosi.

Di seguito si riportano i principali depositi:

Depositi eluvio colluviali: depositi a composizione granulometrica variegata ma generalmente a prevalente componente fine limo argillosa; localmente si rinviene sabbia limosa con clasti derivanti dalla disgregazione del substrato roccioso.

Alluvioni: si tratta di deposi alluvionali rinvenibili in corrispondenza dei corsi d'acqua e si distinguono: ghiaie eterometriche ed eterogenee in matrice sabbiosa, sabbie, sabbie debolmente limose, limi argillosi.

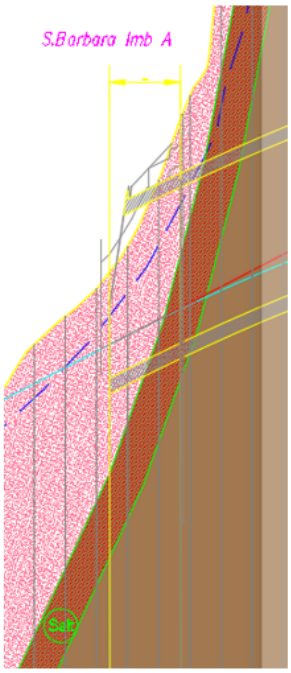
Substrato dello Schlier: Substrato con alternanza di marne argillose, siltose e con intercalazioi di carattere detritico e calcareniti.

La stratigrafia di progetto delle opere di imbocco prevede le seguenti unità:

MODELLO GEOTECNICO S.BARBARA IMB. A

11068,43 - 11114,02

	Litotipo	Potenza m	Quota max da PC m
0			
4	Ecla	10	10
10.0	Salt	6.5	16.5
16.5	Sch	var	-

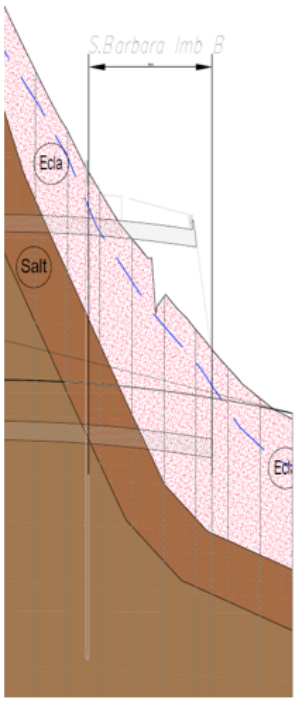


ESTRADOSSO OPERE DA P.C. var m

MODELLO GEOTECNICO S.BARBARA IMB. B

11653,26 - 11730

	Litotipo	Potenza m	Quota max da PC m
0			
3	Ecla	8	8
8.0	Salt	6.5	14.5
14.5	Sch	var	-



ESTRADOSSO OPERE DA P.C. var m

Si riportano di seguito i parametri geomeccanici di interesse:

Terreno di riporto

γ = 19.0÷20.0 kN/m3 peso di volume naturale

ϕ' = 27÷30° angolo di resistenza al taglio

c' = 0 kPa coesione drenata

Eo = 200÷300 MPa modulo di deformazione elastico iniziale

Unità Ecla - Depositi eluvio colluviali limoso argillosi

γ = 18.5÷20.5 kN/m3 peso di volume naturale

ϕ' = 23÷28° angolo di resistenza al taglio

c' = 5÷15 kPa coesione drenata

Eo = 60÷400 MPa modulo di deformazione elastico iniziale

Unità Salt – Substrato alterato argilloso limoso

γ = 19.0÷21.5 kN/m3 peso di volume naturale

ϕ' = 23÷30° angolo di resistenza al taglio

c' = 5÷15 kPa coesione drenata

Eo = 400÷900 MPa modulo di deformazione elastico iniziale

Substrato Schlier

$\gamma = 22.0$ kN/m^3 — peso di volume naturale
$\sigma_c = 1 \div 14$ (8) MPa — resistenza a compressione assiale (media)

$E'_{op} = 20+5.75 \cdot z$ MPa per $z < 40$ m — modulo di deformazione elastico operativo
$E'_{op} = 100+3.75 \cdot z$ MPa per $z > 40$m

Z [m]	c' [kPa]	ϕ' [°]
20	55	29
30	70	27
50	90	23

6. DEFINIZIONE AZIONE SISMICA

L'opera in oggetto è progettato per una vita nominale vita nominale V_N pari a 50 anni ed una classe d'uso III ai sensi del D. Min. 14/01/2008, da cui deriva un coefficiente d'uso CU = 1.5.

L'azione sismica di progetto è valutata a partire dalla pericolosità sismica di base del sito su cui l'opera insiste, descritta in termini geografici e temporali:

- attraverso i valori di accelerazione orizzontale di picco ag (attesa in condizioni di campo libero su sito di riferimento rigido con superficie topografica orizzontale) e le espressioni che definiscono le ordinate del relativo spettro di risposta elastico in accelerazione Se(T);
- in corrispondenza del punto del reticolo che individua la posizione geografica dell'opera;
- con riferimento a prefissate probabilità di eccedenza PVR.

In particolare, la forma spettrale prevista dalla normativa è definita, su sito di riferimento rigido orizzontale, in funzione di tre parametri:

- ag, accelerazione orizzontale massima del terreno;
- F0, valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
- TC*, periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale.

I suddetti parametri sono calcolati come media pesata dei valori assunti nei quattro vertici della maglia elementare del reticolo di riferimento che contiene il punto caratterizzante la posizione dell'opera, utilizzando come pesi gli inversi delle distanze tra il punto in questione ed i quattro vertici.

In particolare, si può notare come F0 descriva la pericolosità sismica locale del sito su cui l'opera insiste. Infatti, da quest'ultimo, attraverso le espressioni fornite dalla normativa, sono valutati i valori d'amplificazione stratigrafica e topografica. Di seguito sono riassunti i valori dei parametri assunti per l'opera in oggetto.

Parametri indipendenti

STATO LIMITE	SLV
a_g	0.224 g
F_o	2.536
T_C^*	0.331 s
S_S	1.359
C_C	1.512
S_T	1.000
q	1.000

La categoria di sottosuolo adottata è di tipo C.
Categoria di suolo C;
Categoria topografica T1;
Ss, fattore stratigrafico 1.359;
ST, fattore topografico 1.0;
Cc, fattore correttivo del periodo TC* 1.51.
PGA, accelerazione massima al suolo: $a_g \times S_s = 0.224 \times 1.359 = 0.305$

Per le opere provvisionali con vita nominale inferiore ai 2 anni, in accordo con la normativa vigente [NTC – 2.4.1], l'analisi sismica dell'opera non è stata effettuata.

7. VERIFICHE E STATI LIMITE

7.1 Verifiche allo SLU

In questo vengono illustrati i criteri di verifica per gli elementi strutturali sia allo stato limite di esercizio (SLE), che allo stato limite ultimo (SLU-SLV).

Le verifiche di resistenza dal punto di vista statico quali pressoflessione e taglio vengono eseguite su tutti gli elementi strutturali, mentre le verifiche di resistenza per sollecitazioni sismiche vengono eseguite solo per il rivestimento della galleria artificiale.

In riferimento alla resistenza allo SLU nei confronti delle sollecitazioni taglianti si adotta la seguente formulazione:

[NTC – 4.1.2.1.3.1] La resistenza a taglio in assenza di armatura specifica risulta pari a:

$$V_{Rd} = \left\{0{,}18 \cdot k \cdot (100 \cdot \rho_1 \cdot f_{ck})^{1/3} / \gamma_c + 0{,}15 \cdot \sigma_{cp}\right\} \cdot b_w \cdot d \geq (v_{min} + 0{,}15 \cdot \sigma_{cp}) \cdot b_w d$$

dove:

$$k = 1 + (200/d)^{1/2} \leq 2$$
$$v_{min} = 0{,}035 k^{3/2} f_{ck}^{1/2}$$

d	è l'altezza utile della sezione (in mm);
$\rho_1 = A_{sl}/(b_w \cdot d)$	è il rapporto geometrico di armatura longitudinale ($\leq 0{,}02$);
$\sigma_{cp} = N_{Ed}/A_c$	è la tensione media di compressione nella sezione ($\leq 0{,}2\ f_{cd}$);
b_w	è la larghezza minima della sezione(in mm).

Nel nel caso di utilizzo di armature a taglio si fa riferimento al 4.1.2.1.3.2 delle norme NTC2008. La resistenza a taglio dell'elemento in calcestruzzo armato è fornita dal minimo tra i valori VRcd e VRsd:

$$V_{Rsd} = 0{,}9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\mathrm{ctg}\alpha + \mathrm{ctg}\theta) \cdot \sin\alpha$$

$$V_{Rcd} = 0{,}9 \cdot d \cdot b_w \cdot \alpha_c \cdot f'_{cd} \cdot (\mathrm{ctg}\alpha + \mathrm{ctg}\theta)/(1 + \mathrm{ctg}^2\theta)$$

7.2 Verifiche allo SLE

Le verifiche allo stato limite di esercizio vengono eseguite esclusivamente sui rivestimenti definitivi della galleria artificiale poiché le opere di protezione hanno carattere provvisionale.

In riferiemnto al punto 4.1.2.2 delle NTC sono contemplate le verifiche delle prestazioni che la struttura deve essere in grado di garantire in esercizio sotto l'azione dei carichi di esecizio. Esse sono inoltre ampliamente descritte nella Circolare Applicativa nei diversi approcci rigorosi e semplificati. In particolare, sono da effettuarsi verifiche di:

- verifiche di fessurazione;
- verifica di limitazione delle tensioni in esercizio.

7.3 Verifiche di fessurazione

La verifica di fessurazione consiste nel controllare l'ampiezza dell'apertura delle fessure sotto combinazione di carico frequente e combinazione quasi permanente. Essendo la struttura a contatto col terreno si considerano condizioni ambientali aggressive; le armature di acciaio ordinario sono ritenute poco sensibili [NTC – Tabella 4.1.IV]. Il calcolo eseguito per le verifiche in questione fa fede a quanto riportato al 4.1.2.2.4.6 Verifica allo stato limite di fessurazione della Normativa NTC2008.

La classe di esposizione scelta, in riferimento alle NTC, è la XA3. Le condizioni ambientali si considerano aggressive e le armature sono acciai ordinari, quindi "poco sensibili".

L'apertura limite delle fessure è riportato nel prospetto seguente:

Gruppi di esigenze	Condizioni ambientali	Combinazione di azioni	Armatura			
			Sensibile		Poco sensibile	
			Stato limite	w_d	Stato limite	w_d
a	Ordinarie	frequente	ap. fessure	$\leq w_2$	ap. fessure	$\leq w_3$
		quasi permanente	ap. fessure	$\leq w_1$	ap. fessure	$\leq w_2$
b	Aggressive	frequente	ap. fessure	$\leq w_1$	ap. fessure	$\leq w_2$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$
c	Molto aggressive	frequente	formazione fessure	-	ap. fessure	$\leq w_1$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$

Lo stato limite di apertura delle fessure, nel quale, per la combinazione di azioni prescelta, il valore limite di apertura della fessura calcolato al livello considerato è pari ad uno dei seguenti valori nominali:

w_1 = 0,2 mm

w_2 = 0,3 mm

w_3 = 0,4 mm

Per la NTC i limiti da verificare sono quindi:

combinazione frequente: w_2= 0.3 mm

combinazione quasi permanente: w_1= 0.2 mm

8. MODELLI DI CALCOLO

In questo capitolo vengono dettagliate le specifiche tecniche della modellazione adottata per la galleria artificiale, per le opere provvisionali ad essa connesse.

8.1 Galleria Artificiale

L'analisi dell'opera viene effettuata con riferimento ad una fascia di dimensione longitudinale pari ad 1.0 m, rappresentativa della sezione di analisi. Sono stati realizzati dei modelli piani agli elementi finiti mediante il codice di calcolo Midas GTS, particolarmente adatto alle simulazioni del comportamento geotecnico-strutturale.

Il volume di terreno significativamente interessato dalla realizzazione della galleria è stato reso discreto con una mesh di elementi bidimensionali. La discretizzazione di calcolo è costituita da elementi quadrangolari bidimensionali. Le dimensioni della mesh, in relazione alla profondità ed al volume interessato, sono sufficienti a garantire che i risultati delle analisi siano indipendenti dalla particolare mesh adottata e sono tali da permettere di vincolare il lato inferiore della mesh bloccando gli spostamenti sia verticali che orizzontali, ed i lati sinistro e destro bloccando gli spostamenti orizzontali.

Il terreno è stato simulato con un legame costitutivo elasto-plastico alla Mohr-Coulomb mentre per i rivestimenti in calcestruzzo viene adottato un modello elastico lineare.

Nelle analisi F.E.M. eseguite vengono simulate tutte le fasi realizzative, a partire dalla condizione geostatica fino alla configurazione a lungo termine.

Le condizioni analizzate comporendono lo stato limite di esercizio SLE e lo stato limite di salvaguardia della vita SLV. Le sollecitazioni allo stato limiti ultimo (Statico) si ottengono moltiplicando quelle dello SLE per un coefficiente di amplificazione dei carichi pari a 1.3.

Per le gallerie artificiali di imbocco viene calcolato il caso più gravoso rappresentato dall'imbocco A (lato Nord).

8.1.1 Descrizione delle sezioni

Come descritto in precedenza si individuano le sezioni "tipo" da analizzare. Esse presentano diversa configurazione e fasi realizzative e saranno analizzate singolarmente per le condizioni più severe dal punto di vista geotecnico e strutturale.

SEZIONE ARTIFICIALE IN SCAVO

Per tale sezione si considera prima lo sbancamento libero, poi la realizzazione dei rivestimenti ed infine il ritombamento della copertura. La stratigrafia di progetto corrisponde con quanto esposto nel capitolo di inquadramento geologico-geotecnico.

I rivestimenti interni in calcestruzzo armato presentano spessori indicati nella descrizione dell'opera.

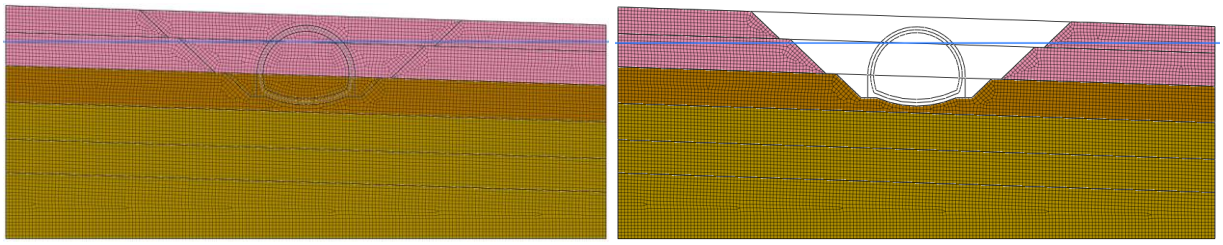


Figura 9 - Sezione Artificiale in scavo – Inizializzazione e scavo

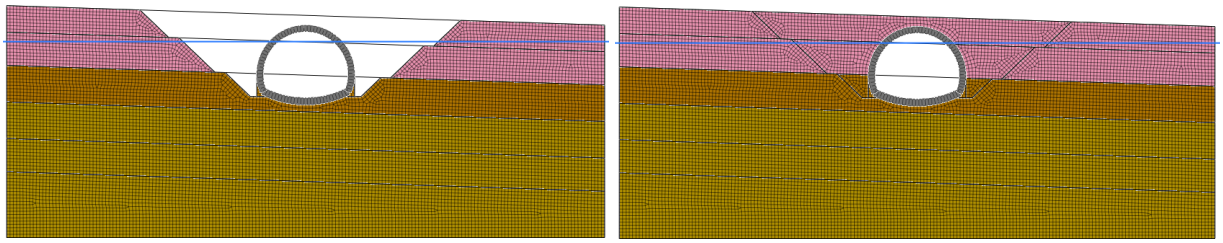


Figura 10 - Sezione Artificiale in scavo – Realizzazione rivestimento definitivo e ritombamento

SEZIONE ARTIFICIALE CON PROTESI E PALI

Per la sezione si considera prima uno scavo superficiale, la realizzazione dei pali e della protesi/puntone, il ritombamento e lo scavo a foro cieco della galleria.

I rivestimenti interni, i pali e la protesi presentano caratteristiche geometriche in accordo a quanto specificato nel capitolo di descrizione dell'opera.

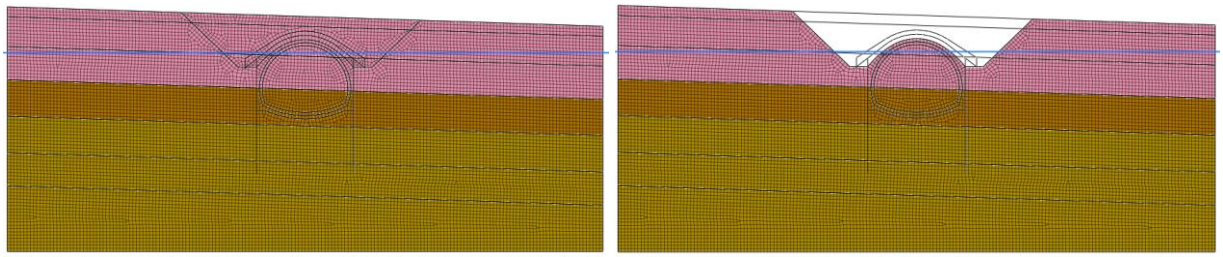


Figura 11 - Sezione Artificiale con protesi e pali – Inizializzazione e scavo

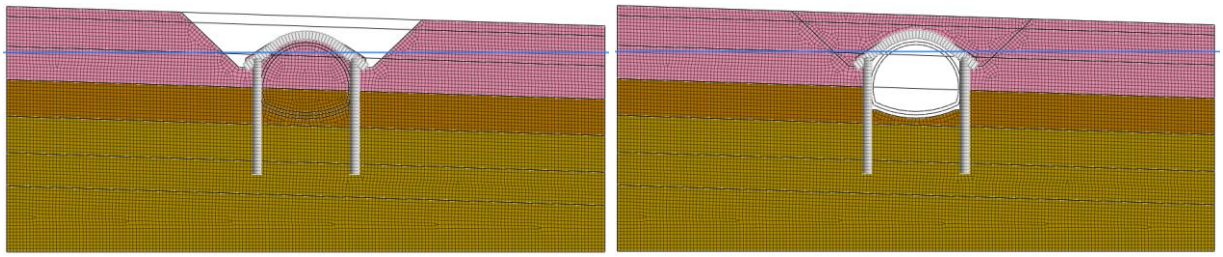


Figura 12 - Sezione Artificiale con protesi e pali – Realizzazione opere di sostegno e scavo

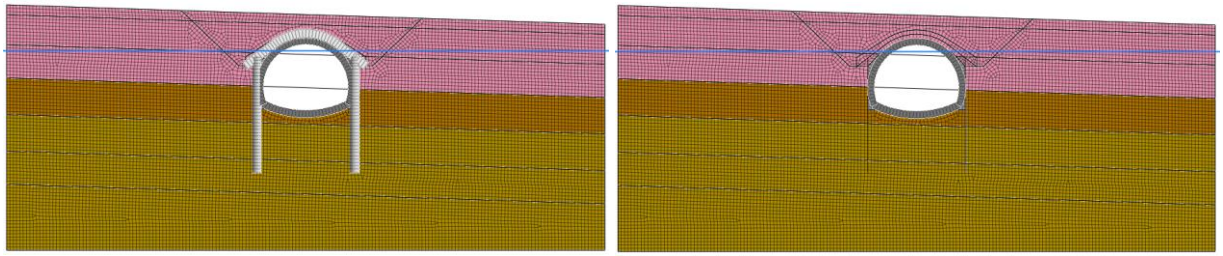


Figura 13 - Sezione Artificiale con protesi e pali –Rivestimento definitivo e decadimento delle opere provvisionali protesi e dei pali

9. RISULTATI DELLE ANALISI

In questo capitolo vengono illustrati i risultati delle analisi eseguite sia per le gallerie artificiali e relative opere provvisionali che per le paratie frontali di imbocco al tratto in naturale.

9.1 Galleria artificiale e opere provvisionali

Di seguito vengono illustrati i risultati delle analisi in termini di sollecitazioni sugli elementi strutturali allo stato limite di esercizio SLE, allo stato limite ultimo SLU ed allo stato limite di salvaguardfia della vita SLV (sisma). Nella figura seguente si indicano le sezioni della galleria artificiale maggiormente sollecitate, per le quali si eseguono le verifiche strutturali:

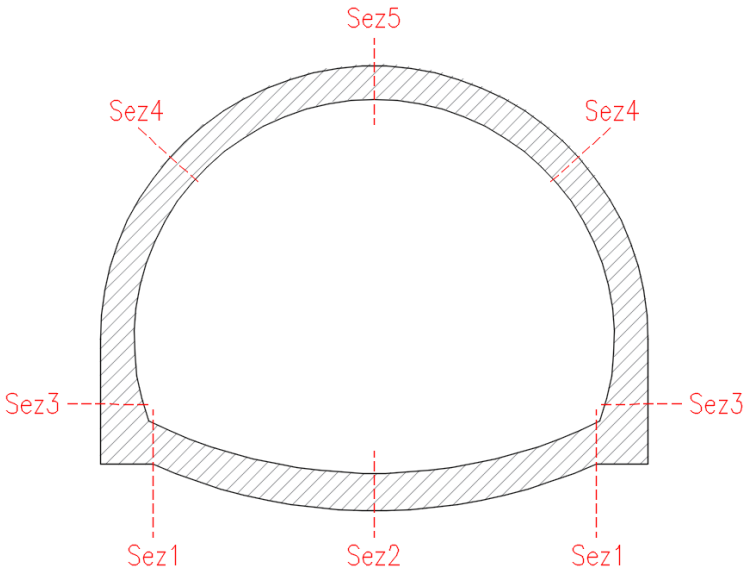


Figura 14: Sezioni maggiormanete sollecitate

Di seguito si sintetizzano in forma tabellare tutti i risultati ottenuti in termini di sollecitazioni sui rivestimenti in calcestruzzo armato.

Sollecitazioni rivestimento definitivo - SLE					
Sezione di calcolo [-]	Sezione strutturale [-]	s [m]	N_{Ed} [kN/m]	M_{Ed} [kNm/m]	T_{Ed} [kN/m]
Artificiale in scavo	1	1.00	360	300	230
	2	1.00	180	460	70
	3	0.90	700	430	120
	4	0.90	400	120	30
	5	0.90	300	240	20
Artificiale tra pali	1	1.00	400	250	210
	2	1.00	380	340	70
	3	0.90	1000	300	100
	4	0.90	800	100	80
	5	0.90	650	200	30

Sollecitazioni rivestimento definitivo - SLV					
Sezione di calcolo [-]	Sezione strutturale [-]	s [m]	N_{Ed} [kN/m]	M_{Ed} [kNm/m]	T_{Ed} [kN/m]
Artificiale in scavo	1	1.00	1200	610	270
	2	1.00	1200	540	80
	3	0.90	800	610	350
	4	0.90	450	620	120
	5	0.90	400	240	160
Artificiale tra pali	1	1.00	1500	520	200
	2	1.00	1500	440	150
	3	0.90	1300	440	260
	4	0.90	300	420	125
	5	0.90	600	340	110

9.1.1 Sezione artificiale in scavo

Si ripotano di seguito i risultati delle analisi in termini di sollecitazioni sul rivestimento defintivo, per gli stati limite SLE e SLV. I valori dei diagrammi sono scalati per un valore pari a 10^{-6} per i momenti e pari a 10^{-3} per i tagli e gli sforzi normali.

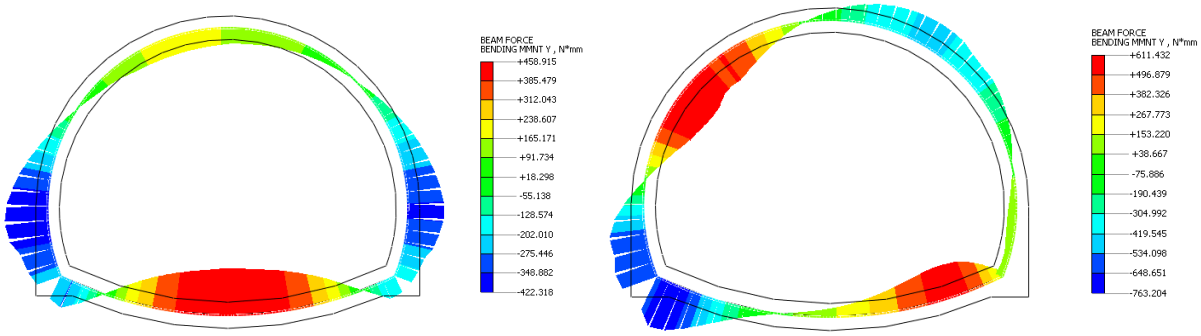


Diagramma momento flettente – SLE (sinistra), SLV (destra)

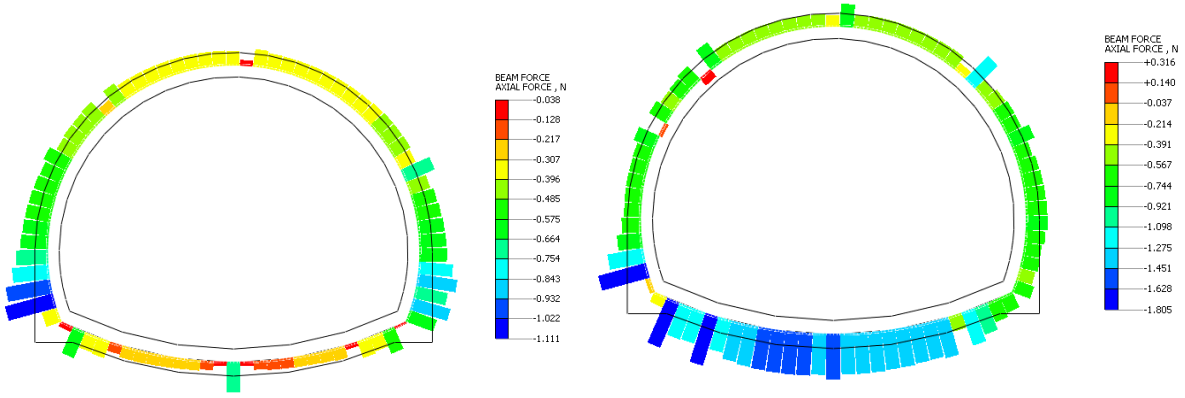


Diagramma sforzo normale – SLE (sinistra), SLV (destra)

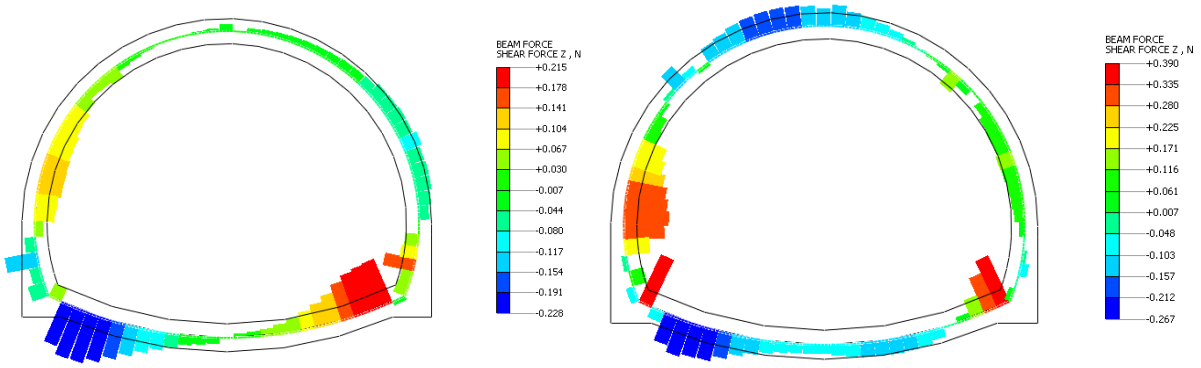


Diagramma taglio – SLE (sinistra), SLV (destra)

9.1.2 Sezione artificiale con protesi e pali

Si ripotano di seguito i risultati delle analisi in termini di sollecitazioni sul rivestimento defintivo, per gli stati limite SLE e SLV. I valori dei diagrammi sono scalati per un valore pari a 10-6 per i momenti e pari a 10-3 per i tagli e gli sforzi normali.

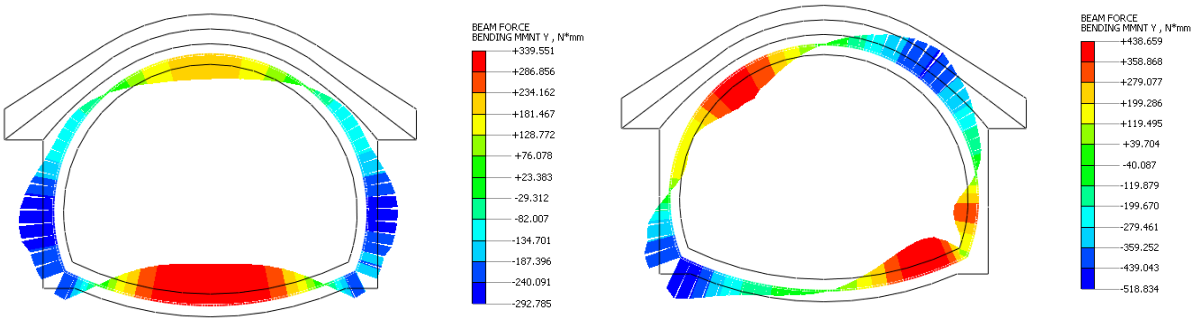


Diagramma momento flettente – SLE (sinistra), SLV (destra)

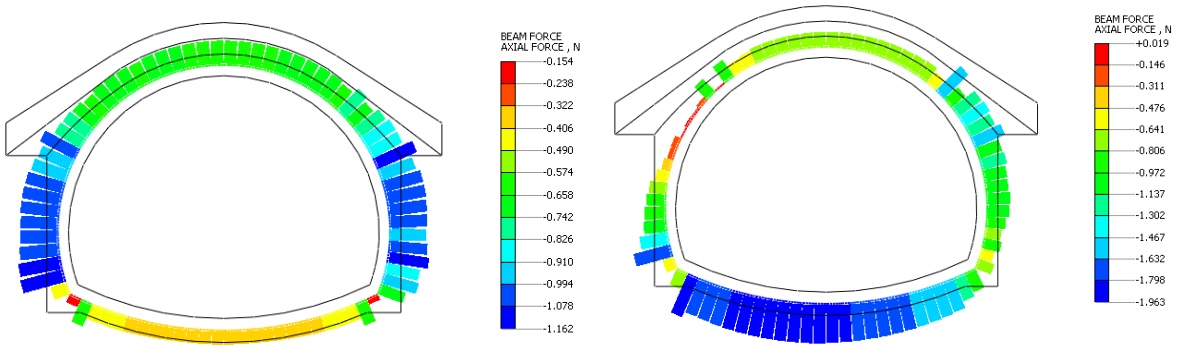


Diagramma sforzo normale – SLE (sinistra), SLV (destra)

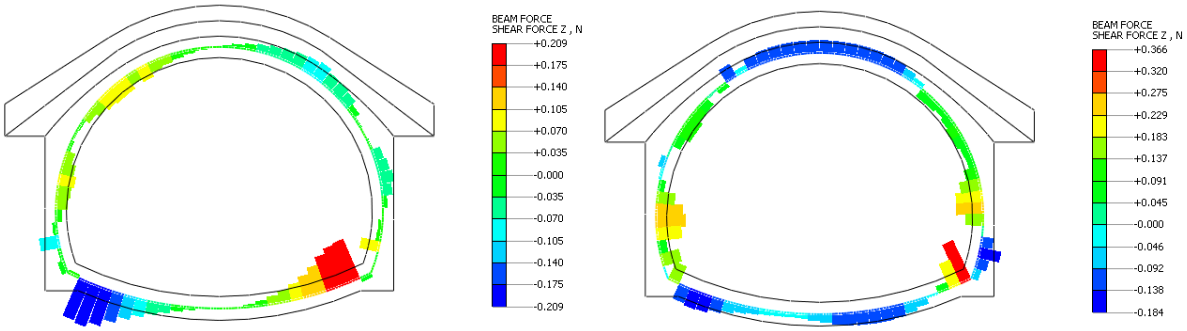


Diagramma taglio – SLE (sinistra), SLV (destra)

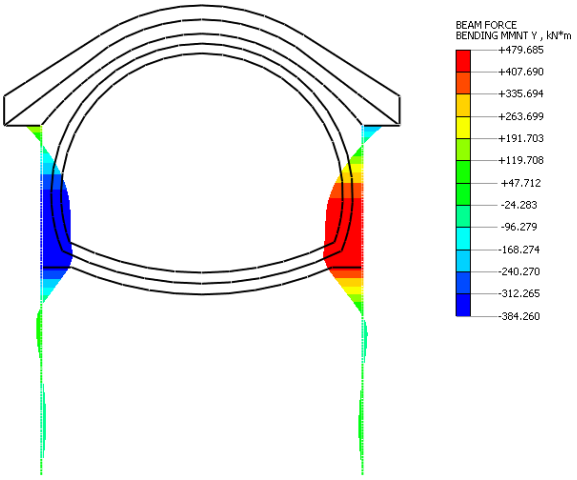


Diagramma momento flettente sui pali durante la fase di scavo – SLE

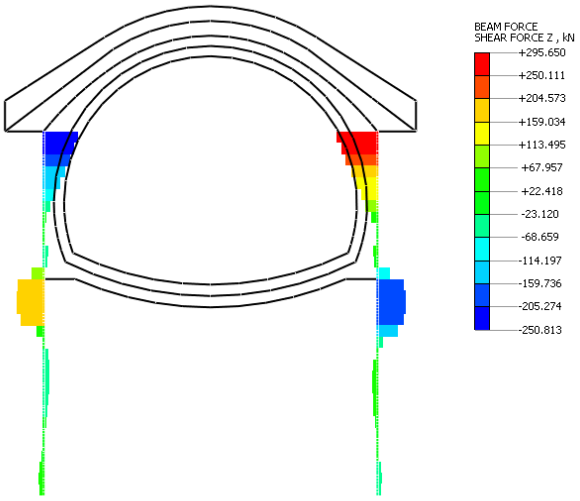


Diagramma taglio sui pali durante la fase di scavo– SLE

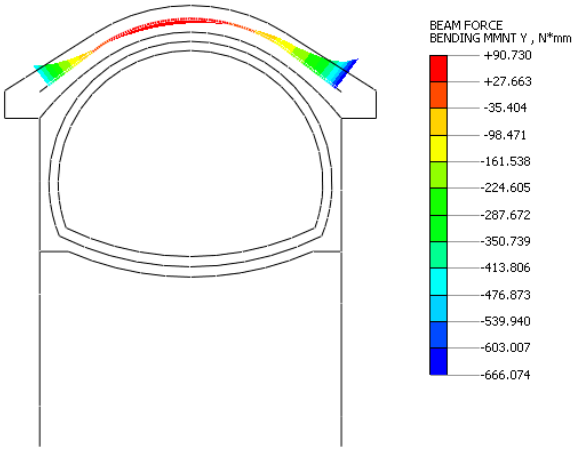


Diagramma momento flettente protesi – SLE

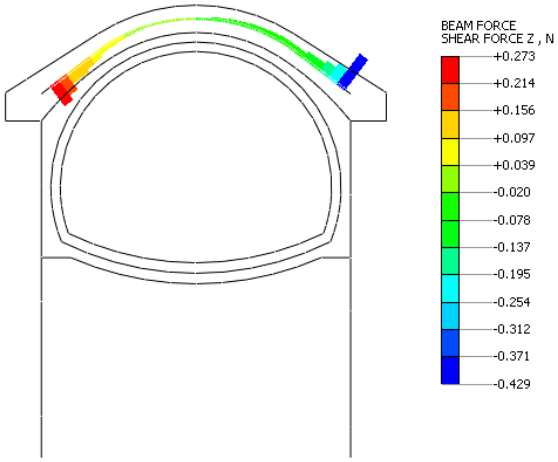


Diagramma taglio protesi – SLE

10. VERIFICHE

In questo capitolo vengono illustrati i risultati delle verifiche di sicurezza eseguite sugli elementi strutturali sia allo stato limite di esercizio che allo stato limite ultimo. Si riporta anche un riepilogo delle sollecitazioni ricavate dalle analisi agli elementi finiti.

