

S.G.C. E78 GROSSETO – FANO

Tratto Siena Bettolle (A1)

Adeguamento a 4 corsie del tratto Siena–Ruffolo (Lotto 0)

**PROGETTO DEFINITIVO**

COD. FI-81

R.T.I. di PROGETTAZIONE: Mandataria

Mandante



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**VISTO: IL RESP. DEL PROCEDIMENTO**

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PROTOCOLLO

DATA



**06 - OPERE D'ARTE**

**06.05 - OPERE D'ARTE MAGGIORI - GALLERIE**

06.05.00 - Gallerie S. Lazzerò e Bucciano

Relazione di calcolo gallerie artificiali

CODICE PROGETTO			NOME FILE	REVISIONE	SCALA
PROGETTO	LIV. PROG.	N. PROG.	T00GN00OSTRE02B.pdf		
DPFI0081	D	20	CODICE ELAB. T00GN00OSTRE02	B	R
D					
C					
B	Revisione per istruttoria ANAS		Maggio 2021	Ciceri	Rivoltini Formichi
A	Emissione		Ottobre 2020	Ciceri	Rivoltini Formichi
REV.	DESCRIZIONE		DATA	REDATTO	VERIFICATO APPROVATO

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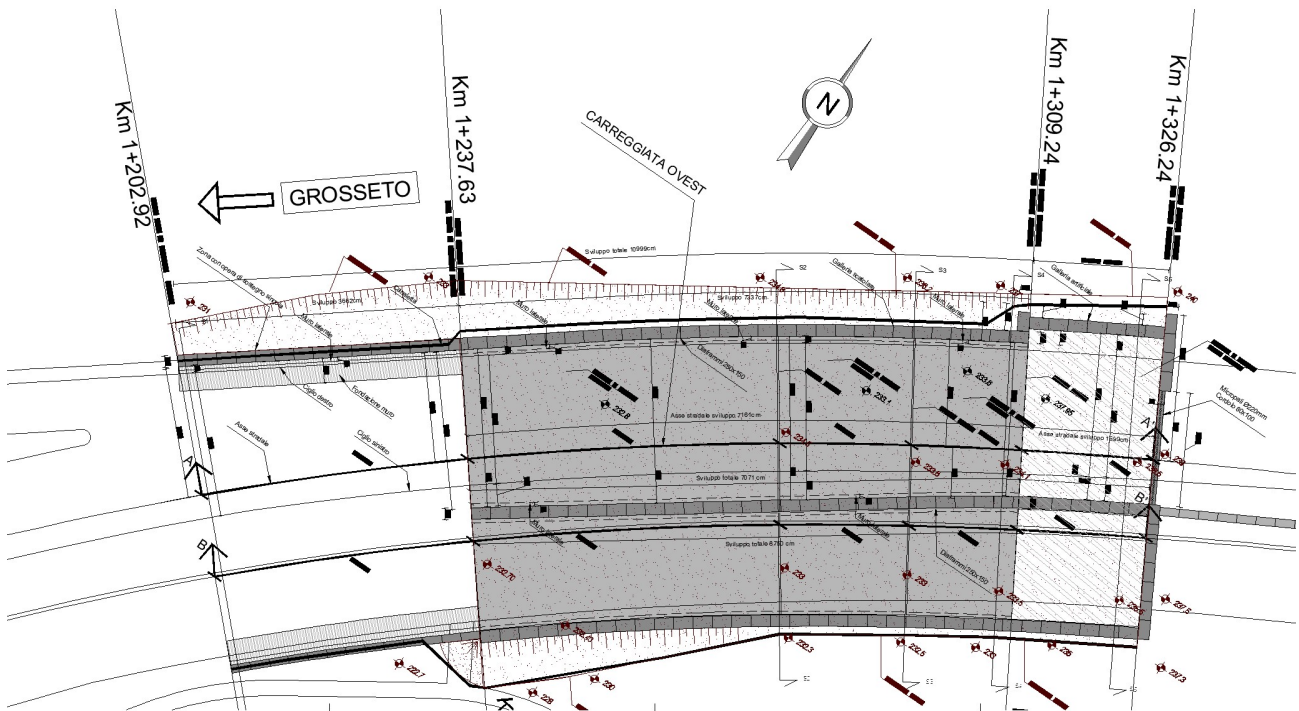
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## 1 PREMESSE

La presente relazione affronta le problematiche progettuali connesse alla realizzazione delle gallerie artificiali per la sistemazione definitiva degli imbocchi delle gallerie a doppia canna San Lazzerò e Bucciano, facenti parte del progetto definitivo di adeguamento a 4 corsie del tratto Siena-Ruffolo - Lotto 0 della S.G.C. E78 "Grosseto-Fano" - Tratto Siena Bettolle (A1).

Le planimetrie delle aree di interesse in fase definitiva sono riportate rispettivamente nelle figure da Figura 1 a Figura 4, mentre i profili in asse galleria di entrambe le canne delle gallerie San Lazzerò e Bucciano sono riportati nelle figure da Figura 5 a Figura 12.



**Figura 1 Planimetria galleria artificiale San Lazzerò - Imbocco Lato Grosseto**

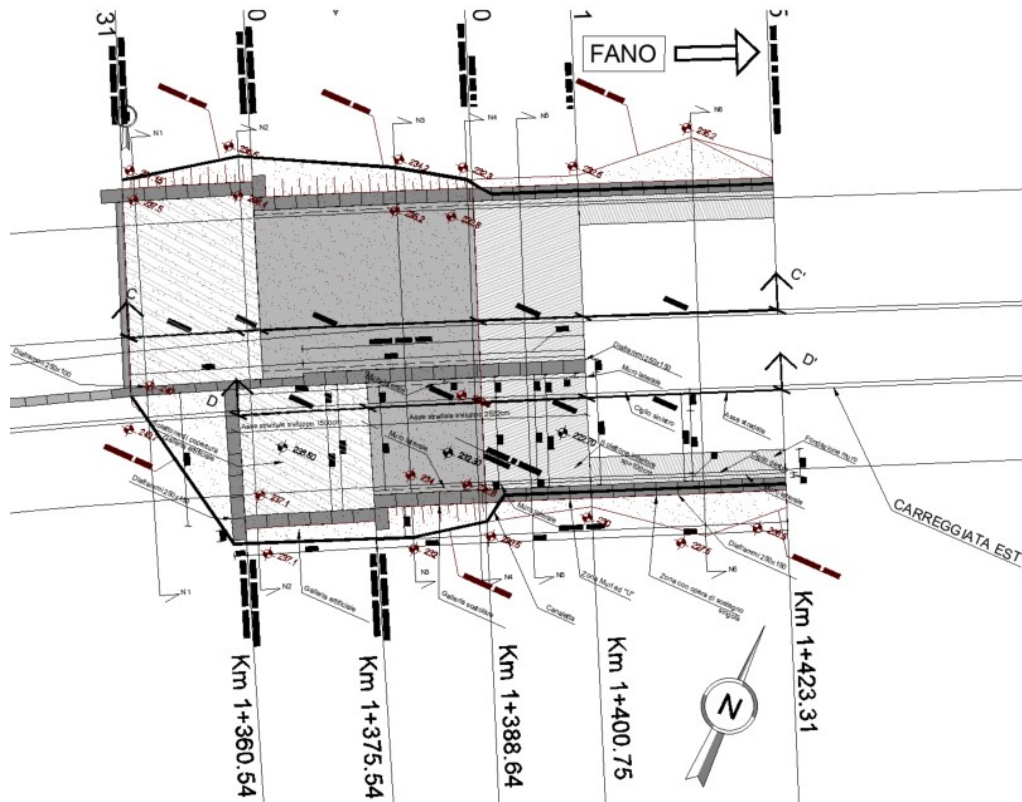


Figura 2 Planimetria galleria artificiale San Lazzero - Imbocco Lato Fano

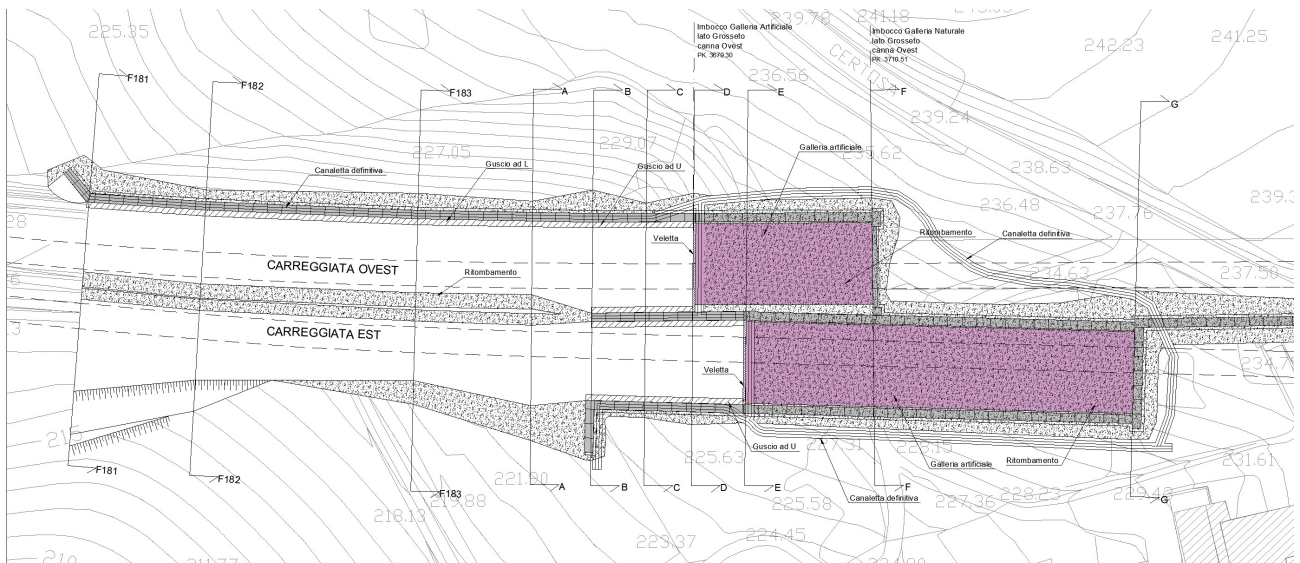


Figura 3 Planimetria galleria artificiale Bucciano - Imbocco Lato Grosseto

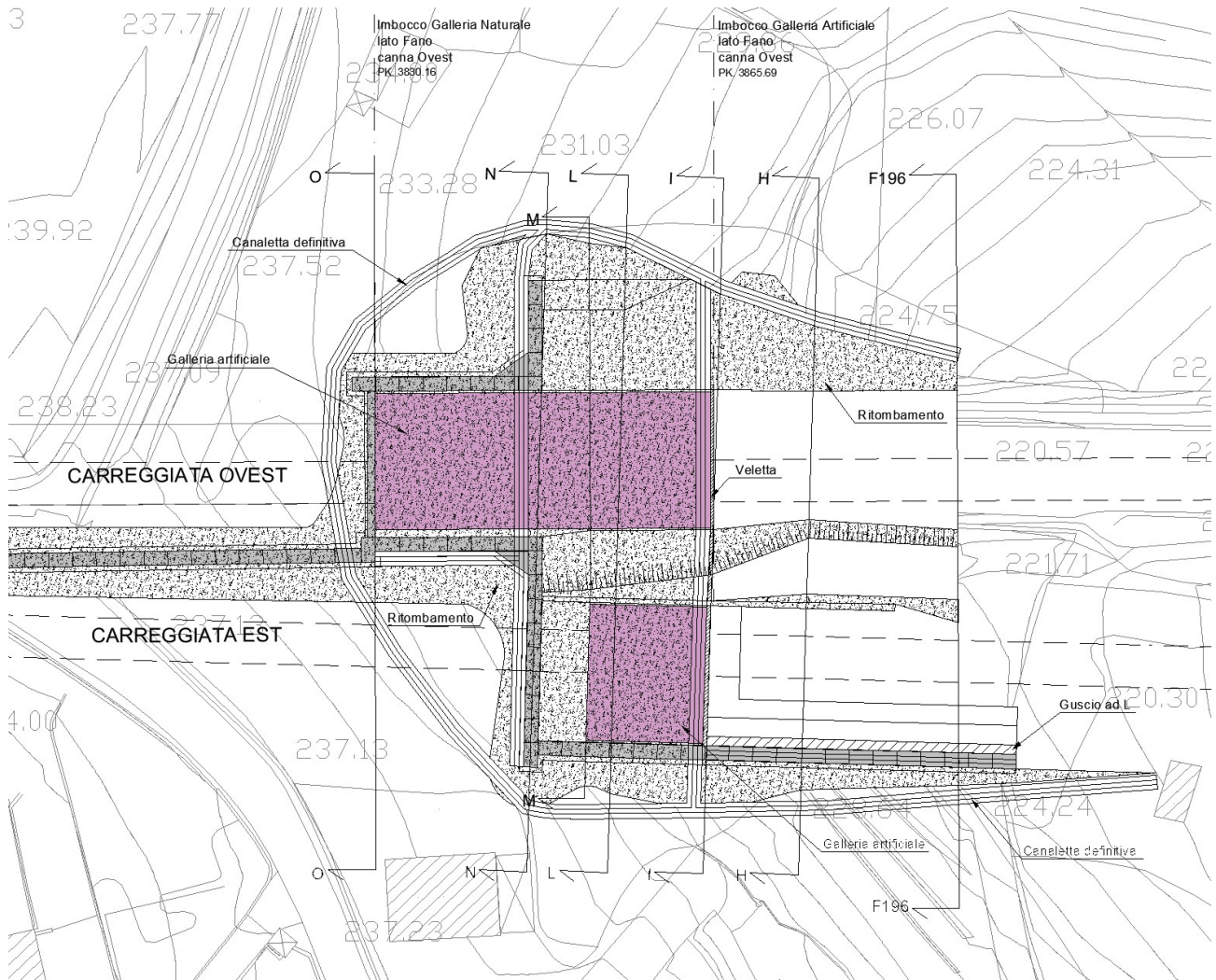


Figura 4 Planimetria galleria artificiale Bucciano – Imbocco Lato Fano

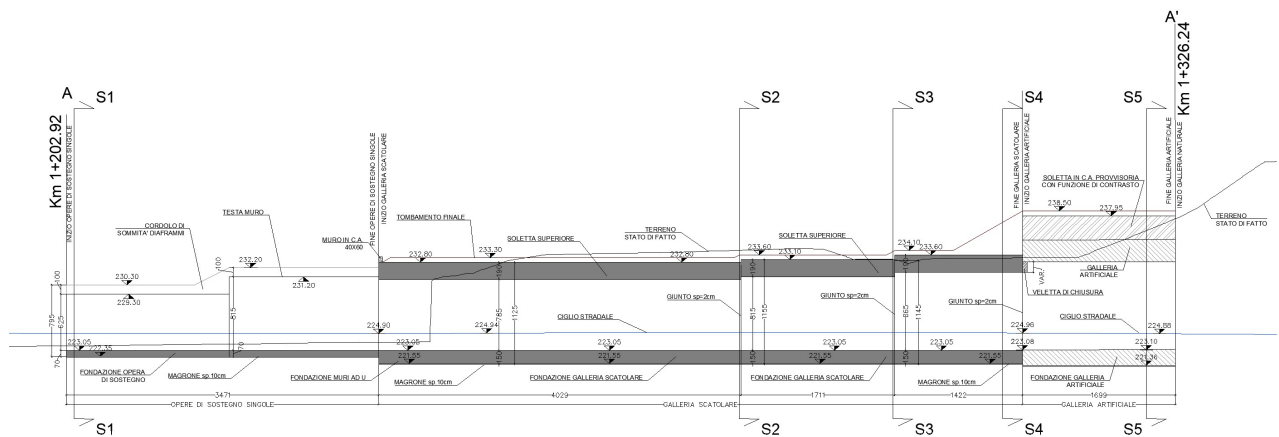


Figura 5 Profilo galleria artificiale San Lazzero Ovest – Imbocco Lato Grosseto

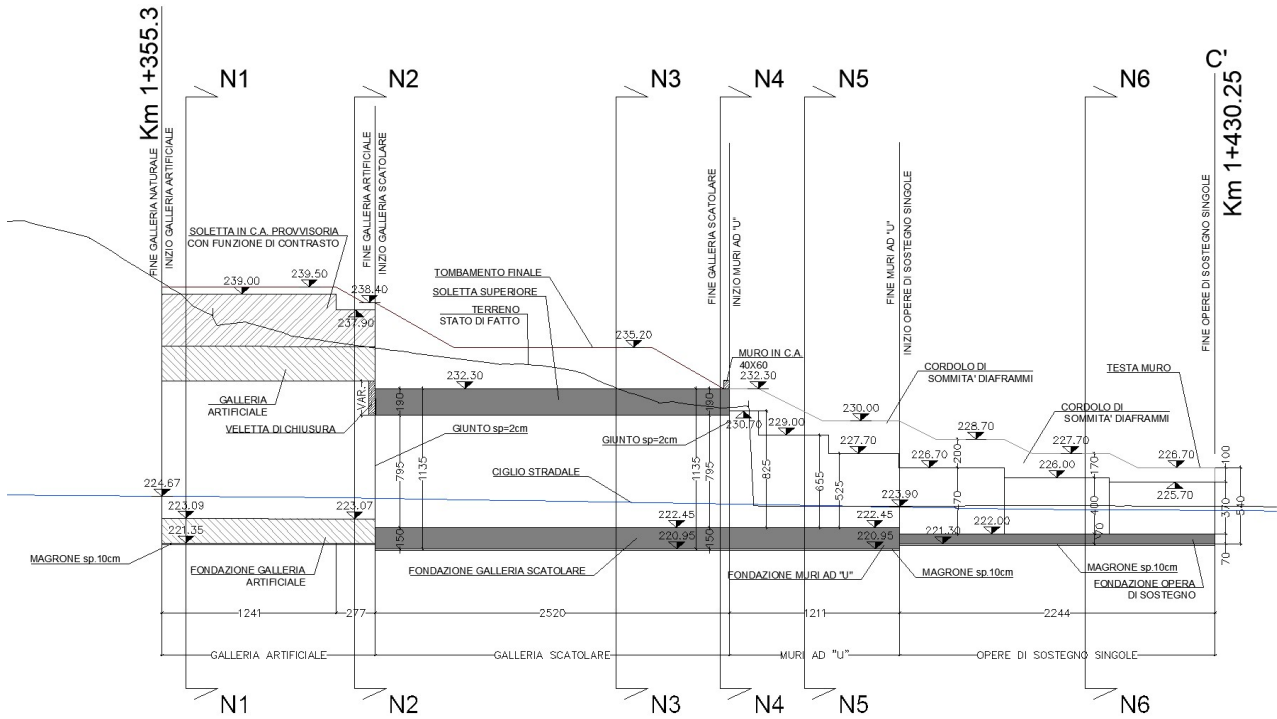