Sollecitazioni Rivestimento Definitivo			SLE			SLU			SLV - SISMA		
Sezione	Sezione strutturale	s	N_{Ed}	M_{Ed}	T_{Ed}	N_{Ed}	M_{Ed}	T_{Ed}	N_{Ed}	M_{Ed}	T_{Ed}
[-]	[-]	[m]	[kN/m]	[kNm/m]	[kN/m]	[kN/m]	[kNm/m]	[kN/m]	[kN/m]	[kNm/m]	[kN/m]
Artificiale	1	1.00	360	300	230	468	390	299	1200	610	270
	2	1.00	180	460	70	234	598	91	1200	540	80
	3	0.90	700	430	120	910	559	156	800	610	350
	4	0.90	400	120	30	520	156	39	450	620	120
	5	0.90	300	240	20	390	312	26	400	240	160
Artificiale tra pali	1	1.00	400	250	210	520	325	273	1500	520	200
	2	1.00	380	340	70	494	442	91	1500	440	150
	3	0.90	1000	300	100	1300	390	130	1300	440	260
	4	0.90	800	100	80	1040	130	104	300	420	125
	5	0.90	650	200	30	845	260	39	600	340	110

Si riportano nella seguente tabella le armature adottate per le verifiche di sicurezza:

Sezione	Sezione strutturale	s	Armatura tesa	Armatura compressa
[-]	[-]	[m]	[-]	[-]
Artificiale	1	1.00	1Φ24/10	1Φ20/10
	2	1.00	1Φ24/10+1Φ24/20	1Φ24/20
	3	0.90	1Φ26/10	1Φ20/20
	4	0.90	1Φ26/20	1Φ26/20
	5	0.90	1Φ26/20	1Φ26/20
Artificiale tra pali	1	1.00	1Φ24/10	1Φ20/10
	2	1.00	1Φ24/10	1Φ24/20
	3	0.90	1Φ26/10	1Φ20/20
	4	0.90	1Φ26/20	1Φ26/20
	5	0.90	1Φ26/20	1Φ26/20

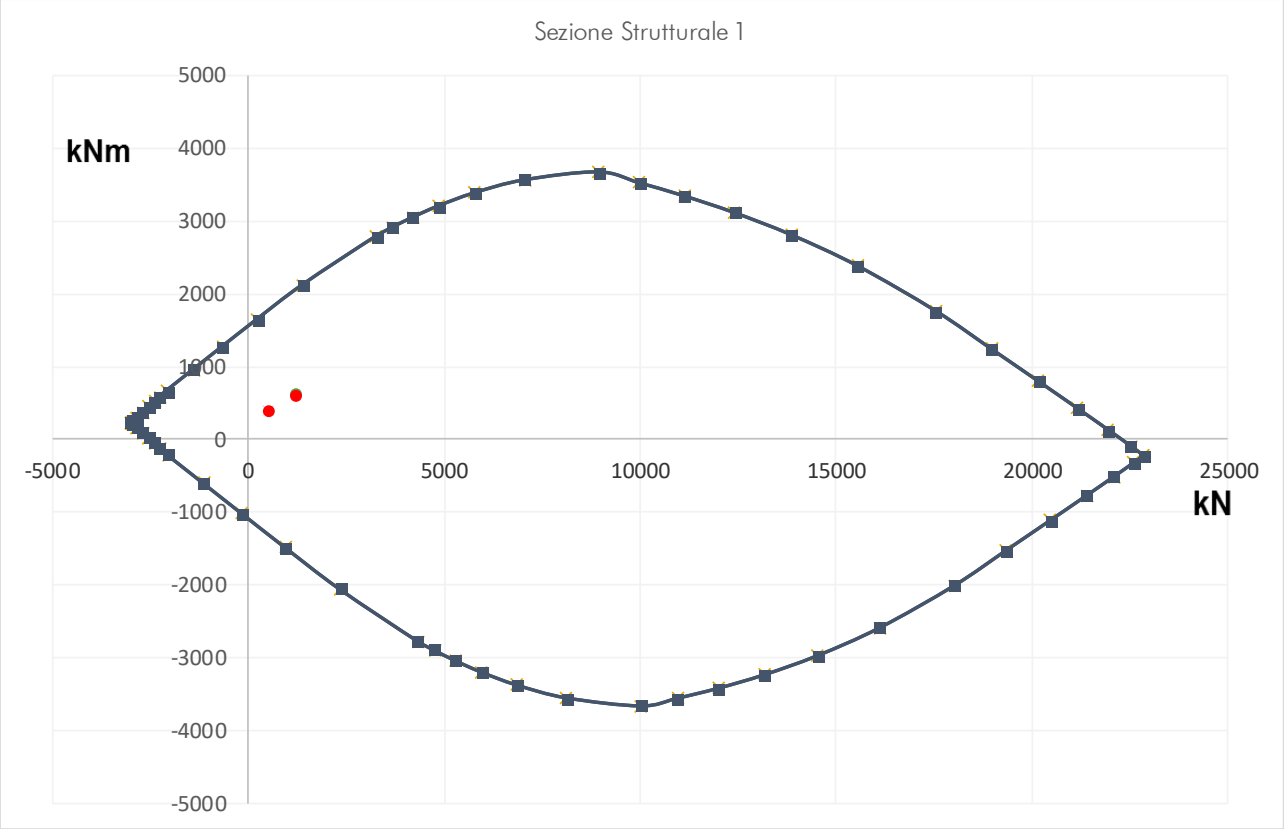
10.1 VERIFICHE A PRESSOFLESSIONE SLU/SLV

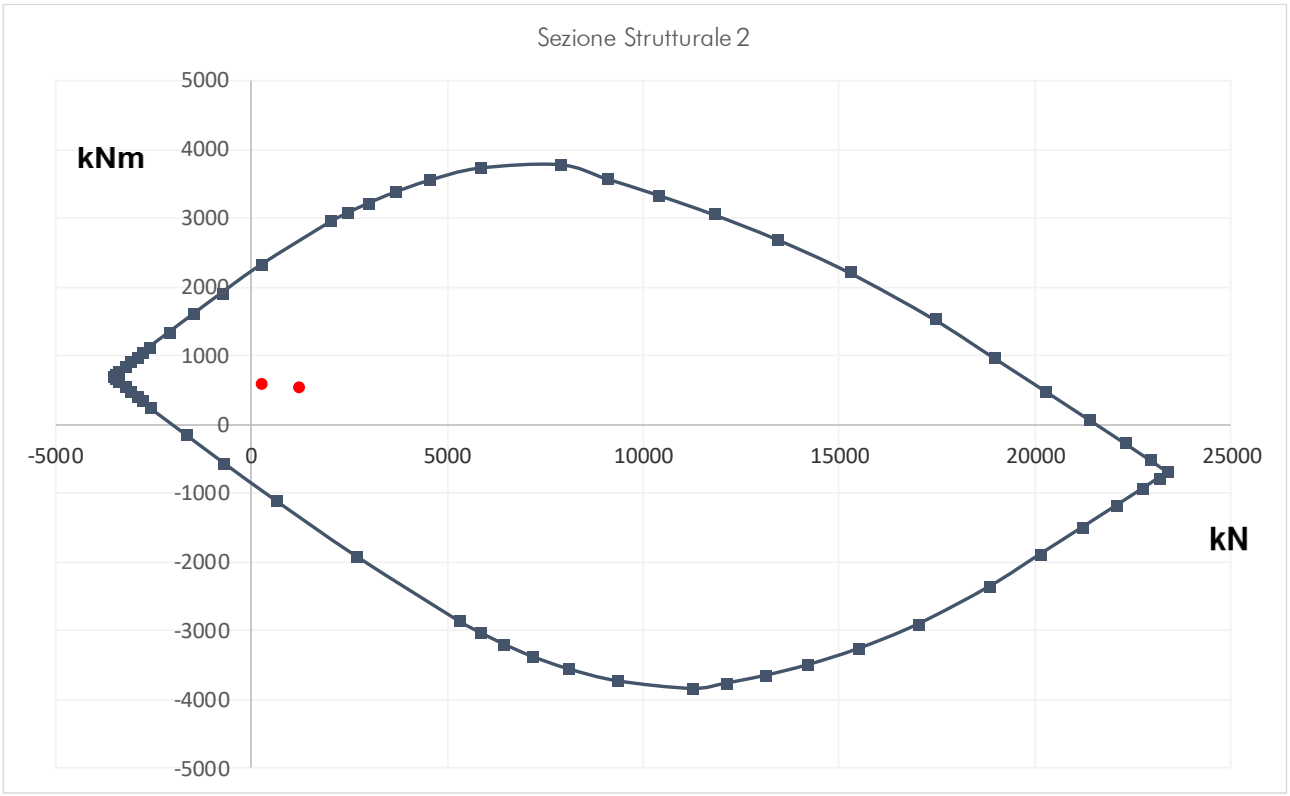
Si riportano di seguito le verifiche di sicurezza agli stati limite ultimi, sia di tipo statico che dinamico, sotto forma di domini di resistenza.

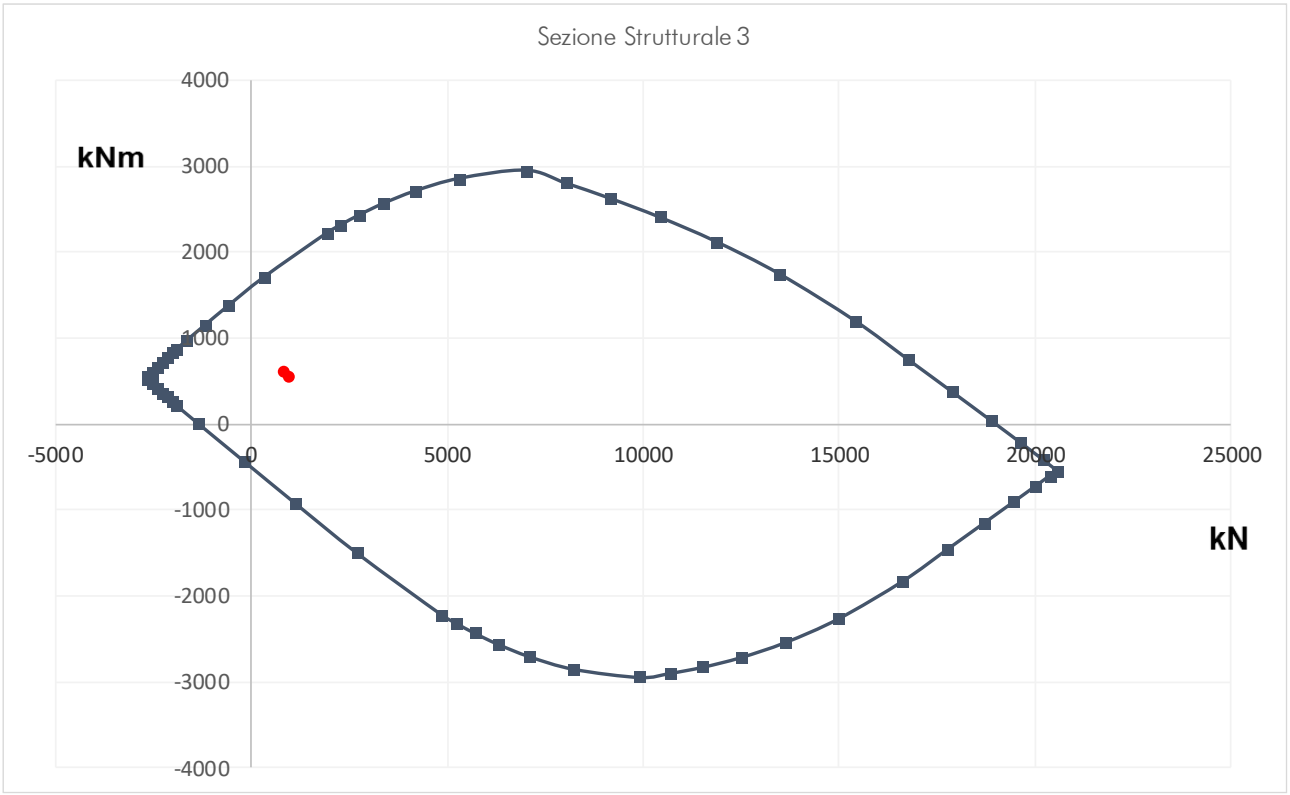
10.1.1 Artificiale in scavo – SLU/SLV

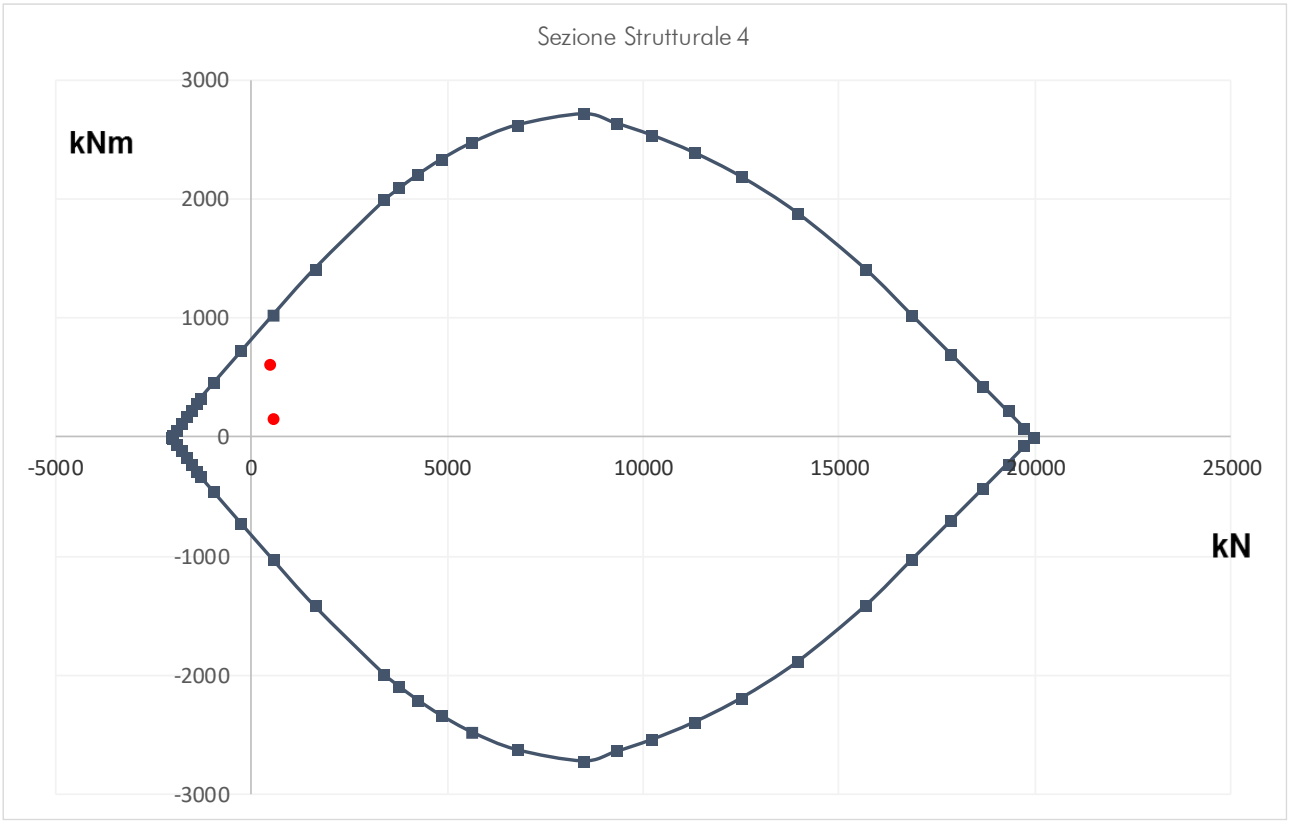
RIVESTIMENTO DEFINITIVO

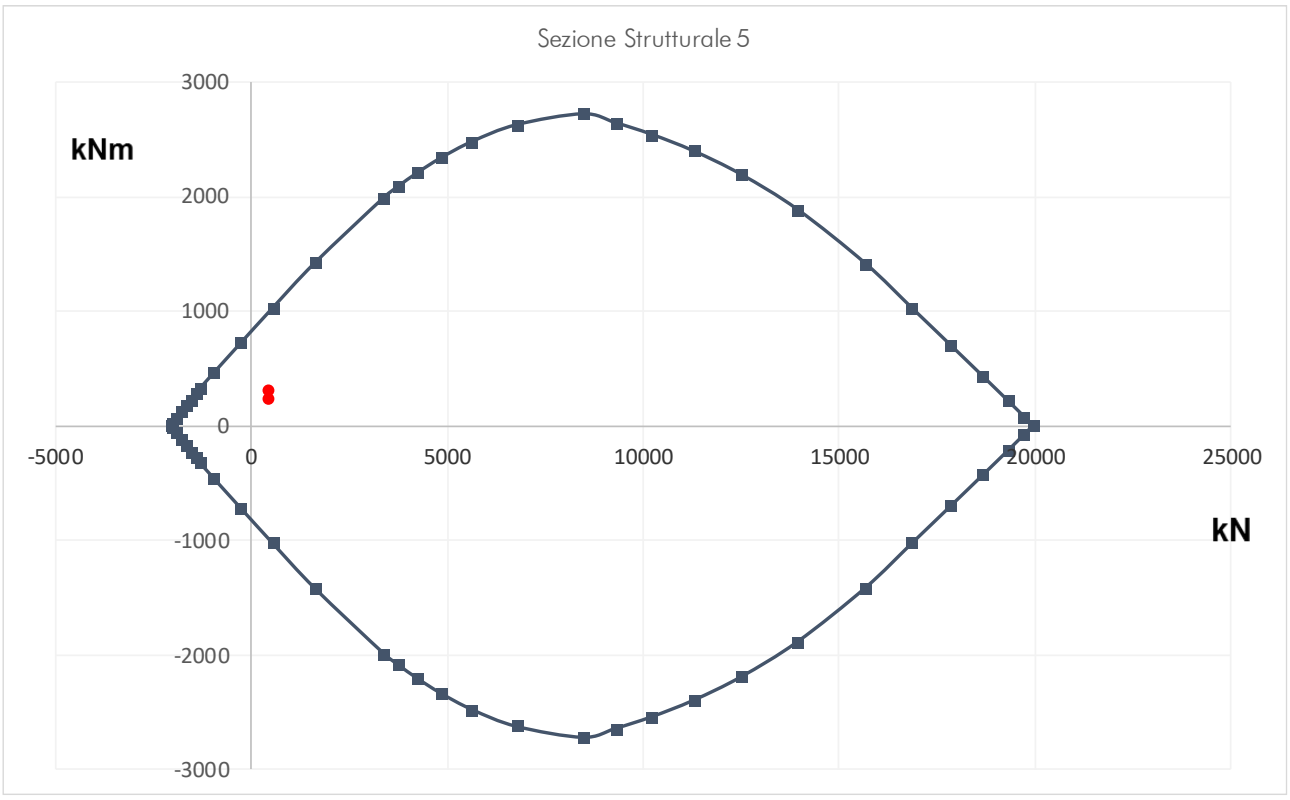
Si riportano di seguito i domini di resistenza del rivestimento definitivo e le verifiche a pressoflessione




Sezione Strutturale 2
kNm
kN
5000
4000
3000
2000
1000
0
-1000
-2000
-3000
-4000
-5000
-5000
0
5000
10000
15000
20000
25000


Sezione Strutturale 3
kNm
kN
4000
3000
2000
1000
0
-1000
-2000
-3000
-4000
-5000
0
5000
10000
15000
20000
25000

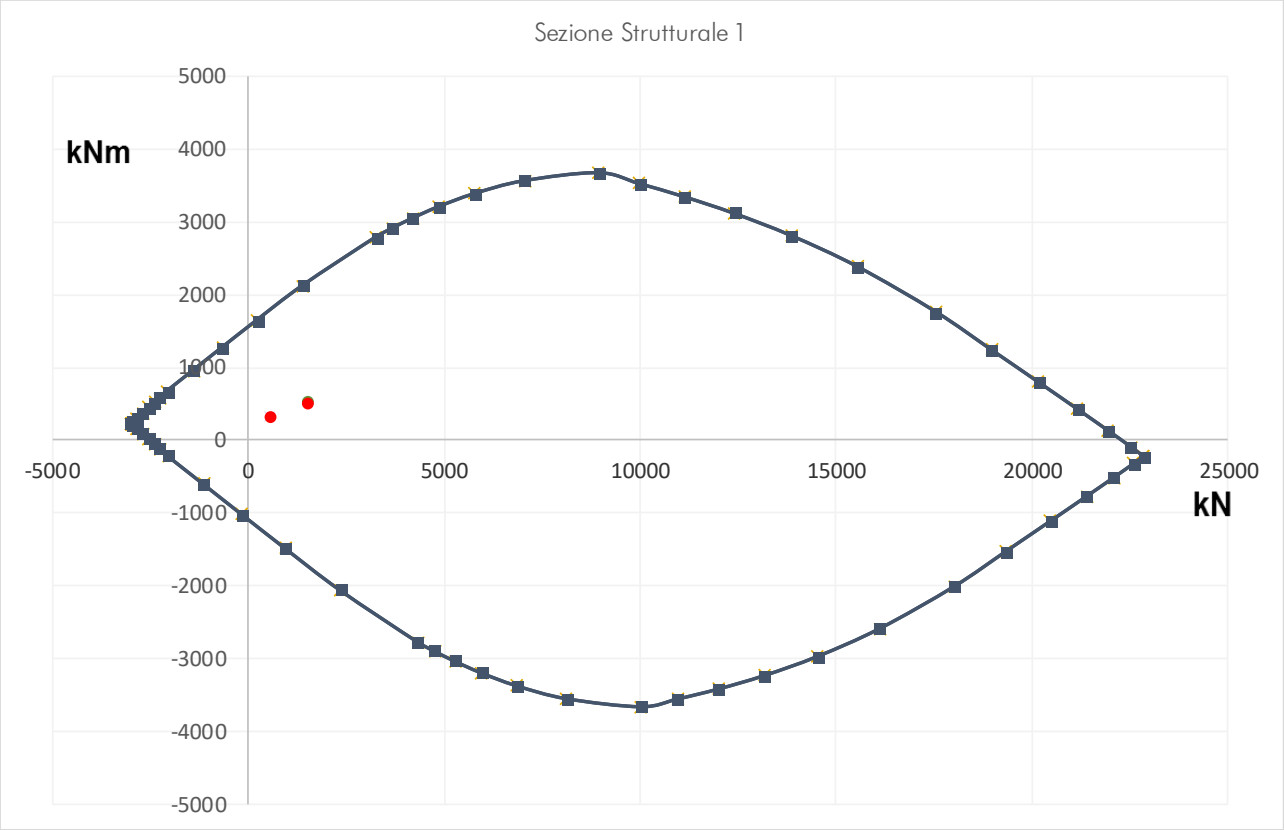

Sezione Strutturale 4
kNm
3000
2000
1000
0
-1000
-2000
-3000
-5000
0
5000
10000
15000
20000
25000
kN

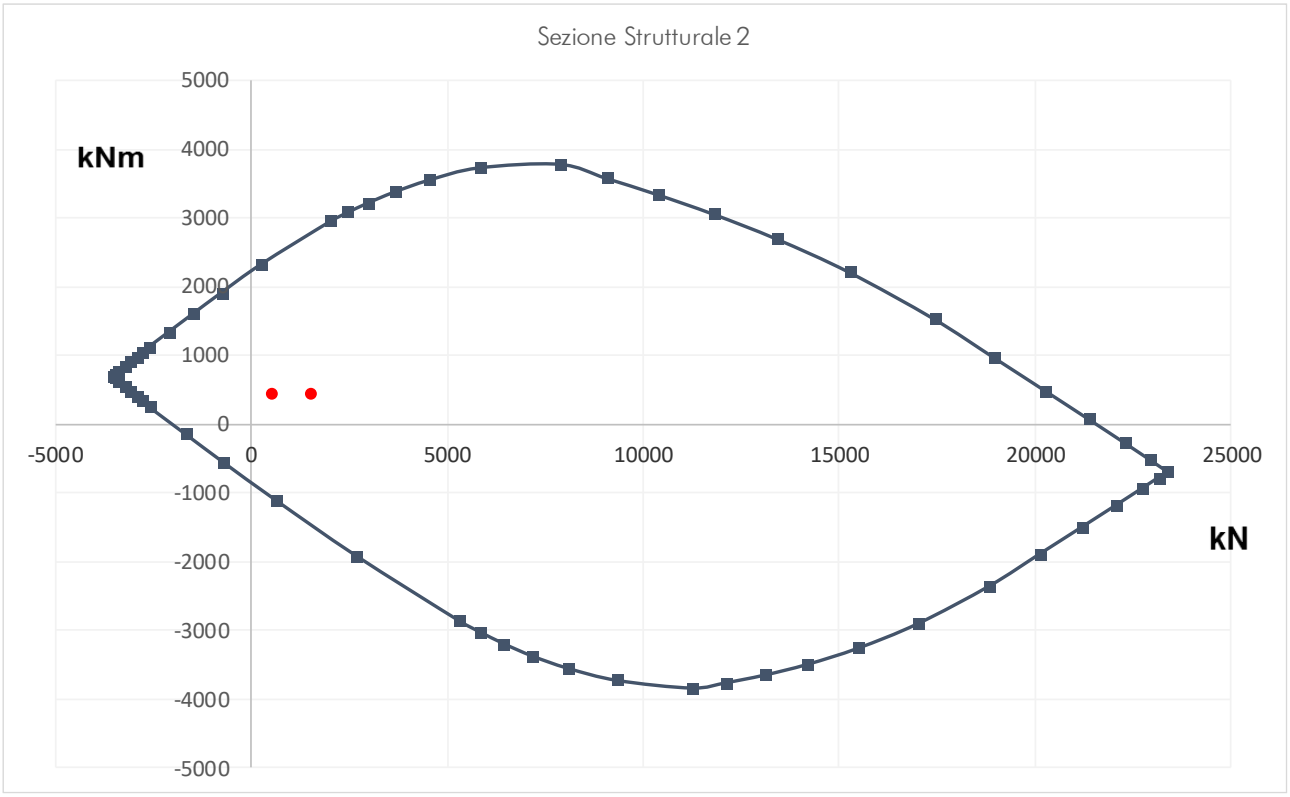

Sezione Strutturale 5
kNm
3000
2000
1000
0
-1000
-2000
-3000
-5000
0
5000
10000
15000
20000
25000
kN

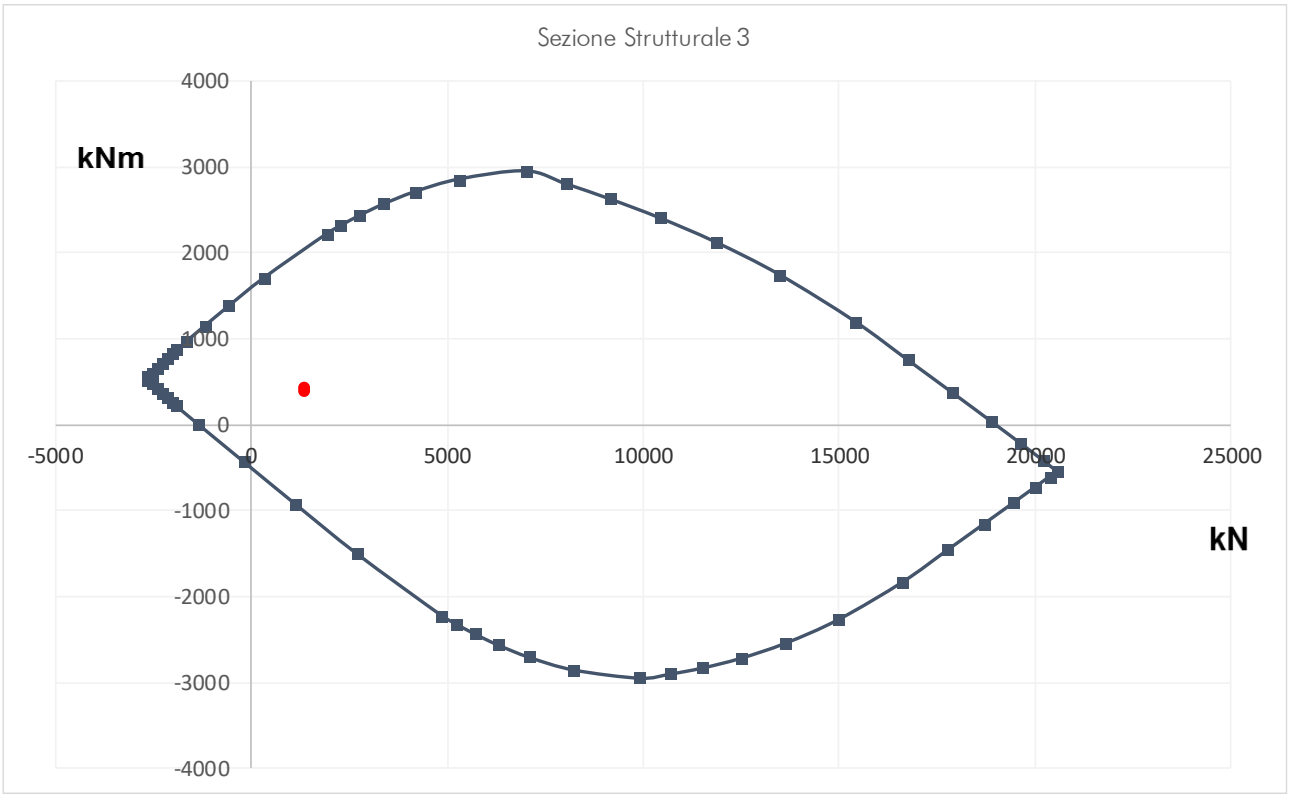
10.1.2 Artificiale tra pali – SLU/SLV

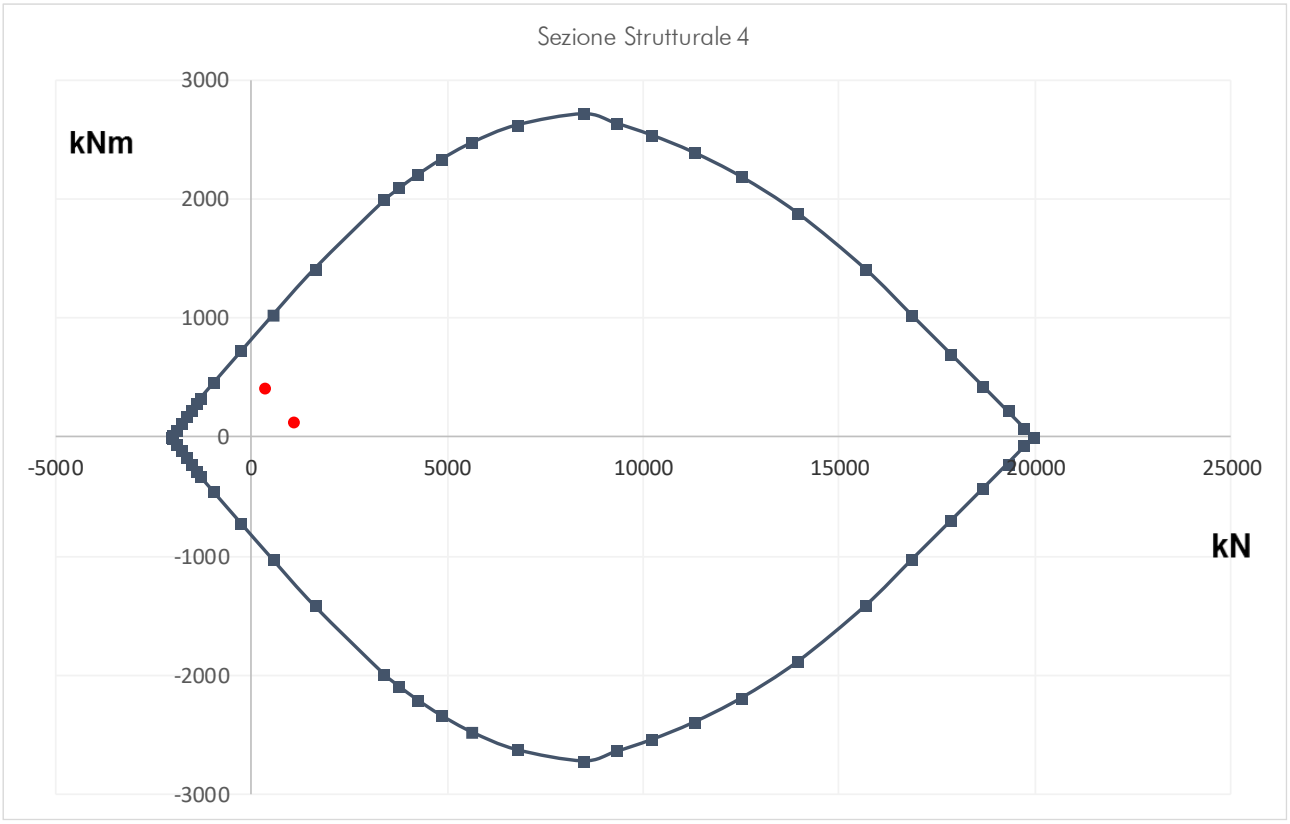
RIVESTIMENTO DEFINITIVO

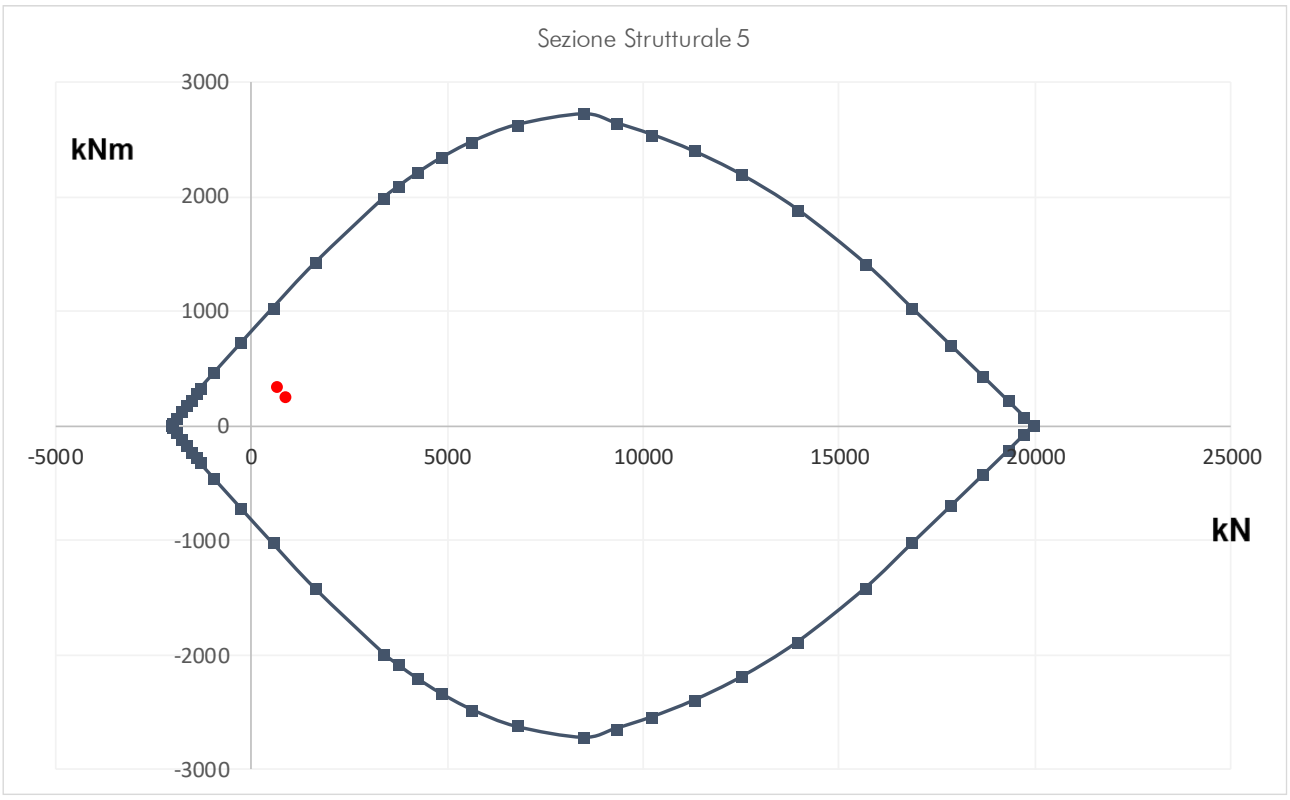
Si riportano di seguito i domini di resistenza del rivestimento definitivo e le verifiche a pressoflessione.