Figura 6 Profilo galleria artificiale San Lazzero Ovest - Imbocco Lato Fano

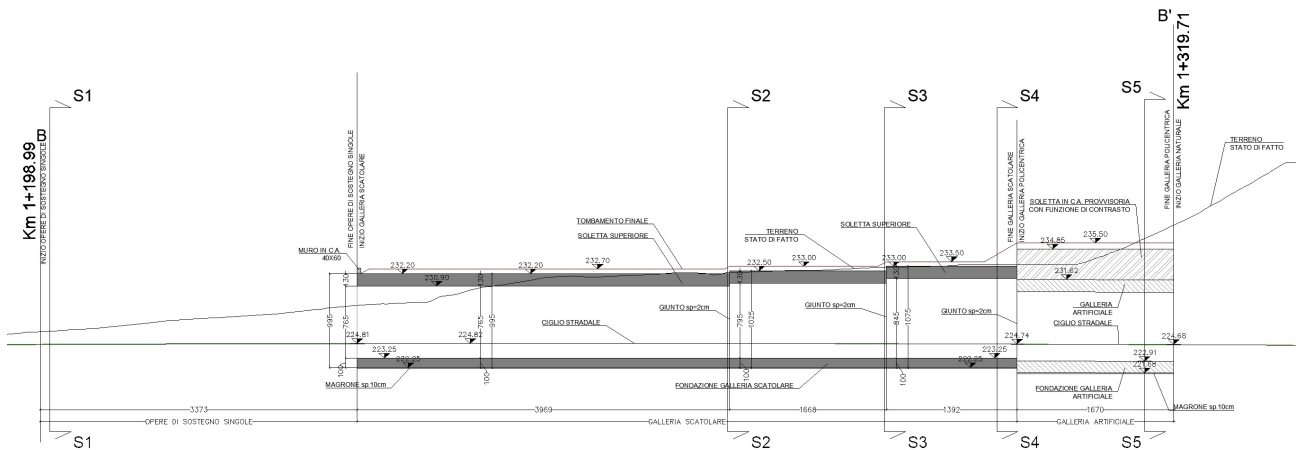


Figura 7 Profilo galleria artificiale San Lazzero Est - Imbocco Lato Grosseto

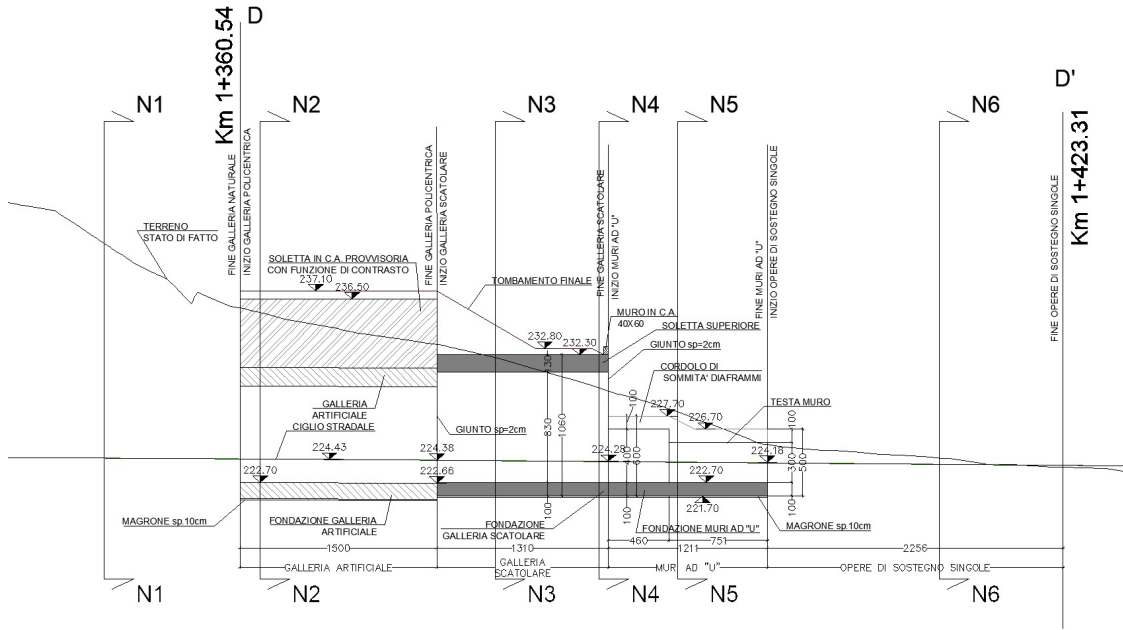


Figura 8 Profilo galleria artificiale San Lazzerò Est - Imbocco Lato Fano

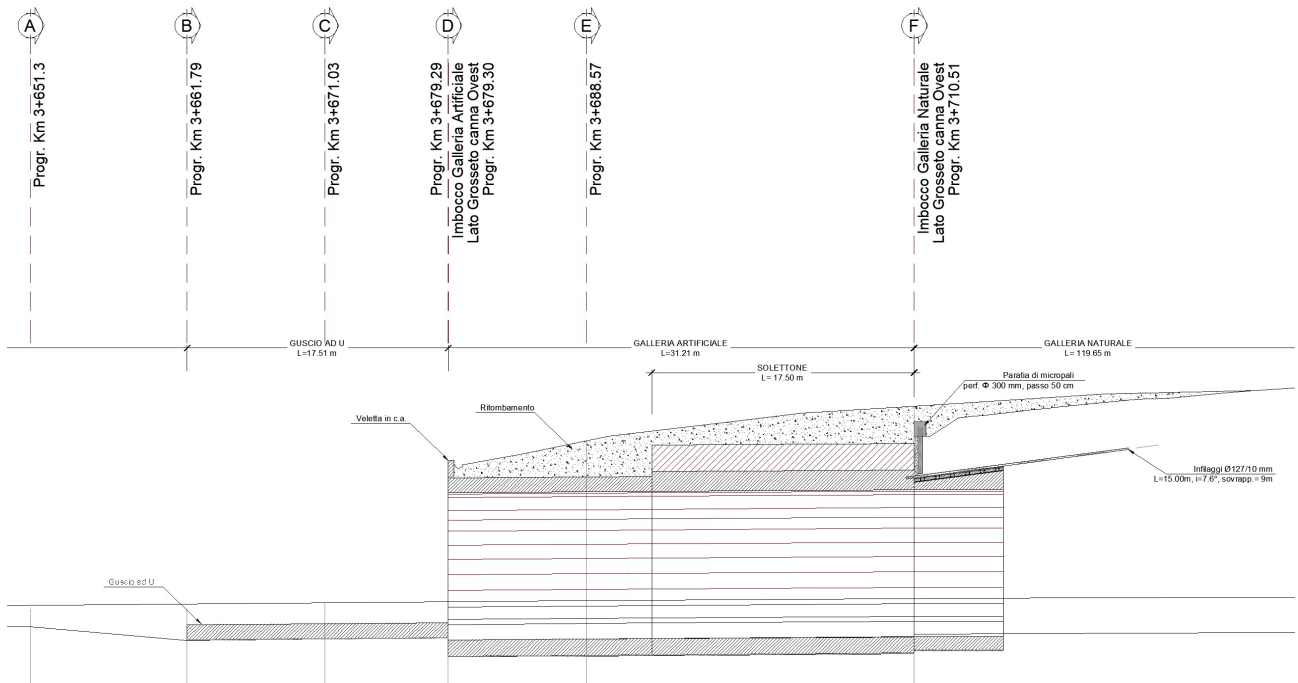


Figura 9 Profilo galleria artificiale Bucciano Ovest - Imbocco Lato Grosseto



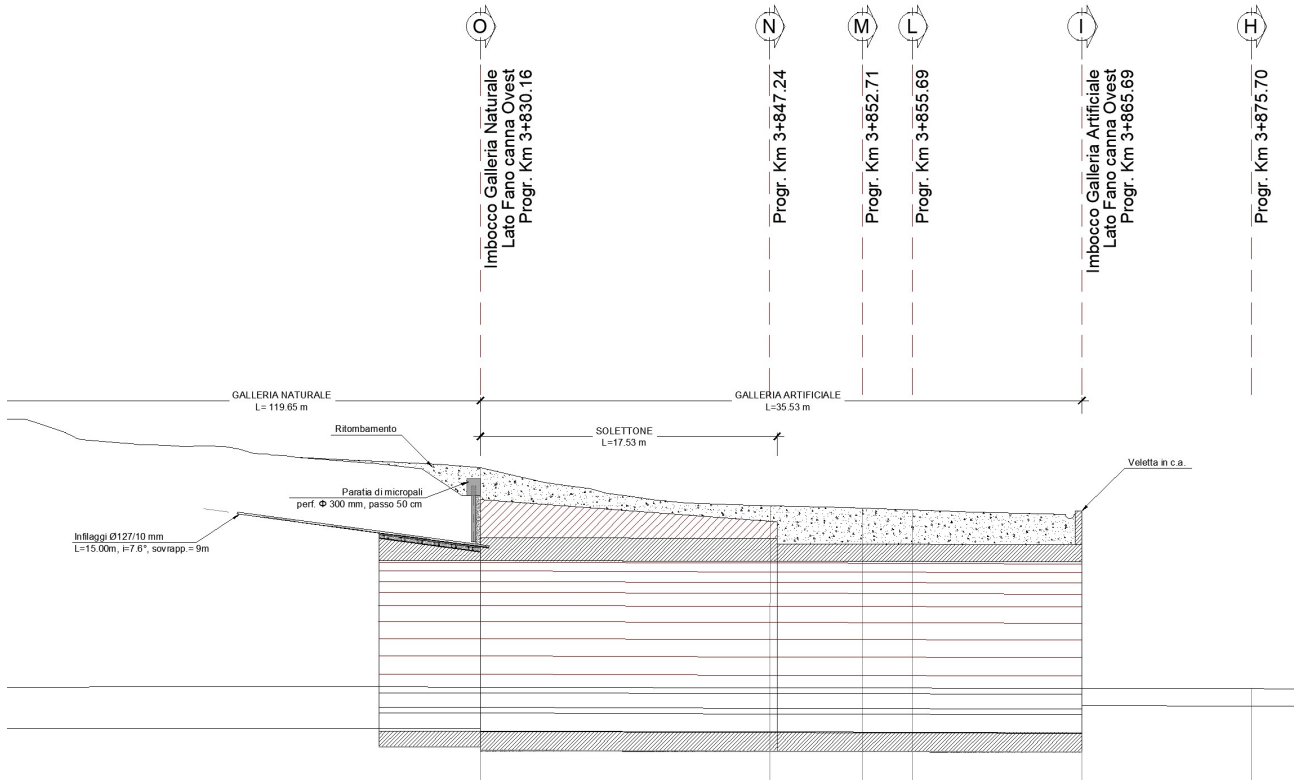


Figura 10 Profilo galleria artificiale Bucciano Ovest – Imbocco Lato Fano

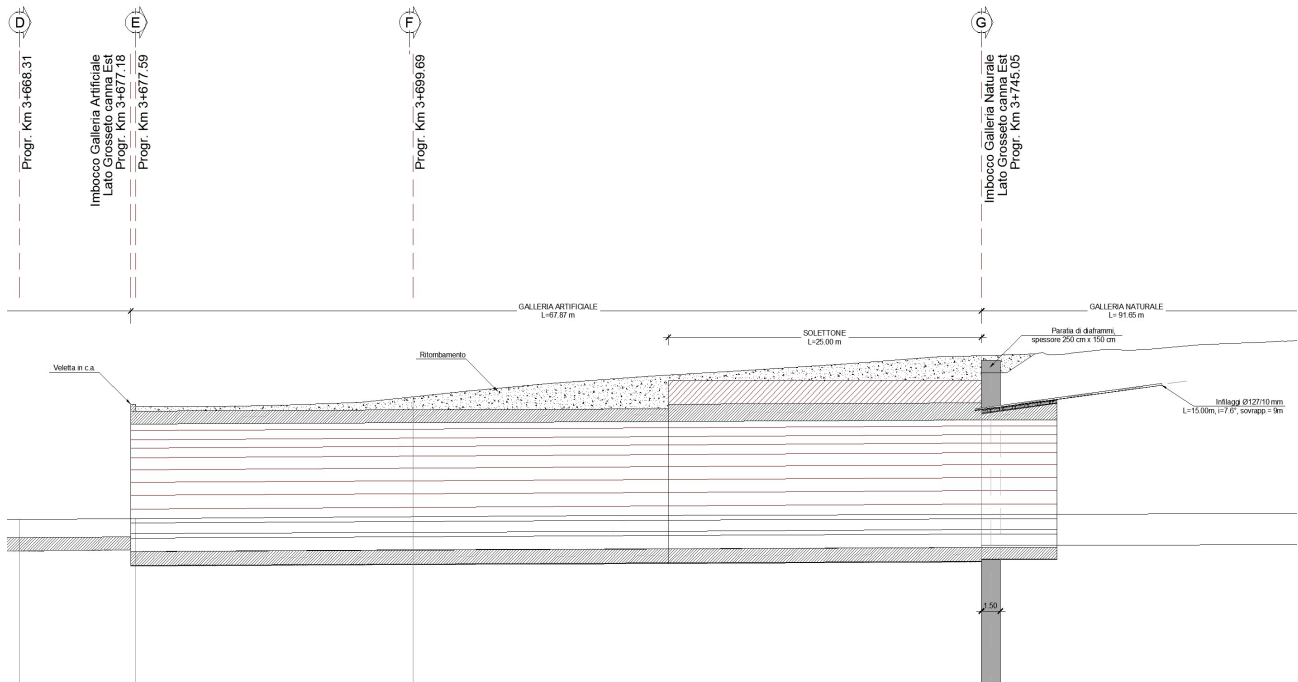
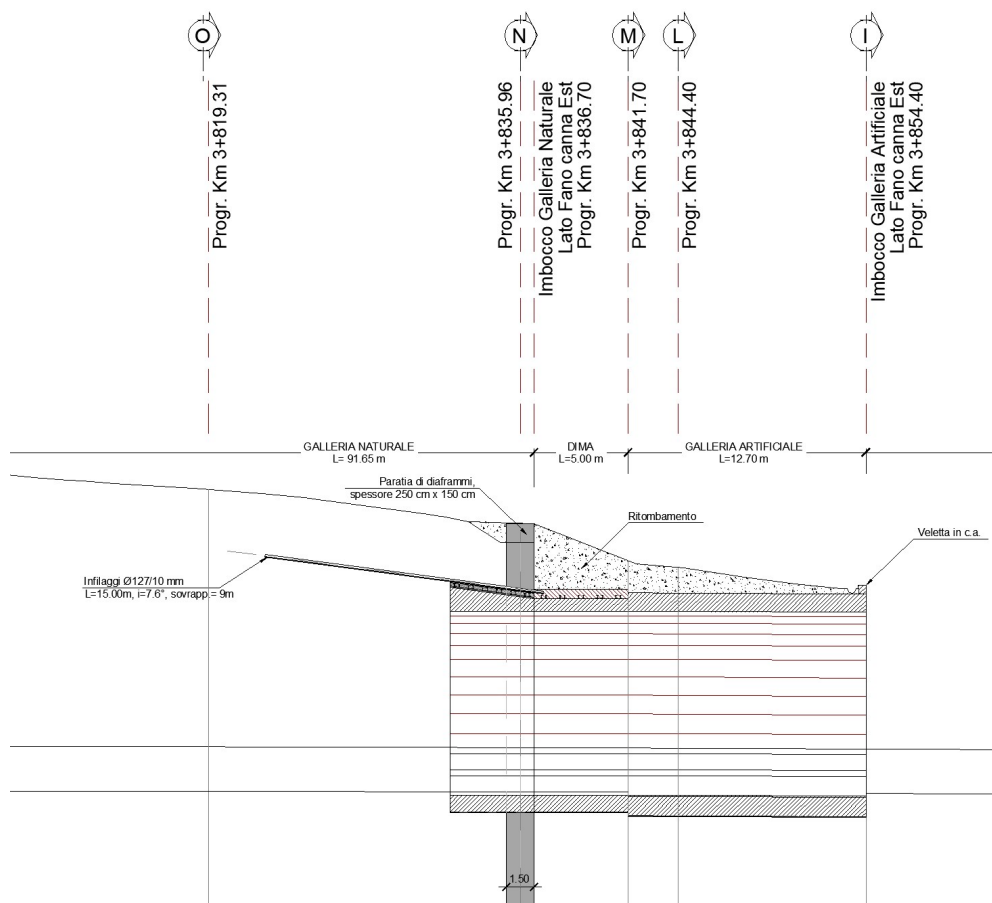


Figura 11 Profilo galleria artificiale Bucciano Est – Imbocco Lato Grosseto



**Figura 12 Profilo galleria artificiale Bucciano Est – Imbocco Lato Fano**

I tratti in artificiale sono caratterizzati da 5 differenti sezioni tipo:

1. **Sezione GA-S1:** Sezione scatolare corrente che ospita 2 corsie da 3.75m e le banchine (da 0.5m e 1.75m). E' applicata in entrambi gli imbocchi della canna est della galleria San Lazzerò nelle tratte con ridotte coperture e caratterizzata da diaframmi definitivi di spessore 1.5/1m contrastati in testa da una soletta in c.a. di spessore 1.3m; i diaframmi saranno ricoperti in fase definitiva da dei muri di spessore 0.50m. La sezione tipo è illustrata nella parte destra di Figura 13.
2. **Sezione GA-S2:** Sezione scatolare corrente, analoga alla sezione GA-S1, ovvero caratterizzata da diaframmi definitivi di spessore 1,5/1m contrastati da una soletta in testa di spessore 1.9m e con una larghezza tale da accogliere, oltre alle 2 corsie da 3.75m e le banchine, anche una corsia di immissione/diversione e un allargamento per garantire la visibilità. È applicata in entrambi gli imbocchi della Galleria San Lazzerò ovest. La sezione tipo è illustrata nella parte sinistra di Figura 13.
3. **Sezione GA-C1:** Sezione monocentrica che ospita 2 corsie da 3.75m e le banchine (da 0.5m e 1.75m) ed è applicata in tutti gli imbocchi di entrambe le canne della galleria Bucciano. All'imbocco lato Grosseto, la sezione verrà gettata all'interno di due file di diaframmi di spessore 1.5m sostenuti in fase provvisoria da puntoni che perdono la loro funzionalità in fase definitiva. All'imbocco lato Fano della canna est della galleria Bucciano la sezione è confinata da un lato da dei diaframmi provvisori e dall'altro da una berlinese provvisoria mentre la canna ovest è confinata solo da un lato da una berlinese provvisoria. La sezione tipo è illustrata nella parte destra di Figura 14.
4. **Sezione GA-C1-Imb:** Sezione avente la stessa geometria della sezione GA-C1 a meno dello spessore della calotta che è incrementato di 0.35m. La sezione è applicata nelle tratte precedenti agli imbocchi delle gallerie naturali Bucciano Est, Bucciano Ovest e San Lazzerò Est. Infatti, in tali tratte, per poter permettere la realizzazione degli infilaggi necessari per l'esecuzione del primo campo di galleria naturale, non è possibile mettere in opera solette definitive o puntoni a sostegno dei diaframmi, ma si prevede la

realizzazione di un solettone in c.a. provvisorio sotto cui verrà gettata la galleria artificiale. La sezione tipo è illustrata nella parte sinistra di Figura 14.

5. **Sezione GA-C2-Imb:** Sezione policentrica che ospita 2 corsie da 3.75m, le banchine, una corsia di immissione/diversione e un allargamento per garantire la visibilità. È applicata indicativamente nei primi 15m in adiacenza agli imbocchi della galleria naturale San Lazzerò Ovest in quanto, analogamente alla sezione GA-C1-Imb, verrà gettata sotto un solettone provvisorio in ca per permettere la realizzazione degli interventi di consolidamento al contorno previsti in progetto per la sezione di scavo in naturale. La sezione tipo è illustrata nella parte sinistra di Figura 15.

In fase definitiva tutte le gallerie artificiali verranno completamente ritombate.

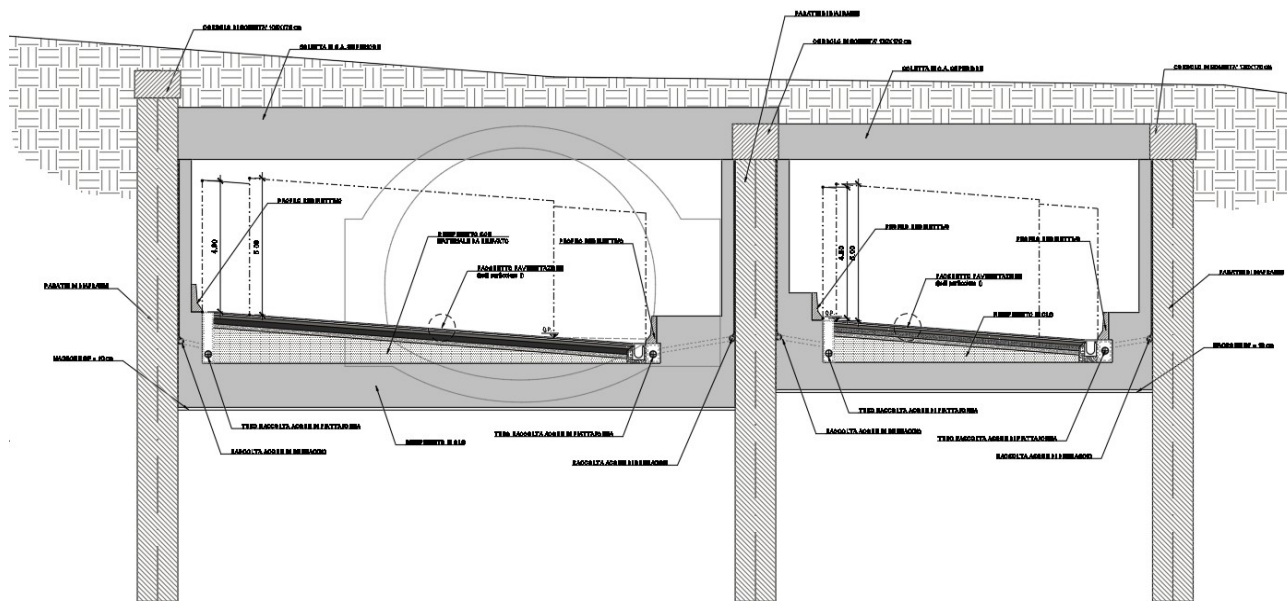


Figura 13: Sezione GA-S2(sulla sinistra) e Sezione GA-S1(sulla destra)