Sezione Strutturale 2
kNm
kN
5000
4000
3000
2000
1000
0
-1000
-2000
-3000
-4000
-5000
-5000
0
5000
10000
15000
20000
25000


Sezione Strutturale 3
kNm
kN
4000
3000
2000
1000
0
-1000
-2000
-3000
-4000
-5000
0
5000
10000
15000
20000
25000


Sezione Strutturale 4
kNm
3000
2000
1000
0
-1000
-2000
-3000
-5000
0
5000
10000
15000
20000
25000
kN


Sezione Strutturale 5
kNm
3000
2000
1000
0
-1000
-2000
-3000
-5000
0
5000
10000
15000
20000
25000
kN

PROTESI IN CALCESTRUZZO ARMATO

Si riporta di seguito la verifica a pressoflessione della protesi/puntone. Lo spessore è pari a 1.3 m.

Verifica Protesi - SLU			
Sezione	Verifica a flessione		
	$M_{Ed,max}$	M_{Rd}	Coefficiente Sicurezza
[-]	[kN/m]	[kN/m]	[-]
Protesi	845	1000	1.18

PALI IN CALCESTRUZZO ARMATO – SEZIONE DI TESTA

Si riporta di seguito la verifica a pressoflessione dei pali.

Verifica Pali - SLU			
Sezione	Verifica a flessione		
	$M_{Ed,max}$	M_{Rd}	Coefficiente Sicurezza
[-]	[kN/m]	[kN/m]	[-]
Testa Palo	650	2200	3.38

10.2 VERIFICHE A TAGLIO SLU/SLV

Per la verifica di resistenza allo SLU con riferimento alle sollecitazioni taglianti deve risultare:

$$V_{Rd} > V_{Ed}$$

Nel caso in esame, dunque, il taglio V_{Ed} è pari ai massimi valori del taglio sollecitante derivante dall'analisi per i vari elementi strutturali. Per tutti gli elementi strutturali il massimo taglio si riscontra in corrispondenza della sezione di attacco tra l'elemento stesso e quello ad esso ortogonale.

[NTC – 4.1.2.1.3.1] La resistenza a taglio in assenza di armatura specifica risulta pari a:

$$V_{Rd} = \left\{0{,}18 \cdot k \cdot (100 \cdot \rho_1 \cdot f_{ck})^{1/3} / \gamma_c + 0{,}15 \cdot \sigma_{cp}\right\} \cdot b_w \cdot d \geq (v_{min} + 0{,}15 \cdot \sigma_{cp}) \cdot b_w d$$

dove:

$k = 1 + (200/d)^{1/2} \leq 2$
$v_{min} = 0{,}035 k^{3/2} f_{ck}^{1/2}$

d	è l'altezza utile della sezione (in mm);
$\rho_1 = A_{sl}/(b_w \cdot d)$	è il rapporto geometrico di armatura longitudinale ($\leq 0{,}02$);
$\sigma_{cp} = N_{Ed}/A_c$	è la tensione media di compressione nella sezione ($\leq 0{,}2\ f_{cd}$);
b_w	è la larghezza minima della sezione(in mm).

Nel nel caso di utilizzo di armature a taglio si fa riferimento al 4.1.2.1.3.2 delle norme NTC2008. La resistenza a taglio dell'elemento in calcestruzzo armato è fornita dal minimo tra i valori V_{Rcd} e V_{Rsd}:

$$V_{Rsd} = 0{,}9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\mathrm{ctg}\alpha + \mathrm{ctg}\theta) \cdot \sin\alpha$$

$$V_{Rcd} = 0{,}9 \cdot d \cdot b_w \cdot \alpha_c \cdot f'_{cd} \cdot (\mathrm{ctg}\alpha + \mathrm{ctg}\theta)/(1 + \mathrm{ctg}^2\theta)$$

VERIFICA RIVESTIMENTO DEFINITIVO

Nel caso in esame le resistenze a taglio sono state calcolate con lo sforzo normale minimo. Per lo SLU si è considerato il taglio massimo risultante dalla condizione con e senza frana. Le verifiche risultano essere soddisfatte, come riportato nelle seguenti tabelle:

Sollecitazioni Rivestimento Definitivo			SLU	SLV	Verifica	
Sezione	Sezione strutturale	s	T_{Ed}	T_{Ed}	T_{Rd}	Coefficiente di sicurezza
[-]	[-]	[m]	[kN/m]	[kN/m]	[kN/m]	[-]
Artificiale	1	1.00	299	270	796	2.66
	2	1.00	91	80	490	5.38
	3	0.90	156	350	710	2.03
	4	0.90	39	120	480	4.00
	5	0.90	26	160	480	3.00
Artificiale tra pali	1	1.00	273	200	796	2.92
	2	1.00	91	150	490	3.27
	3	0.90	130	260	710	2.73
	4	0.90	104	125	480	3.84
	5	0.90	39	110	480	4.36

VERIFICA PALI

Per la verifica a taglio del palo in fase di scavo, si condidera un spirale ϕ14/15 cm. Pertanto si ha:

Verifica Pali - SLU		
Verifica a taglio		
$T_{Ed,max}$	T_{Rd}	Coefficiente Sicurezza
[kN/m]	[kN/m]	[-]
390	1500	3.85

VERIFICA PROTESI

Per la verifica a taglio della protesi in fase di scavo si ha:

Verifica Protesi - SLU		
Verifica a taglio		
$T_{Ed,max}$	T_{Rd}	Coefficiente Sicurezza
[kN/m]	[kN/m]	[-]
520	770	1.48

10.3 VERIFICHE SLE

Si riportano di seguito le verifiche agli stati limite di esercizio. Al punto 4.1.2.2 delle NTC sono contemplate le verifiche delle prestazioni che la struttura deve essere in grado di garantire in esercizio sotto l'azione dei carichi di esecizio. Esse sono inoltre ampliamente descritte nella Circolare Applicativa nei diversi approcci rigorosi e semplificati. In particolare, sono da effettuarsi verifiche di:

- verifiche di fessurazione;
- verifica di limitazione delle tensioni in esercizio.

10.3.1 Verifiche di fessurazione

I limiti di apertura delle fessure da verificare sono:

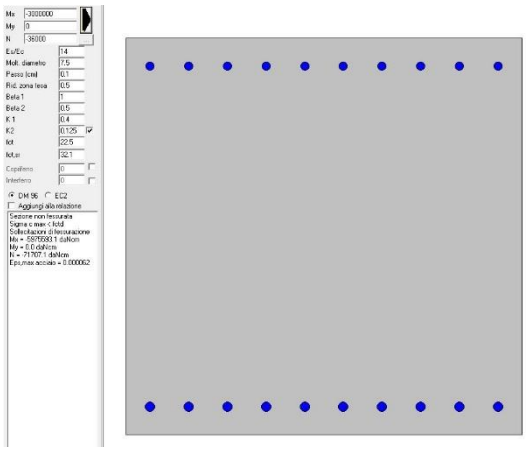
- combinazione frequente: $w_2 = 0.3$ mm
- combinazione quasi permanente: $w_1 = 0.2$ mm

Si riportano diseguito le verifiche di apertura delle fessure per i rivestimenti definitivi, per i casi più gravosi delle sezioni calcolate "artifciale in scavo" e "artificiale tra pali".

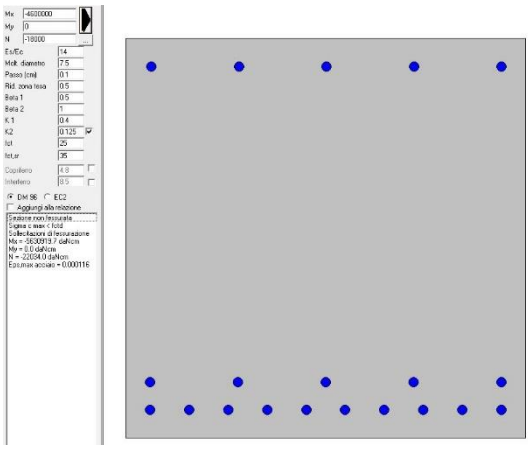
VERIFICA SEZIONE ARTIFICIALE IN SCAVO

Nel seguito vengono riportate le verifiche di apertura delle fessure per le sezioni strutturali analizzate indicando il valore dell'apertura delle fessure wk. Il limite adottato è pari a 0.2 mm.

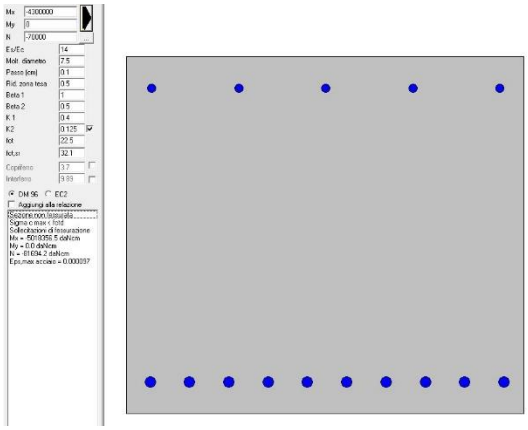
Sezione 1 - SLE
w_k = 0.00 mm



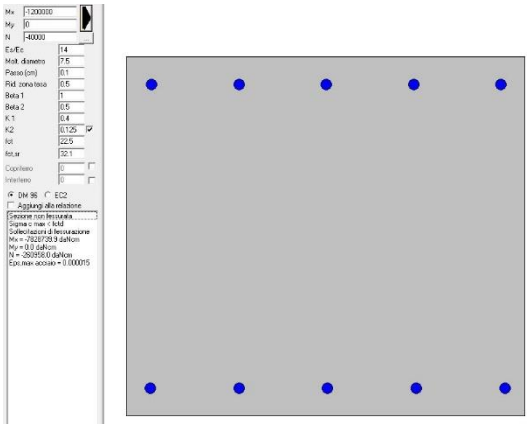
Sezione 2 - SLE
w_k = 0.00 mm



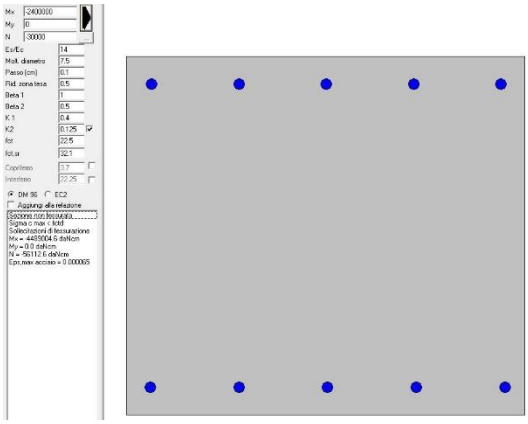
Sezione 3 - SLE
w_k = 0.00 mm



Sezione 4 - SLE
w_k = 0.00 mm



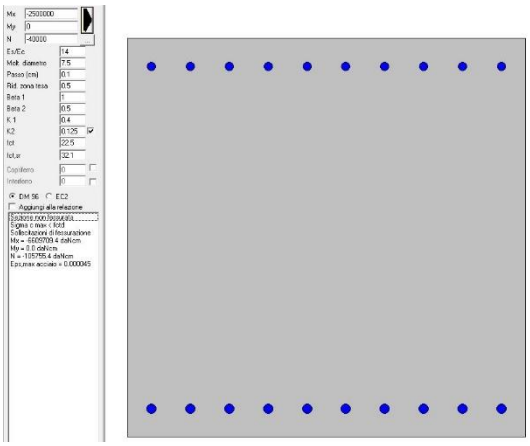
Sezione 5 - SLE
w_k = 0.00 mm



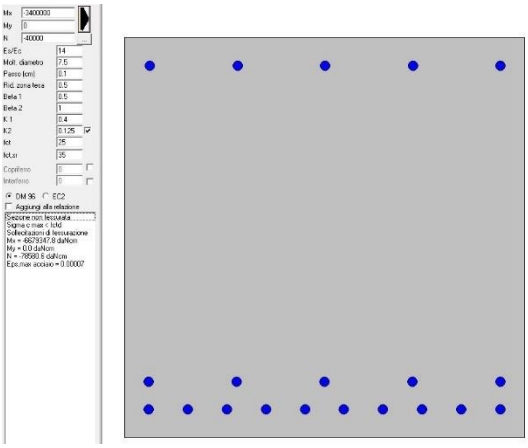
VERIFICA SEZIONE ARTICIFICIALI TRA PALI

Nel seguito vengono riportate le verifiche di apertura delle fessure per le sezioni strutturali analizzate indicando il valore dell'apertura delle fessure wk. Il limite adottato è pari a 0.2 mm.

Sezione 1 - SLE
w_k = 0.00 mm



Sezione 2 - SLE
w_k = 0.00 mm



Sezione 3 - SLE
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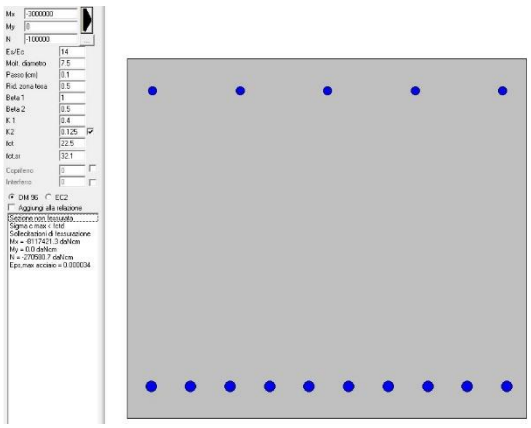

Sezione 4 - SLE
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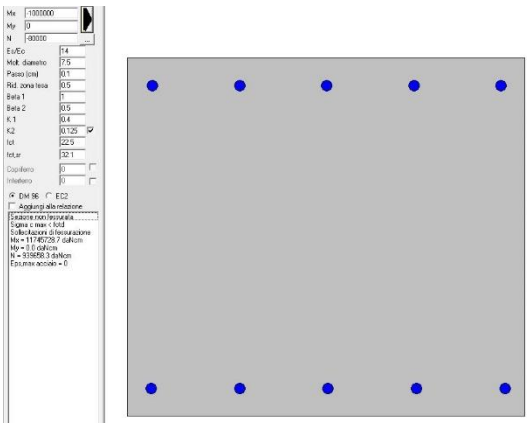
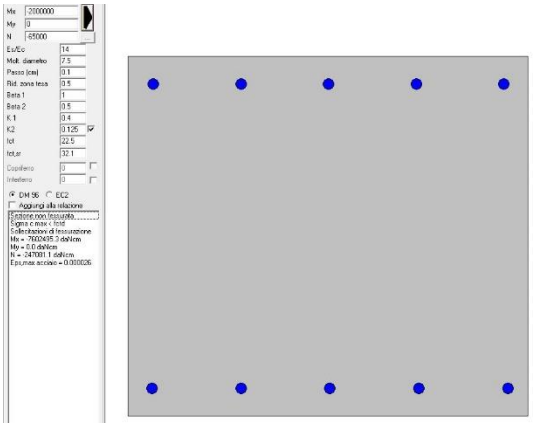


Sezione 5 - SLE
w_k = 0.00 mm



10.3.2 Verifiche tensioni in esercizio

E' stata effettuata una verifica di limitazione delle tensioni agenti in esercizio nel calcestruzzo compresso e nelle barre di armatura. La combinazione di carico considerata è quella quasi permanente. La verifica è stata effettuata in campo elastico. Occorre verificare che:

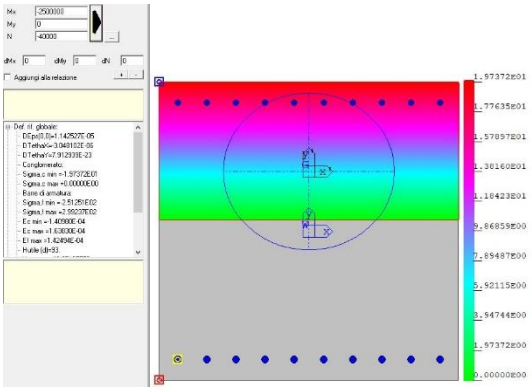
$\sigma c \leq 0.60\ fck = 19.2$ MPa — per combinazione rara (caratteristica);

$\sigma c \leq 0.45\ fck = 14.4$ MPa — per combinazione quasi permanente;

$\sigma s \leq 0.80\ fyk = 360$ MPa — per combinazione rara (caratteristica).

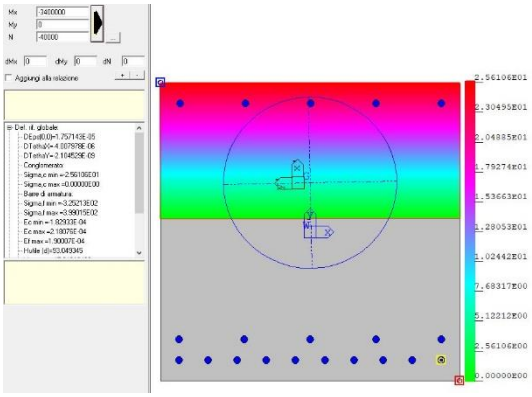
VERIFICA SEZIONE ARTIFICIALE IN SCAVO

SLE
σ_c = -2.0 MPa
σ_s = 29 MPa



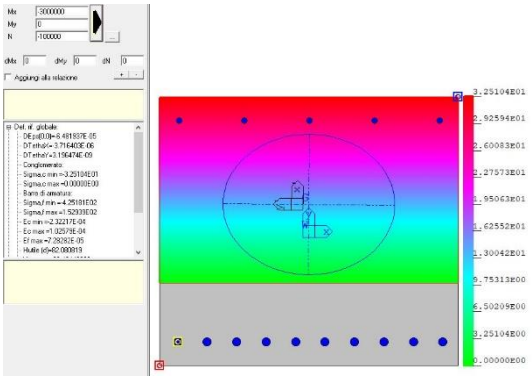
Sezione strutturale 1

SLE
σ_c = -2.5 MPa
σ_s = 40 MPa



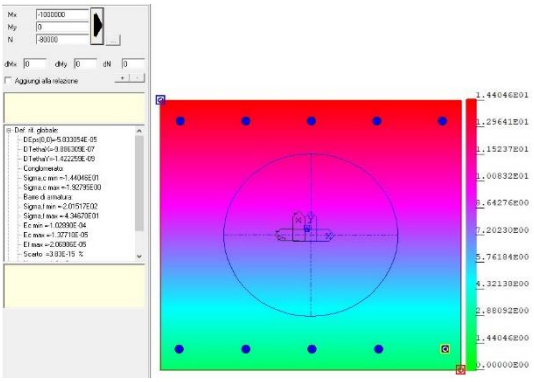
Sezione strutturale 2

SLE
σ_c = -3.3 MPa
σ_s = 152 MPa



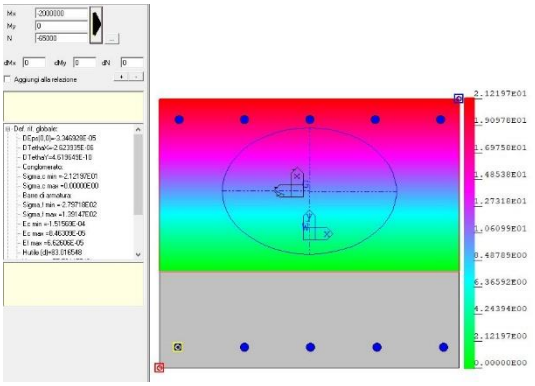
Sezione strutturale 3

SLE
σ_c = -1.4 MPa
σ_s = 43 MPa



Sezione strutturale 4

SLE
σ_c = -2.1 MPa
σ_s = 139 MPa

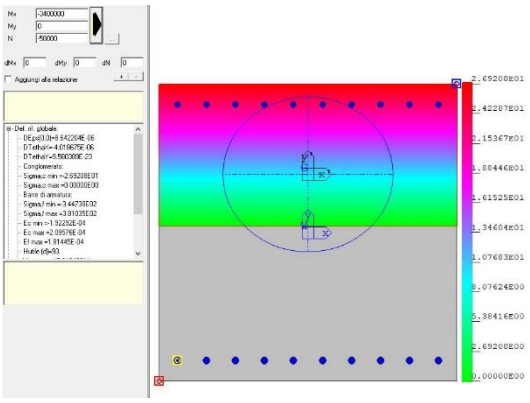


Sezione strutturale 5

Tutti i limiti tensionali sono soddisfatti.

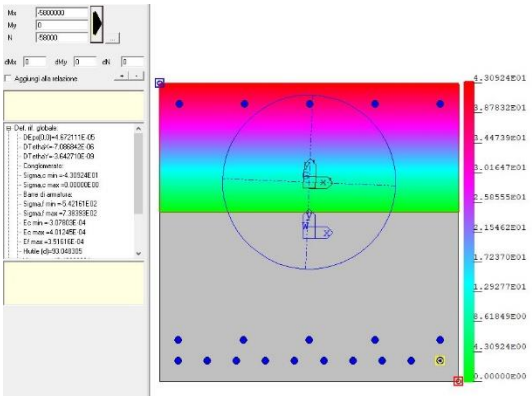
VERIFICA SEZIONE ARTIFICIALE TRA PALI

SLE
σ_c = -2.7 MPa
σ_s = 38 MPa



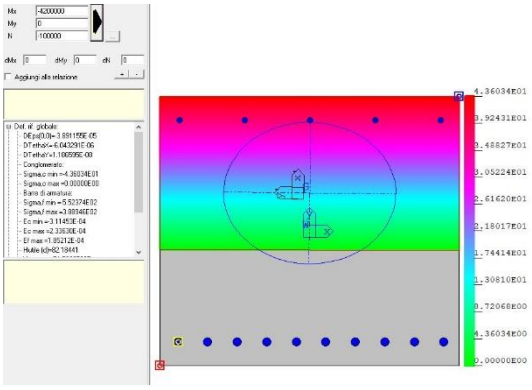
Sezione strutturale 1

SLE
σ_c = -4.3 MPa
σ_s = 74 MPa



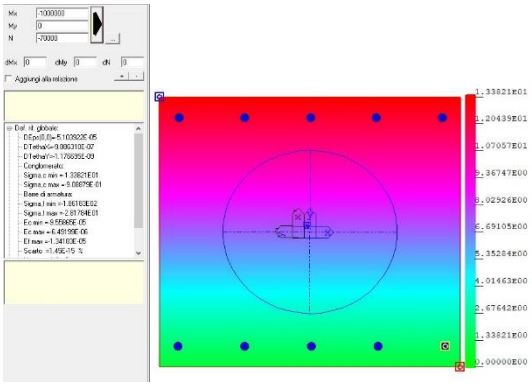
Sezione strutturale 2

SLE
σ_c = -4.4 MPa
σ_s = 55 MPa



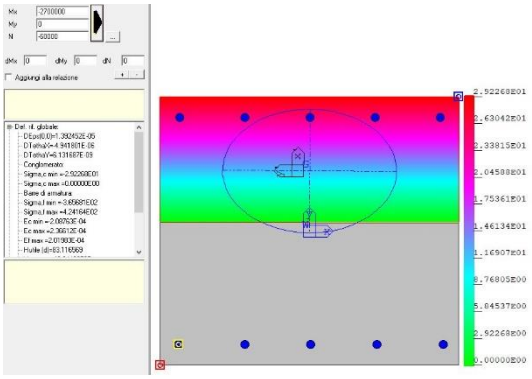
Sezione strutturale 3

SLE
σ_c = -0.9 MPa
σ_s = 28 MPa



Sezione strutturale 4

SLE
σ_c = -2.9 MPa
σ_s = 43 MPa



Sezione strutturale 5

Tutti i limiti tensionali sono soddisfatti.

11. ALLEGATO A – TABULATI SOFTWARE DI CALCOLO

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NODL, 142329, 45, 17.483, 0, 1, -108073, 0, 0, 0, 0, 0
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NODL, 150869, -45, 15.917, 0, 1, 140684, 0, 0, 0, 0, 0
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NODL, 150871, -45, 16.917, 0, 1, 132882, 0, 0, 0, 0, 0

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LDSET, 1, Analisi 1-Scavo superficiale 1:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 120570, 183332, 0, 0, 0, 0
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NODL, 138961, -45, 0.9917, 0, 1, 235091, 0, 0, 0, 0, 0
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NODL, 138965, -45, 2.9751, 0, 1, 219732, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 215909, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 212092, 0, 0, 0, 0, 0
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NODL, 138970, -45, 5.45435, 0, 1, 200681, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 196891, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 193109, 0, 0, 0, 0, 0
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NODL, 146662, 45, 15.483, 0, 1, -130636, 0, 0, 0, 0, 0
NODL, 146663, 45, 14.983, 0, 1, -134269, 0, 0, 0, 0, 0
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NODL, 146665, 45, 13.983, 0, 1, -141588, 0, 0, 0, 0, 0
NODL, 146666, 45, 13.483, 0, 1, -145270, 0, 0, 0, 0, 0
NODL, 146667, 45, 12.983, 0, 1, -148965, 0, 0, 0, 0, 0
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NODL, 147898, -45, 35.917, 0, 1, 4156.49, 0, 0, 0, 0, 0
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NODL, 148232, -45, 26.417, 0, 1, 54824.8, 0, 0, 0, 0, 0
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NODL, 148950, -45, 31.417, 0, 1, 27362.5, 0, 0, 0, 0, 0
NODL, 148951, -45, 31.917, 0, 1, 24733.2, 0, 0, 0, 0, 0
NODL, 148952, -45, 32.417, 0, 1, 22113.1, 0, 0, 0, 0, 0
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NODL, 148955, -45, 33.917, 0, 1, 14332.1, 0, 0, 0, 0, 0
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NODL, 150877, -45, 19.917, 0, 1, 94234.4, 0, 0, 0, 0, 0

LDSET, 1, Analisi 1-Pali+Protesi:INCR=10 (LOAD=1.000), Reactions-All, 0
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NODL, 138961, -45, 0.9917, 0, 1, 241428, 0, 0, 0, 0, 0
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NODL, 138963, -45, 1.9834, 0, 1, 233689, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 229816, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 225943, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 222069, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 218193, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 214316, 0, 0, 0, 0, 0
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NODL, 139058, 6, 0, 0, 1, 0, 350091, 0, 0, 0, 0
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NODL, 139158, -44, 0, 0, 1, 0, 365538, 0, 0, 0, 0
NODL, 139159, -44.5, 0, 0, 1, 0, 365561, 0, 0, 0, 0
NODL, 139160, 45, 6.983, 0, 1, -199306, 0, 0, 0, 0, 0
NODL, 139161, 45, 6.48421, 0, 1, -202980, 0, 0, 0, 0, 0
NODL, 139162, 45, 5.98543, 0, 1, -206895, 0, 0, 0, 0, 0
NODL, 139163, 45, 5.48664, 0, 1, -210818, 0, 0, 0, 0, 0
NODL, 139164, 45, 4.98785, 0, 1, -214737, 0, 0, 0, 0, 0
NODL, 139165, 45, 4.48907, 0, 1, -218656, 0, 0, 0, 0, 0
NODL, 139166, 45, 3.99028, 0, 1, -222573, 0, 0, 0, 0, 0
NODL, 139167, 45, 3.4915, 0, 1, -226491, 0, 0, 0, 0, 0
NODL, 139168, 45, 2.99271, 0, 1, -230410, 0, 0, 0, 0, 0
NODL, 139169, 45, 2.49393, 0, 1, -234328, 0, 0, 0, 0, 0

NODL, 139170, 45, 1.99514, 0, 1, -238244, 0, 0, 0, 0, 0
NODL, 139171, 45, 1.49636, 0, 1, -242159, 0, 0, 0, 0, 0
NODL, 139172, 45, 0.997571, 0, 1, -246074, 0, 0, 0, 0, 0
NODL, 139173, 45, 0.498785, 0, 1, -249986, 0, 0, 0, 0, 0
NODL, 142253, 45, 22.983, 0, 1, -64182.4, 0, 0, 0, 0, 0
NODL, 142329, 45, 17.483, 0, 1, -111893, 0, 0, 0, 0, 0
NODL, 142336, 45, 22.483, 0, 1, -65568.3, 0, 0, 0, 0, 0
NODL, 142337, 45, 21.983, 0, 1, -69551.8, 0, 0, 0, 0, 0
NODL, 142338, 45, 21.483, 0, 1, -73482.5, 0, 0, 0, 0, 0
NODL, 142339, 45, 20.983, 0, 1, -77415, 0, 0, 0, 0, 0
NODL, 142340, 45, 20.483, 0, 1, -81354.7, 0, 0, 0, 0, 0
NODL, 142341, 45, 19.983, 0, 1, -85305.9, 0, 0, 0, 0, 0
NODL, 142342, 45, 19.483, 0, 1, -89273.7, 0, 0, 0, 0, 0
NODL, 142343, 45, 18.983, 0, 1, -93265.4, 0, 0, 0, 0, 0
NODL, 142344, 45, 18.483, 0, 1, -97293.3, 0, 0, 0, 0, 0
NODL, 142345, 45, 17.983, 0, 1, -101434, 0, 0, 0, 0, 0
NODL, 143090, -45, 25.917, 0, 1, 47333.8, 0, 0, 0, 0, 0
NODL, 143171, -45, 20.417, 0, 1, 81771.7, 0, 0, 0, 0, 0
NODL, 143172, -45, 20.917, 0, 1, 69569.5, 0, 0, 0, 0, 0
NODL, 143173, -45, 21.417, 0, 1, 66131.4, 0, 0, 0, 0, 0
NODL, 143174, -45, 21.917, 0, 1, 62562.1, 0, 0, 0, 0, 0
NODL, 143175, -45, 22.417, 0, 1, 58970.8, 0, 0, 0, 0, 0
NODL, 143176, -45, 22.917, 0, 1, 55376.3, 0, 0, 0, 0, 0
NODL, 143177, -45, 23.417, 0, 1, 51792.9, 0, 0, 0, 0, 0
NODL, 143178, -45, 23.917, 0, 1, 48232.8, 0, 0, 0, 0, 0
NODL, 143179, -45, 24.417, 0, 1, 44711.9, 0, 0, 0, 0, 0
NODL, 143180, -45, 24.917, 0, 1, 41329.8, 0, 0, 0, 0, 0
NODL, 143181, -45, 25.417, 0, 1, 39105.3, 0, 0, 0, 0, 0
NODL, 144106, 45, 11.983, 0, 1, -160249, 0, 0, 0, 0, 0
NODL, 144107, -45, 14.917, 0, 1, 133895, 0, 0, 0, 0, 0
NODL, 144185, -45, 10.417, 0, 1, 169158, 0, 0, 0, 0, 0
NODL, 144186, -45, 10.917, 0, 1, 165226, 0, 0, 0, 0, 0
NODL, 144187, -45, 11.417, 0, 1, 161301, 0, 0, 0, 0, 0
NODL, 144188, -45, 11.917, 0, 1, 157377, 0, 0, 0, 0, 0
NODL, 144189, -45, 12.417, 0, 1, 153453, 0, 0, 0, 0, 0
NODL, 144190, -45, 12.917, 0, 1, 149532, 0, 0, 0, 0, 0
NODL, 144191, -45, 13.417, 0, 1, 145614, 0, 0, 0, 0, 0
NODL, 144192, -45, 13.917, 0, 1, 141702, 0, 0, 0, 0, 0
NODL, 144193, -45, 14.417, 0, 1, 137796, 0, 0, 0, 0, 0
NODL, 144198, 45, 11.483, 0, 1, -164161, 0, 0, 0, 0, 0
NODL, 144199, 45, 10.983, 0, 1, -168078, 0, 0, 0, 0, 0
NODL, 144200, 45, 10.483, 0, 1, -172002, 0, 0, 0, 0, 0
NODL, 144201, 45, 9.983, 0, 1, -175924, 0, 0, 0, 0, 0
NODL, 144202, 45, 9.483, 0, 1, -179850, 0, 0, 0, 0, 0
NODL, 144203, 45, 8.983, 0, 1, -183789, 0, 0, 0, 0, 0
NODL, 144204, 45, 8.483, 0, 1, -187725, 0, 0, 0, 0, 0
NODL, 144205, 45, 7.983, 0, 1, -191666, 0, 0, 0, 0, 0
NODL, 144206, 45, 7.483, 0, 1, -195605, 0, 0, 0, 0, 0
NODL, 145918, 45, 27.983, 0, 1, -35813.8, 0, 0, 0, 0, 0
NODL, 145919, 45, 27.483, 0, 1, -38494.2, 0, 0, 0, 0, 0
NODL, 145920, 45, 26.983, 0, 1, -41179.7, 0, 0, 0, 0, 0
NODL, 145921, 45, 26.483, 0, 1, -43858.4, 0, 0, 0, 0, 0
NODL, 145922, 45, 25.983, 0, 1, -46528.7, 0, 0, 0, 0, 0

NODL, 145923, 45, 25.483, 0, 1, -49196.3, 0, 0, 0, 0, 0
NODL, 145924, 45, 24.983, 0, 1, -52029.1, 0, 0, 0, 0, 0
NODL, 145925, 45, 24.483, 0, 1, -55709.1, 0, 0, 0, 0, 0
NODL, 145926, 45, 23.983, 0, 1, -59495.6, 0, 0, 0, 0, 0
NODL, 145927, 45, 23.483, 0, 1, -63164.1, 0, 0, 0, 0, 0
NODL, 146659, 45, 16.983, 0, 1, -121673, 0, 0, 0, 0, 0
NODL, 146660, 45, 16.483, 0, 1, -125380, 0, 0, 0, 0, 0
NODL, 146661, 45, 15.983, 0, 1, -129188, 0, 0, 0, 0, 0
NODL, 146662, 45, 15.483, 0, 1, -133026, 0, 0, 0, 0, 0
NODL, 146663, 45, 14.983, 0, 1, -136883, 0, 0, 0, 0, 0
NODL, 146664, 45, 14.483, 0, 1, -140754, 0, 0, 0, 0, 0
NODL, 146665, 45, 13.983, 0, 1, -144637, 0, 0, 0, 0, 0
NODL, 146666, 45, 13.483, 0, 1, -148528, 0, 0, 0, 0, 0
NODL, 146667, 45, 12.983, 0, 1, -152426, 0, 0, 0, 0, 0
NODL, 146668, 45, 12.483, 0, 1, -156333, 0, 0, 0, 0, 0
NODL, 147840, -45, 36.917, 0, 1, -721.71, 0, 0, 0, 0, 0
NODL, 147897, -45, 35.417, 0, 1, 4596.75, 0, 0, 0, 0, 0
NODL, 147898, -45, 35.917, 0, 1, 2067.76, 0, 0, 0, 0, 0
NODL, 147899, -45, 36.417, 0, 1, -374.978, 0, 0, 0, 0, 0
NODL, 148232, -45, 26.417, 0, 1, 54135.3, 0, 0, 0, 0, 0
NODL, 148233, -45, 26.917, 0, 1, 51039.1, 0, 0, 0, 0, 0
NODL, 148234, -45, 27.417, 0, 1, 48127.9, 0, 0, 0, 0, 0
NODL, 148235, -45, 27.917, 0, 1, 45270.2, 0, 0, 0, 0, 0
NODL, 148236, -45, 28.417, 0, 1, 42434.8, 0, 0, 0, 0, 0
NODL, 148237, -45, 28.917, 0, 1, 39626.5, 0, 0, 0, 0, 0
NODL, 148238, -45, 29.417, 0, 1, 36833.6, 0, 0, 0, 0, 0
NODL, 148239, -45, 29.917, 0, 1, 34064.1, 0, 0, 0, 0, 0
NODL, 148240, -45, 30.417, 0, 1, 31309.9, 0, 0, 0, 0, 0
NODL, 148241, -45, 30.917, 0, 1, 28560.5, 0, 0, 0, 0, 0
NODL, 148950, -45, 31.417, 0, 1, 25845.5, 0, 0, 0, 0, 0
NODL, 148951, -45, 31.917, 0, 1, 23140.4, 0, 0, 0, 0, 0
NODL, 148952, -45, 32.417, 0, 1, 20446.1, 0, 0, 0, 0, 0
NODL, 148953, -45, 32.917, 0, 1, 17772.8, 0, 0, 0, 0, 0
NODL, 148954, -45, 33.417, 0, 1, 15101.7, 0, 0, 0, 0, 0
NODL, 148955, -45, 33.917, 0, 1, 12455.2, 0, 0, 0, 0, 0
NODL, 148956, -45, 34.417, 0, 1, 9812.34, 0, 0, 0, 0, 0
NODL, 148957, -45, 34.917, 0, 1, 7194.26, 0, 0, 0, 0, 0
NODL, 149444, 45, 32.483, 0, 1, -11372.8, 0, 0, 0, 0, 0
NODL, 149445, 45, 31.983, 0, 1, -14102, 0, 0, 0, 0, 0
NODL, 149446, 45, 31.483, 0, 1, -16831, 0, 0, 0, 0, 0
NODL, 149447, 45, 30.983, 0, 1, -19548.5, 0, 0, 0, 0, 0
NODL, 149448, 45, 30.483, 0, 1, -22260.1, 0, 0, 0, 0, 0
NODL, 149449, 45, 29.983, 0, 1, -24978.9, 0, 0, 0, 0, 0
NODL, 149450, 45, 29.483, 0, 1, -27698.2, 0, 0, 0, 0, 0
NODL, 149451, 45, 28.983, 0, 1, -30398.6, 0, 0, 0, 0, 0
NODL, 149452, 45, 28.483, 0, 1, -33106.7, 0, 0, 0, 0, 0
NODL, 150361, 45, 33.983, 0, 1, -2294.84, 0, 0, 0, 0, 0
NODL, 150362, 45, 33.483, 0, 1, -5875.23, 0, 0, 0, 0, 0
NODL, 150363, 45, 32.983, 0, 1, -8615.55, 0, 0, 0, 0, 0
NODL, 150868, -45, 15.417, 0, 1, 130006, 0, 0, 0, 0, 0
NODL, 150869, -45, 15.917, 0, 1, 126119, 0, 0, 0, 0, 0
NODL, 150870, -45, 16.417, 0, 1, 122235, 0, 0, 0, 0, 0
NODL, 150871, -45, 16.917, 0, 1, 118357, 0, 0, 0, 0, 0

NODL, 150872, -45, 17.417, 0, 1, 114483, 0, 0, 0, 0, 0
NODL, 150873, -45, 17.917, 0, 1, 110611, 0, 0, 0, 0, 0
NODL, 150874, -45, 18.417, 0, 1, 106739, 0, 0, 0, 0, 0
NODL, 150875, -45, 18.917, 0, 1, 102858, 0, 0, 0, 0, 0
NODL, 150876, -45, 19.417, 0, 1, 98957, 0, 0, 0, 0, 0
NODL, 150877, -45, 19.917, 0, 1, 94941.3, 0, 0, 0, 0, 0

LDSET, 1, Analisi 1-Ritombamento:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 128312, 183930, 0, 0, 0, 0
NODL, 138960, -45, 0.49585, 0, 1, 254423, 0, 0, 0, 0, 0
NODL, 138961, -45, 0.9917, 0, 1, 250548, 0, 0, 0, 0, 0
NODL, 138962, -45, 1.48755, 0, 1, 246667, 0, 0, 0, 0, 0
NODL, 138963, -45, 1.9834, 0, 1, 242777, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 238881, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 234978, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 231069, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 227153, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 223230, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 219300, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 215364, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 211421, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 207473, 0, 0, 0, 0, 0
NODL, 138973, -45, 6.9419, 0, 1, 203518, 0, 0, 0, 0, 0
NODL, 138974, -45, 7.43775, 0, 1, 199556, 0, 0, 0, 0, 0
NODL, 138975, -45, 7.9336, 0, 1, 195590, 0, 0, 0, 0, 0
NODL, 138976, -45, 8.42945, 0, 1, 191618, 0, 0, 0, 0, 0
NODL, 138977, -45, 8.9253, 0, 1, 187640, 0, 0, 0, 0, 0
NODL, 138978, -45, 9.42115, 0, 1, 183658, 0, 0, 0, 0, 0
NODL, 138979, -45, 9.917, 0, 1, 180404, 0, 0, 0, 0, 0
NODL, 138980, 45, 0, 0, 1, -130599, 172338, 0, 0, 0, 0
NODL, 138981, 44.5, 0, 0, 1, 0, 344680, 0, 0, 0, 0
NODL, 138982, 44, 0, 0, 1, 0, 344693, 0, 0, 0, 0
NODL, 138983, 43.5, 0, 0, 1, 0, 344715, 0, 0, 0, 0
NODL, 138984, 43, 0, 0, 1, 0, 344746, 0, 0, 0, 0
NODL, 138985, 42.5, 0, 0, 1, 0, 344785, 0, 0, 0, 0
NODL, 138986, 42, 0, 0, 1, 0, 344834, 0, 0, 0, 0
NODL, 138987, 41.5, 0, 0, 1, 0, 344891, 0, 0, 0, 0
NODL, 138988, 41, 0, 0, 1, 0, 344955, 0, 0, 0, 0
NODL, 138989, 40.5, 0, 0, 1, 0, 345029, 0, 0, 0, 0
NODL, 138990, 40, 0, 0, 1, 0, 345111, 0, 0, 0, 0
NODL, 138991, 39.5, 0, 0, 1, 0, 345203, 0, 0, 0, 0
NODL, 138992, 39, 0, 0, 1, 0, 345304, 0, 0, 0, 0
NODL, 138993, 38.5, 0, 0, 1, 0, 345414, 0, 0, 0, 0
NODL, 138994, 38, 0, 0, 1, 0, 345533, 0, 0, 0, 0
NODL, 138995, 37.5, 0, 0, 1, 0, 345660, 0, 0, 0, 0
NODL, 138996, 37, 0, 0, 1, 0, 345795, 0, 0, 0, 0
NODL, 138997, 36.5, 0, 0, 1, 0, 345939, 0, 0, 0, 0
NODL, 138998, 36, 0, 0, 1, 0, 346091, 0, 0, 0, 0
NODL, 138999, 35.5, 0, 0, 1, 0, 346250, 0, 0, 0, 0
NODL, 139000, 35, 0, 0, 1, 0, 346419, 0, 0, 0, 0
NODL, 139001, 34.5, 0, 0, 1, 0, 346598, 0, 0, 0, 0
NODL, 139002, 34, 0, 0, 1, 0, 346787, 0, 0, 0, 0
NODL, 139003, 33.5, 0, 0, 1, 0, 346987, 0, 0, 0, 0
NODL, 139004, 33, 0, 0, 1, 0, 347196, 0, 0, 0, 0
NODL, 139005, 32.5, 0, 0, 1, 0, 347413, 0, 0, 0, 0
NODL, 139006, 32, 0, 0, 1, 0, 347640, 0, 0, 0, 0
NODL, 139007, 31.5, 0, 0, 1, 0, 347876, 0, 0, 0, 0
NODL, 139008, 31, 0, 0, 1, 0, 348123, 0, 0, 0, 0
NODL, 139009, 30.5, 0, 0, 1, 0, 348381, 0, 0, 0, 0
NODL, 139010, 30, 0, 0, 1, 0, 348649, 0, 0, 0, 0

NODL, 139011, 29.5, 0, 0, 1, 0, 348929, 0, 0, 0, 0
NODL, 139012, 29, 0, 0, 1, 0, 349221, 0, 0, 0, 0
NODL, 139013, 28.5, 0, 0, 1, 0, 349526, 0, 0, 0, 0
NODL, 139014, 28, 0, 0, 1, 0, 349843, 0, 0, 0, 0
NODL, 139015, 27.5, 0, 0, 1, 0, 350174, 0, 0, 0, 0
NODL, 139016, 27, 0, 0, 1, 0, 350519, 0, 0, 0, 0
NODL, 139017, 26.5, 0, 0, 1, 0, 350880, 0, 0, 0, 0
NODL, 139018, 26, 0, 0, 1, 0, 351256, 0, 0, 0, 0
NODL, 139019, 25.5, 0, 0, 1, 0, 351650, 0, 0, 0, 0
NODL, 139020, 25, 0, 0, 1, 0, 352061, 0, 0, 0, 0
NODL, 139021, 24.5, 0, 0, 1, 0, 352492, 0, 0, 0, 0
NODL, 139022, 24, 0, 0, 1, 0, 352944, 0, 0, 0, 0
NODL, 139023, 23.5, 0, 0, 1, 0, 353417, 0, 0, 0, 0
NODL, 139024, 23, 0, 0, 1, 0, 353913, 0, 0, 0, 0
NODL, 139025, 22.5, 0, 0, 1, 0, 354434, 0, 0, 0, 0
NODL, 139026, 22, 0, 0, 1, 0, 354981, 0, 0, 0, 0
NODL, 139027, 21.5, 0, 0, 1, 0, 355555, 0, 0, 0, 0
NODL, 139028, 21, 0, 0, 1, 0, 356159, 0, 0, 0, 0
NODL, 139029, 20.5, 0, 0, 1, 0, 356792, 0, 0, 0, 0
NODL, 139030, 20, 0, 0, 1, 0, 357458, 0, 0, 0, 0
NODL, 139031, 19.5, 0, 0, 1, 0, 358157, 0, 0, 0, 0
NODL, 139032, 19, 0, 0, 1, 0, 358893, 0, 0, 0, 0
NODL, 139033, 18.5, 0, 0, 1, 0, 359666, 0, 0, 0, 0
NODL, 139034, 18, 0, 0, 1, 0, 360479, 0, 0, 0, 0
NODL, 139035, 17.5, 0, 0, 1, 0, 361330, 0, 0, 0, 0
NODL, 139036, 17, 0, 0, 1, 0, 362220, 0, 0, 0, 0
NODL, 139037, 16.5, 0, 0, 1, 0, 363149, 0, 0, 0, 0
NODL, 139038, 16, 0, 0, 1, 0, 364115, 0, 0, 0, 0
NODL, 139039, 15.5, 0, 0, 1, 0, 365117, 0, 0, 0, 0
NODL, 139040, 15, 0, 0, 1, 0, 366153, 0, 0, 0, 0
NODL, 139041, 14.5, 0, 0, 1, 0, 367218, 0, 0, 0, 0
NODL, 139042, 14, 0, 0, 1, 0, 368307, 0, 0, 0, 0
NODL, 139043, 13.5, 0, 0, 1, 0, 369413, 0, 0, 0, 0
NODL, 139044, 13, 0, 0, 1, 0, 370529, 0, 0, 0, 0
NODL, 139045, 12.5, 0, 0, 1, 0, 371645, 0, 0, 0, 0
NODL, 139046, 12, 0, 0, 1, 0, 372749, 0, 0, 0, 0
NODL, 139047, 11.5, 0, 0, 1, 0, 373831, 0, 0, 0, 0
NODL, 139048, 11, 0, 0, 1, 0, 374877, 0, 0, 0, 0
NODL, 139049, 10.5, 0, 0, 1, 0, 375875, 0, 0, 0, 0
NODL, 139050, 10, 0, 0, 1, 0, 376810, 0, 0, 0, 0
NODL, 139051, 9.5, 0, 0, 1, 0, 377672, 0, 0, 0, 0
NODL, 139052, 9, 0, 0, 1, 0, 378448, 0, 0, 0, 0
NODL, 139053, 8.5, 0, 0, 1, 0, 379130, 0, 0, 0, 0
NODL, 139054, 8, 0, 0, 1, 0, 379712, 0, 0, 0, 0
NODL, 139055, 7.5, 0, 0, 1, 0, 380190, 0, 0, 0, 0
NODL, 139056, 7, 0, 0, 1, 0, 380563, 0, 0, 0, 0
NODL, 139057, 6.5, 0, 0, 1, 0, 380836, 0, 0, 0, 0
NODL, 139058, 6, 0, 0, 1, 0, 381014, 0, 0, 0, 0
NODL, 139059, 5.5, 0, 0, 1, 0, 381109, 0, 0, 0, 0
NODL, 139060, 5, 0, 0, 1, 0, 381131, 0, 0, 0, 0
NODL, 139061, 4.5, 0, 0, 1, 0, 381096, 0, 0, 0, 0
NODL, 139062, 4, 0, 0, 1, 0, 381021, 0, 0, 0, 0
NODL, 139063, 3.5, 0, 0, 1, 0, 380923, 0, 0, 0, 0

NODL, 139064, 3, 0, 0, 1, 0, 380819, 0, 0, 0, 0
NODL, 139065, 2.5, 0, 0, 1, 0, 380725, 0, 0, 0, 0
NODL, 139066, 2, 0, 0, 1, 0, 380654, 0, 0, 0, 0
NODL, 139067, 1.5, 0, 0, 1, 0, 380619, 0, 0, 0, 0
NODL, 139068, 1, 0, 0, 1, 0, 380630, 0, 0, 0, 0
NODL, 139069, 0.5, 0, 0, 1, 0, 380694, 0, 0, 0, 0
NODL, 139070, 0, 0, 0, 1, 0, 380815, 0, 0, 0, 0
NODL, 139071, -0.5, 0, 0, 1, 0, 380997, 0, 0, 0, 0
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NODL, 139073, -1.5, 0, 0, 1, 0, 381530, 0, 0, 0, 0
NODL, 139074, -2, 0, 0, 1, 0, 381870, 0, 0, 0, 0
NODL, 139075, -2.5, 0, 0, 1, 0, 382246, 0, 0, 0, 0
NODL, 139076, -3, 0, 0, 1, 0, 382645, 0, 0, 0, 0
NODL, 139077, -3.5, 0, 0, 1, 0, 383053, 0, 0, 0, 0
NODL, 139078, -4, 0, 0, 1, 0, 383454, 0, 0, 0, 0
NODL, 139079, -4.5, 0, 0, 1, 0, 383832, 0, 0, 0, 0
NODL, 139080, -5, 0, 0, 1, 0, 384170, 0, 0, 0, 0
NODL, 139081, -5.5, 0, 0, 1, 0, 384452, 0, 0, 0, 0
NODL, 139082, -6, 0, 0, 1, 0, 384663, 0, 0, 0, 0
NODL, 139083, -6.5, 0, 0, 1, 0, 384790, 0, 0, 0, 0
NODL, 139084, -7, 0, 0, 1, 0, 384823, 0, 0, 0, 0
NODL, 139085, -7.5, 0, 0, 1, 0, 384756, 0, 0, 0, 0
NODL, 139086, -8, 0, 0, 1, 0, 384585, 0, 0, 0, 0
NODL, 139087, -8.5, 0, 0, 1, 0, 384310, 0, 0, 0, 0
NODL, 139088, -9, 0, 0, 1, 0, 383935, 0, 0, 0, 0
NODL, 139089, -9.5, 0, 0, 1, 0, 383467, 0, 0, 0, 0
NODL, 139090, -10, 0, 0, 1, 0, 382913, 0, 0, 0, 0
NODL, 139091, -10.5, 0, 0, 1, 0, 382285, 0, 0, 0, 0
NODL, 139092, -11, 0, 0, 1, 0, 381596, 0, 0, 0, 0
NODL, 139093, -11.5, 0, 0, 1, 0, 380859, 0, 0, 0, 0
NODL, 139094, -12, 0, 0, 1, 0, 380087, 0, 0, 0, 0
NODL, 139095, -12.5, 0, 0, 1, 0, 379294, 0, 0, 0, 0
NODL, 139096, -13, 0, 0, 1, 0, 378492, 0, 0, 0, 0
NODL, 139097, -13.5, 0, 0, 1, 0, 377692, 0, 0, 0, 0
NODL, 139098, -14, 0, 0, 1, 0, 376902, 0, 0, 0, 0
NODL, 139099, -14.5, 0, 0, 1, 0, 376130, 0, 0, 0, 0
NODL, 139100, -15, 0, 0, 1, 0, 375384, 0, 0, 0, 0
NODL, 139101, -15.5, 0, 0, 1, 0, 374669, 0, 0, 0, 0
NODL, 139102, -16, 0, 0, 1, 0, 373987, 0, 0, 0, 0
NODL, 139103, -16.5, 0, 0, 1, 0, 373343, 0, 0, 0, 0
NODL, 139104, -17, 0, 0, 1, 0, 372738, 0, 0, 0, 0
NODL, 139105, -17.5, 0, 0, 1, 0, 372172, 0, 0, 0, 0
NODL, 139106, -18, 0, 0, 1, 0, 371646, 0, 0, 0, 0
NODL, 139107, -18.5, 0, 0, 1, 0, 371159, 0, 0, 0, 0
NODL, 139108, -19, 0, 0, 1, 0, 370711, 0, 0, 0, 0
NODL, 139109, -19.5, 0, 0, 1, 0, 370299, 0, 0, 0, 0
NODL, 139110, -20, 0, 0, 1, 0, 369923, 0, 0, 0, 0
NODL, 139111, -20.5, 0, 0, 1, 0, 369580, 0, 0, 0, 0
NODL, 139112, -21, 0, 0, 1, 0, 369270, 0, 0, 0, 0
NODL, 139113, -21.5, 0, 0, 1, 0, 368990, 0, 0, 0, 0
NODL, 139114, -22, 0, 0, 1, 0, 368738, 0, 0, 0, 0
NODL, 139115, -22.5, 0, 0, 1, 0, 368513, 0, 0, 0, 0
NODL, 139116, -23, 0, 0, 1, 0, 368312, 0, 0, 0, 0

NODL, 139117, -23.5, 0, 0, 1, 0, 368134, 0, 0, 0, 0
NODL, 139118, -24, 0, 0, 1, 0, 367976, 0, 0, 0, 0
NODL, 139119, -24.5, 0, 0, 1, 0, 367838, 0, 0, 0, 0
NODL, 139120, -25, 0, 0, 1, 0, 367718, 0, 0, 0, 0
NODL, 139121, -25.5, 0, 0, 1, 0, 367613, 0, 0, 0, 0
NODL, 139122, -26, 0, 0, 1, 0, 367524, 0, 0, 0, 0
NODL, 139123, -26.5, 0, 0, 1, 0, 367448, 0, 0, 0, 0
NODL, 139124, -27, 0, 0, 1, 0, 367385, 0, 0, 0, 0
NODL, 139125, -27.5, 0, 0, 1, 0, 367334, 0, 0, 0, 0
NODL, 139126, -28, 0, 0, 1, 0, 367294, 0, 0, 0, 0
NODL, 139127, -28.5, 0, 0, 1, 0, 367264, 0, 0, 0, 0
NODL, 139128, -29, 0, 0, 1, 0, 367243, 0, 0, 0, 0
NODL, 139129, -29.5, 0, 0, 1, 0, 367230, 0, 0, 0, 0
NODL, 139130, -30, 0, 0, 1, 0, 367224, 0, 0, 0, 0
NODL, 139131, -30.5, 0, 0, 1, 0, 367224, 0, 0, 0, 0
NODL, 139132, -31, 0, 0, 1, 0, 367230, 0, 0, 0, 0
NODL, 139133, -31.5, 0, 0, 1, 0, 367241, 0, 0, 0, 0
NODL, 139134, -32, 0, 0, 1, 0, 367256, 0, 0, 0, 0
NODL, 139135, -32.5, 0, 0, 1, 0, 367275, 0, 0, 0, 0
NODL, 139136, -33, 0, 0, 1, 0, 367297, 0, 0, 0, 0
NODL, 139137, -33.5, 0, 0, 1, 0, 367323, 0, 0, 0, 0
NODL, 139138, -34, 0, 0, 1, 0, 367350, 0, 0, 0, 0
NODL, 139139, -34.5, 0, 0, 1, 0, 367380, 0, 0, 0, 0
NODL, 139140, -35, 0, 0, 1, 0, 367410, 0, 0, 0, 0
NODL, 139141, -35.5, 0, 0, 1, 0, 367442, 0, 0, 0, 0
NODL, 139142, -36, 0, 0, 1, 0, 367475, 0, 0, 0, 0
NODL, 139143, -36.5, 0, 0, 1, 0, 367508, 0, 0, 0, 0
NODL, 139144, -37, 0, 0, 1, 0, 367541, 0, 0, 0, 0
NODL, 139145, -37.5, 0, 0, 1, 0, 367575, 0, 0, 0, 0
NODL, 139146, -38, 0, 0, 1, 0, 367607, 0, 0, 0, 0
NODL, 139147, -38.5, 0, 0, 1, 0, 367638, 0, 0, 0, 0
NODL, 139148, -39, 0, 0, 1, 0, 367668, 0, 0, 0, 0
NODL, 139149, -39.5, 0, 0, 1, 0, 367696, 0, 0, 0, 0
NODL, 139150, -40, 0, 0, 1, 0, 367723, 0, 0, 0, 0
NODL, 139151, -40.5, 0, 0, 1, 0, 367747, 0, 0, 0, 0
NODL, 139152, -41, 0, 0, 1, 0, 367769, 0, 0, 0, 0
NODL, 139153, -41.5, 0, 0, 1, 0, 367788, 0, 0, 0, 0
NODL, 139154, -42, 0, 0, 1, 0, 367806, 0, 0, 0, 0
NODL, 139155, -42.5, 0, 0, 1, 0, 367822, 0, 0, 0, 0
NODL, 139156, -43, 0, 0, 1, 0, 367835, 0, 0, 0, 0
NODL, 139157, -43.5, 0, 0, 1, 0, 367846, 0, 0, 0, 0
NODL, 139158, -44, 0, 0, 1, 0, 367854, 0, 0, 0, 0
NODL, 139159, -44.5, 0, 0, 1, 0, 367859, 0, 0, 0, 0
NODL, 139160, 45, 6.983, 0, 1, -207697, 0, 0, 0, 0, 0
NODL, 139161, 45, 6.48421, 0, 1, -211445, 0, 0, 0, 0, 0
NODL, 139162, 45, 5.98543, 0, 1, -215439, 0, 0, 0, 0, 0
NODL, 139163, 45, 5.48664, 0, 1, -219432, 0, 0, 0, 0, 0
NODL, 139164, 45, 4.98785, 0, 1, -223416, 0, 0, 0, 0, 0
NODL, 139165, 45, 4.48907, 0, 1, -227394, 0, 0, 0, 0, 0
NODL, 139166, 45, 3.99028, 0, 1, -231363, 0, 0, 0, 0, 0
NODL, 139167, 45, 3.4915, 0, 1, -235327, 0, 0, 0, 0, 0
NODL, 139168, 45, 2.99271, 0, 1, -239286, 0, 0, 0, 0, 0
NODL, 139169, 45, 2.49393, 0, 1, -243237, 0, 0, 0, 0, 0

NODL, 139170, 45, 1.99514, 0, 1, -247180, 0, 0, 0, 0, 0
NODL, 139171, 45, 1.49636, 0, 1, -251117, 0, 0, 0, 0, 0
NODL, 139172, 45, 0.997571, 0, 1, -255047, 0, 0, 0, 0, 0
NODL, 139173, 45, 0.498785, 0, 1, -258968, 0, 0, 0, 0, 0
NODL, 142253, 45, 22.983, 0, 1, -65842.4, 0, 0, 0, 0, 0
NODL, 142329, 45, 17.483, 0, 1, -117409, 0, 0, 0, 0, 0
NODL, 142336, 45, 22.483, 0, 1, -68410, 0, 0, 0, 0, 0
NODL, 142337, 45, 21.983, 0, 1, -72718.6, 0, 0, 0, 0, 0
NODL, 142338, 45, 21.483, 0, 1, -76992.4, 0, 0, 0, 0, 0
NODL, 142339, 45, 20.983, 0, 1, -81270.7, 0, 0, 0, 0, 0
NODL, 142340, 45, 20.483, 0, 1, -85555.2, 0, 0, 0, 0, 0
NODL, 142341, 45, 19.983, 0, 1, -89848.1, 0, 0, 0, 0, 0
NODL, 142342, 45, 19.483, 0, 1, -94152.9, 0, 0, 0, 0, 0
NODL, 142343, 45, 18.983, 0, 1, -98475.3, 0, 0, 0, 0, 0
NODL, 142344, 45, 18.483, 0, 1, -102826, 0, 0, 0, 0, 0
NODL, 142345, 45, 17.983, 0, 1, -107273, 0, 0, 0, 0, 0
NODL, 143090, -45, 25.917, 0, 1, 47384.4, 0, 0, 0, 0, 0
NODL, 143171, -45, 20.417, 0, 1, 86065.3, 0, 0, 0, 0, 0
NODL, 143172, -45, 20.917, 0, 1, 73907.4, 0, 0, 0, 0, 0
NODL, 143173, -45, 21.417, 0, 1, 70043.9, 0, 0, 0, 0, 0
NODL, 143174, -45, 21.917, 0, 1, 66048.1, 0, 0, 0, 0, 0
NODL, 143175, -45, 22.417, 0, 1, 62024.8, 0, 0, 0, 0, 0
NODL, 143176, -45, 22.917, 0, 1, 57992.8, 0, 0, 0, 0, 0
NODL, 143177, -45, 23.417, 0, 1, 53966.7, 0, 0, 0, 0, 0
NODL, 143178, -45, 23.917, 0, 1, 49959.4, 0, 0, 0, 0, 0
NODL, 143179, -45, 24.417, 0, 1, 45987.6, 0, 0, 0, 0, 0
NODL, 143180, -45, 24.917, 0, 1, 42152.3, 0, 0, 0, 0, 0
NODL, 143181, -45, 25.417, 0, 1, 39475.5, 0, 0, 0, 0, 0
NODL, 144106, 45, 11.983, 0, 1, -167428, 0, 0, 0, 0, 0
NODL, 144107, -45, 14.917, 0, 1, 140422, 0, 0, 0, 0, 0
NODL, 144185, -45, 10.417, 0, 1, 177120, 0, 0, 0, 0, 0
NODL, 144186, -45, 10.917, 0, 1, 173059, 0, 0, 0, 0, 0
NODL, 144187, -45, 11.417, 0, 1, 168998, 0, 0, 0, 0, 0
NODL, 144188, -45, 11.917, 0, 1, 164931, 0, 0, 0, 0, 0
NODL, 144189, -45, 12.417, 0, 1, 160856, 0, 0, 0, 0, 0
NODL, 144190, -45, 12.917, 0, 1, 156776, 0, 0, 0, 0, 0
NODL, 144191, -45, 13.417, 0, 1, 152691, 0, 0, 0, 0, 0
NODL, 144192, -45, 13.917, 0, 1, 148603, 0, 0, 0, 0, 0
NODL, 144193, -45, 14.417, 0, 1, 144514, 0, 0, 0, 0, 0
NODL, 144198, 45, 11.483, 0, 1, -171495, 0, 0, 0, 0, 0
NODL, 144199, 45, 10.983, 0, 1, -175559, 0, 0, 0, 0, 0
NODL, 144200, 45, 10.483, 0, 1, -179622, 0, 0, 0, 0, 0
NODL, 144201, 45, 9.983, 0, 1, -183676, 0, 0, 0, 0, 0
NODL, 144202, 45, 9.483, 0, 1, -187728, 0, 0, 0, 0, 0
NODL, 144203, 45, 8.983, 0, 1, -191786, 0, 0, 0, 0, 0
NODL, 144204, 45, 8.483, 0, 1, -195833, 0, 0, 0, 0, 0
NODL, 144205, 45, 7.983, 0, 1, -199879, 0, 0, 0, 0, 0
NODL, 144206, 45, 7.483, 0, 1, -203916, 0, 0, 0, 0, 0
NODL, 145918, 45, 27.983, 0, 1, -35806.7, 0, 0, 0, 0, 0
NODL, 145919, 45, 27.483, 0, 1, -38564.2, 0, 0, 0, 0, 0
NODL, 145920, 45, 26.983, 0, 1, -41323.6, 0, 0, 0, 0, 0
NODL, 145921, 45, 26.483, 0, 1, -44073.1, 0, 0, 0, 0, 0
NODL, 145922, 45, 25.983, 0, 1, -46811.3, 0, 0, 0, 0, 0