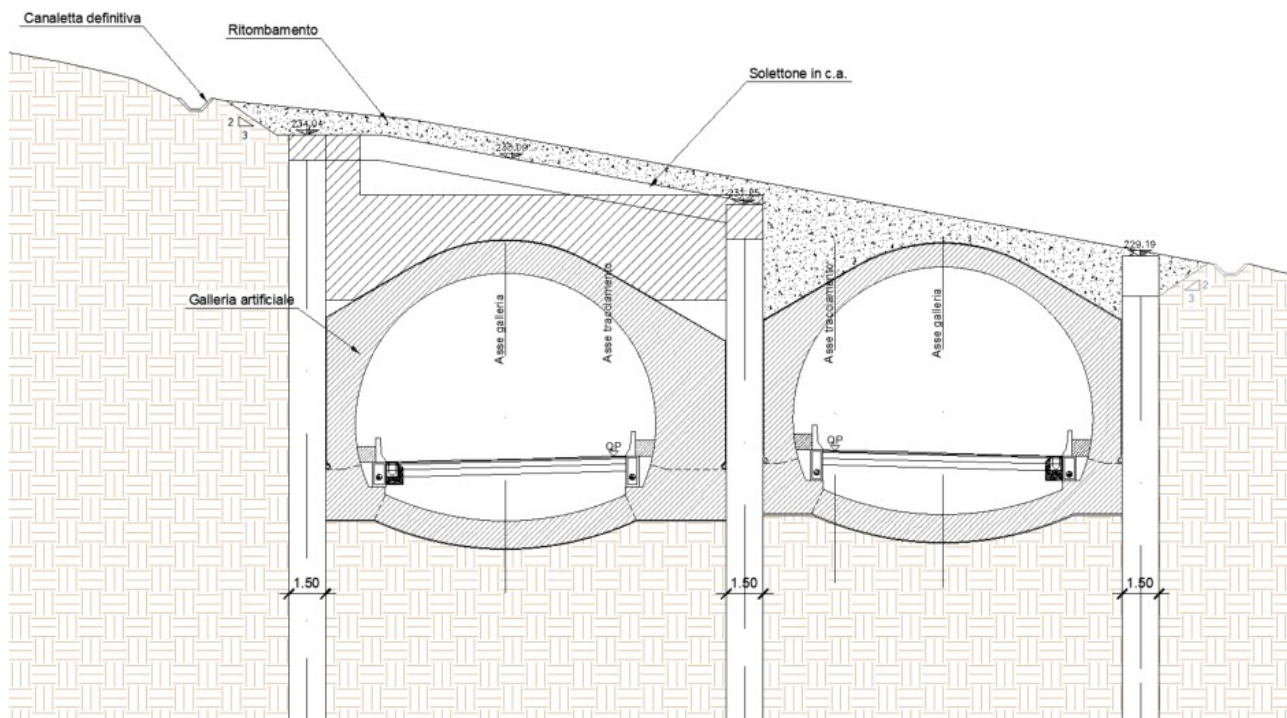
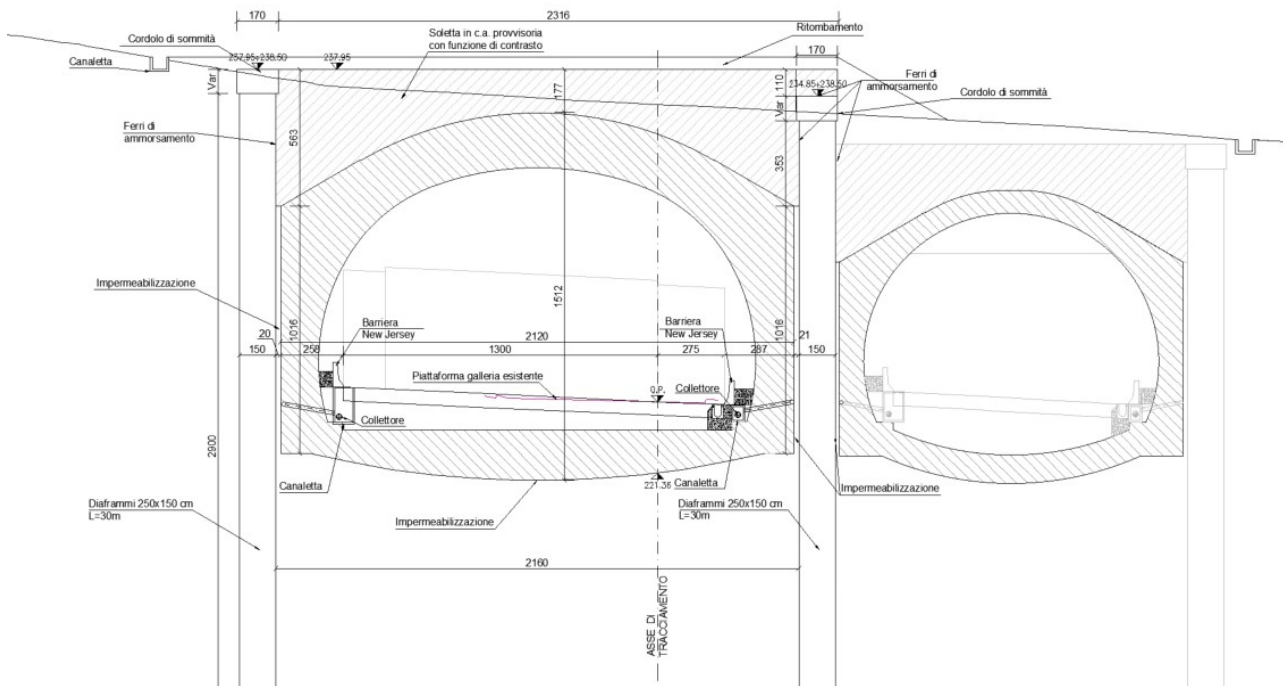


Figura 14: Sezione GA-C1-Imb (sulla sinistra) e GA-C1(sulla destra)



**Figura 15: Sezione GA-C2-Imb**

Relativamente alla galleria Bucciano, si specifica che la scelta progettuale di prevedere una sezione in artificiale curvilinea al posto di una sezione di tipo scatolare con solettone piatto in testa (come invece fatto per la galleria San Lazzerò) è stata effettuata con l'intento di mantenere la medesima sagoma interna della galleria naturale anche nella tratta in artificiale evitando il cambio di sezione interna e mantenendo l'intradosso della calotta costante lungo tutto lo sviluppo della galleria, senza la presenza di un salto tra la calotta curva della galleria naturale e l'eventuale soletta piana della galleria artificiale. Tale scelta progettuale è consentita (a differenza della galleria San Lazzerò) dall'andamento altimetrico del terreno in sito che, seppur comporta coperture di modesta entità, queste sono sufficienti a garantire il completo ricoprimento della galleria artificiale.

In definitiva i tratti in artificiale per la galleria San Lazzerò sono caratterizzati da:

- Imbocco lato Grosseto galleria San Lazzerò Ovest: 88.61m totali di cui 17.00m di sezione GA-C2-Imb e 71.61m di Sezione GA-S2.
- Imbocco lato Fano galleria San Lazzerò Ovest: 40.39m totali di cui 15.19m di sezione GA-C2-Imb e 25.20m di Sezione GA-S2.
- Imbocco lato Grosseto Galleria San Lazzerò Est: 86.99m totali di cui 16.70m di sezione GA-C1-Imb e 70.29 di Sezione GA-S1.
- Imbocco lato Fano galleria San Lazzerò Est: 28.10m totali di cui 15.00m di sezione GA-C1-Imb e 13.10 di Sezione GA-S1.

Mentre per la galleria Bucciano si prevede

- Imbocco lato Grosseto Galleria Bucciano Ovest: 31.22m totali di cui 17.50m di Sezione GA-C1-Imb e 13.72m di Sezione GA-C1.
- Imbocco lato Fano Galleria Bucciano Ovest: 35.53m totali di cui 17.53m di sezione GA-C1-Imb e 18m si sezione GA-C1.
- Imbocco lato Grosseto Galleria Bucciano Est: 67.87m totali di cui 25.00m di sezione GA-C1-Imb e 42.87m di sezione GA-C1.
- Imbocco lato Fano Galleria Bucciano Est: 17.70m totali di cui 5.00m sotto la dima e 12.70m di sezione GA-C1

## 2 DOCUMENTAZIONE E NORMATIVA DI RIFERIMENTO

### 2.1 Leggi, decreti, circolari ministeriali

#### 2.1.1 Legislazione di carattere generale

- **Ministero dei LL.PP. - D.M. 17.01.2018:** "Norme tecniche per le Costruzioni".
- **Ministero dei LL.PP. - Circ. 7 del 21.01.2019:** Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni" di cui al decreto ministeriale 17 gennaio 2018;
- **Consiglio Superiore dei Lavori Pubblici STC,** "Linee guida per la messa in opera del calcestruzzo strutturale", settembre 2017.
- **Consiglio Superiore dei Lavori Pubblici STC,** "Linee guida per la valutazione delle caratteristiche del calcestruzzo in opera", settembre 2017.

#### 2.1.2 Norme emanate dal C.N.R.

- **CNR 10012:** "Istruzioni per la valutazione delle azioni sulle costruzioni".
- **CNR 10024:** "Analisi di strutture mediante elaboratore. Impostazione e redazione delle relazioni di calcolo".

#### 2.1.3 Norme UNI

- **UNI EN 197-1:** "Cemento - Composizione, specificazioni e criteri di conformità per cementi comuni.
- **UNI EN 206-2016:** "Calcestruzzo - Specificazioni, prestazioni, produzione e conformità".
- **UNI 11104/2016:** "Calcestruzzo - Specificazione, prestazione, produzione e conformità – Istruzioni complementari per l'applicazione della EN 206-1".

### 2.2 Bibliografia

Migliacci – F. Mola: **Progetto agli stati limite delle strutture in c.a.** – Masson Italia Editori 1985  
C. Cestelli Guidi: **Geotecnica e tecnica delle fondazioni** – Ulrico Hoepli Editore 1987  
R. Lancellotta: **Geotecnica** – Edizioni Zanichelli 1987  
Bowles J.E.: **Foundation Analysis and Design 4<sup>th</sup> edition** – McGraw-Hill – New York, 1988

### 2.3 Documenti di progetto

- [1] T00EG00GENRE02A - Relazione tecnica generale
- [2] T00GE04GETRE01A - Relazione geotecnica generale
- [3] T00GE06GETRE01A - Relazione sismica

#### 2.3.1 Galleria San Lazzero

- [4] T00GN01OSTPRE02A – Relazione di calcolo opere di sostegno
- [5] T00GN01OSTCP02A – Gallerie artificiali – Carpenterie
- [6] T00GN01OSTCP03A – Portali e Muri a "U" e "L" – Carpenterie

#### 2.3.2 Galleria San Lazzero Ovest

- [7] T00GN01OSTPE02A - Imbocco lato Grosseto - Sistemazione definitiva - Planimetria
- [8] T00GN01OSTFE02A - Imbocco lato Grosseto - Sistemazione definitiva - Profilo e sezioni
- [9] T00GN01OSTSE02A - Imbocco lato Grosseto - Sistemazione definitiva - Sezioni
- [10] T00GN01OSTPE04A - Imbocco lato Fano - Sistemazione definitiva - Planimetria
- [11] T00GN01OSTFE04A - Imbocco lato Fano - Sistemazione definitiva - Profilo e sezioni
- [12] T00GN01OSTSE04A - Imbocco lato Fano -Sistemazione definitiva – Sezioni

#### 2.3.3 Galleria San Lazzero Est

- [13] T00GN02OSTPE02A - Imbocco lato Grosseto - Sistemazione definitiva - Planimetria

Relazione di calcolo gallerie artificiali

10

RTP di progettazione:

Mandataria:

Mandanti:



- [14] T00GN02OSTFE02A - Imbocco lato Grosseto - Sistemazione definitiva - Profilo e sezioni
- [15] T00GN02OSTSE02A - Imbocco lato Grosseto - Sistemazione definitiva - Sezioni
- [16] T00GN02OSTPE04A - Imbocco lato Fano - Sistemazione definitiva - Planimetria
- [17] T00GN02OSTFE04A - Imbocco lato Fano - Sistemazione definitiva - Profilo e sezioni
- [18] T00GN02OSTSE04A - Imbocco lato Fano -Sistemazione definitiva – Sezioni

#### 2.3.4 **Galleria Bucciano**

- [19] T00GN03OSTCP01A – Galleria artificiale e struttura interna a guscio - Carpenterie

#### 2.3.5 **Galleria Bucciano Ovest**

- [20] T00GN03OSTPE02A - Imbocco lato Grosseto - Sistemazione definitiva - Planimetria
- [21] T00GN03OSTFE02A - Imbocco lato Grosseto - Sistemazione definitiva - Profilo e sezioni
- [22] T00GN03OSTSE02A - Imbocco lato Grosseto - Sistemazione definitiva - Sezioni
- [23] T00GN03OSTPE04A - Imbocco lato Fano - Sistemazione definitiva - Planimetria
- [24] T00GN03OSTFE04A - Imbocco lato Fano - Sistemazione definitiva - Profilo e sezioni
- [25] T00GN03OSTSE04A - Imbocco lato Fano -Sistemazione definitiva - Sezioni

#### 2.3.6 **Galleria Bucciano Est**

- [26] T00GN04OSTPE02A - Imbocco lato Grosseto - Sistemazione definitiva - Planimetria
- [27] T00GN04OSTFE02A - Imbocco lato Grosseto - Sistemazione definitiva - Profilo e sezioni
- [28] T00GN04OSTSE02A - Imbocco lato Grosseto - Sistemazione definitiva - Sezioni
- [29] T00GN04OSTPE04A - Imbocco lato Fano - Sistemazione definitiva - Planimetria
- [30] T00GN04OSTFE04A - Imbocco lato Fano - Sistemazione definitiva - Profilo e sezioni
- [31] T00GN04OSTSE04A - Imbocco lato Fano -Sistemazione definitiva – Sezioni

### 3 PROGRAMMI PER L'ANALISI AUTOMATICA

#### **SAP2000 Advanced rel. 21**

Structural Analysis program – Computers and Structures, Inc. – Berkeley CA, USA

*Programma di calcolo ad elementi finiti monodimensionali, bidimensionali e tridimensionali.*

#### **Spettri di risposta ver. 1.0.3**

Distribuito dal Consiglio Superiore LL.PP.

*Foglio di calcolo per la definizione dei parametri sismici secondo la trattazione del D.M. 14/01/2008  
"Norme tecniche per le Costruzioni".*

## 4 MATERIALI

### 4.1 Calcestruzzo per calotta

Classe di resistenza	<b>C32/40</b>
Classe di esposizione	XC4-XD1-XF2
Classe di consistenza	S4
Diametro massimo aggregato	25 mm
Massimo rapporto acqua/cemento	0.50
Contenuto minimo di cemento	340 kg/mc
Copriferro	40 mm
Resistenza caratteristica a compressione cubica	$R_{ck} =$ <b>40.00</b> N/mm <sup>2</sup>
Resistenza caratteristica a compressione cilindrica	$f_{ck} = 0.83 \times R_{ck} =$ 33.2 N/mm <sup>2</sup>
Resistenza media a compressione cilindrica	$f_{cm} = f_{ck} + 8 =$ 41.2 N/mm <sup>2</sup>
Modulo elastico	$E_c = 22000 \times (f_{cm}/10)^{0.3} =$ 33642.8 N/mm <sup>2</sup>
Resistenza a trazione semplice	$f_{ctm} = 0.30 \times f_{ck}^{2/3} =$ 3.1 N/mm <sup>2</sup>
Resistenza a trazione caratteristica (frattile 5%)	$f_{ctk} = 0.70 \times f_{ctm} =$ 2.17 N/mm <sup>2</sup>

#### Stato Limite Ultimo

Coefficiente parziale di sicurezza	$\gamma_C =$ 1.50 --
Coefficiente riduttivo per resistenze di lunga durata	$\alpha_{cc} =$ 0.85 --
Resistenza a compressione di calcolo	$f_{cd} = \alpha_{cc} \times f_{ck} / \gamma_C =$ 18.81 N/mm <sup>2</sup>
Resistenza a trazione di calcolo	$f_{ctd} = f_{ctk} / \gamma_C =$ 1.45 N/mm <sup>2</sup>

#### Stato Limite di Esercizio

Tensione max di compressione - Comb. rara	$\sigma_c < 0.60 \times f_{ck} =$ 19.92 N/mm <sup>2</sup>
Tensione max di compressione - Comb. quasi permanente	$\sigma_c < 0.45 \times f_{ck} =$ 14.94 N/mm <sup>2</sup>

#### Stato Limite di Fessurazione

Valore limite di apertura delle fessure - Comb. frequente.	$w \leq w_2 =$ 0.3 mm
Valore limite di apertura delle fessure - Comb. quasi perm.	$w \leq w_1 =$ 0.2 mm

### 4.2 Calcestruzzo per arco rovescio

Classe di resistenza	<b>C28/35</b>
Classe di esposizione	XC2
Classe di consistenza	S4
Diametro massimo aggregato	32 mm
Massimo rapporto acqua/cemento	0.55
Contenuto minimo di cemento	320 kg/mc
Copriferro	40 mm



Resistenza caratteristica a compressione cubica	$R_{ck} =$	<b>32.00</b>	N/mm <sup>2</sup>
Resistenza caratteristica a compressione cilindrica	$f_{ck} = 0.83 \times R_{ck}$	=	29.05 N/mm <sup>2</sup>
Resistenza media a compressione cilindrica	$f_{cm} = f_{ck} + 8$	=	37.05 N/mm <sup>2</sup>
Modulo elastico	$E_c = 22000 \times (f_{cm}/10)^{0.3}$	=	32588.1 N/mm <sup>2</sup>
Resistenza a trazione semplice	$f_{ctm} = 0.30 \times f_{ck}^{2/3}$	=	2.83 N/mm <sup>2</sup>
Resistenza a trazione caratteristica (frattile 5%)	$f_{ctk} = 0.70 \times f_{ctm}$	=	1.98 N/mm <sup>2</sup>

#### Stato Limite Ultimo

Coefficiente parziale di sicurezza	$\gamma_C =$	1.50	--
Coefficiente riduttivo per resistenze di lunga durata	$\alpha_{cc} =$	0.85	--
Resistenza a compressione di calcolo	$f_{cd} = \alpha_{cc} \times f_{ck} / \gamma_C$	=	16.46 N/mm <sup>2</sup>
Resistenza a trazione di calcolo	$f_{ctd} = f_{ctk} / \gamma_C$	=	1.32 N/mm <sup>2</sup>

#### Stato Limite di Esercizio

Tensione max di compressione - Comb. rara	$\sigma_c < 0.60 \times f_{ck}$	=	17.4 N/mm <sup>2</sup>
Tensione max di compressione - Comb. quasi permanente	$\sigma_c < 0.45 \times f_{ck}$	=	13.1 N/mm <sup>2</sup>

#### Stato Limite di Fessurazione

Valore limite di apertura delle fessure - Comb. frequente.	$w \leq w_3$	=	0.4 mm
Valore limite di apertura delle fessure - Comb. quasi perm.	$w \leq w_2$	=	0.3 mm

### 4.3 Acciaio per calcestruzzo armato

Si utilizza acciaio per cemento armato tipo **B450C**, con le seguenti caratteristiche:

Tensione caratteristica di rottura (frattile 5%)	$f_{tk} =$	540.00	N/mm <sup>2</sup>
Tensione caratteristica di snervamento (frattile 5%)	$f_{yk} =$	450.00	N/mm <sup>2</sup>

#### Stato Limite Ultimo

Coefficiente parziale di sicurezza	$\gamma_S =$	1.15	--
Resistenza a trazione di calcolo	$f_{yd} = f_{yk} / \gamma_S$	=	391.30 N/mm <sup>2</sup>

#### Stato Limite di Esercizio

Tensione massima di trazione	$\sigma_s < 0.80 \times f_{yk}$	=	360.00 N/mm <sup>2</sup>
------------------------------	---------------------------------	---	--------------------------

## 5 CARATTERIZZAZIONE GEOTECNICA

La trattazione completa della configurazione geologica e geotecnica in prossimità delle opere in oggetto è riportata in [2].

La galleria San Lazzero esistente è stata realizzata in passato secondo la metodologia del "cut and cover", ovvero procedendo allo sbancamento del terreno naturale costituito da argille pliocentriche più o meno alterate (FAA e FAAa) fino al piano di imposta della fondazione per poi essere ricoperta con materiali alluvionali (b). L'allargamento della canna esistente e la realizzazione della seconda canna previste nel presente progetto saranno dunque interessate dagli stessi materiali argillosi e depositi alluvionali.

Gli stralci del profilo geologico della galleria San Lazzero rispettivamente dell'asse Grosseto-Fano e Fano-Grosseto sono riportati rispettivamente in Figura 16 e Figura 17.

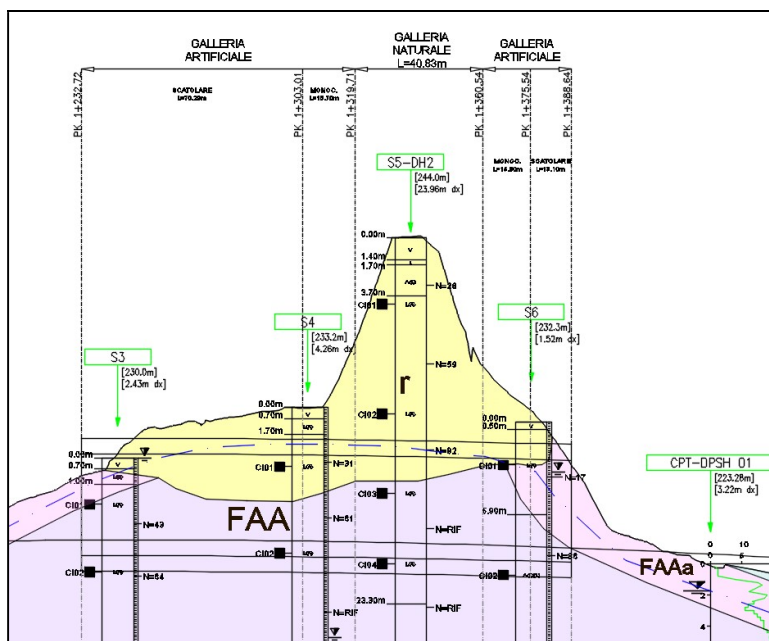


Figura 16: Profilo geologico Galleria San Lazzero Asse Grosseto-Fano

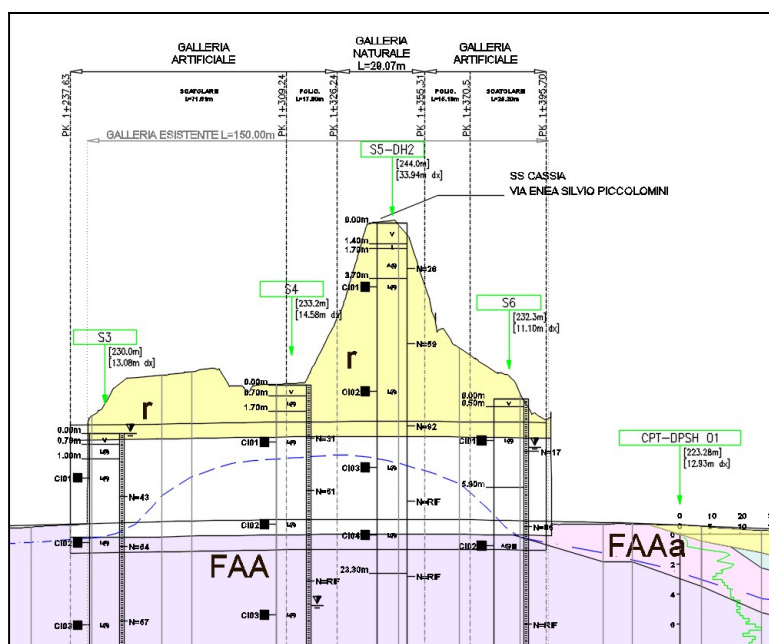


Figura 17: Profilo geologico Galleria San Lazzero Asse Fano-Grosseto

In corrispondenza della galleria Bucciano invece non sono state rilevate tracce di depositi alluvionali ma solo terreni uno strato superficiale argilloso alterato (FAAa) dello spessore da 2 a 8m circa che poggia su uno strato più compatto (FAA).  
 Gli stralci del profilo geologico della galleria Bucciano rispettivamente dell'asse Grosseto-Fano e Fano-Grosseto sono riportati rispettivamente in Figura 18 e Figura 19.