NODL, 145923, 45, 25.483, 0, 1, -49544.2, 0, 0, 0, 0, 0
NODL, 145924, 45, 24.983, 0, 1, -52439.8, 0, 0, 0, 0, 0
NODL, 145925, 45, 24.483, 0, 1, -56181, 0, 0, 0, 0, 0
NODL, 145926, 45, 23.983, 0, 1, -60027.7, 0, 0, 0, 0, 0
NODL, 145927, 45, 23.483, 0, 1, -63759.5, 0, 0, 0, 0, 0
NODL, 146659, 45, 16.983, 0, 1, -126868, 0, 0, 0, 0, 0
NODL, 146660, 45, 16.483, 0, 1, -130817, 0, 0, 0, 0, 0
NODL, 146661, 45, 15.983, 0, 1, -134852, 0, 0, 0, 0, 0
NODL, 146662, 45, 15.483, 0, 1, -138908, 0, 0, 0, 0, 0
NODL, 146663, 45, 14.983, 0, 1, -142975, 0, 0, 0, 0, 0
NODL, 146664, 45, 14.483, 0, 1, -147047, 0, 0, 0, 0, 0
NODL, 146665, 45, 13.983, 0, 1, -151122, 0, 0, 0, 0, 0
NODL, 146666, 45, 13.483, 0, 1, -155198, 0, 0, 0, 0, 0
NODL, 146667, 45, 12.983, 0, 1, -159274, 0, 0, 0, 0, 0
NODL, 146668, 45, 12.483, 0, 1, -163350, 0, 0, 0, 0, 0
NODL, 147840, -45, 36.917, 0, 1, -1610.08, 0, 0, 0, 0, 0
NODL, 147897, -45, 35.417, 0, 1, 2930.31, 0, 0, 0, 0, 0
NODL, 147898, -45, 35.917, 0, 1, 316.069, 0, 0, 0, 0, 0
NODL, 147899, -45, 36.417, 0, 1, -2180.65, 0, 0, 0, 0, 0
NODL, 148232, -45, 26.417, 0, 1, 54115.6, 0, 0, 0, 0, 0
NODL, 148233, -45, 26.917, 0, 1, 50949.8, 0, 0, 0, 0, 0
NODL, 148234, -45, 27.417, 0, 1, 47966, 0, 0, 0, 0, 0
NODL, 148235, -45, 27.917, 0, 1, 45032.6, 0, 0, 0, 0, 0
NODL, 148236, -45, 28.417, 0, 1, 42118.3, 0, 0, 0, 0, 0
NODL, 148237, -45, 28.917, 0, 1, 39227.6, 0, 0, 0, 0, 0
NODL, 148238, -45, 29.417, 0, 1, 36348.9, 0, 0, 0, 0, 0
NODL, 148239, -45, 29.917, 0, 1, 33490.5, 0, 0, 0, 0, 0
NODL, 148240, -45, 30.417, 0, 1, 30644.3, 0, 0, 0, 0, 0
NODL, 148241, -45, 30.917, 0, 1, 27800, 0, 0, 0, 0, 0
NODL, 148950, -45, 31.417, 0, 1, 24987.6, 0, 0, 0, 0, 0
NODL, 148951, -45, 31.917, 0, 1, 22182.9, 0, 0, 0, 0, 0
NODL, 148952, -45, 32.417, 0, 1, 19387.2, 0, 0, 0, 0, 0
NODL, 148953, -45, 32.917, 0, 1, 16611.3, 0, 0, 0, 0, 0
NODL, 148954, -45, 33.417, 0, 1, 13836.6, 0, 0, 0, 0, 0
NODL, 148955, -45, 33.917, 0, 1, 11086.6, 0, 0, 0, 0, 0
NODL, 148956, -45, 34.417, 0, 1, 8341.11, 0, 0, 0, 0, 0
NODL, 148957, -45, 34.917, 0, 1, 5622.92, 0, 0, 0, 0, 0
NODL, 149444, 45, 32.483, 0, 1, -10517, 0, 0, 0, 0, 0
NODL, 149445, 45, 31.983, 0, 1, -13355.8, 0, 0, 0, 0, 0
NODL, 149446, 45, 31.483, 0, 1, -16189.6, 0, 0, 0, 0, 0
NODL, 149447, 45, 30.983, 0, 1, -19007.9, 0, 0, 0, 0, 0
NODL, 149448, 45, 30.483, 0, 1, -21816.6, 0, 0, 0, 0, 0
NODL, 149449, 45, 29.983, 0, 1, -24629.4, 0, 0, 0, 0, 0
NODL, 149450, 45, 29.483, 0, 1, -27439.4, 0, 0, 0, 0, 0
NODL, 149451, 45, 28.983, 0, 1, -30227, 0, 0, 0, 0, 0
NODL, 149452, 45, 28.483, 0, 1, -33019, 0, 0, 0, 0, 0
NODL, 150361, 45, 33.983, 0, 1, -1670.82, 0, 0, 0, 0, 0
NODL, 150362, 45, 33.483, 0, 1, -4764.35, 0, 0, 0, 0, 0
NODL, 150363, 45, 32.983, 0, 1, -7642.42, 0, 0, 0, 0, 0
NODL, 150868, -45, 15.417, 0, 1, 136333, 0, 0, 0, 0, 0
NODL, 150869, -45, 15.917, 0, 1, 132236, 0, 0, 0, 0, 0
NODL, 150870, -45, 16.417, 0, 1, 128135, 0, 0, 0, 0, 0
NODL, 150871, -45, 16.917, 0, 1, 124030, 0, 0, 0, 0, 0

NODL, 150872, -45, 17.417, 0, 1, 119920, 0, 0, 0, 0, 0
NODL, 150873, -45, 17.917, 0, 1, 115803, 0, 0, 0, 0, 0
NODL, 150874, -45, 18.417, 0, 1, 111677, 0, 0, 0, 0, 0
NODL, 150875, -45, 18.917, 0, 1, 107534, 0, 0, 0, 0, 0
NODL, 150876, -45, 19.417, 0, 1, 103363, 0, 0, 0, 0, 0
NODL, 150877, -45, 19.917, 0, 1, 99071.8, 0, 0, 0, 0, 0

LDSET, 1, Analisi 1-Rivestimento definitivo:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 126242, 184005, 0, 0, 0, 0
NODL, 138960, -45, 0.49585, 0, 1, 250284, 0, 0, 0, 0, 0
NODL, 138961, -45, 0.9917, 0, 1, 246412, 0, 0, 0, 0, 0
NODL, 138962, -45, 1.48755, 0, 1, 242535, 0, 0, 0, 0, 0
NODL, 138963, -45, 1.9834, 0, 1, 238651, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 234763, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 230869, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 226971, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 223068, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 219159, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 215246, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 211328, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 207404, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 203478, 0, 0, 0, 0, 0
NODL, 138973, -45, 6.9419, 0, 1, 199546, 0, 0, 0, 0, 0
NODL, 138974, -45, 7.43775, 0, 1, 195609, 0, 0, 0, 0, 0
NODL, 138975, -45, 7.9336, 0, 1, 191670, 0, 0, 0, 0, 0
NODL, 138976, -45, 8.42945, 0, 1, 187725, 0, 0, 0, 0, 0
NODL, 138977, -45, 8.9253, 0, 1, 183777, 0, 0, 0, 0, 0
NODL, 138978, -45, 9.42115, 0, 1, 179827, 0, 0, 0, 0, 0
NODL, 138979, -45, 9.917, 0, 1, 176590, 0, 0, 0, 0, 0
NODL, 138980, 45, 0, 0, 1, -128482, 172379, 0, 0, 0, 0
NODL, 138981, 44.5, 0, 0, 1, 0, 344762, 0, 0, 0, 0
NODL, 138982, 44, 0, 0, 1, 0, 344772, 0, 0, 0, 0
NODL, 138983, 43.5, 0, 0, 1, 0, 344789, 0, 0, 0, 0
NODL, 138984, 43, 0, 0, 1, 0, 344814, 0, 0, 0, 0
NODL, 138985, 42.5, 0, 0, 1, 0, 344845, 0, 0, 0, 0
NODL, 138986, 42, 0, 0, 1, 0, 344883, 0, 0, 0, 0
NODL, 138987, 41.5, 0, 0, 1, 0, 344927, 0, 0, 0, 0
NODL, 138988, 41, 0, 0, 1, 0, 344977, 0, 0, 0, 0
NODL, 138989, 40.5, 0, 0, 1, 0, 345034, 0, 0, 0, 0
NODL, 138990, 40, 0, 0, 1, 0, 345098, 0, 0, 0, 0
NODL, 138991, 39.5, 0, 0, 1, 0, 345169, 0, 0, 0, 0
NODL, 138992, 39, 0, 0, 1, 0, 345248, 0, 0, 0, 0
NODL, 138993, 38.5, 0, 0, 1, 0, 345333, 0, 0, 0, 0
NODL, 138994, 38, 0, 0, 1, 0, 345424, 0, 0, 0, 0
NODL, 138995, 37.5, 0, 0, 1, 0, 345522, 0, 0, 0, 0
NODL, 138996, 37, 0, 0, 1, 0, 345626, 0, 0, 0, 0
NODL, 138997, 36.5, 0, 0, 1, 0, 345736, 0, 0, 0, 0
NODL, 138998, 36, 0, 0, 1, 0, 345851, 0, 0, 0, 0
NODL, 138999, 35.5, 0, 0, 1, 0, 345971, 0, 0, 0, 0
NODL, 139000, 35, 0, 0, 1, 0, 346098, 0, 0, 0, 0
NODL, 139001, 34.5, 0, 0, 1, 0, 346232, 0, 0, 0, 0
NODL, 139002, 34, 0, 0, 1, 0, 346375, 0, 0, 0, 0
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NODL, 148955, -45, 33.917, 0, 1, 10929.7, 0, 0, 0, 0, 0
NODL, 148956, -45, 34.417, 0, 1, 8207.52, 0, 0, 0, 0, 0
NODL, 148957, -45, 34.917, 0, 1, 5512.2, 0, 0, 0, 0, 0
NODL, 149444, 45, 32.483, 0, 1, -10191, 0, 0, 0, 0, 0
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NODL, 149446, 45, 31.483, 0, 1, -15824.9, 0, 0, 0, 0, 0
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NODL, 149448, 45, 30.483, 0, 1, -21408.9, 0, 0, 0, 0, 0
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NODL, 150869, -45, 15.917, 0, 1, 128942, 0, 0, 0, 0, 0
NODL, 150870, -45, 16.417, 0, 1, 124896, 0, 0, 0, 0, 0
NODL, 150871, -45, 16.917, 0, 1, 120847, 0, 0, 0, 0, 0

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NODL, 150873, -45, 17.917, 0, 1, 112738, 0, 0, 0, 0, 0
NODL, 150874, -45, 18.417, 0, 1, 108672, 0, 0, 0, 0, 0
NODL, 150875, -45, 18.917, 0, 1, 104590, 0, 0, 0, 0, 0
NODL, 150876, -45, 19.417, 0, 1, 100480, 0, 0, 0, 0, 0
NODL, 150877, -45, 19.917, 0, 1, 96247.5, 0, 0, 0, 0, 0

LDSET, 1, Analisi 1-Rilascio completo:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 124900, 184264, 0, 0, 0, 0
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NODL, 138961, -45, 0.9917, 0, 1, 243735, 0, 0, 0, 0, 0
NODL, 138962, -45, 1.48755, 0, 1, 239866, 0, 0, 0, 0, 0
NODL, 138963, -45, 1.9834, 0, 1, 235995, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 232122, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 228247, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 224371, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 220494, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 216614, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 212733, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 208850, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 204966, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 201082, 0, 0, 0, 0, 0
NODL, 138973, -45, 6.9419, 0, 1, 197195, 0, 0, 0, 0, 0
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NODL, 139113, -21.5, 0, 0, 1, 0, 362782, 0, 0, 0, 0
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NODL, 142341, 45, 19.983, 0, 1, -85931.6, 0, 0, 0, 0, 0
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NODL, 142343, 45, 18.983, 0, 1, -94207.2, 0, 0, 0, 0, 0
NODL, 142344, 45, 18.483, 0, 1, -98383.6, 0, 0, 0, 0, 0
NODL, 142345, 45, 17.983, 0, 1, -102665, 0, 0, 0, 0, 0
NODL, 143090, -45, 25.917, 0, 1, 46598.5, 0, 0, 0, 0, 0
NODL, 143171, -45, 20.417, 0, 1, 82745.8, 0, 0, 0, 0, 0
NODL, 143172, -45, 20.917, 0, 1, 70430.3, 0, 0, 0, 0, 0
NODL, 143173, -45, 21.417, 0, 1, 66785.4, 0, 0, 0, 0, 0
NODL, 143174, -45, 21.917, 0, 1, 63004, 0, 0, 0, 0, 0
NODL, 143175, -45, 22.417, 0, 1, 59195.2, 0, 0, 0, 0, 0
NODL, 143176, -45, 22.917, 0, 1, 55378.5, 0, 0, 0, 0, 0
NODL, 143177, -45, 23.417, 0, 1, 51569.9, 0, 0, 0, 0, 0
NODL, 143178, -45, 23.917, 0, 1, 47783.1, 0, 0, 0, 0, 0
NODL, 143179, -45, 24.417, 0, 1, 44035.5, 0, 0, 0, 0, 0
NODL, 143180, -45, 24.917, 0, 1, 40427.3, 0, 0, 0, 0, 0
NODL, 143181, -45, 25.417, 0, 1, 37985.2, 0, 0, 0, 0, 0
NODL, 144106, 45, 11.983, 0, 1, -162066, 0, 0, 0, 0, 0
NODL, 144107, -45, 14.917, 0, 1, 135777, 0, 0, 0, 0, 0
NODL, 144185, -45, 10.417, 0, 1, 171360, 0, 0, 0, 0, 0
NODL, 144186, -45, 10.917, 0, 1, 167406, 0, 0, 0, 0, 0
NODL, 144187, -45, 11.417, 0, 1, 163458, 0, 0, 0, 0, 0
NODL, 144188, -45, 11.917, 0, 1, 159506, 0, 0, 0, 0, 0
NODL, 144189, -45, 12.417, 0, 1, 155551, 0, 0, 0, 0, 0
NODL, 144190, -45, 12.917, 0, 1, 151595, 0, 0, 0, 0, 0
NODL, 144191, -45, 13.417, 0, 1, 147639, 0, 0, 0, 0, 0
NODL, 144192, -45, 13.917, 0, 1, 143683, 0, 0, 0, 0, 0
NODL, 144193, -45, 14.417, 0, 1, 139730, 0, 0, 0, 0, 0
NODL, 144198, 45, 11.483, 0, 1, -166015, 0, 0, 0, 0, 0
NODL, 144199, 45, 10.983, 0, 1, -169966, 0, 0, 0, 0, 0
NODL, 144200, 45, 10.483, 0, 1, -173921, 0, 0, 0, 0, 0
NODL, 144201, 45, 9.983, 0, 1, -177872, 0, 0, 0, 0, 0
NODL, 144202, 45, 9.483, 0, 1, -181824, 0, 0, 0, 0, 0
NODL, 144203, 45, 8.983, 0, 1, -185787, 0, 0, 0, 0, 0
NODL, 144204, 45, 8.483, 0, 1, -189743, 0, 0, 0, 0, 0
NODL, 144205, 45, 7.983, 0, 1, -193705, 0, 0, 0, 0, 0
NODL, 144206, 45, 7.483, 0, 1, -197661, 0, 0, 0, 0, 0
NODL, 145918, 45, 27.983, 0, 1, -35762.6, 0, 0, 0, 0, 0
NODL, 145919, 45, 27.483, 0, 1, -38459.4, 0, 0, 0, 0, 0
NODL, 145920, 45, 26.983, 0, 1, -41157.9, 0, 0, 0, 0, 0
NODL, 145921, 45, 26.483, 0, 1, -43846.1, 0, 0, 0, 0, 0
NODL, 145922, 45, 25.983, 0, 1, -46522.6, 0, 0, 0, 0, 0

NODL, 145923, 45, 25.483, 0, 1, -49193.4, 0, 0, 0, 0, 0
NODL, 145924, 45, 24.983, 0, 1, -52026.4, 0, 0, 0, 0, 0
NODL, 145925, 45, 24.483, 0, 1, -55704, 0, 0, 0, 0, 0
NODL, 145926, 45, 23.983, 0, 1, -59485.7, 0, 0, 0, 0, 0
NODL, 145927, 45, 23.483, 0, 1, -63146.8, 0, 0, 0, 0, 0
NODL, 146659, 45, 16.983, 0, 1, -122904, 0, 0, 0, 0, 0
NODL, 146660, 45, 16.483, 0, 1, -126690, 0, 0, 0, 0, 0
NODL, 146661, 45, 15.983, 0, 1, -130572, 0, 0, 0, 0, 0
NODL, 146662, 45, 15.483, 0, 1, -134479, 0, 0, 0, 0, 0
NODL, 146663, 45, 14.983, 0, 1, -138401, 0, 0, 0, 0, 0
NODL, 146664, 45, 14.483, 0, 1, -142332, 0, 0, 0, 0, 0
NODL, 146665, 45, 13.983, 0, 1, -146270, 0, 0, 0, 0, 0
NODL, 146666, 45, 13.483, 0, 1, -150212, 0, 0, 0, 0, 0
NODL, 146667, 45, 12.983, 0, 1, -154159, 0, 0, 0, 0, 0
NODL, 146668, 45, 12.483, 0, 1, -158109, 0, 0, 0, 0, 0
NODL, 147840, -45, 36.917, 0, 1, -1218.91, 0, 0, 0, 0, 0
NODL, 147897, -45, 35.417, 0, 1, 3666.68, 0, 0, 0, 0, 0
NODL, 147898, -45, 35.917, 0, 1, 1089.91, 0, 0, 0, 0, 0
NODL, 147899, -45, 36.417, 0, 1, -1384.24, 0, 0, 0, 0, 0
NODL, 148232, -45, 26.417, 0, 1, 53884.7, 0, 0, 0, 0, 0
NODL, 148233, -45, 26.917, 0, 1, 50771.6, 0, 0, 0, 0, 0
NODL, 148234, -45, 27.417, 0, 1, 47842.9, 0, 0, 0, 0, 0
NODL, 148235, -45, 27.917, 0, 1, 44965.6, 0, 0, 0, 0, 0
NODL, 148236, -45, 28.417, 0, 1, 42108.1, 0, 0, 0, 0, 0
NODL, 148237, -45, 28.917, 0, 1, 39274.7, 0, 0, 0, 0, 0
NODL, 148238, -45, 29.417, 0, 1, 36453.5, 0, 0, 0, 0, 0
NODL, 148239, -45, 29.917, 0, 1, 33652.4, 0, 0, 0, 0, 0
NODL, 148240, -45, 30.417, 0, 1, 30863.3, 0, 0, 0, 0, 0
NODL, 148241, -45, 30.917, 0, 1, 28075.7, 0, 0, 0, 0, 0
NODL, 148950, -45, 31.417, 0, 1, 25319.3, 0, 0, 0, 0, 0
NODL, 148951, -45, 31.917, 0, 1, 22569.9, 0, 0, 0, 0, 0
NODL, 148952, -45, 32.417, 0, 1, 19828.6, 0, 0, 0, 0, 0
NODL, 148953, -45, 32.917, 0, 1, 17106, 0, 0, 0, 0, 0
NODL, 148954, -45, 33.417, 0, 1, 14383.6, 0, 0, 0, 0, 0
NODL, 148955, -45, 33.917, 0, 1, 11684.4, 0, 0, 0, 0, 0
NODL, 148956, -45, 34.417, 0, 1, 8987.93, 0, 0, 0, 0, 0
NODL, 148957, -45, 34.917, 0, 1, 6316.27, 0, 0, 0, 0, 0
NODL, 149444, 45, 32.483, 0, 1, -11004, 0, 0, 0, 0, 0
NODL, 149445, 45, 31.983, 0, 1, -13784.6, 0, 0, 0, 0, 0
NODL, 149446, 45, 31.483, 0, 1, -16560.5, 0, 0, 0, 0, 0
NODL, 149447, 45, 30.983, 0, 1, -19320.7, 0, 0, 0, 0, 0
NODL, 149448, 45, 30.483, 0, 1, -22071.1, 0, 0, 0, 0, 0
NODL, 149449, 45, 29.983, 0, 1, -24825, 0, 0, 0, 0, 0
NODL, 149450, 45, 29.483, 0, 1, -27575.7, 0, 0, 0, 0, 0
NODL, 149451, 45, 28.983, 0, 1, -30303.6, 0, 0, 0, 0, 0
NODL, 149452, 45, 28.483, 0, 1, -33035.4, 0, 0, 0, 0, 0
NODL, 150361, 45, 33.983, 0, 1, -2013.04, 0, 0, 0, 0, 0
NODL, 150362, 45, 33.483, 0, 1, -5379.79, 0, 0, 0, 0, 0
NODL, 150363, 45, 32.983, 0, 1, -8189.38, 0, 0, 0, 0, 0
NODL, 150868, -45, 15.417, 0, 1, 131831, 0, 0, 0, 0, 0
NODL, 150869, -45, 15.917, 0, 1, 127880, 0, 0, 0, 0, 0
NODL, 150870, -45, 16.417, 0, 1, 123928, 0, 0, 0, 0, 0
NODL, 150871, -45, 16.917, 0, 1, 119976, 0, 0, 0, 0, 0

NODL, 150872, -45, 17.417, 0, 1, 116021, 0, 0, 0, 0, 0
NODL, 150873, -45, 17.917, 0, 1, 112061, 0, 0, 0, 0, 0
NODL, 150874, -45, 18.417, 0, 1, 108095, 0, 0, 0, 0, 0
NODL, 150875, -45, 18.917, 0, 1, 104113, 0, 0, 0, 0, 0
NODL, 150876, -45, 19.417, 0, 1, 100104, 0, 0, 0, 0, 0
NODL, 150877, -45, 19.917, 0, 1, 95972.4, 0, 0, 0, 0, 0

LDSET, 1, Analisi 1-Decadimento Protesi+Pali:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 123970, 184991, 0, 0, 0, 0
NODL, 138960, -45, 0.49585, 0, 1, 245745, 0, 0, 0, 0, 0
NODL, 138961, -45, 0.9917, 0, 1, 241889, 0, 0, 0, 0, 0
NODL, 138962, -45, 1.48755, 0, 1, 238039, 0, 0, 0, 0, 0
NODL, 138963, -45, 1.9834, 0, 1, 234193, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 230352, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 226517, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 222688, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 218864, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 215045, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 211230, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 207420, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 203615, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 199816, 0, 0, 0, 0, 0
NODL, 138973, -45, 6.9419, 0, 1, 196020, 0, 0, 0, 0, 0
NODL, 138974, -45, 7.43775, 0, 1, 192228, 0, 0, 0, 0, 0
NODL, 138975, -45, 7.9336, 0, 1, 188441, 0, 0, 0, 0, 0
NODL, 138976, -45, 8.42945, 0, 1, 184658, 0, 0, 0, 0, 0
NODL, 138977, -45, 8.9253, 0, 1, 180879, 0, 0, 0, 0, 0
NODL, 138978, -45, 9.42115, 0, 1, 177104, 0, 0, 0, 0, 0
NODL, 138979, -45, 9.917, 0, 1, 174040, 0, 0, 0, 0, 0
NODL, 138980, 45, 0, 0, 1, -126351, 173528, 0, 0, 0, 0
NODL, 138981, 44.5, 0, 0, 1, 0, 347058, 0, 0, 0, 0
NODL, 138982, 44, 0, 0, 1, 0, 347062, 0, 0, 0, 0
NODL, 138983, 43.5, 0, 0, 1, 0, 347069, 0, 0, 0, 0
NODL, 138984, 43, 0, 0, 1, 0, 347079, 0, 0, 0, 0
NODL, 138985, 42.5, 0, 0, 1, 0, 347092, 0, 0, 0, 0
NODL, 138986, 42, 0, 0, 1, 0, 347107, 0, 0, 0, 0
NODL, 138987, 41.5, 0, 0, 1, 0, 347124, 0, 0, 0, 0
NODL, 138988, 41, 0, 0, 1, 0, 347143, 0, 0, 0, 0
NODL, 138989, 40.5, 0, 0, 1, 0, 347163, 0, 0, 0, 0
NODL, 138990, 40, 0, 0, 1, 0, 347187, 0, 0, 0, 0
NODL, 138991, 39.5, 0, 0, 1, 0, 347212, 0, 0, 0, 0
NODL, 138992, 39, 0, 0, 1, 0, 347240, 0, 0, 0, 0
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NODL, 138994, 38, 0, 0, 1, 0, 347300, 0, 0, 0, 0
NODL, 138995, 37.5, 0, 0, 1, 0, 347331, 0, 0, 0, 0
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NODL, 138997, 36.5, 0, 0, 1, 0, 347393, 0, 0, 0, 0
NODL, 138998, 36, 0, 0, 1, 0, 347423, 0, 0, 0, 0
NODL, 138999, 35.5, 0, 0, 1, 0, 347452, 0, 0, 0, 0
NODL, 139000, 35, 0, 0, 1, 0, 347480, 0, 0, 0, 0
NODL, 139001, 34.5, 0, 0, 1, 0, 347508, 0, 0, 0, 0
NODL, 139002, 34, 0, 0, 1, 0, 347536, 0, 0, 0, 0
NODL, 139003, 33.5, 0, 0, 1, 0, 347564, 0, 0, 0, 0
NODL, 139004, 33, 0, 0, 1, 0, 347589, 0, 0, 0, 0
NODL, 139005, 32.5, 0, 0, 1, 0, 347610, 0, 0, 0, 0
NODL, 139006, 32, 0, 0, 1, 0, 347627, 0, 0, 0, 0
NODL, 139007, 31.5, 0, 0, 1, 0, 347641, 0, 0, 0, 0
NODL, 139008, 31, 0, 0, 1, 0, 347651, 0, 0, 0, 0
NODL, 139009, 30.5, 0, 0, 1, 0, 347657, 0, 0, 0, 0
NODL, 139010, 30, 0, 0, 1, 0, 347657, 0, 0, 0, 0

NODL, 139011, 29.5, 0, 0, 1, 0, 347652, 0, 0, 0, 0
NODL, 139012, 29, 0, 0, 1, 0, 347641, 0, 0, 0, 0
NODL, 139013, 28.5, 0, 0, 1, 0, 347623, 0, 0, 0, 0
NODL, 139014, 28, 0, 0, 1, 0, 347598, 0, 0, 0, 0
NODL, 139015, 27.5, 0, 0, 1, 0, 347565, 0, 0, 0, 0
NODL, 139016, 27, 0, 0, 1, 0, 347524, 0, 0, 0, 0
NODL, 139017, 26.5, 0, 0, 1, 0, 347473, 0, 0, 0, 0
NODL, 139018, 26, 0, 0, 1, 0, 347412, 0, 0, 0, 0
NODL, 139019, 25.5, 0, 0, 1, 0, 347340, 0, 0, 0, 0
NODL, 139020, 25, 0, 0, 1, 0, 347258, 0, 0, 0, 0
NODL, 139021, 24.5, 0, 0, 1, 0, 347163, 0, 0, 0, 0
NODL, 139022, 24, 0, 0, 1, 0, 347055, 0, 0, 0, 0
NODL, 139023, 23.5, 0, 0, 1, 0, 346933, 0, 0, 0, 0
NODL, 139024, 23, 0, 0, 1, 0, 346796, 0, 0, 0, 0
NODL, 139025, 22.5, 0, 0, 1, 0, 346642, 0, 0, 0, 0
NODL, 139026, 22, 0, 0, 1, 0, 346471, 0, 0, 0, 0
NODL, 139027, 21.5, 0, 0, 1, 0, 346282, 0, 0, 0, 0
NODL, 139028, 21, 0, 0, 1, 0, 346073, 0, 0, 0, 0
NODL, 139029, 20.5, 0, 0, 1, 0, 345841, 0, 0, 0, 0
NODL, 139030, 20, 0, 0, 1, 0, 345587, 0, 0, 0, 0
NODL, 139031, 19.5, 0, 0, 1, 0, 345308, 0, 0, 0, 0
NODL, 139032, 19, 0, 0, 1, 0, 345004, 0, 0, 0, 0
NODL, 139033, 18.5, 0, 0, 1, 0, 344674, 0, 0, 0, 0
NODL, 139034, 18, 0, 0, 1, 0, 344316, 0, 0, 0, 0
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NODL, 139036, 17, 0, 0, 1, 0, 343508, 0, 0, 0, 0
NODL, 139037, 16.5, 0, 0, 1, 0, 343055, 0, 0, 0, 0
NODL, 139038, 16, 0, 0, 1, 0, 342567, 0, 0, 0, 0
NODL, 139039, 15.5, 0, 0, 1, 0, 342043, 0, 0, 0, 0
NODL, 139040, 15, 0, 0, 1, 0, 341481, 0, 0, 0, 0
NODL, 139041, 14.5, 0, 0, 1, 0, 340881, 0, 0, 0, 0
NODL, 139042, 14, 0, 0, 1, 0, 340243, 0, 0, 0, 0
NODL, 139043, 13.5, 0, 0, 1, 0, 339565, 0, 0, 0, 0
NODL, 139044, 13, 0, 0, 1, 0, 338848, 0, 0, 0, 0
NODL, 139045, 12.5, 0, 0, 1, 0, 338091, 0, 0, 0, 0
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NODL, 139047, 11.5, 0, 0, 1, 0, 336468, 0, 0, 0, 0
NODL, 139048, 11, 0, 0, 1, 0, 335605, 0, 0, 0, 0
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NODL, 139050, 10, 0, 0, 1, 0, 333792, 0, 0, 0, 0
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NODL, 139052, 9, 0, 0, 1, 0, 331897, 0, 0, 0, 0
NODL, 139053, 8.5, 0, 0, 1, 0, 330934, 0, 0, 0, 0
NODL, 139054, 8, 0, 0, 1, 0, 329971, 0, 0, 0, 0
NODL, 139055, 7.5, 0, 0, 1, 0, 329015, 0, 0, 0, 0
NODL, 139056, 7, 0, 0, 1, 0, 328075, 0, 0, 0, 0
NODL, 139057, 6.5, 0, 0, 1, 0, 327160, 0, 0, 0, 0
NODL, 139058, 6, 0, 0, 1, 0, 326277, 0, 0, 0, 0
NODL, 139059, 5.5, 0, 0, 1, 0, 325437, 0, 0, 0, 0
NODL, 139060, 5, 0, 0, 1, 0, 324648, 0, 0, 0, 0
NODL, 139061, 4.5, 0, 0, 1, 0, 323918, 0, 0, 0, 0
NODL, 139062, 4, 0, 0, 1, 0, 323256, 0, 0, 0, 0
NODL, 139063, 3.5, 0, 0, 1, 0, 322671, 0, 0, 0, 0

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NODL, 139066, 2, 0, 0, 1, 0, 321441, 0, 0, 0, 0
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NODL, 139068, 1, 0, 0, 1, 0, 321107, 0, 0, 0, 0
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NODL, 139070, 0, 0, 0, 1, 0, 321191, 0, 0, 0, 0
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NODL, 139074, -2, 0, 0, 1, 0, 322636, 0, 0, 0, 0
NODL, 139075, -2.5, 0, 0, 1, 0, 323253, 0, 0, 0, 0
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NODL, 139077, -3.5, 0, 0, 1, 0, 324764, 0, 0, 0, 0
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NODL, 139082, -6, 0, 0, 1, 0, 329875, 0, 0, 0, 0
NODL, 139083, -6.5, 0, 0, 1, 0, 331063, 0, 0, 0, 0
NODL, 139084, -7, 0, 0, 1, 0, 332286, 0, 0, 0, 0
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NODL, 139088, -9, 0, 0, 1, 0, 337356, 0, 0, 0, 0
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NODL, 139090, -10, 0, 0, 1, 0, 339883, 0, 0, 0, 0
NODL, 139091, -10.5, 0, 0, 1, 0, 341119, 0, 0, 0, 0
NODL, 139092, -11, 0, 0, 1, 0, 342330, 0, 0, 0, 0
NODL, 139093, -11.5, 0, 0, 1, 0, 343511, 0, 0, 0, 0
NODL, 139094, -12, 0, 0, 1, 0, 344661, 0, 0, 0, 0
NODL, 139095, -12.5, 0, 0, 1, 0, 345776, 0, 0, 0, 0
NODL, 139096, -13, 0, 0, 1, 0, 346855, 0, 0, 0, 0
NODL, 139097, -13.5, 0, 0, 1, 0, 347895, 0, 0, 0, 0
NODL, 139098, -14, 0, 0, 1, 0, 348896, 0, 0, 0, 0
NODL, 139099, -14.5, 0, 0, 1, 0, 349857, 0, 0, 0, 0
NODL, 139100, -15, 0, 0, 1, 0, 350780, 0, 0, 0, 0
NODL, 139101, -15.5, 0, 0, 1, 0, 351664, 0, 0, 0, 0
NODL, 139102, -16, 0, 0, 1, 0, 352511, 0, 0, 0, 0
NODL, 139103, -16.5, 0, 0, 1, 0, 353322, 0, 0, 0, 0
NODL, 139104, -17, 0, 0, 1, 0, 354097, 0, 0, 0, 0
NODL, 139105, -17.5, 0, 0, 1, 0, 354839, 0, 0, 0, 0
NODL, 139106, -18, 0, 0, 1, 0, 355549, 0, 0, 0, 0
NODL, 139107, -18.5, 0, 0, 1, 0, 356227, 0, 0, 0, 0
NODL, 139108, -19, 0, 0, 1, 0, 356876, 0, 0, 0, 0
NODL, 139109, -19.5, 0, 0, 1, 0, 357497, 0, 0, 0, 0
NODL, 139110, -20, 0, 0, 1, 0, 358091, 0, 0, 0, 0
NODL, 139111, -20.5, 0, 0, 1, 0, 358660, 0, 0, 0, 0
NODL, 139112, -21, 0, 0, 1, 0, 359205, 0, 0, 0, 0
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NODL, 139114, -22, 0, 0, 1, 0, 360229, 0, 0, 0, 0
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NODL, 139116, -23, 0, 0, 1, 0, 361172, 0, 0, 0, 0

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NODL, 139118, -24, 0, 0, 1, 0, 362041, 0, 0, 0, 0
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NODL, 139122, -26, 0, 0, 1, 0, 363587, 0, 0, 0, 0
NODL, 139123, -26.5, 0, 0, 1, 0, 363937, 0, 0, 0, 0
NODL, 139124, -27, 0, 0, 1, 0, 364274, 0, 0, 0, 0
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NODL, 139129, -29.5, 0, 0, 1, 0, 365789, 0, 0, 0, 0
NODL, 139130, -30, 0, 0, 1, 0, 366059, 0, 0, 0, 0
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NODL, 139138, -34, 0, 0, 1, 0, 367875, 0, 0, 0, 0
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NODL, 139162, 45, 5.98543, 0, 1, -207867, 0, 0, 0, 0, 0
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NODL, 139167, 45, 3.4915, 0, 1, -227150, 0, 0, 0, 0, 0
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NODL, 139169, 45, 2.49393, 0, 1, -234904, 0, 0, 0, 0, 0

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NODL, 139172, 45, 0.997571, 0, 1, -246577, 0, 0, 0, 0, 0
NODL, 139173, 45, 0.498785, 0, 1, -250479, 0, 0, 0, 0, 0
NODL, 142253, 45, 22.983, 0, 1, -66666.3, 0, 0, 0, 0, 0
NODL, 142329, 45, 17.483, 0, 1, -115393, 0, 0, 0, 0, 0
NODL, 142336, 45, 22.483, 0, 1, -69435.4, 0, 0, 0, 0, 0
NODL, 142337, 45, 21.983, 0, 1, -73432.7, 0, 0, 0, 0, 0
NODL, 142338, 45, 21.483, 0, 1, -77393.9, 0, 0, 0, 0, 0
NODL, 142339, 45, 20.983, 0, 1, -81352.7, 0, 0, 0, 0, 0
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NODL, 143171, -45, 20.417, 0, 1, 85465.2, 0, 0, 0, 0, 0
NODL, 143172, -45, 20.917, 0, 1, 73570.6, 0, 0, 0, 0, 0
NODL, 143173, -45, 21.417, 0, 1, 70050.4, 0, 0, 0, 0, 0
NODL, 143174, -45, 21.917, 0, 1, 66393, 0, 0, 0, 0, 0
NODL, 143175, -45, 22.417, 0, 1, 62703.1, 0, 0, 0, 0, 0
NODL, 143176, -45, 22.917, 0, 1, 58999.2, 0, 0, 0, 0, 0
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NODL, 143178, -45, 23.917, 0, 1, 51604.7, 0, 0, 0, 0, 0
NODL, 143179, -45, 24.417, 0, 1, 47940.7, 0, 0, 0, 0, 0
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NODL, 144191, -45, 13.417, 0, 1, 148050, 0, 0, 0, 0, 0
NODL, 144192, -45, 13.917, 0, 1, 144237, 0, 0, 0, 0, 0
NODL, 144193, -45, 14.417, 0, 1, 140429, 0, 0, 0, 0, 0
NODL, 144198, 45, 11.483, 0, 1, -166196, 0, 0, 0, 0, 0
NODL, 144199, 45, 10.983, 0, 1, -170006, 0, 0, 0, 0, 0
NODL, 144200, 45, 10.483, 0, 1, -173824, 0, 0, 0, 0, 0
NODL, 144201, 45, 9.983, 0, 1, -177640, 0, 0, 0, 0, 0
NODL, 144202, 45, 9.483, 0, 1, -181462, 0, 0, 0, 0, 0
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NODL, 145918, 45, 27.983, 0, 1, -37050.7, 0, 0, 0, 0, 0
NODL, 145919, 45, 27.483, 0, 1, -39717.2, 0, 0, 0, 0, 0
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NODL, 145927, 45, 23.483, 0, 1, -64207.1, 0, 0, 0, 0, 0
NODL, 146659, 45, 16.983, 0, 1, -124771, 0, 0, 0, 0, 0
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NODL, 146661, 45, 15.983, 0, 1, -132128, 0, 0, 0, 0, 0
NODL, 146662, 45, 15.483, 0, 1, -135878, 0, 0, 0, 0, 0
NODL, 146663, 45, 14.983, 0, 1, -139643, 0, 0, 0, 0, 0
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NODL, 148232, -45, 26.417, 0, 1, 54855.7, 0, 0, 0, 0, 0
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NODL, 150871, -45, 16.917, 0, 1, 121401, 0, 0, 0, 0, 0

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NODL, 150875, -45, 18.917, 0, 1, 106108, 0, 0, 0, 0, 0
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LDSET, 1, Analisi 1-sisma:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 61031.8, 123049, 0, 0, 0, 0
NODL, 138960, -45, 0.49585, 0, 1, 120142, 0, 0, 0, 0, 0
NODL, 138961, -45, 0.9917, 0, 1, 116917, 0, 0, 0, 0, 0
NODL, 138962, -45, 1.48755, 0, 1, 113734, 0, 0, 0, 0, 0
NODL, 138963, -45, 1.9834, 0, 1, 110660, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 107648, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 104752, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 101933, 0, 0, 0, 0, 0
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NODL, 138968, -45, 4.46265, 0, 1, 96622.6, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 94119.2, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 91661, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 89276.4, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 86888.7, 0, 0, 0, 0, 0
NODL, 138973, -45, 6.9419, 0, 1, 84530.5, 0, 0, 0, 0, 0
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NODL, 138976, -45, 8.42945, 0, 1, 77249.8, 0, 0, 0, 0, 0
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NODL, 138978, -45, 9.42115, 0, 1, 72165, 0, 0, 0, 0, 0
NODL, 138979, -45, 9.917, 0, 1, 69823.5, 0, 0, 0, 0, 0
NODL, 138980, 45, 0, 0, 1, -245169, 189431, 0, 0, 0, 0
NODL, 138981, 44.5, 0, 0, 1, 0, 378606, 0, 0, 0, 0
NODL, 138982, 44, 0, 0, 1, 0, 378087, 0, 0, 0, 0
NODL, 138983, 43.5, 0, 0, 1, 0, 377555, 0, 0, 0, 0
NODL, 138984, 43, 0, 0, 1, 0, 377012, 0, 0, 0, 0
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NODL, 138987, 41.5, 0, 0, 1, 0, 375314, 0, 0, 0, 0
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NODL, 139000, 35, 0, 0, 1, 0, 367133, 0, 0, 0, 0
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NODL, 139010, 30, 0, 0, 1, 0, 360810, 0, 0, 0, 0

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NODL, 139016, 27, 0, 0, 1, 0, 357292, 0, 0, 0, 0
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NODL, 139027, 21.5, 0, 0, 1, 0, 351104, 0, 0, 0, 0
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NODL, 139030, 20, 0, 0, 1, 0, 349289, 0, 0, 0, 0
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LDSET, 1, Analisi 1-Geo:INCR=10 (LOAD=1.000), Reactions-All, 0
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NODL, 138963, -45, 1.9834, 0, 1, 247683, 0, 0, 0, 0, 0
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NODL, 138965, -45, 2.9751, 0, 1, 239962, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 236102, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 232244, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 228386, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 224530, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 220674, 0, 0, 0, 0, 0
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NODL, 138972, -45, 6.44605, 0, 1, 212966, 0, 0, 0, 0, 0
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NODL, 138974, -45, 7.43775, 0, 1, 205260, 0, 0, 0, 0, 0
NODL, 138975, -45, 7.9336, 0, 1, 201409, 0, 0, 0, 0, 0
NODL, 138976, -45, 8.42945, 0, 1, 197556, 0, 0, 0, 0, 0
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NODL, 145919, 45, 27.483, 0, 1, -36190.8, 0, 0, 0, 0, 0
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NODL, 145922, 45, 25.983, 0, 1, -44428.7, 0, 0, 0, 0, 0

NODL, 145923, 45, 25.483, 0, 1, -47163.3, 0, 0, 0, 0, 0
NODL, 145924, 45, 24.983, 0, 1, -50058.1, 0, 0, 0, 0, 0
NODL, 145925, 45, 24.483, 0, 1, -53798.4, 0, 0, 0, 0, 0
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NODL, 145927, 45, 23.483, 0, 1, -61438.1, 0, 0, 0, 0, 0
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NODL, 146661, 45, 15.983, 0, 1, -126411, 0, 0, 0, 0, 0
NODL, 146662, 45, 15.483, 0, 1, -130361, 0, 0, 0, 0, 0
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NODL, 147898, -45, 35.917, 0, 1, 5405.19, 0, 0, 0, 0, 0
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LDSET, 1, Analisi 1-Scavo superficiale 1:INCR=10 (LOAD=1.000), Reactions-All, 0
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NODL, 138972, -45, 6.44605, 0, 1, 193109, 0, 0, 0, 0, 0
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NODL, 139139, -34.5, 0, 0, 1, 0, 362174, 0, 0, 0, 0
NODL, 139140, -35, 0, 0, 1, 0, 362588, 0, 0, 0, 0
NODL, 139141, -35.5, 0, 0, 1, 0, 362983, 0, 0, 0, 0
NODL, 139142, -36, 0, 0, 1, 0, 363358, 0, 0, 0, 0
NODL, 139143, -36.5, 0, 0, 1, 0, 363713, 0, 0, 0, 0
NODL, 139144, -37, 0, 0, 1, 0, 364049, 0, 0, 0, 0
NODL, 139145, -37.5, 0, 0, 1, 0, 364365, 0, 0, 0, 0
NODL, 139146, -38, 0, 0, 1, 0, 364661, 0, 0, 0, 0
NODL, 139147, -38.5, 0, 0, 1, 0, 364936, 0, 0, 0, 0
NODL, 139148, -39, 0, 0, 1, 0, 365192, 0, 0, 0, 0
NODL, 139149, -39.5, 0, 0, 1, 0, 365426, 0, 0, 0, 0
NODL, 139150, -40, 0, 0, 1, 0, 365640, 0, 0, 0, 0
NODL, 139151, -40.5, 0, 0, 1, 0, 365834, 0, 0, 0, 0
NODL, 139152, -41, 0, 0, 1, 0, 366007, 0, 0, 0, 0
NODL, 139153, -41.5, 0, 0, 1, 0, 366160, 0, 0, 0, 0
NODL, 139154, -42, 0, 0, 1, 0, 366293, 0, 0, 0, 0
NODL, 139155, -42.5, 0, 0, 1, 0, 366406, 0, 0, 0, 0
NODL, 139156, -43, 0, 0, 1, 0, 366498, 0, 0, 0, 0
NODL, 139157, -43.5, 0, 0, 1, 0, 366571, 0, 0, 0, 0
NODL, 139158, -44, 0, 0, 1, 0, 366623, 0, 0, 0, 0
NODL, 139159, -44.5, 0, 0, 1, 0, 366654, 0, 0, 0, 0
NODL, 139160, 45, 6.983, 0, 1, -193935, 0, 0, 0, 0, 0
NODL, 139161, 45, 6.48421, 0, 1, -197505, 0, 0, 0, 0, 0
NODL, 139162, 45, 5.98543, 0, 1, -201317, 0, 0, 0, 0, 0
NODL, 139163, 45, 5.48664, 0, 1, -205145, 0, 0, 0, 0, 0
NODL, 139164, 45, 4.98785, 0, 1, -208977, 0, 0, 0, 0, 0
NODL, 139165, 45, 4.48907, 0, 1, -212817, 0, 0, 0, 0, 0
NODL, 139166, 45, 3.99028, 0, 1, -216663, 0, 0, 0, 0, 0
NODL, 139167, 45, 3.4915, 0, 1, -220519, 0, 0, 0, 0, 0
NODL, 139168, 45, 2.99271, 0, 1, -224383, 0, 0, 0, 0, 0
NODL, 139169, 45, 2.49393, 0, 1, -228255, 0, 0, 0, 0, 0

NODL, 139170, 45, 1.99514, 0, 1, -232133, 0, 0, 0, 0, 0
NODL, 139171, 45, 1.49636, 0, 1, -236019, 0, 0, 0, 0, 0
NODL, 139172, 45, 0.997571, 0, 1, -239912, 0, 0, 0, 0, 0
NODL, 139173, 45, 0.498785, 0, 1, -243812, 0, 0, 0, 0, 0
NODL, 142253, 45, 22.983, 0, 1, -64960.4, 0, 0, 0, 0, 0
NODL, 142329, 45, 17.483, 0, 1, -110265, 0, 0, 0, 0, 0
NODL, 142336, 45, 22.483, 0, 1, -66528.7, 0, 0, 0, 0, 0
NODL, 142337, 45, 21.983, 0, 1, -70231, 0, 0, 0, 0, 0
NODL, 142338, 45, 21.483, 0, 1, -73883.7, 0, 0, 0, 0, 0
NODL, 142339, 45, 20.983, 0, 1, -77536.6, 0, 0, 0, 0, 0
NODL, 142340, 45, 20.483, 0, 1, -81194.8, 0, 0, 0, 0, 0
NODL, 142341, 45, 19.983, 0, 1, -84863.3, 0, 0, 0, 0, 0
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NODL, 142344, 45, 18.483, 0, 1, -96003.4, 0, 0, 0, 0, 0
NODL, 142345, 45, 17.983, 0, 1, -99867.2, 0, 0, 0, 0, 0
NODL, 143090, -45, 25.917, 0, 1, 48771.5, 0, 0, 0, 0, 0
NODL, 143171, -45, 20.417, 0, 1, 81241.5, 0, 0, 0, 0, 0
NODL, 143172, -45, 20.917, 0, 1, 69253.9, 0, 0, 0, 0, 0
NODL, 143173, -45, 21.417, 0, 1, 66107, 0, 0, 0, 0, 0
NODL, 143174, -45, 21.917, 0, 1, 62827, 0, 0, 0, 0, 0
NODL, 143175, -45, 22.417, 0, 1, 59523, 0, 0, 0, 0, 0
NODL, 143176, -45, 22.917, 0, 1, 56213, 0, 0, 0, 0, 0
NODL, 143177, -45, 23.417, 0, 1, 52910.3, 0, 0, 0, 0, 0
NODL, 143178, -45, 23.917, 0, 1, 49625.9, 0, 0, 0, 0, 0
NODL, 143179, -45, 24.417, 0, 1, 46373.6, 0, 0, 0, 0, 0
NODL, 143180, -45, 24.917, 0, 1, 43249.8, 0, 0, 0, 0, 0
NODL, 143181, -45, 25.417, 0, 1, 41257.8, 0, 0, 0, 0, 0
NODL, 144106, 45, 11.983, 0, 1, -156400, 0, 0, 0, 0, 0
NODL, 144107, -45, 14.917, 0, 1, 130882, 0, 0, 0, 0, 0
NODL, 144185, -45, 10.417, 0, 1, 164462, 0, 0, 0, 0, 0
NODL, 144186, -45, 10.917, 0, 1, 160693, 0, 0, 0, 0, 0
NODL, 144187, -45, 11.417, 0, 1, 156937, 0, 0, 0, 0, 0
NODL, 144188, -45, 11.917, 0, 1, 153189, 0, 0, 0, 0, 0
NODL, 144189, -45, 12.417, 0, 1, 149446, 0, 0, 0, 0, 0
NODL, 144190, -45, 12.917, 0, 1, 145713, 0, 0, 0, 0, 0
NODL, 144191, -45, 13.417, 0, 1, 141989, 0, 0, 0, 0, 0
NODL, 144192, -45, 13.917, 0, 1, 138275, 0, 0, 0, 0, 0
NODL, 144193, -45, 14.417, 0, 1, 134574, 0, 0, 0, 0, 0
NODL, 144198, 45, 11.483, 0, 1, -160128, 0, 0, 0, 0, 0
NODL, 144199, 45, 10.983, 0, 1, -163867, 0, 0, 0, 0, 0
NODL, 144200, 45, 10.483, 0, 1, -167620, 0, 0, 0, 0, 0
NODL, 144201, 45, 9.983, 0, 1, -171378, 0, 0, 0, 0, 0
NODL, 144202, 45, 9.483, 0, 1, -175147, 0, 0, 0, 0, 0
NODL, 144203, 45, 8.983, 0, 1, -178936, 0, 0, 0, 0, 0
NODL, 144204, 45, 8.483, 0, 1, -182729, 0, 0, 0, 0, 0
NODL, 144205, 45, 7.983, 0, 1, -186536, 0, 0, 0, 0, 0
NODL, 144206, 45, 7.483, 0, 1, -190348, 0, 0, 0, 0, 0
NODL, 145918, 45, 27.983, 0, 1, -37039.8, 0, 0, 0, 0, 0
NODL, 145919, 45, 27.483, 0, 1, -39631.1, 0, 0, 0, 0, 0
NODL, 145920, 45, 26.983, 0, 1, -42227.7, 0, 0, 0, 0, 0
NODL, 145921, 45, 26.483, 0, 1, -44817.7, 0, 0, 0, 0, 0
NODL, 145922, 45, 25.983, 0, 1, -47399.8, 0, 0, 0, 0, 0

NODL, 145923, 45, 25.483, 0, 1, -49979.5, 0, 0, 0, 0, 0
NODL, 145924, 45, 24.983, 0, 1, -52724.8, 0, 0, 0, 0, 0
NODL, 145925, 45, 24.483, 0, 1, -56318.1, 0, 0, 0, 0, 0
NODL, 145926, 45, 23.983, 0, 1, -60019, 0, 0, 0, 0, 0
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NODL, 146659, 45, 16.983, 0, 1, -119992, 0, 0, 0, 0, 0
NODL, 146660, 45, 16.483, 0, 1, -123456, 0, 0, 0, 0, 0
NODL, 146661, 45, 15.983, 0, 1, -127029, 0, 0, 0, 0, 0
NODL, 146662, 45, 15.483, 0, 1, -130636, 0, 0, 0, 0, 0
NODL, 146663, 45, 14.983, 0, 1, -134269, 0, 0, 0, 0, 0
NODL, 146664, 45, 14.483, 0, 1, -137920, 0, 0, 0, 0, 0
NODL, 146665, 45, 13.983, 0, 1, -141588, 0, 0, 0, 0, 0
NODL, 146666, 45, 13.483, 0, 1, -145270, 0, 0, 0, 0, 0
NODL, 146667, 45, 12.983, 0, 1, -148965, 0, 0, 0, 0, 0
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NODL, 147897, -45, 35.417, 0, 1, 6647.01, 0, 0, 0, 0, 0
NODL, 147898, -45, 35.917, 0, 1, 4156.49, 0, 0, 0, 0, 0
NODL, 147899, -45, 36.417, 0, 1, 1715.44, 0, 0, 0, 0, 0
NODL, 148232, -45, 26.417, 0, 1, 54824.8, 0, 0, 0, 0, 0
NODL, 148233, -45, 26.917, 0, 1, 51821.2, 0, 0, 0, 0, 0
NODL, 148234, -45, 27.417, 0, 1, 48996.9, 0, 0, 0, 0, 0
NODL, 148235, -45, 27.917, 0, 1, 46224.1, 0, 0, 0, 0, 0
NODL, 148236, -45, 28.417, 0, 1, 43472.3, 0, 0, 0, 0, 0
NODL, 148237, -45, 28.917, 0, 1, 40746.4, 0, 0, 0, 0, 0
NODL, 148238, -45, 29.417, 0, 1, 38035, 0, 0, 0, 0, 0
NODL, 148239, -45, 29.917, 0, 1, 35345.9, 0, 0, 0, 0, 0
NODL, 148240, -45, 30.417, 0, 1, 32671.2, 0, 0, 0, 0, 0
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NODL, 148950, -45, 31.417, 0, 1, 27362.5, 0, 0, 0, 0, 0
NODL, 148951, -45, 31.917, 0, 1, 24733.2, 0, 0, 0, 0, 0
NODL, 148952, -45, 32.417, 0, 1, 22113.1, 0, 0, 0, 0, 0
NODL, 148953, -45, 32.917, 0, 1, 19512.1, 0, 0, 0, 0, 0
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NODL, 148955, -45, 33.917, 0, 1, 14332.1, 0, 0, 0, 0, 0
NODL, 148956, -45, 34.417, 0, 1, 11752.9, 0, 0, 0, 0, 0
NODL, 148957, -45, 34.917, 0, 1, 9193.51, 0, 0, 0, 0, 0
NODL, 149444, 45, 32.483, 0, 1, -13427.8, 0, 0, 0, 0, 0
NODL, 149445, 45, 31.983, 0, 1, -16057.9, 0, 0, 0, 0, 0
NODL, 149446, 45, 31.483, 0, 1, -18692, 0, 0, 0, 0, 0
NODL, 149447, 45, 30.983, 0, 1, -21317, 0, 0, 0, 0, 0
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NODL, 149450, 45, 29.483, 0, 1, -29193.9, 0, 0, 0, 0, 0
NODL, 149451, 45, 28.983, 0, 1, -31804.2, 0, 0, 0, 0, 0
NODL, 149452, 45, 28.483, 0, 1, -34422.4, 0, 0, 0, 0, 0
NODL, 150361, 45, 33.983, 0, 1, -3538.66, 0, 0, 0, 0, 0
NODL, 150362, 45, 33.483, 0, 1, -8181.4, 0, 0, 0, 0, 0
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NODL, 150868, -45, 15.417, 0, 1, 127208, 0, 0, 0, 0, 0
NODL, 150869, -45, 15.917, 0, 1, 123539, 0, 0, 0, 0, 0
NODL, 150870, -45, 16.417, 0, 1, 119879, 0, 0, 0, 0, 0
NODL, 150871, -45, 16.917, 0, 1, 116227, 0, 0, 0, 0, 0

NODL, 150872, -45, 17.417, 0, 1, 112584, 0, 0, 0, 0, 0
NODL, 150873, -45, 17.917, 0, 1, 108946, 0, 0, 0, 0, 0
NODL, 150874, -45, 18.417, 0, 1, 105310, 0, 0, 0, 0, 0
NODL, 150875, -45, 18.917, 0, 1, 101669, 0, 0, 0, 0, 0
NODL, 150876, -45, 19.417, 0, 1, 98008.6, 0, 0, 0, 0, 0
NODL, 150877, -45, 19.917, 0, 1, 94234.4, 0, 0, 0, 0, 0

LDSET, 1, Analisi 1-Pali+Protesi:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 123746, 182784, 0, 0, 0, 0
NODL, 138960, -45, 0.49585, 0, 1, 245294, 0, 0, 0, 0, 0
NODL, 138961, -45, 0.9917, 0, 1, 241428, 0, 0, 0, 0, 0
NODL, 138962, -45, 1.48755, 0, 1, 237559, 0, 0, 0, 0, 0
NODL, 138963, -45, 1.9834, 0, 1, 233689, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 229816, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 225943, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 222069, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 218193, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 214316, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 210438, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 206560, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 202680, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 198801, 0, 0, 0, 0, 0
NODL, 138973, -45, 6.9419, 0, 1, 194921, 0, 0, 0, 0, 0
NODL, 138974, -45, 7.43775, 0, 1, 191040, 0, 0, 0, 0, 0
NODL, 138975, -45, 7.9336, 0, 1, 187162, 0, 0, 0, 0, 0
NODL, 138976, -45, 8.42945, 0, 1, 183282, 0, 0, 0, 0, 0
NODL, 138977, -45, 8.9253, 0, 1, 179404, 0, 0, 0, 0, 0
NODL, 138978, -45, 9.42115, 0, 1, 175528, 0, 0, 0, 0, 0
NODL, 138979, -45, 9.917, 0, 1, 172354, 0, 0, 0, 0, 0
NODL, 138980, 45, 0, 0, 1, -126106, 171680, 0, 0, 0, 0
NODL, 138981, 44.5, 0, 0, 1, 0, 343359, 0, 0, 0, 0
NODL, 138982, 44, 0, 0, 1, 0, 343357, 0, 0, 0, 0
NODL, 138983, 43.5, 0, 0, 1, 0, 343354, 0, 0, 0, 0
NODL, 138984, 43, 0, 0, 1, 0, 343350, 0, 0, 0, 0
NODL, 138985, 42.5, 0, 0, 1, 0, 343344, 0, 0, 0, 0
NODL, 138986, 42, 0, 0, 1, 0, 343337, 0, 0, 0, 0
NODL, 138987, 41.5, 0, 0, 1, 0, 343328, 0, 0, 0, 0
NODL, 138988, 41, 0, 0, 1, 0, 343316, 0, 0, 0, 0
NODL, 138989, 40.5, 0, 0, 1, 0, 343303, 0, 0, 0, 0
NODL, 138990, 40, 0, 0, 1, 0, 343289, 0, 0, 0, 0
NODL, 138991, 39.5, 0, 0, 1, 0, 343273, 0, 0, 0, 0
NODL, 138992, 39, 0, 0, 1, 0, 343256, 0, 0, 0, 0
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NODL, 138994, 38, 0, 0, 1, 0, 343218, 0, 0, 0, 0
NODL, 138995, 37.5, 0, 0, 1, 0, 343196, 0, 0, 0, 0
NODL, 138996, 37, 0, 0, 1, 0, 343171, 0, 0, 0, 0
NODL, 138997, 36.5, 0, 0, 1, 0, 343143, 0, 0, 0, 0
NODL, 138998, 36, 0, 0, 1, 0, 343113, 0, 0, 0, 0
NODL, 138999, 35.5, 0, 0, 1, 0, 343079, 0, 0, 0, 0
NODL, 139000, 35, 0, 0, 1, 0, 343044, 0, 0, 0, 0
NODL, 139001, 34.5, 0, 0, 1, 0, 343007, 0, 0, 0, 0
NODL, 139002, 34, 0, 0, 1, 0, 342970, 0, 0, 0, 0
NODL, 139003, 33.5, 0, 0, 1, 0, 342931, 0, 0, 0, 0
NODL, 139004, 33, 0, 0, 1, 0, 342891, 0, 0, 0, 0
NODL, 139005, 32.5, 0, 0, 1, 0, 342848, 0, 0, 0, 0
NODL, 139006, 32, 0, 0, 1, 0, 342802, 0, 0, 0, 0
NODL, 139007, 31.5, 0, 0, 1, 0, 342754, 0, 0, 0, 0
NODL, 139008, 31, 0, 0, 1, 0, 342706, 0, 0, 0, 0
NODL, 139009, 30.5, 0, 0, 1, 0, 342657, 0, 0, 0, 0
NODL, 139010, 30, 0, 0, 1, 0, 342606, 0, 0, 0, 0

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NODL, 139012, 29, 0, 0, 1, 0, 342506, 0, 0, 0, 0
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NODL, 139023, 23.5, 0, 0, 1, 0, 342153, 0, 0, 0, 0
NODL, 139024, 23, 0, 0, 1, 0, 342162, 0, 0, 0, 0
NODL, 139025, 22.5, 0, 0, 1, 0, 342183, 0, 0, 0, 0
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NODL, 139027, 21.5, 0, 0, 1, 0, 342266, 0, 0, 0, 0
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NODL, 139031, 19.5, 0, 0, 1, 0, 342628, 0, 0, 0, 0
NODL, 139032, 19, 0, 0, 1, 0, 342768, 0, 0, 0, 0
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NODL, 139034, 18, 0, 0, 1, 0, 343120, 0, 0, 0, 0
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NODL, 139036, 17, 0, 0, 1, 0, 343571, 0, 0, 0, 0
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NODL, 139038, 16, 0, 0, 1, 0, 344124, 0, 0, 0, 0
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NODL, 139040, 15, 0, 0, 1, 0, 344775, 0, 0, 0, 0
NODL, 139041, 14.5, 0, 0, 1, 0, 345134, 0, 0, 0, 0
NODL, 139042, 14, 0, 0, 1, 0, 345513, 0, 0, 0, 0
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NODL, 139051, 9.5, 0, 0, 1, 0, 349027, 0, 0, 0, 0
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NODL, 139054, 8, 0, 0, 1, 0, 349761, 0, 0, 0, 0
NODL, 139055, 7.5, 0, 0, 1, 0, 349913, 0, 0, 0, 0
NODL, 139056, 7, 0, 0, 1, 0, 350018, 0, 0, 0, 0
NODL, 139057, 6.5, 0, 0, 1, 0, 350076, 0, 0, 0, 0
NODL, 139058, 6, 0, 0, 1, 0, 350091, 0, 0, 0, 0
NODL, 139059, 5.5, 0, 0, 1, 0, 350069, 0, 0, 0, 0
NODL, 139060, 5, 0, 0, 1, 0, 350017, 0, 0, 0, 0
NODL, 139061, 4.5, 0, 0, 1, 0, 349941, 0, 0, 0, 0
NODL, 139062, 4, 0, 0, 1, 0, 349853, 0, 0, 0, 0
NODL, 139063, 3.5, 0, 0, 1, 0, 349761, 0, 0, 0, 0

NODL, 139064, 3, 0, 0, 1, 0, 349674, 0, 0, 0, 0
NODL, 139065, 2.5, 0, 0, 1, 0, 349602, 0, 0, 0, 0
NODL, 139066, 2, 0, 0, 1, 0, 349550, 0, 0, 0, 0
NODL, 139067, 1.5, 0, 0, 1, 0, 349526, 0, 0, 0, 0
NODL, 139068, 1, 0, 0, 1, 0, 349535, 0, 0, 0, 0
NODL, 139069, 0.5, 0, 0, 1, 0, 349582, 0, 0, 0, 0
NODL, 139070, 0, 0, 0, 1, 0, 349668, 0, 0, 0, 0
NODL, 139071, -0.5, 0, 0, 1, 0, 349795, 0, 0, 0, 0
NODL, 139072, -1, 0, 0, 1, 0, 349964, 0, 0, 0, 0
NODL, 139073, -1.5, 0, 0, 1, 0, 350170, 0, 0, 0, 0
NODL, 139074, -2, 0, 0, 1, 0, 350411, 0, 0, 0, 0
NODL, 139075, -2.5, 0, 0, 1, 0, 350680, 0, 0, 0, 0
NODL, 139076, -3, 0, 0, 1, 0, 350972, 0, 0, 0, 0
NODL, 139077, -3.5, 0, 0, 1, 0, 351279, 0, 0, 0, 0
NODL, 139078, -4, 0, 0, 1, 0, 351593, 0, 0, 0, 0
NODL, 139079, -4.5, 0, 0, 1, 0, 351905, 0, 0, 0, 0
NODL, 139080, -5, 0, 0, 1, 0, 352207, 0, 0, 0, 0
NODL, 139081, -5.5, 0, 0, 1, 0, 352489, 0, 0, 0, 0
NODL, 139082, -6, 0, 0, 1, 0, 352745, 0, 0, 0, 0
NODL, 139083, -6.5, 0, 0, 1, 0, 352967, 0, 0, 0, 0
NODL, 139084, -7, 0, 0, 1, 0, 353150, 0, 0, 0, 0
NODL, 139085, -7.5, 0, 0, 1, 0, 353292, 0, 0, 0, 0
NODL, 139086, -8, 0, 0, 1, 0, 353389, 0, 0, 0, 0
NODL, 139087, -8.5, 0, 0, 1, 0, 353443, 0, 0, 0, 0
NODL, 139088, -9, 0, 0, 1, 0, 353455, 0, 0, 0, 0
NODL, 139089, -9.5, 0, 0, 1, 0, 353428, 0, 0, 0, 0
NODL, 139090, -10, 0, 0, 1, 0, 353367, 0, 0, 0, 0
NODL, 139091, -10.5, 0, 0, 1, 0, 353279, 0, 0, 0, 0
NODL, 139092, -11, 0, 0, 1, 0, 353168, 0, 0, 0, 0
NODL, 139093, -11.5, 0, 0, 1, 0, 353043, 0, 0, 0, 0
NODL, 139094, -12, 0, 0, 1, 0, 352912, 0, 0, 0, 0
NODL, 139095, -12.5, 0, 0, 1, 0, 352780, 0, 0, 0, 0
NODL, 139096, -13, 0, 0, 1, 0, 352654, 0, 0, 0, 0
NODL, 139097, -13.5, 0, 0, 1, 0, 352539, 0, 0, 0, 0
NODL, 139098, -14, 0, 0, 1, 0, 352440, 0, 0, 0, 0
NODL, 139099, -14.5, 0, 0, 1, 0, 352360, 0, 0, 0, 0
NODL, 139100, -15, 0, 0, 1, 0, 352303, 0, 0, 0, 0
NODL, 139101, -15.5, 0, 0, 1, 0, 352271, 0, 0, 0, 0
NODL, 139102, -16, 0, 0, 1, 0, 352266, 0, 0, 0, 0
NODL, 139103, -16.5, 0, 0, 1, 0, 352289, 0, 0, 0, 0
NODL, 139104, -17, 0, 0, 1, 0, 352339, 0, 0, 0, 0
NODL, 139105, -17.5, 0, 0, 1, 0, 352418, 0, 0, 0, 0
NODL, 139106, -18, 0, 0, 1, 0, 352524, 0, 0, 0, 0
NODL, 139107, -18.5, 0, 0, 1, 0, 352656, 0, 0, 0, 0
NODL, 139108, -19, 0, 0, 1, 0, 352814, 0, 0, 0, 0
NODL, 139109, -19.5, 0, 0, 1, 0, 352997, 0, 0, 0, 0
NODL, 139110, -20, 0, 0, 1, 0, 353202, 0, 0, 0, 0
NODL, 139111, -20.5, 0, 0, 1, 0, 353428, 0, 0, 0, 0
NODL, 139112, -21, 0, 0, 1, 0, 353674, 0, 0, 0, 0
NODL, 139113, -21.5, 0, 0, 1, 0, 353939, 0, 0, 0, 0
NODL, 139114, -22, 0, 0, 1, 0, 354220, 0, 0, 0, 0
NODL, 139115, -22.5, 0, 0, 1, 0, 354516, 0, 0, 0, 0
NODL, 139116, -23, 0, 0, 1, 0, 354825, 0, 0, 0, 0