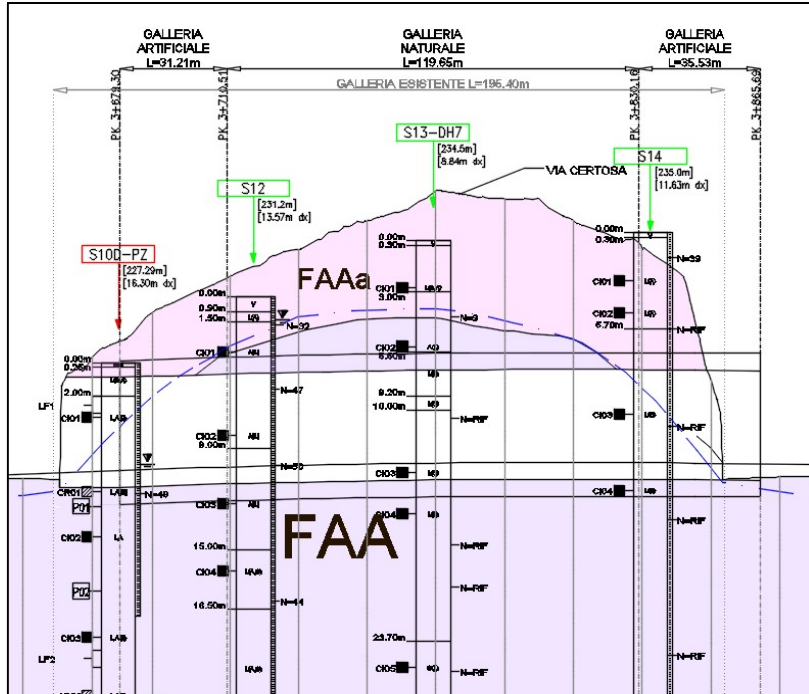


Figura 18: Profilo geologico Galleria Bucciano Asse Grosseto-Fano

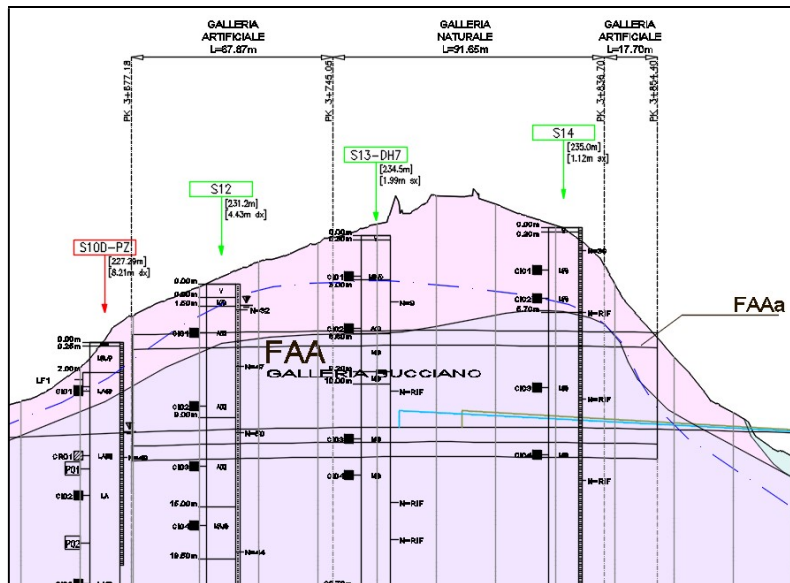


Figura 19: Profilo geologico Galleria Bucciano Asse Fano-Grosseto

Il materiale con cui verranno ricoperte le gallerie è un materiale di riempimento derivante dagli scavi.

In corrispondenza delle gallerie artificiali, la falda si trova a una profondità variabile da circa 1 a 10 m da piano campagna.

In Tabella 1 si riportano i parametri geotecnici caratteristici delle varie unità geologiche assunti nei calcoli.

<b>Materiale</b>	$\gamma_n$ [kN/m <sup>3</sup> ]	$c'$ [kPa]	$\phi'$ [°]	$E_{vc}$ [MPa]	$E_{ur}$ [MPa]	$\nu$ [-]
FAA - Argille azzurre plioceniche	20	30	28	20	60	0,3
FAAa - Argille azzurre plioceniche alterate	19.5	20	24	10	30	0,3
r – Depositi antropici	20	0	35	10	30	0,3

**Tabella 1: caratterizzazione geotecnica**

Dove:

$\gamma_n$	peso di volume naturale
$c'$	coesione
$\phi'$	angolo di attrito
$E_{vc}$	modulo elastico carico
$E_{ur}$	modulo elastico ricarico
$\nu$	modulo di Poisson

## 6 CRITERI DI VERIFICA

### 6.1 Verifica per sollecitazioni di presso/tenso-flessione

Come previsto dal DM 17.01.2018 al § 4.1.2.3.4 con riferimento alla generica sezione la verifica di resistenza allo SLU si esegue controllando che:

$$M_{Rd} = M_{Rd}(N_{Ed}) \geq M_{Ed}$$

dove:

- $M_{Rd}$  è il valore di calcolo del momento resistente corrispondente a  $N_{Ed}$ ;
- $N_{Ed}$  è il valore di calcolo della componente assiale (sforzo normale) dell'azione;
- $M_{Ed}$  è il valore di calcolo della componente flettente dell'azione.

### 6.2 Verifica a taglio SLU

Si esegue dapprima la verifica degli *elementi senza armature resistenti a taglio* secondo quanto previsto nel DM 17.01.2018 al punto 4.1.2.3.5.1.

Indicato con  $V_{Ed}$  il valore di calcolo dello sforzo di taglio agente allo SLU, si verifica controllando che risulti:

$$V_{Ed} < V_{Rd} = \max \left\{ \left( 0.18 \cdot k \cdot \frac{\sqrt[3]{100 \cdot \rho_\ell \cdot f_{ck}}}{\gamma_c} + 0.15 \cdot \sigma_{cp} \right) \cdot b_w \cdot d; (v_{\min} + 0.15 \cdot \sigma_{cp}) \cdot b_w \cdot d \right\}$$

dove:

$$k = 1 + \sqrt{\frac{200}{d}} \leq 2 \quad \text{con } d \text{ altezza utile della sezione espressa in mm}$$

$$v_{\min} = 0.035 \cdot \sqrt{k^3} \cdot \sqrt{f_{ck}}$$

$$\rho_\ell = \frac{A_{s\ell}}{b_w \cdot d} \leq 0.02 \quad \text{con } b_w \text{ larghezza minima della sezione espressa in mm}$$

$$\sigma_{cp} = \frac{N_{Ed}}{A_c} \leq 0.2 \cdot f_{cd} \quad \text{tensione media di compressione nella sezione}$$

Qualora la verifica non andasse a buon fine è necessario ricorrere ad *elementi provvisti di armature resistenti a taglio* secondo quanto previsto al punto 4.1.2.3.5.1 del già citato D.M. 17.01.2018.

Con riferimento all'armatura trasversale, la resistenza di calcolo a "taglio-trazione" si calcola con:

$$V_{Rsd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\text{ctg } \alpha + \text{ctg } \vartheta) \cdot \sin \alpha$$

Con riferimento al calcestruzzo d'anima, la resistenza di calcolo a "taglio-compressione" si calcola con:

$$V_{Rcd} = 0.9 \cdot d \cdot b_w \cdot \alpha_c \cdot f'_{cd} \cdot \frac{\text{ctg } \alpha + \text{ctg } \vartheta}{1 + \text{ctg}^2 \vartheta}$$

La resistenza a taglio dell'elemento strutturale è la minore delle due sopra definite:

$$V_{Rd} = \min(V_{Rsd}; V_{Rcd})$$

Nelle precedenti espressioni, i nuovi parametri, introdotti rispetto al caso di elementi sprovvisti di armatura a taglio, assumono il seguente significato:

$\vartheta$  inclinazione dei puntoni di calcestruzzo rispetto all'asse dell'elemento

con la limitazione  $1.0 \leq \cotg \vartheta \leq 2.5$  ;  
 $\alpha$  inclinazione dell'armatura trasversale rispetto all'asse dell'elemento;  
 $A_{sw}$  area dell'armatura trasversale;  
 $s$  interasse tra due armature trasversali consecutive;  
 $f'_{cd} = 0.5 \cdot f_{cd}$  resistenza a compressione ridotta del calcestruzzo d'anima;  
 $\alpha_c$  coefficiente maggiorativi pari a:

1	per membrane non compresse
$1 + \sigma_{cp}/f_{cd}$	per $0 \leq \sigma_{cp} < 0.25 \times f_{cd}$
1.25	per $0.25 f_{cd} \leq \sigma_{cp} \leq 0.5 \times f_{cd}$
$2.5 \times (1 - \sigma_{cp}/f_{cd})$	per $0.5 \times f_{cd} < \sigma_{cp} < f_{cd}$

In presenza di significativo sforzo assiale, come ad esempio nel caso della precompressione, è necessario considerare un'ulteriore limitazione relativa all'inclinazione dei puntoni di calcestruzzo:

$$\cotg \vartheta_1 \leq \cotg \vartheta$$

in cui:

$\vartheta_1$  angolo di inclinazione della prima fessurazione ricavato come  $\cotg \vartheta_1 / \sigma_1$   
 $\tau$  tensione tangenziale sulla corda baricentrica della sezione interamente reagente  
 $\sigma_1$  tensione principale di trazione sulla corda baricentrica della sezione interamente reagente

### 6.3 Verifiche di limitazione delle tensioni di esercizio

Le Verifiche di limitazione delle tensioni in condizioni di esercizio (SLE) sono svolte con riferimento ai valori caratteristici delle azioni e dei parametri di resistenza dei materiali e consistono nel controllare che i valori di tensione nei materiali strutturali siano inferiori ai limiti di normativa (punto 4.1.2.2.5 del D.M. 17/01/2018).

- Calcestruzzo compresso:
  - Combinazione caratteristica o rara  $\sigma_c < 0.60 \cdot f_{ck} = 19.92 \text{Mpa}$
  - Combinazione quasi permanente  $\sigma_c < 0.45 \cdot f_{ck} = 14.94 \text{Mpa}$
- Acciaio teso:
  - Combinazione caratteristica o rara  $\sigma_s < 0.80 \cdot f_{yk} = 360 \text{Mpa}$

### 6.4 Verifiche a fessurazione

Per poter procedere alle verifiche a fessurazione è necessario effettuare una valutazione relativa al grado di protezione delle armature metalliche contro la corrosione (in termini di condizioni ambientali e sensibilità delle armature stesse alla corrosione).

La Tabella 2 riassume le condizioni ambientali previste dalle NTC 2018 in funzione delle classi di esposizione.

Condizioni ambientali	Classe di esposizione
Ordinarie	X0, XC1, XC2, XC3, XF1
Aggressive	XC4, XD1, XS1, XA1, XA2, XF2, XF3
Molto Aggressive	XD2, XD3, XS2, XS3, XA3, XF4,

Tabella 2: Descrizione delle condizioni ambientali (da Tabella 4.1.III NTC 18).

Le armature possono essere distinte in:

- armature sensibili;
- armature poco sensibili.

I valori limite di apertura delle fessure ottenuti in base alle condizioni ambientali, alla sensibilità delle armature e alla combinazione di azioni sono riportati in Tabella 3.