NODL, 139117, -23.5, 0, 0, 1, 0, 355144, 0, 0, 0, 0
NODL, 139118, -24, 0, 0, 1, 0, 355474, 0, 0, 0, 0
NODL, 139119, -24.5, 0, 0, 1, 0, 355812, 0, 0, 0, 0
NODL, 139120, -25, 0, 0, 1, 0, 356156, 0, 0, 0, 0
NODL, 139121, -25.5, 0, 0, 1, 0, 356506, 0, 0, 0, 0
NODL, 139122, -26, 0, 0, 1, 0, 356860, 0, 0, 0, 0
NODL, 139123, -26.5, 0, 0, 1, 0, 357217, 0, 0, 0, 0
NODL, 139124, -27, 0, 0, 1, 0, 357575, 0, 0, 0, 0
NODL, 139125, -27.5, 0, 0, 1, 0, 357934, 0, 0, 0, 0
NODL, 139126, -28, 0, 0, 1, 0, 358293, 0, 0, 0, 0
NODL, 139127, -28.5, 0, 0, 1, 0, 358652, 0, 0, 0, 0
NODL, 139128, -29, 0, 0, 1, 0, 359008, 0, 0, 0, 0
NODL, 139129, -29.5, 0, 0, 1, 0, 359361, 0, 0, 0, 0
NODL, 139130, -30, 0, 0, 1, 0, 359709, 0, 0, 0, 0
NODL, 139131, -30.5, 0, 0, 1, 0, 360052, 0, 0, 0, 0
NODL, 139132, -31, 0, 0, 1, 0, 360389, 0, 0, 0, 0
NODL, 139133, -31.5, 0, 0, 1, 0, 360720, 0, 0, 0, 0
NODL, 139134, -32, 0, 0, 1, 0, 361044, 0, 0, 0, 0
NODL, 139135, -32.5, 0, 0, 1, 0, 361360, 0, 0, 0, 0
NODL, 139136, -33, 0, 0, 1, 0, 361668, 0, 0, 0, 0
NODL, 139137, -33.5, 0, 0, 1, 0, 361966, 0, 0, 0, 0
NODL, 139138, -34, 0, 0, 1, 0, 362256, 0, 0, 0, 0
NODL, 139139, -34.5, 0, 0, 1, 0, 362535, 0, 0, 0, 0
NODL, 139140, -35, 0, 0, 1, 0, 362805, 0, 0, 0, 0
NODL, 139141, -35.5, 0, 0, 1, 0, 363063, 0, 0, 0, 0
NODL, 139142, -36, 0, 0, 1, 0, 363311, 0, 0, 0, 0
NODL, 139143, -36.5, 0, 0, 1, 0, 363547, 0, 0, 0, 0
NODL, 139144, -37, 0, 0, 1, 0, 363772, 0, 0, 0, 0
NODL, 139145, -37.5, 0, 0, 1, 0, 363984, 0, 0, 0, 0
NODL, 139146, -38, 0, 0, 1, 0, 364185, 0, 0, 0, 0
NODL, 139147, -38.5, 0, 0, 1, 0, 364372, 0, 0, 0, 0
NODL, 139148, -39, 0, 0, 1, 0, 364547, 0, 0, 0, 0
NODL, 139149, -39.5, 0, 0, 1, 0, 364708, 0, 0, 0, 0
NODL, 139150, -40, 0, 0, 1, 0, 364855, 0, 0, 0, 0
NODL, 139151, -40.5, 0, 0, 1, 0, 364988, 0, 0, 0, 0
NODL, 139152, -41, 0, 0, 1, 0, 365108, 0, 0, 0, 0
NODL, 139153, -41.5, 0, 0, 1, 0, 365214, 0, 0, 0, 0
NODL, 139154, -42, 0, 0, 1, 0, 365307, 0, 0, 0, 0
NODL, 139155, -42.5, 0, 0, 1, 0, 365386, 0, 0, 0, 0
NODL, 139156, -43, 0, 0, 1, 0, 365451, 0, 0, 0, 0
NODL, 139157, -43.5, 0, 0, 1, 0, 365502, 0, 0, 0, 0
NODL, 139158, -44, 0, 0, 1, 0, 365538, 0, 0, 0, 0
NODL, 139159, -44.5, 0, 0, 1, 0, 365561, 0, 0, 0, 0
NODL, 139160, 45, 6.983, 0, 1, -199306, 0, 0, 0, 0, 0
NODL, 139161, 45, 6.48421, 0, 1, -202980, 0, 0, 0, 0, 0
NODL, 139162, 45, 5.98543, 0, 1, -206895, 0, 0, 0, 0, 0
NODL, 139163, 45, 5.48664, 0, 1, -210818, 0, 0, 0, 0, 0
NODL, 139164, 45, 4.98785, 0, 1, -214737, 0, 0, 0, 0, 0
NODL, 139165, 45, 4.48907, 0, 1, -218656, 0, 0, 0, 0, 0
NODL, 139166, 45, 3.99028, 0, 1, -222573, 0, 0, 0, 0, 0
NODL, 139167, 45, 3.4915, 0, 1, -226491, 0, 0, 0, 0, 0
NODL, 139168, 45, 2.99271, 0, 1, -230410, 0, 0, 0, 0, 0
NODL, 139169, 45, 2.49393, 0, 1, -234328, 0, 0, 0, 0, 0

NODL, 139170, 45, 1.99514, 0, 1, -238244, 0, 0, 0, 0, 0
NODL, 139171, 45, 1.49636, 0, 1, -242159, 0, 0, 0, 0, 0
NODL, 139172, 45, 0.997571, 0, 1, -246074, 0, 0, 0, 0, 0
NODL, 139173, 45, 0.498785, 0, 1, -249986, 0, 0, 0, 0, 0
NODL, 142253, 45, 22.983, 0, 1, -64182.4, 0, 0, 0, 0, 0
NODL, 142329, 45, 17.483, 0, 1, -111893, 0, 0, 0, 0, 0
NODL, 142336, 45, 22.483, 0, 1, -65568.3, 0, 0, 0, 0, 0
NODL, 142337, 45, 21.983, 0, 1, -69551.8, 0, 0, 0, 0, 0
NODL, 142338, 45, 21.483, 0, 1, -73482.5, 0, 0, 0, 0, 0
NODL, 142339, 45, 20.983, 0, 1, -77415, 0, 0, 0, 0, 0
NODL, 142340, 45, 20.483, 0, 1, -81354.7, 0, 0, 0, 0, 0
NODL, 142341, 45, 19.983, 0, 1, -85305.9, 0, 0, 0, 0, 0
NODL, 142342, 45, 19.483, 0, 1, -89273.7, 0, 0, 0, 0, 0
NODL, 142343, 45, 18.983, 0, 1, -93265.4, 0, 0, 0, 0, 0
NODL, 142344, 45, 18.483, 0, 1, -97293.3, 0, 0, 0, 0, 0
NODL, 142345, 45, 17.983, 0, 1, -101434, 0, 0, 0, 0, 0
NODL, 143090, -45, 25.917, 0, 1, 47333.8, 0, 0, 0, 0, 0
NODL, 143171, -45, 20.417, 0, 1, 81771.7, 0, 0, 0, 0, 0
NODL, 143172, -45, 20.917, 0, 1, 69569.5, 0, 0, 0, 0, 0
NODL, 143173, -45, 21.417, 0, 1, 66131.4, 0, 0, 0, 0, 0
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NODL, 143176, -45, 22.917, 0, 1, 55376.3, 0, 0, 0, 0, 0
NODL, 143177, -45, 23.417, 0, 1, 51792.9, 0, 0, 0, 0, 0
NODL, 143178, -45, 23.917, 0, 1, 48232.8, 0, 0, 0, 0, 0
NODL, 143179, -45, 24.417, 0, 1, 44711.9, 0, 0, 0, 0, 0
NODL, 143180, -45, 24.917, 0, 1, 41329.8, 0, 0, 0, 0, 0
NODL, 143181, -45, 25.417, 0, 1, 39105.3, 0, 0, 0, 0, 0
NODL, 144106, 45, 11.983, 0, 1, -160249, 0, 0, 0, 0, 0
NODL, 144107, -45, 14.917, 0, 1, 133895, 0, 0, 0, 0, 0
NODL, 144185, -45, 10.417, 0, 1, 169158, 0, 0, 0, 0, 0
NODL, 144186, -45, 10.917, 0, 1, 165226, 0, 0, 0, 0, 0
NODL, 144187, -45, 11.417, 0, 1, 161301, 0, 0, 0, 0, 0
NODL, 144188, -45, 11.917, 0, 1, 157377, 0, 0, 0, 0, 0
NODL, 144189, -45, 12.417, 0, 1, 153453, 0, 0, 0, 0, 0
NODL, 144190, -45, 12.917, 0, 1, 149532, 0, 0, 0, 0, 0
NODL, 144191, -45, 13.417, 0, 1, 145614, 0, 0, 0, 0, 0
NODL, 144192, -45, 13.917, 0, 1, 141702, 0, 0, 0, 0, 0
NODL, 144193, -45, 14.417, 0, 1, 137796, 0, 0, 0, 0, 0
NODL, 144198, 45, 11.483, 0, 1, -164161, 0, 0, 0, 0, 0
NODL, 144199, 45, 10.983, 0, 1, -168078, 0, 0, 0, 0, 0
NODL, 144200, 45, 10.483, 0, 1, -172002, 0, 0, 0, 0, 0
NODL, 144201, 45, 9.983, 0, 1, -175924, 0, 0, 0, 0, 0
NODL, 144202, 45, 9.483, 0, 1, -179850, 0, 0, 0, 0, 0
NODL, 144203, 45, 8.983, 0, 1, -183789, 0, 0, 0, 0, 0
NODL, 144204, 45, 8.483, 0, 1, -187725, 0, 0, 0, 0, 0
NODL, 144205, 45, 7.983, 0, 1, -191666, 0, 0, 0, 0, 0
NODL, 144206, 45, 7.483, 0, 1, -195605, 0, 0, 0, 0, 0
NODL, 145918, 45, 27.983, 0, 1, -35813.8, 0, 0, 0, 0, 0
NODL, 145919, 45, 27.483, 0, 1, -38494.2, 0, 0, 0, 0, 0
NODL, 145920, 45, 26.983, 0, 1, -41179.7, 0, 0, 0, 0, 0
NODL, 145921, 45, 26.483, 0, 1, -43858.4, 0, 0, 0, 0, 0
NODL, 145922, 45, 25.983, 0, 1, -46528.7, 0, 0, 0, 0, 0

NODL, 145923, 45, 25.483, 0, 1, -49196.3, 0, 0, 0, 0, 0
NODL, 145924, 45, 24.983, 0, 1, -52029.1, 0, 0, 0, 0, 0
NODL, 145925, 45, 24.483, 0, 1, -55709.1, 0, 0, 0, 0, 0
NODL, 145926, 45, 23.983, 0, 1, -59495.6, 0, 0, 0, 0, 0
NODL, 145927, 45, 23.483, 0, 1, -63164.1, 0, 0, 0, 0, 0
NODL, 146659, 45, 16.983, 0, 1, -121673, 0, 0, 0, 0, 0
NODL, 146660, 45, 16.483, 0, 1, -125380, 0, 0, 0, 0, 0
NODL, 146661, 45, 15.983, 0, 1, -129188, 0, 0, 0, 0, 0
NODL, 146662, 45, 15.483, 0, 1, -133026, 0, 0, 0, 0, 0
NODL, 146663, 45, 14.983, 0, 1, -136883, 0, 0, 0, 0, 0
NODL, 146664, 45, 14.483, 0, 1, -140754, 0, 0, 0, 0, 0
NODL, 146665, 45, 13.983, 0, 1, -144637, 0, 0, 0, 0, 0
NODL, 146666, 45, 13.483, 0, 1, -148528, 0, 0, 0, 0, 0
NODL, 146667, 45, 12.983, 0, 1, -152426, 0, 0, 0, 0, 0
NODL, 146668, 45, 12.483, 0, 1, -156333, 0, 0, 0, 0, 0
NODL, 147840, -45, 36.917, 0, 1, -721.71, 0, 0, 0, 0, 0
NODL, 147897, -45, 35.417, 0, 1, 4596.75, 0, 0, 0, 0, 0
NODL, 147898, -45, 35.917, 0, 1, 2067.76, 0, 0, 0, 0, 0
NODL, 147899, -45, 36.417, 0, 1, -374.978, 0, 0, 0, 0, 0
NODL, 148232, -45, 26.417, 0, 1, 54135.3, 0, 0, 0, 0, 0
NODL, 148233, -45, 26.917, 0, 1, 51039.1, 0, 0, 0, 0, 0
NODL, 148234, -45, 27.417, 0, 1, 48127.9, 0, 0, 0, 0, 0
NODL, 148235, -45, 27.917, 0, 1, 45270.2, 0, 0, 0, 0, 0
NODL, 148236, -45, 28.417, 0, 1, 42434.8, 0, 0, 0, 0, 0
NODL, 148237, -45, 28.917, 0, 1, 39626.5, 0, 0, 0, 0, 0
NODL, 148238, -45, 29.417, 0, 1, 36833.6, 0, 0, 0, 0, 0
NODL, 148239, -45, 29.917, 0, 1, 34064.1, 0, 0, 0, 0, 0
NODL, 148240, -45, 30.417, 0, 1, 31309.9, 0, 0, 0, 0, 0
NODL, 148241, -45, 30.917, 0, 1, 28560.5, 0, 0, 0, 0, 0
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NODL, 148951, -45, 31.917, 0, 1, 23140.4, 0, 0, 0, 0, 0
NODL, 148952, -45, 32.417, 0, 1, 20446.1, 0, 0, 0, 0, 0
NODL, 148953, -45, 32.917, 0, 1, 17772.8, 0, 0, 0, 0, 0
NODL, 148954, -45, 33.417, 0, 1, 15101.7, 0, 0, 0, 0, 0
NODL, 148955, -45, 33.917, 0, 1, 12455.2, 0, 0, 0, 0, 0
NODL, 148956, -45, 34.417, 0, 1, 9812.34, 0, 0, 0, 0, 0
NODL, 148957, -45, 34.917, 0, 1, 7194.26, 0, 0, 0, 0, 0
NODL, 149444, 45, 32.483, 0, 1, -11372.8, 0, 0, 0, 0, 0
NODL, 149445, 45, 31.983, 0, 1, -14102, 0, 0, 0, 0, 0
NODL, 149446, 45, 31.483, 0, 1, -16831, 0, 0, 0, 0, 0
NODL, 149447, 45, 30.983, 0, 1, -19548.5, 0, 0, 0, 0, 0
NODL, 149448, 45, 30.483, 0, 1, -22260.1, 0, 0, 0, 0, 0
NODL, 149449, 45, 29.983, 0, 1, -24978.9, 0, 0, 0, 0, 0
NODL, 149450, 45, 29.483, 0, 1, -27698.2, 0, 0, 0, 0, 0
NODL, 149451, 45, 28.983, 0, 1, -30398.6, 0, 0, 0, 0, 0
NODL, 149452, 45, 28.483, 0, 1, -33106.7, 0, 0, 0, 0, 0
NODL, 150361, 45, 33.983, 0, 1, -2294.84, 0, 0, 0, 0, 0
NODL, 150362, 45, 33.483, 0, 1, -5875.23, 0, 0, 0, 0, 0
NODL, 150363, 45, 32.983, 0, 1, -8615.55, 0, 0, 0, 0, 0
NODL, 150868, -45, 15.417, 0, 1, 130006, 0, 0, 0, 0, 0
NODL, 150869, -45, 15.917, 0, 1, 126119, 0, 0, 0, 0, 0
NODL, 150870, -45, 16.417, 0, 1, 122235, 0, 0, 0, 0, 0
NODL, 150871, -45, 16.917, 0, 1, 118357, 0, 0, 0, 0, 0

NODL, 150872, -45, 17.417, 0, 1, 114483, 0, 0, 0, 0, 0
NODL, 150873, -45, 17.917, 0, 1, 110611, 0, 0, 0, 0, 0
NODL, 150874, -45, 18.417, 0, 1, 106739, 0, 0, 0, 0, 0
NODL, 150875, -45, 18.917, 0, 1, 102858, 0, 0, 0, 0, 0
NODL, 150876, -45, 19.417, 0, 1, 98957, 0, 0, 0, 0, 0
NODL, 150877, -45, 19.917, 0, 1, 94941.3, 0, 0, 0, 0, 0

LDSET, 1, Analisi 1-Ritombamento:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 128312, 183930, 0, 0, 0, 0
NODL, 138960, -45, 0.49585, 0, 1, 254423, 0, 0, 0, 0, 0
NODL, 138961, -45, 0.9917, 0, 1, 250548, 0, 0, 0, 0, 0
NODL, 138962, -45, 1.48755, 0, 1, 246667, 0, 0, 0, 0, 0
NODL, 138963, -45, 1.9834, 0, 1, 242777, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 238881, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 234978, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 231069, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 227153, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 223230, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 219300, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 215364, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 211421, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 207473, 0, 0, 0, 0, 0
NODL, 138973, -45, 6.9419, 0, 1, 203518, 0, 0, 0, 0, 0
NODL, 138974, -45, 7.43775, 0, 1, 199556, 0, 0, 0, 0, 0
NODL, 138975, -45, 7.9336, 0, 1, 195590, 0, 0, 0, 0, 0
NODL, 138976, -45, 8.42945, 0, 1, 191618, 0, 0, 0, 0, 0
NODL, 138977, -45, 8.9253, 0, 1, 187640, 0, 0, 0, 0, 0
NODL, 138978, -45, 9.42115, 0, 1, 183658, 0, 0, 0, 0, 0
NODL, 138979, -45, 9.917, 0, 1, 180404, 0, 0, 0, 0, 0
NODL, 138980, 45, 0, 0, 1, -130599, 172338, 0, 0, 0, 0
NODL, 138981, 44.5, 0, 0, 1, 0, 344680, 0, 0, 0, 0
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NODL, 146668, 45, 12.483, 0, 1, -163350, 0, 0, 0, 0, 0
NODL, 147840, -45, 36.917, 0, 1, -1610.08, 0, 0, 0, 0, 0
NODL, 147897, -45, 35.417, 0, 1, 2930.31, 0, 0, 0, 0, 0
NODL, 147898, -45, 35.917, 0, 1, 316.069, 0, 0, 0, 0, 0
NODL, 147899, -45, 36.417, 0, 1, -2180.65, 0, 0, 0, 0, 0
NODL, 148232, -45, 26.417, 0, 1, 54115.6, 0, 0, 0, 0, 0
NODL, 148233, -45, 26.917, 0, 1, 50949.8, 0, 0, 0, 0, 0
NODL, 148234, -45, 27.417, 0, 1, 47966, 0, 0, 0, 0, 0
NODL, 148235, -45, 27.917, 0, 1, 45032.6, 0, 0, 0, 0, 0
NODL, 148236, -45, 28.417, 0, 1, 42118.3, 0, 0, 0, 0, 0
NODL, 148237, -45, 28.917, 0, 1, 39227.6, 0, 0, 0, 0, 0
NODL, 148238, -45, 29.417, 0, 1, 36348.9, 0, 0, 0, 0, 0
NODL, 148239, -45, 29.917, 0, 1, 33490.5, 0, 0, 0, 0, 0
NODL, 148240, -45, 30.417, 0, 1, 30644.3, 0, 0, 0, 0, 0
NODL, 148241, -45, 30.917, 0, 1, 27800, 0, 0, 0, 0, 0
NODL, 148950, -45, 31.417, 0, 1, 24987.6, 0, 0, 0, 0, 0
NODL, 148951, -45, 31.917, 0, 1, 22182.9, 0, 0, 0, 0, 0
NODL, 148952, -45, 32.417, 0, 1, 19387.2, 0, 0, 0, 0, 0
NODL, 148953, -45, 32.917, 0, 1, 16611.3, 0, 0, 0, 0, 0
NODL, 148954, -45, 33.417, 0, 1, 13836.6, 0, 0, 0, 0, 0
NODL, 148955, -45, 33.917, 0, 1, 11086.6, 0, 0, 0, 0, 0
NODL, 148956, -45, 34.417, 0, 1, 8341.11, 0, 0, 0, 0, 0
NODL, 148957, -45, 34.917, 0, 1, 5622.92, 0, 0, 0, 0, 0
NODL, 149444, 45, 32.483, 0, 1, -10517, 0, 0, 0, 0, 0
NODL, 149445, 45, 31.983, 0, 1, -13355.8, 0, 0, 0, 0, 0
NODL, 149446, 45, 31.483, 0, 1, -16189.6, 0, 0, 0, 0, 0
NODL, 149447, 45, 30.983, 0, 1, -19007.9, 0, 0, 0, 0, 0
NODL, 149448, 45, 30.483, 0, 1, -21816.6, 0, 0, 0, 0, 0
NODL, 149449, 45, 29.983, 0, 1, -24629.4, 0, 0, 0, 0, 0
NODL, 149450, 45, 29.483, 0, 1, -27439.4, 0, 0, 0, 0, 0
NODL, 149451, 45, 28.983, 0, 1, -30227, 0, 0, 0, 0, 0
NODL, 149452, 45, 28.483, 0, 1, -33019, 0, 0, 0, 0, 0
NODL, 150361, 45, 33.983, 0, 1, -1670.82, 0, 0, 0, 0, 0
NODL, 150362, 45, 33.483, 0, 1, -4764.35, 0, 0, 0, 0, 0
NODL, 150363, 45, 32.983, 0, 1, -7642.42, 0, 0, 0, 0, 0
NODL, 150868, -45, 15.417, 0, 1, 136333, 0, 0, 0, 0, 0
NODL, 150869, -45, 15.917, 0, 1, 132236, 0, 0, 0, 0, 0
NODL, 150870, -45, 16.417, 0, 1, 128135, 0, 0, 0, 0, 0
NODL, 150871, -45, 16.917, 0, 1, 124030, 0, 0, 0, 0, 0

NODL, 150872, -45, 17.417, 0, 1, 119920, 0, 0, 0, 0, 0
NODL, 150873, -45, 17.917, 0, 1, 115803, 0, 0, 0, 0, 0
NODL, 150874, -45, 18.417, 0, 1, 111677, 0, 0, 0, 0, 0
NODL, 150875, -45, 18.917, 0, 1, 107534, 0, 0, 0, 0, 0
NODL, 150876, -45, 19.417, 0, 1, 103363, 0, 0, 0, 0, 0
NODL, 150877, -45, 19.917, 0, 1, 99071.8, 0, 0, 0, 0, 0

LDSET, 1, Analisi 1-Rivestimento definitivo:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 126242, 184005, 0, 0, 0, 0
NODL, 138960, -45, 0.49585, 0, 1, 250284, 0, 0, 0, 0, 0
NODL, 138961, -45, 0.9917, 0, 1, 246412, 0, 0, 0, 0, 0
NODL, 138962, -45, 1.48755, 0, 1, 242535, 0, 0, 0, 0, 0
NODL, 138963, -45, 1.9834, 0, 1, 238651, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 234763, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 230869, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 226971, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 223068, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 219159, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 215246, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 211328, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 207404, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 203478, 0, 0, 0, 0, 0
NODL, 138973, -45, 6.9419, 0, 1, 199546, 0, 0, 0, 0, 0
NODL, 138974, -45, 7.43775, 0, 1, 195609, 0, 0, 0, 0, 0
NODL, 138975, -45, 7.9336, 0, 1, 191670, 0, 0, 0, 0, 0
NODL, 138976, -45, 8.42945, 0, 1, 187725, 0, 0, 0, 0, 0
NODL, 138977, -45, 8.9253, 0, 1, 183777, 0, 0, 0, 0, 0
NODL, 138978, -45, 9.42115, 0, 1, 179827, 0, 0, 0, 0, 0
NODL, 138979, -45, 9.917, 0, 1, 176590, 0, 0, 0, 0, 0
NODL, 138980, 45, 0, 0, 1, -128482, 172379, 0, 0, 0, 0
NODL, 138981, 44.5, 0, 0, 1, 0, 344762, 0, 0, 0, 0
NODL, 138982, 44, 0, 0, 1, 0, 344772, 0, 0, 0, 0
NODL, 138983, 43.5, 0, 0, 1, 0, 344789, 0, 0, 0, 0
NODL, 138984, 43, 0, 0, 1, 0, 344814, 0, 0, 0, 0
NODL, 138985, 42.5, 0, 0, 1, 0, 344845, 0, 0, 0, 0
NODL, 138986, 42, 0, 0, 1, 0, 344883, 0, 0, 0, 0
NODL, 138987, 41.5, 0, 0, 1, 0, 344927, 0, 0, 0, 0
NODL, 138988, 41, 0, 0, 1, 0, 344977, 0, 0, 0, 0
NODL, 138989, 40.5, 0, 0, 1, 0, 345034, 0, 0, 0, 0
NODL, 138990, 40, 0, 0, 1, 0, 345098, 0, 0, 0, 0
NODL, 138991, 39.5, 0, 0, 1, 0, 345169, 0, 0, 0, 0
NODL, 138992, 39, 0, 0, 1, 0, 345248, 0, 0, 0, 0
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NODL, 139001, 34.5, 0, 0, 1, 0, 346232, 0, 0, 0, 0
NODL, 139002, 34, 0, 0, 1, 0, 346375, 0, 0, 0, 0
NODL, 139003, 33.5, 0, 0, 1, 0, 346525, 0, 0, 0, 0
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NODL, 139010, 30, 0, 0, 1, 0, 347751, 0, 0, 0, 0

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NODL, 139021, 24.5, 0, 0, 1, 0, 350529, 0, 0, 0, 0
NODL, 139022, 24, 0, 0, 1, 0, 350855, 0, 0, 0, 0
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NODL, 139027, 21.5, 0, 0, 1, 0, 352737, 0, 0, 0, 0
NODL, 139028, 21, 0, 0, 1, 0, 353172, 0, 0, 0, 0
NODL, 139029, 20.5, 0, 0, 1, 0, 353629, 0, 0, 0, 0
NODL, 139030, 20, 0, 0, 1, 0, 354108, 0, 0, 0, 0
NODL, 139031, 19.5, 0, 0, 1, 0, 354610, 0, 0, 0, 0
NODL, 139032, 19, 0, 0, 1, 0, 355138, 0, 0, 0, 0
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NODL, 139036, 17, 0, 0, 1, 0, 357501, 0, 0, 0, 0
NODL, 139037, 16.5, 0, 0, 1, 0, 358148, 0, 0, 0, 0
NODL, 139038, 16, 0, 0, 1, 0, 358815, 0, 0, 0, 0
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NODL, 139040, 15, 0, 0, 1, 0, 360191, 0, 0, 0, 0
NODL, 139041, 14.5, 0, 0, 1, 0, 360889, 0, 0, 0, 0
NODL, 139042, 14, 0, 0, 1, 0, 361585, 0, 0, 0, 0
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NODL, 139044, 13, 0, 0, 1, 0, 362937, 0, 0, 0, 0
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NODL, 139046, 12, 0, 0, 1, 0, 364162, 0, 0, 0, 0
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NODL, 139048, 11, 0, 0, 1, 0, 365162, 0, 0, 0, 0
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NODL, 139054, 8, 0, 0, 1, 0, 365881, 0, 0, 0, 0
NODL, 139055, 7.5, 0, 0, 1, 0, 365600, 0, 0, 0, 0
NODL, 139056, 7, 0, 0, 1, 0, 365209, 0, 0, 0, 0
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NODL, 139058, 6, 0, 0, 1, 0, 364142, 0, 0, 0, 0
NODL, 139059, 5.5, 0, 0, 1, 0, 363500, 0, 0, 0, 0
NODL, 139060, 5, 0, 0, 1, 0, 362812, 0, 0, 0, 0
NODL, 139061, 4.5, 0, 0, 1, 0, 362102, 0, 0, 0, 0
NODL, 139062, 4, 0, 0, 1, 0, 361395, 0, 0, 0, 0
NODL, 139063, 3.5, 0, 0, 1, 0, 360717, 0, 0, 0, 0

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NODL, 139066, 2, 0, 0, 1, 0, 359095, 0, 0, 0, 0
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NODL, 139077, -3.5, 0, 0, 1, 0, 362793, 0, 0, 0, 0
NODL, 139078, -4, 0, 0, 1, 0, 363766, 0, 0, 0, 0
NODL, 139079, -4.5, 0, 0, 1, 0, 364767, 0, 0, 0, 0
NODL, 139080, -5, 0, 0, 1, 0, 365772, 0, 0, 0, 0
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NODL, 139082, -6, 0, 0, 1, 0, 367697, 0, 0, 0, 0
NODL, 139083, -6.5, 0, 0, 1, 0, 368573, 0, 0, 0, 0
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NODL, 139087, -8.5, 0, 0, 1, 0, 371116, 0, 0, 0, 0
NODL, 139088, -9, 0, 0, 1, 0, 371469, 0, 0, 0, 0
NODL, 139089, -9.5, 0, 0, 1, 0, 371706, 0, 0, 0, 0
NODL, 139090, -10, 0, 0, 1, 0, 371832, 0, 0, 0, 0
NODL, 139091, -10.5, 0, 0, 1, 0, 371854, 0, 0, 0, 0
NODL, 139092, -11, 0, 0, 1, 0, 371784, 0, 0, 0, 0
NODL, 139093, -11.5, 0, 0, 1, 0, 371633, 0, 0, 0, 0
NODL, 139094, -12, 0, 0, 1, 0, 371414, 0, 0, 0, 0
NODL, 139095, -12.5, 0, 0, 1, 0, 371142, 0, 0, 0, 0
NODL, 139096, -13, 0, 0, 1, 0, 370828, 0, 0, 0, 0
NODL, 139097, -13.5, 0, 0, 1, 0, 370485, 0, 0, 0, 0
NODL, 139098, -14, 0, 0, 1, 0, 370122, 0, 0, 0, 0
NODL, 139099, -14.5, 0, 0, 1, 0, 369751, 0, 0, 0, 0
NODL, 139100, -15, 0, 0, 1, 0, 369378, 0, 0, 0, 0
NODL, 139101, -15.5, 0, 0, 1, 0, 369011, 0, 0, 0, 0
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NODL, 139103, -16.5, 0, 0, 1, 0, 368318, 0, 0, 0, 0
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NODL, 139106, -18, 0, 0, 1, 0, 367429, 0, 0, 0, 0
NODL, 139107, -18.5, 0, 0, 1, 0, 367180, 0, 0, 0, 0
NODL, 139108, -19, 0, 0, 1, 0, 366956, 0, 0, 0, 0
NODL, 139109, -19.5, 0, 0, 1, 0, 366756, 0, 0, 0, 0
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NODL, 139111, -20.5, 0, 0, 1, 0, 366427, 0, 0, 0, 0
NODL, 139112, -21, 0, 0, 1, 0, 366297, 0, 0, 0, 0
NODL, 139113, -21.5, 0, 0, 1, 0, 366188, 0, 0, 0, 0
NODL, 139114, -22, 0, 0, 1, 0, 366099, 0, 0, 0, 0
NODL, 139115, -22.5, 0, 0, 1, 0, 366029, 0, 0, 0, 0
NODL, 139116, -23, 0, 0, 1, 0, 365975, 0, 0, 0, 0

NODL, 139117, -23.5, 0, 0, 1, 0, 365937, 0, 0, 0, 0
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NODL, 139119, -24.5, 0, 0, 1, 0, 365903, 0, 0, 0, 0
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NODL, 139121, -25.5, 0, 0, 1, 0, 365918, 0, 0, 0, 0
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NODL, 139123, -26.5, 0, 0, 1, 0, 365970, 0, 0, 0, 0
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NODL, 139131, -30.5, 0, 0, 1, 0, 366442, 0, 0, 0, 0
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NODL, 139133, -31.5, 0, 0, 1, 0, 366594, 0, 0, 0, 0
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NODL, 139137, -33.5, 0, 0, 1, 0, 366910, 0, 0, 0, 0
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NODL, 139159, -44.5, 0, 0, 1, 0, 368008, 0, 0, 0, 0
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NODL, 139162, 45, 5.98543, 0, 1, -211324, 0, 0, 0, 0, 0
NODL, 139163, 45, 5.48664, 0, 1, -215298, 0, 0, 0, 0, 0
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NODL, 139165, 45, 4.48907, 0, 1, -223226, 0, 0, 0, 0, 0
NODL, 139166, 45, 3.99028, 0, 1, -227182, 0, 0, 0, 0, 0
NODL, 139167, 45, 3.4915, 0, 1, -231133, 0, 0, 0, 0, 0
NODL, 139168, 45, 2.99271, 0, 1, -235081, 0, 0, 0, 0, 0
NODL, 139169, 45, 2.49393, 0, 1, -239023, 0, 0, 0, 0, 0

NODL, 139170, 45, 1.99514, 0, 1, -242959, 0, 0, 0, 0, 0
NODL, 139171, 45, 1.49636, 0, 1, -246890, 0, 0, 0, 0, 0
NODL, 139172, 45, 0.997571, 0, 1, -250816, 0, 0, 0, 0, 0
NODL, 139173, 45, 0.498785, 0, 1, -254735, 0, 0, 0, 0, 0
NODL, 142253, 45, 22.983, 0, 1, -63635.8, 0, 0, 0, 0, 0
NODL, 142329, 45, 17.483, 0, 1, -113800, 0, 0, 0, 0, 0
NODL, 142336, 45, 22.483, 0, 1, -64893.6, 0, 0, 0, 0, 0
NODL, 142337, 45, 21.983, 0, 1, -69190.8, 0, 0, 0, 0, 0
NODL, 142338, 45, 21.483, 0, 1, -73421.2, 0, 0, 0, 0, 0
NODL, 142339, 45, 20.983, 0, 1, -77647.1, 0, 0, 0, 0, 0
NODL, 142340, 45, 20.483, 0, 1, -81874.4, 0, 0, 0, 0, 0
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NODL, 142342, 45, 19.483, 0, 1, -90352, 0, 0, 0, 0, 0
NODL, 142343, 45, 18.983, 0, 1, -94614.2, 0, 0, 0, 0, 0
NODL, 142344, 45, 18.483, 0, 1, -98905.8, 0, 0, 0, 0, 0
NODL, 142345, 45, 17.983, 0, 1, -103301, 0, 0, 0, 0, 0
NODL, 143090, -45, 25.917, 0, 1, 46000.9, 0, 0, 0, 0, 0
NODL, 143171, -45, 20.417, 0, 1, 82944.7, 0, 0, 0, 0, 0
NODL, 143172, -45, 20.917, 0, 1, 70538.1, 0, 0, 0, 0, 0
NODL, 143173, -45, 21.417, 0, 1, 66773.3, 0, 0, 0, 0, 0
NODL, 143174, -45, 21.917, 0, 1, 62872.9, 0, 0, 0, 0, 0
NODL, 143175, -45, 22.417, 0, 1, 58946.2, 0, 0, 0, 0, 0
NODL, 143176, -45, 22.917, 0, 1, 55013.1, 0, 0, 0, 0, 0
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NODL, 143178, -45, 23.917, 0, 1, 47190.9, 0, 0, 0, 0, 0
NODL, 143179, -45, 24.417, 0, 1, 43334.2, 0, 0, 0, 0, 0
NODL, 143180, -45, 24.917, 0, 1, 39621.5, 0, 0, 0, 0, 0
NODL, 143181, -45, 25.417, 0, 1, 37086, 0, 0, 0, 0, 0
NODL, 144106, 45, 11.983, 0, 1, -163662, 0, 0, 0, 0, 0
NODL, 144107, -45, 14.917, 0, 1, 137022, 0, 0, 0, 0, 0
NODL, 144185, -45, 10.417, 0, 1, 173326, 0, 0, 0, 0, 0
NODL, 144186, -45, 10.917, 0, 1, 169302, 0, 0, 0, 0, 0
NODL, 144187, -45, 11.417, 0, 1, 165280, 0, 0, 0, 0, 0
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NODL, 144192, -45, 13.917, 0, 1, 145104, 0, 0, 0, 0, 0
NODL, 144193, -45, 14.417, 0, 1, 141064, 0, 0, 0, 0, 0
NODL, 144198, 45, 11.483, 0, 1, -167690, 0, 0, 0, 0, 0
NODL, 144199, 45, 10.983, 0, 1, -171716, 0, 0, 0, 0, 0
NODL, 144200, 45, 10.483, 0, 1, -175744, 0, 0, 0, 0, 0
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NODL, 144202, 45, 9.483, 0, 1, -183783, 0, 0, 0, 0, 0
NODL, 144203, 45, 8.983, 0, 1, -187810, 0, 0, 0, 0, 0
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NODL, 144206, 45, 7.483, 0, 1, -199858, 0, 0, 0, 0, 0
NODL, 145918, 45, 27.983, 0, 1, -35278.8, 0, 0, 0, 0, 0
NODL, 145919, 45, 27.483, 0, 1, -38010.9, 0, 0, 0, 0, 0
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NODL, 145921, 45, 26.483, 0, 1, -43467.3, 0, 0, 0, 0, 0
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NODL, 145923, 45, 25.483, 0, 1, -48883.8, 0, 0, 0, 0, 0
NODL, 145924, 45, 24.983, 0, 1, -51751, 0, 0, 0, 0, 0
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NODL, 146661, 45, 15.983, 0, 1, -131457, 0, 0, 0, 0, 0
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NODL, 146666, 45, 13.483, 0, 1, -151558, 0, 0, 0, 0, 0
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NODL, 147898, -45, 35.917, 0, 1, 249.558, 0, 0, 0, 0, 0
NODL, 147899, -45, 36.417, 0, 1, -2225.47, 0, 0, 0, 0, 0
NODL, 148232, -45, 26.417, 0, 1, 53601.5, 0, 0, 0, 0, 0
NODL, 148233, -45, 26.917, 0, 1, 50451.8, 0, 0, 0, 0, 0
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NODL, 148240, -45, 30.417, 0, 1, 30314.3, 0, 0, 0, 0, 0
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NODL, 148955, -45, 33.917, 0, 1, 10929.7, 0, 0, 0, 0, 0
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NODL, 148957, -45, 34.917, 0, 1, 5512.2, 0, 0, 0, 0, 0
NODL, 149444, 45, 32.483, 0, 1, -10191, 0, 0, 0, 0, 0
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NODL, 150361, 45, 33.983, 0, 1, -1520.16, 0, 0, 0, 0, 0
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NODL, 150869, -45, 15.917, 0, 1, 128942, 0, 0, 0, 0, 0
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NODL, 150871, -45, 16.917, 0, 1, 120847, 0, 0, 0, 0, 0

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NODL, 150876, -45, 19.417, 0, 1, 100480, 0, 0, 0, 0, 0
NODL, 150877, -45, 19.917, 0, 1, 96247.5, 0, 0, 0, 0, 0

LDSET, 1, Analisi 1-Rilascio completo:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 124900, 184264, 0, 0, 0, 0
NODL, 138960, -45, 0.49585, 0, 1, 247601, 0, 0, 0, 0, 0
NODL, 138961, -45, 0.9917, 0, 1, 243735, 0, 0, 0, 0, 0
NODL, 138962, -45, 1.48755, 0, 1, 239866, 0, 0, 0, 0, 0
NODL, 138963, -45, 1.9834, 0, 1, 235995, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 232122, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 228247, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 224371, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 220494, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 216614, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 212733, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 208850, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 204966, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 201082, 0, 0, 0, 0, 0
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NODL, 138975, -45, 7.9336, 0, 1, 189419, 0, 0, 0, 0, 0
NODL, 138976, -45, 8.42945, 0, 1, 185529, 0, 0, 0, 0, 0
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NODL, 138980, 45, 0, 0, 1, -127185, 172679, 0, 0, 0, 0
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NODL, 138982, 44, 0, 0, 1, 0, 345366, 0, 0, 0, 0
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NODL, 138988, 41, 0, 0, 1, 0, 345499, 0, 0, 0, 0
NODL, 138989, 40.5, 0, 0, 1, 0, 345535, 0, 0, 0, 0
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NODL, 139060, 5, 0, 0, 1, 0, 349041, 0, 0, 0, 0
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NODL, 139089, -9.5, 0, 0, 1, 0, 360170, 0, 0, 0, 0
NODL, 139090, -10, 0, 0, 1, 0, 360651, 0, 0, 0, 0
NODL, 139091, -10.5, 0, 0, 1, 0, 361043, 0, 0, 0, 0
NODL, 139092, -11, 0, 0, 1, 0, 361355, 0, 0, 0, 0
NODL, 139093, -11.5, 0, 0, 1, 0, 361594, 0, 0, 0, 0
NODL, 139094, -12, 0, 0, 1, 0, 361772, 0, 0, 0, 0
NODL, 139095, -12.5, 0, 0, 1, 0, 361898, 0, 0, 0, 0
NODL, 139096, -13, 0, 0, 1, 0, 361983, 0, 0, 0, 0
NODL, 139097, -13.5, 0, 0, 1, 0, 362036, 0, 0, 0, 0
NODL, 139098, -14, 0, 0, 1, 0, 362065, 0, 0, 0, 0
NODL, 139099, -14.5, 0, 0, 1, 0, 362078, 0, 0, 0, 0
NODL, 139100, -15, 0, 0, 1, 0, 362082, 0, 0, 0, 0
NODL, 139101, -15.5, 0, 0, 1, 0, 362082, 0, 0, 0, 0
NODL, 139102, -16, 0, 0, 1, 0, 362085, 0, 0, 0, 0
NODL, 139103, -16.5, 0, 0, 1, 0, 362092, 0, 0, 0, 0
NODL, 139104, -17, 0, 0, 1, 0, 362108, 0, 0, 0, 0
NODL, 139105, -17.5, 0, 0, 1, 0, 362134, 0, 0, 0, 0
NODL, 139106, -18, 0, 0, 1, 0, 362172, 0, 0, 0, 0
NODL, 139107, -18.5, 0, 0, 1, 0, 362222, 0, 0, 0, 0
NODL, 139108, -19, 0, 0, 1, 0, 362285, 0, 0, 0, 0
NODL, 139109, -19.5, 0, 0, 1, 0, 362361, 0, 0, 0, 0
NODL, 139110, -20, 0, 0, 1, 0, 362449, 0, 0, 0, 0
NODL, 139111, -20.5, 0, 0, 1, 0, 362549, 0, 0, 0, 0
NODL, 139112, -21, 0, 0, 1, 0, 362660, 0, 0, 0, 0
NODL, 139113, -21.5, 0, 0, 1, 0, 362782, 0, 0, 0, 0
NODL, 139114, -22, 0, 0, 1, 0, 362914, 0, 0, 0, 0
NODL, 139115, -22.5, 0, 0, 1, 0, 363055, 0, 0, 0, 0
NODL, 139116, -23, 0, 0, 1, 0, 363202, 0, 0, 0, 0

NODL, 139117, -23.5, 0, 0, 1, 0, 363357, 0, 0, 0, 0
NODL, 139118, -24, 0, 0, 1, 0, 363517, 0, 0, 0, 0
NODL, 139119, -24.5, 0, 0, 1, 0, 363681, 0, 0, 0, 0
NODL, 139120, -25, 0, 0, 1, 0, 363850, 0, 0, 0, 0
NODL, 139121, -25.5, 0, 0, 1, 0, 364022, 0, 0, 0, 0
NODL, 139122, -26, 0, 0, 1, 0, 364195, 0, 0, 0, 0
NODL, 139123, -26.5, 0, 0, 1, 0, 364370, 0, 0, 0, 0
NODL, 139124, -27, 0, 0, 1, 0, 364546, 0, 0, 0, 0
NODL, 139125, -27.5, 0, 0, 1, 0, 364723, 0, 0, 0, 0
NODL, 139126, -28, 0, 0, 1, 0, 364901, 0, 0, 0, 0
NODL, 139127, -28.5, 0, 0, 1, 0, 365078, 0, 0, 0, 0
NODL, 139128, -29, 0, 0, 1, 0, 365255, 0, 0, 0, 0
NODL, 139129, -29.5, 0, 0, 1, 0, 365429, 0, 0, 0, 0
NODL, 139130, -30, 0, 0, 1, 0, 365602, 0, 0, 0, 0
NODL, 139131, -30.5, 0, 0, 1, 0, 365771, 0, 0, 0, 0
NODL, 139132, -31, 0, 0, 1, 0, 365938, 0, 0, 0, 0
NODL, 139133, -31.5, 0, 0, 1, 0, 366102, 0, 0, 0, 0
NODL, 139134, -32, 0, 0, 1, 0, 366263, 0, 0, 0, 0
NODL, 139135, -32.5, 0, 0, 1, 0, 366419, 0, 0, 0, 0
NODL, 139136, -33, 0, 0, 1, 0, 366572, 0, 0, 0, 0
NODL, 139137, -33.5, 0, 0, 1, 0, 366720, 0, 0, 0, 0
NODL, 139138, -34, 0, 0, 1, 0, 366864, 0, 0, 0, 0
NODL, 139139, -34.5, 0, 0, 1, 0, 367003, 0, 0, 0, 0
NODL, 139140, -35, 0, 0, 1, 0, 367137, 0, 0, 0, 0
NODL, 139141, -35.5, 0, 0, 1, 0, 367266, 0, 0, 0, 0
NODL, 139142, -36, 0, 0, 1, 0, 367390, 0, 0, 0, 0
NODL, 139143, -36.5, 0, 0, 1, 0, 367508, 0, 0, 0, 0
NODL, 139144, -37, 0, 0, 1, 0, 367621, 0, 0, 0, 0
NODL, 139145, -37.5, 0, 0, 1, 0, 367727, 0, 0, 0, 0
NODL, 139146, -38, 0, 0, 1, 0, 367828, 0, 0, 0, 0
NODL, 139147, -38.5, 0, 0, 1, 0, 367923, 0, 0, 0, 0
NODL, 139148, -39, 0, 0, 1, 0, 368011, 0, 0, 0, 0
NODL, 139149, -39.5, 0, 0, 1, 0, 368092, 0, 0, 0, 0
NODL, 139150, -40, 0, 0, 1, 0, 368166, 0, 0, 0, 0
NODL, 139151, -40.5, 0, 0, 1, 0, 368233, 0, 0, 0, 0
NODL, 139152, -41, 0, 0, 1, 0, 368293, 0, 0, 0, 0
NODL, 139153, -41.5, 0, 0, 1, 0, 368347, 0, 0, 0, 0
NODL, 139154, -42, 0, 0, 1, 0, 368394, 0, 0, 0, 0
NODL, 139155, -42.5, 0, 0, 1, 0, 368434, 0, 0, 0, 0
NODL, 139156, -43, 0, 0, 1, 0, 368467, 0, 0, 0, 0
NODL, 139157, -43.5, 0, 0, 1, 0, 368493, 0, 0, 0, 0
NODL, 139158, -44, 0, 0, 1, 0, 368512, 0, 0, 0, 0
NODL, 139159, -44.5, 0, 0, 1, 0, 368523, 0, 0, 0, 0
NODL, 139160, 45, 6.983, 0, 1, -201375, 0, 0, 0, 0, 0
NODL, 139161, 45, 6.48421, 0, 1, -205060, 0, 0, 0, 0, 0
NODL, 139162, 45, 5.98543, 0, 1, -208989, 0, 0, 0, 0, 0
NODL, 139163, 45, 5.48664, 0, 1, -212922, 0, 0, 0, 0, 0
NODL, 139164, 45, 4.98785, 0, 1, -216852, 0, 0, 0, 0, 0
NODL, 139165, 45, 4.48907, 0, 1, -220779, 0, 0, 0, 0, 0
NODL, 139166, 45, 3.99028, 0, 1, -224704, 0, 0, 0, 0, 0
NODL, 139167, 45, 3.4915, 0, 1, -228628, 0, 0, 0, 0, 0
NODL, 139168, 45, 2.99271, 0, 1, -232553, 0, 0, 0, 0, 0
NODL, 139169, 45, 2.49393, 0, 1, -236475, 0, 0, 0, 0, 0

NODL, 139170, 45, 1.99514, 0, 1, -240395, 0, 0, 0, 0, 0
NODL, 139171, 45, 1.49636, 0, 1, -244313, 0, 0, 0, 0, 0
NODL, 139172, 45, 0.997571, 0, 1, -248229, 0, 0, 0, 0, 0
NODL, 139173, 45, 0.498785, 0, 1, -252143, 0, 0, 0, 0, 0
NODL, 142253, 45, 22.983, 0, 1, -63949.6, 0, 0, 0, 0, 0
NODL, 142329, 45, 17.483, 0, 1, -113139, 0, 0, 0, 0, 0
NODL, 142336, 45, 22.483, 0, 1, -65283.3, 0, 0, 0, 0, 0
NODL, 142337, 45, 21.983, 0, 1, -69467.7, 0, 0, 0, 0, 0
NODL, 142338, 45, 21.483, 0, 1, -73586.4, 0, 0, 0, 0, 0
NODL, 142339, 45, 20.983, 0, 1, -77699.5, 0, 0, 0, 0, 0
NODL, 142340, 45, 20.483, 0, 1, -81812.9, 0, 0, 0, 0, 0
NODL, 142341, 45, 19.983, 0, 1, -85931.6, 0, 0, 0, 0, 0
NODL, 142342, 45, 19.483, 0, 1, -90060.5, 0, 0, 0, 0, 0
NODL, 142343, 45, 18.983, 0, 1, -94207.2, 0, 0, 0, 0, 0
NODL, 142344, 45, 18.483, 0, 1, -98383.6, 0, 0, 0, 0, 0
NODL, 142345, 45, 17.983, 0, 1, -102665, 0, 0, 0, 0, 0
NODL, 143090, -45, 25.917, 0, 1, 46598.5, 0, 0, 0, 0, 0
NODL, 143171, -45, 20.417, 0, 1, 82745.8, 0, 0, 0, 0, 0
NODL, 143172, -45, 20.917, 0, 1, 70430.3, 0, 0, 0, 0, 0
NODL, 143173, -45, 21.417, 0, 1, 66785.4, 0, 0, 0, 0, 0
NODL, 143174, -45, 21.917, 0, 1, 63004, 0, 0, 0, 0, 0
NODL, 143175, -45, 22.417, 0, 1, 59195.2, 0, 0, 0, 0, 0
NODL, 143176, -45, 22.917, 0, 1, 55378.5, 0, 0, 0, 0, 0
NODL, 143177, -45, 23.417, 0, 1, 51569.9, 0, 0, 0, 0, 0
NODL, 143178, -45, 23.917, 0, 1, 47783.1, 0, 0, 0, 0, 0
NODL, 143179, -45, 24.417, 0, 1, 44035.5, 0, 0, 0, 0, 0
NODL, 143180, -45, 24.917, 0, 1, 40427.3, 0, 0, 0, 0, 0
NODL, 143181, -45, 25.417, 0, 1, 37985.2, 0, 0, 0, 0, 0
NODL, 144106, 45, 11.983, 0, 1, -162066, 0, 0, 0, 0, 0
NODL, 144107, -45, 14.917, 0, 1, 135777, 0, 0, 0, 0, 0
NODL, 144185, -45, 10.417, 0, 1, 171360, 0, 0, 0, 0, 0
NODL, 144186, -45, 10.917, 0, 1, 167406, 0, 0, 0, 0, 0
NODL, 144187, -45, 11.417, 0, 1, 163458, 0, 0, 0, 0, 0
NODL, 144188, -45, 11.917, 0, 1, 159506, 0, 0, 0, 0, 0
NODL, 144189, -45, 12.417, 0, 1, 155551, 0, 0, 0, 0, 0
NODL, 144190, -45, 12.917, 0, 1, 151595, 0, 0, 0, 0, 0
NODL, 144191, -45, 13.417, 0, 1, 147639, 0, 0, 0, 0, 0
NODL, 144192, -45, 13.917, 0, 1, 143683, 0, 0, 0, 0, 0
NODL, 144193, -45, 14.417, 0, 1, 139730, 0, 0, 0, 0, 0
NODL, 144198, 45, 11.483, 0, 1, -166015, 0, 0, 0, 0, 0
NODL, 144199, 45, 10.983, 0, 1, -169966, 0, 0, 0, 0, 0
NODL, 144200, 45, 10.483, 0, 1, -173921, 0, 0, 0, 0, 0
NODL, 144201, 45, 9.983, 0, 1, -177872, 0, 0, 0, 0, 0
NODL, 144202, 45, 9.483, 0, 1, -181824, 0, 0, 0, 0, 0
NODL, 144203, 45, 8.983, 0, 1, -185787, 0, 0, 0, 0, 0
NODL, 144204, 45, 8.483, 0, 1, -189743, 0, 0, 0, 0, 0
NODL, 144205, 45, 7.983, 0, 1, -193705, 0, 0, 0, 0, 0
NODL, 144206, 45, 7.483, 0, 1, -197661, 0, 0, 0, 0, 0
NODL, 145918, 45, 27.983, 0, 1, -35762.6, 0, 0, 0, 0, 0
NODL, 145919, 45, 27.483, 0, 1, -38459.4, 0, 0, 0, 0, 0
NODL, 145920, 45, 26.983, 0, 1, -41157.9, 0, 0, 0, 0, 0
NODL, 145921, 45, 26.483, 0, 1, -43846.1, 0, 0, 0, 0, 0
NODL, 145922, 45, 25.983, 0, 1, -46522.6, 0, 0, 0, 0, 0

NODL, 145923, 45, 25.483, 0, 1, -49193.4, 0, 0, 0, 0, 0
NODL, 145924, 45, 24.983, 0, 1, -52026.4, 0, 0, 0, 0, 0
NODL, 145925, 45, 24.483, 0, 1, -55704, 0, 0, 0, 0, 0
NODL, 145926, 45, 23.983, 0, 1, -59485.7, 0, 0, 0, 0, 0
NODL, 145927, 45, 23.483, 0, 1, -63146.8, 0, 0, 0, 0, 0
NODL, 146659, 45, 16.983, 0, 1, -122904, 0, 0, 0, 0, 0
NODL, 146660, 45, 16.483, 0, 1, -126690, 0, 0, 0, 0, 0
NODL, 146661, 45, 15.983, 0, 1, -130572, 0, 0, 0, 0, 0
NODL, 146662, 45, 15.483, 0, 1, -134479, 0, 0, 0, 0, 0
NODL, 146663, 45, 14.983, 0, 1, -138401, 0, 0, 0, 0, 0
NODL, 146664, 45, 14.483, 0, 1, -142332, 0, 0, 0, 0, 0
NODL, 146665, 45, 13.983, 0, 1, -146270, 0, 0, 0, 0, 0
NODL, 146666, 45, 13.483, 0, 1, -150212, 0, 0, 0, 0, 0
NODL, 146667, 45, 12.983, 0, 1, -154159, 0, 0, 0, 0, 0
NODL, 146668, 45, 12.483, 0, 1, -158109, 0, 0, 0, 0, 0
NODL, 147840, -45, 36.917, 0, 1, -1218.91, 0, 0, 0, 0, 0
NODL, 147897, -45, 35.417, 0, 1, 3666.68, 0, 0, 0, 0, 0
NODL, 147898, -45, 35.917, 0, 1, 1089.91, 0, 0, 0, 0, 0
NODL, 147899, -45, 36.417, 0, 1, -1384.24, 0, 0, 0, 0, 0
NODL, 148232, -45, 26.417, 0, 1, 53884.7, 0, 0, 0, 0, 0
NODL, 148233, -45, 26.917, 0, 1, 50771.6, 0, 0, 0, 0, 0
NODL, 148234, -45, 27.417, 0, 1, 47842.9, 0, 0, 0, 0, 0
NODL, 148235, -45, 27.917, 0, 1, 44965.6, 0, 0, 0, 0, 0
NODL, 148236, -45, 28.417, 0, 1, 42108.1, 0, 0, 0, 0, 0
NODL, 148237, -45, 28.917, 0, 1, 39274.7, 0, 0, 0, 0, 0
NODL, 148238, -45, 29.417, 0, 1, 36453.5, 0, 0, 0, 0, 0
NODL, 148239, -45, 29.917, 0, 1, 33652.4, 0, 0, 0, 0, 0
NODL, 148240, -45, 30.417, 0, 1, 30863.3, 0, 0, 0, 0, 0
NODL, 148241, -45, 30.917, 0, 1, 28075.7, 0, 0, 0, 0, 0
NODL, 148950, -45, 31.417, 0, 1, 25319.3, 0, 0, 0, 0, 0
NODL, 148951, -45, 31.917, 0, 1, 22569.9, 0, 0, 0, 0, 0
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NODL, 148953, -45, 32.917, 0, 1, 17106, 0, 0, 0, 0, 0
NODL, 148954, -45, 33.417, 0, 1, 14383.6, 0, 0, 0, 0, 0
NODL, 148955, -45, 33.917, 0, 1, 11684.4, 0, 0, 0, 0, 0
NODL, 148956, -45, 34.417, 0, 1, 8987.93, 0, 0, 0, 0, 0
NODL, 148957, -45, 34.917, 0, 1, 6316.27, 0, 0, 0, 0, 0
NODL, 149444, 45, 32.483, 0, 1, -11004, 0, 0, 0, 0, 0
NODL, 149445, 45, 31.983, 0, 1, -13784.6, 0, 0, 0, 0, 0
NODL, 149446, 45, 31.483, 0, 1, -16560.5, 0, 0, 0, 0, 0
NODL, 149447, 45, 30.983, 0, 1, -19320.7, 0, 0, 0, 0, 0
NODL, 149448, 45, 30.483, 0, 1, -22071.1, 0, 0, 0, 0, 0
NODL, 149449, 45, 29.983, 0, 1, -24825, 0, 0, 0, 0, 0
NODL, 149450, 45, 29.483, 0, 1, -27575.7, 0, 0, 0, 0, 0
NODL, 149451, 45, 28.983, 0, 1, -30303.6, 0, 0, 0, 0, 0
NODL, 149452, 45, 28.483, 0, 1, -33035.4, 0, 0, 0, 0, 0
NODL, 150361, 45, 33.983, 0, 1, -2013.04, 0, 0, 0, 0, 0
NODL, 150362, 45, 33.483, 0, 1, -5379.79, 0, 0, 0, 0, 0
NODL, 150363, 45, 32.983, 0, 1, -8189.38, 0, 0, 0, 0, 0
NODL, 150868, -45, 15.417, 0, 1, 131831, 0, 0, 0, 0, 0
NODL, 150869, -45, 15.917, 0, 1, 127880, 0, 0, 0, 0, 0
NODL, 150870, -45, 16.417, 0, 1, 123928, 0, 0, 0, 0, 0
NODL, 150871, -45, 16.917, 0, 1, 119976, 0, 0, 0, 0, 0

NODL, 150872, -45, 17.417, 0, 1, 116021, 0, 0, 0, 0, 0
NODL, 150873, -45, 17.917, 0, 1, 112061, 0, 0, 0, 0, 0
NODL, 150874, -45, 18.417, 0, 1, 108095, 0, 0, 0, 0, 0
NODL, 150875, -45, 18.917, 0, 1, 104113, 0, 0, 0, 0, 0
NODL, 150876, -45, 19.417, 0, 1, 100104, 0, 0, 0, 0, 0
NODL, 150877, -45, 19.917, 0, 1, 95972.4, 0, 0, 0, 0, 0

LDSET, 1, Analisi 1-Decadimento Protesi+Pali:INCR=10 (LOAD=1.000), Reactions-All, 0
NODL, 138959, -45, 0, 0, 1, 123970, 184991, 0, 0, 0, 0
NODL, 138960, -45, 0.49585, 0, 1, 245745, 0, 0, 0, 0, 0
NODL, 138961, -45, 0.9917, 0, 1, 241889, 0, 0, 0, 0, 0
NODL, 138962, -45, 1.48755, 0, 1, 238039, 0, 0, 0, 0, 0
NODL, 138963, -45, 1.9834, 0, 1, 234193, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 230352, 0, 0, 0, 0, 0
NODL, 138965, -45, 2.9751, 0, 1, 226517, 0, 0, 0, 0, 0
NODL, 138966, -45, 3.47095, 0, 1, 222688, 0, 0, 0, 0, 0
NODL, 138967, -45, 3.9668, 0, 1, 218864, 0, 0, 0, 0, 0
NODL, 138968, -45, 4.46265, 0, 1, 215045, 0, 0, 0, 0, 0
NODL, 138969, -45, 4.9585, 0, 1, 211230, 0, 0, 0, 0, 0
NODL, 138970, -45, 5.45435, 0, 1, 207420, 0, 0, 0, 0, 0
NODL, 138971, -45, 5.9502, 0, 1, 203615, 0, 0, 0, 0, 0
NODL, 138972, -45, 6.44605, 0, 1, 199816, 0, 0, 0, 0, 0
NODL, 138973, -45, 6.9419, 0, 1, 196020, 0, 0, 0, 0, 0
NODL, 138974, -45, 7.43775, 0, 1, 192228, 0, 0, 0, 0, 0
NODL, 138975, -45, 7.9336, 0, 1, 188441, 0, 0, 0, 0, 0
NODL, 138976, -45, 8.42945, 0, 1, 184658, 0, 0, 0, 0, 0
NODL, 138977, -45, 8.9253, 0, 1, 180879, 0, 0, 0, 0, 0
NODL, 138978, -45, 9.42115, 0, 1, 177104, 0, 0, 0, 0, 0
NODL, 138979, -45, 9.917, 0, 1, 174040, 0, 0, 0, 0, 0
NODL, 138980, 45, 0, 0, 1, -126351, 173528, 0, 0, 0, 0
NODL, 138981, 44.5, 0, 0, 1, 0, 347058, 0, 0, 0, 0
NODL, 138982, 44, 0, 0, 1, 0, 347062, 0, 0, 0, 0
NODL, 138983, 43.5, 0, 0, 1, 0, 347069, 0, 0, 0, 0
NODL, 138984, 43, 0, 0, 1, 0, 347079, 0, 0, 0, 0
NODL, 138985, 42.5, 0, 0, 1, 0, 347092, 0, 0, 0, 0
NODL, 138986, 42, 0, 0, 1, 0, 347107, 0, 0, 0, 0
NODL, 138987, 41.5, 0, 0, 1, 0, 347124, 0, 0, 0, 0
NODL, 138988, 41, 0, 0, 1, 0, 347143, 0, 0, 0, 0
NODL, 138989, 40.5, 0, 0, 1, 0, 347163, 0, 0, 0, 0
NODL, 138990, 40, 0, 0, 1, 0, 347187, 0, 0, 0, 0
NODL, 138991, 39.5, 0, 0, 1, 0, 347212, 0, 0, 0, 0
NODL, 138992, 39, 0, 0, 1, 0, 347240, 0, 0, 0, 0
NODL, 138993, 38.5, 0, 0, 1, 0, 347269, 0, 0, 0, 0
NODL, 138994, 38, 0, 0, 1, 0, 347300, 0, 0, 0, 0
NODL, 138995, 37.5, 0, 0, 1, 0, 347331, 0, 0, 0, 0
NODL, 138996, 37, 0, 0, 1, 0, 347362, 0, 0, 0, 0
NODL, 138997, 36.5, 0, 0, 1, 0, 347393, 0, 0, 0, 0
NODL, 138998, 36, 0, 0, 1, 0, 347423, 0, 0, 0, 0
NODL, 138999, 35.5, 0, 0, 1, 0, 347452, 0, 0, 0, 0
NODL, 139000, 35, 0, 0, 1, 0, 347480, 0, 0, 0, 0
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NODL, 139003, 33.5, 0, 0, 1, 0, 347564, 0, 0, 0, 0
NODL, 139004, 33, 0, 0, 1, 0, 347589, 0, 0, 0, 0
NODL, 139005, 32.5, 0, 0, 1, 0, 347610, 0, 0, 0, 0
NODL, 139006, 32, 0, 0, 1, 0, 347627, 0, 0, 0, 0
NODL, 139007, 31.5, 0, 0, 1, 0, 347641, 0, 0, 0, 0
NODL, 139008, 31, 0, 0, 1, 0, 347651, 0, 0, 0, 0
NODL, 139009, 30.5, 0, 0, 1, 0, 347657, 0, 0, 0, 0
NODL, 139010, 30, 0, 0, 1, 0, 347657, 0, 0, 0, 0

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NODL, 149450, 45, 29.483, 0, 1, -28961.9, 0, 0, 0, 0, 0
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NODL, 150868, -45, 15.417, 0, 1, 132820, 0, 0, 0, 0, 0
NODL, 150869, -45, 15.917, 0, 1, 129015, 0, 0, 0, 0, 0
NODL, 150870, -45, 16.417, 0, 1, 125209, 0, 0, 0, 0, 0
NODL, 150871, -45, 16.917, 0, 1, 121401, 0, 0, 0, 0, 0

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NODL, 150873, -45, 17.917, 0, 1, 113774, 0, 0, 0, 0, 0
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NODL, 150875, -45, 18.917, 0, 1, 106108, 0, 0, 0, 0, 0
NODL, 150876, -45, 19.417, 0, 1, 102238, 0, 0, 0, 0, 0
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LDSET, 1, Analisi 1-sisma:INCR=10 (LOAD=1.000), Reactions-All, 0
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NODL, 138961, -45, 0.9917, 0, 1, 116917, 0, 0, 0, 0, 0
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NODL, 138963, -45, 1.9834, 0, 1, 110660, 0, 0, 0, 0, 0
NODL, 138964, -45, 2.47925, 0, 1, 107648, 0, 0, 0, 0, 0
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NODL, 143177, -45, 23.417, 0, 1, 31919.9, 0, 0, 0, 0, 0
NODL, 143178, -45, 23.917, 0, 1, 28924, 0, 0, 0, 0, 0
NODL, 143179, -45, 24.417, 0, 1, 25944.6, 0, 0, 0, 0, 0
NODL, 143180, -45, 24.917, 0, 1, 23118.5, 0, 0, 0, 0, 0
NODL, 143181, -45, 25.417, 0, 1, 21337, 0, 0, 0, 0, 0
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NODL, 144107, -45, 14.917, 0, 1, 42740.4, 0, 0, 0, 0, 0
NODL, 144185, -45, 10.417, 0, 1, 67436, 0, 0, 0, 0, 0
NODL, 144186, -45, 10.917, 0, 1, 64723.7, 0, 0, 0, 0, 0
NODL, 144187, -45, 11.417, 0, 1, 61995.1, 0, 0, 0, 0, 0
NODL, 144188, -45, 11.917, 0, 1, 59260.6, 0, 0, 0, 0, 0
NODL, 144189, -45, 12.417, 0, 1, 56516.3, 0, 0, 0, 0, 0
NODL, 144190, -45, 12.917, 0, 1, 53772.5, 0, 0, 0, 0, 0
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NODL, 144198, 45, 11.483, 0, 1, -411295, 0, 0, 0, 0, 0
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NODL, 144200, 45, 10.483, 0, 1, -417627, 0, 0, 0, 0, 0
NODL, 144201, 45, 9.983, 0, 1, -420862, 0, 0, 0, 0, 0
NODL, 144202, 45, 9.483, 0, 1, -424141, 0, 0, 0, 0, 0
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NODL, 145918, 45, 27.983, 0, 1, -144574, 0, 0, 0, 0, 0
NODL, 145919, 45, 27.483, 0, 1, -145689, 0, 0, 0, 0, 0
NODL, 145920, 45, 26.983, 0, 1, -146905, 0, 0, 0, 0, 0
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NODL, 146663, 45, 14.983, 0, 1, -390938, 0, 0, 0, 0, 0
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NODL, 146668, 45, 12.483, 0, 1, -405173, 0, 0, 0, 0, 0
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NODL, 148232, -45, 26.417, 0, 1, 19920.4, 0, 0, 0, 0, 0
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NODL, 148238, -45, 29.417, 0, 1, 12218.2, 0, 0, 0, 0, 0
NODL, 148239, -45, 29.917, 0, 1, 10831.4, 0, 0, 0, 0, 0
NODL, 148240, -45, 30.417, 0, 1, 9476.56, 0, 0, 0, 0, 0
NODL, 148241, -45, 30.917, 0, 1, 8163.46, 0, 0, 0, 0, 0
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NODL, 149450, 45, 29.483, 0, 1, -139966, 0, 0, 0, 0, 0
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NODL, 149452, 45, 28.483, 0, 1, -143539, 0, 0, 0, 0, 0
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NODL, 150869, -45, 15.917, 0, 1, 37219.9, 0, 0, 0, 0, 0
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NODL, 150876, -45, 19.417, 0, 1, 17862.5, 0, 0, 0, 0, 0
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