Gruppi di esigenze	Condizioni ambientali	Combinazioni di azioni S.L.E.	Armature	$w_d$	Armature	
A	Ordinarie	frequente	Poco sensibili	$\leq w_3 = 0.4\text{mm}$	Sensibili	$\leq w_2 = 0.3\text{mm}$
		quasi permanente		$\leq w_2 = 0.3\text{mm}$		$\leq w_1 = 0.2\text{mm}$
B	Aggressive	frequente	Poco sensibili	$\leq w_2 = 0.3\text{mm}$	Sensibili	$\leq w_1 = 0.2\text{mm}$
		quasi permanente		$\leq w_1 = 0.2\text{mm}$		-
C	Molto aggressive	frequente	Poco sensibili	$\leq w_1 = 0.2\text{mm}$	Sensibili	-
		quasi permanente		$\leq w_1 = 0.2\text{mm}$		-

Tabella 3: Criteri di scelta dello stato limite di fessurazione (da Tabella 4.1.IV NTC 18).

Nel caso in oggetto, dal momento che sono previste armature poco sensibili e

- per la calotta/soletta superiore/muri di rivestimento, una classe di esposizione XC4-XD1-XF2, ovvero in condizioni ambientali aggressive, è necessario limitare l'ampiezza delle fessure a 0.3mm per la combinazione frequente e 0.2mm per la combinazione di carico quasi permanente.
- per l'arco rovescio/diaframmi/soletta inferiore, una classe di esposizione XC2, ovvero in condizioni ambientali ordinarie, è necessario limitare l'ampiezza delle fessure a 0.4mm per la combinazione frequente e 0.3mm per la combinazione di carico quasi permanente.

Per eseguire le verifiche a fessurazione si segue l'approccio *senza calcolo diretto* descritto al paragrafo C4.1.2.2.4 della Circolare del 11.02.2019 secondo cui è possibile limitare l'ampiezza delle fessure limitando il valore della tensione nell'acciaio teso nella combinazione di carico SLE considerata.

Si riportano nelle seguenti figure le tabelle presenti al paragrafo sopra citato utilizzate per svolgere la verifica a fessurazione.

Tabella C4.1.II Diametri massimi delle barre per il controllo di fessurazione

Tensione nell'acciaio $\sigma_s$ [MPa]	Diametro massimo $\phi$ delle barre (mm)		
	$w_3 = 0,4$ mm	$w_2 = 0,3$ mm	$w_1 = 0,2$ mm
160	40	32	25
200	32	25	16
240	20	16	12
280	16	12	8
320	12	10	6
360	10	8	-

Figura 20

**Tabella C4.1.III** Spaziatura massima delle barre per il controllo di fessurazione

Tensione nell'acciaio $\sigma_s$ [MPa]	Spaziatura massima s delle barre (mm)		
	$w_3 = 0,4$ mm	$w_2 = 0,3$ mm	$w_1 = 0,2$ mm
160	300	300	200
200	300	250	150
240	250	200	100
280	200	150	50
320	150	100	-
360	100	50	-

**Figura 21**



## 7 GALLERIE ARTIFICIALI SCATOLARI

Per quanto riguarda il dimensionamento dei tratti di galleria artificiale scatolare collocati agli imbocchi della Galleria San Lazzerò si rimanda al dimensionamento della "Sezione 2 - Galleria Artificiale definitiva a doppia carreggiata" della *Relazione di calcolo delle opere di sostegno* della Galleria San Lazzerò [4].

## 8 GALLERIE ARTIFICIALI MONOCENTRICHE/POLICENTRICHE

### 8.1 Descrizione della sezione tipo

#### 8.1.1 Sezione GA-C1

La sezione tipo GA-C1 è una sezione monocentrica con raggio interno di calotta e di arco rovescio rispettivamente pari a 6.10m e 12.00m.

Lo spessore del rivestimento per la calotta è pari a 100 cm minimi e per l'arco rovescio è pari a 110 cm. In corrispondenza dei ritti, la sezione ha uno spessore variabile da un minimo di 100 cm in corrispondenza del piano dei centri fino a 153cm in corrispondenza della muretta e fino a 210cm in corrispondenza della calotta. I piedritti hanno un'altezza di 7.92m a partire dal piano di posa delle murette. Tutte le caratteristiche geometriche sono riportate in [19].

#### 8.1.2 Sezione GA-C1-lmb

La sezione tipo GA-C1-lmb è analoga alla sezione GA-C1 a meno dello spessore della calotta che è incrementato di 0.35m ovvero pari a 1.35m. Conseguentemente anche i piedritti hanno un'altezza maggiore e pari a 8.32m. Tutte le caratteristiche geometriche sono riportate in [19].

#### 8.1.3 Sezione GA-C2-lmb

La sezione tipo GA-C2-lmb è una sezione policentrica con raggi interni di calotta pari a 7.00m, 8.35m e 12.35m; lo spessore del rivestimento per la calotta è pari a 225 cm minimi.

L'arco rovescio ha un intradosso piano e un raggio esterno di 40.5m; presenta dunque una sezione con spessore variabile con un massimo in mezzeria è pari a 200cm.

In corrispondenza dei ritti, la sezione ha uno spessore variabile da un minimo di 157 cm in corrispondenza del piano dei centri fino a 255cm in corrispondenza della muretta e fino a 345cm in corrispondenza della calotta. I piedritti hanno un'altezza di 10.11m a partire dal piano di posa delle murette. Tutte le caratteristiche geometriche sono riportate in [5].

### 8.2 Sezioni di verifica

Ai fini del dimensionamento statico di ciascuna sezione tipo delle gallerie artificiali sono state prese in considerazione le condizioni più cautelative tra tutti i tratti di applicazione delle diverse sezioni:

#### 8.2.1 Sezione GA-C1 e Sezione GA-C1-lmb

La sezione GA-C1 e la sua analoga in corrispondenza dell'imbocco GA-C1-lmb sono state dimensionate attraverso un'unica sezione di calcolo considerando a favore di sicurezza gli spessori di cls minori propri della sezione corrente e considerando la massima copertura tra tutti i tratti di applicazione delle due sezioni riscontrabile all'imbocco Lato Grosseto della Galleria Bucciano Ovest (vedi Figura 22 e Figura 23). È stato quindi assunta cautelativamente assunto che il terreno di riempimento abbia una copertura in asse di 4.5m e una pendenza media di 10°

Come mostrato dalla Figura 23, la sezione di verifica è confinata sia a destra che a sinistra da dei diaframmi provvisori di spessore 1.5m ed è interessata per i primi 2m circa dalla calotta da argille azzurre plioceniche alterate (FAAa) e inferiormente da argille azzurre plioceniche (FAA). Nei calcoli, a favore di sicurezza, si è considerato che la galleria sia a contatto con il materiale alterato fino alla muretta e si interfacci con quello compatto solo sull'arco rovescio. La falda si trova a circa 4m da piano campagna, ovvero circa in corrispondenza della calotta della sezione.

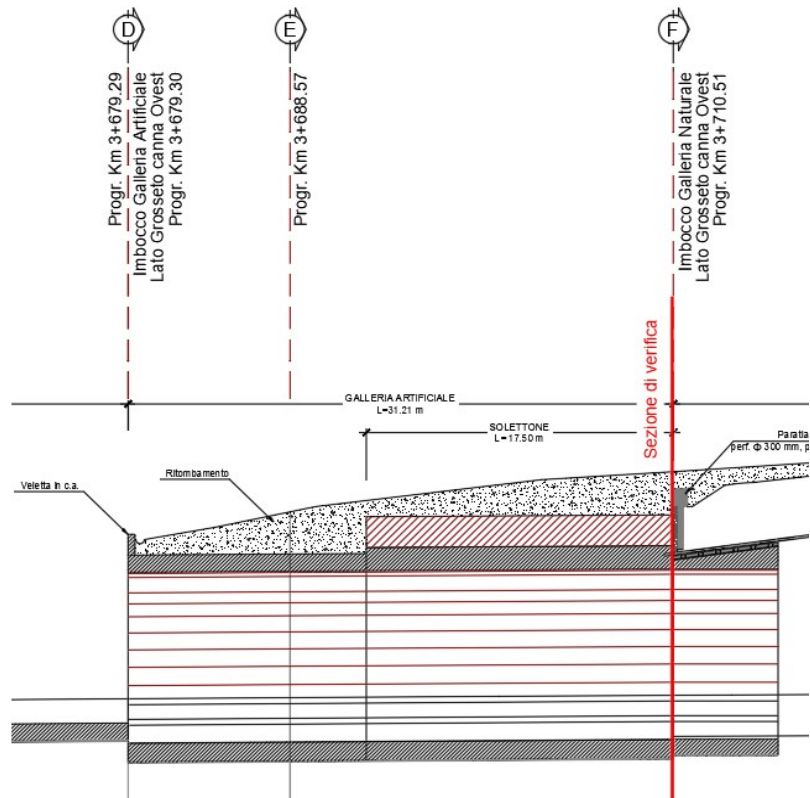


Figura 22: Profilo geologico Galleria Bucciano con individuazione sezione di verifica

SEZIONE F-F  
 Progressiva 3710.51

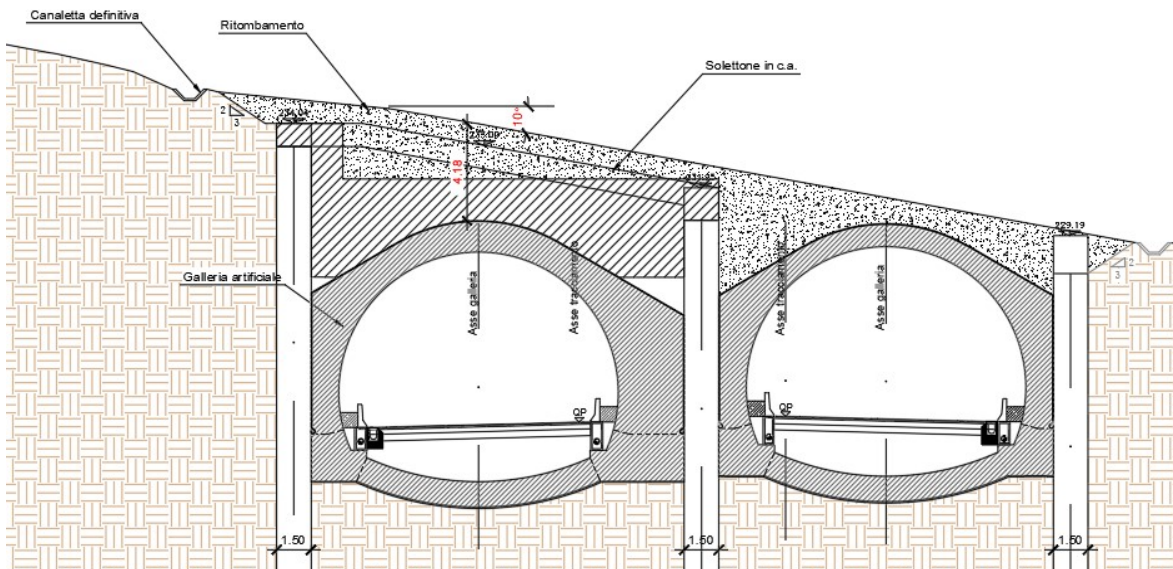
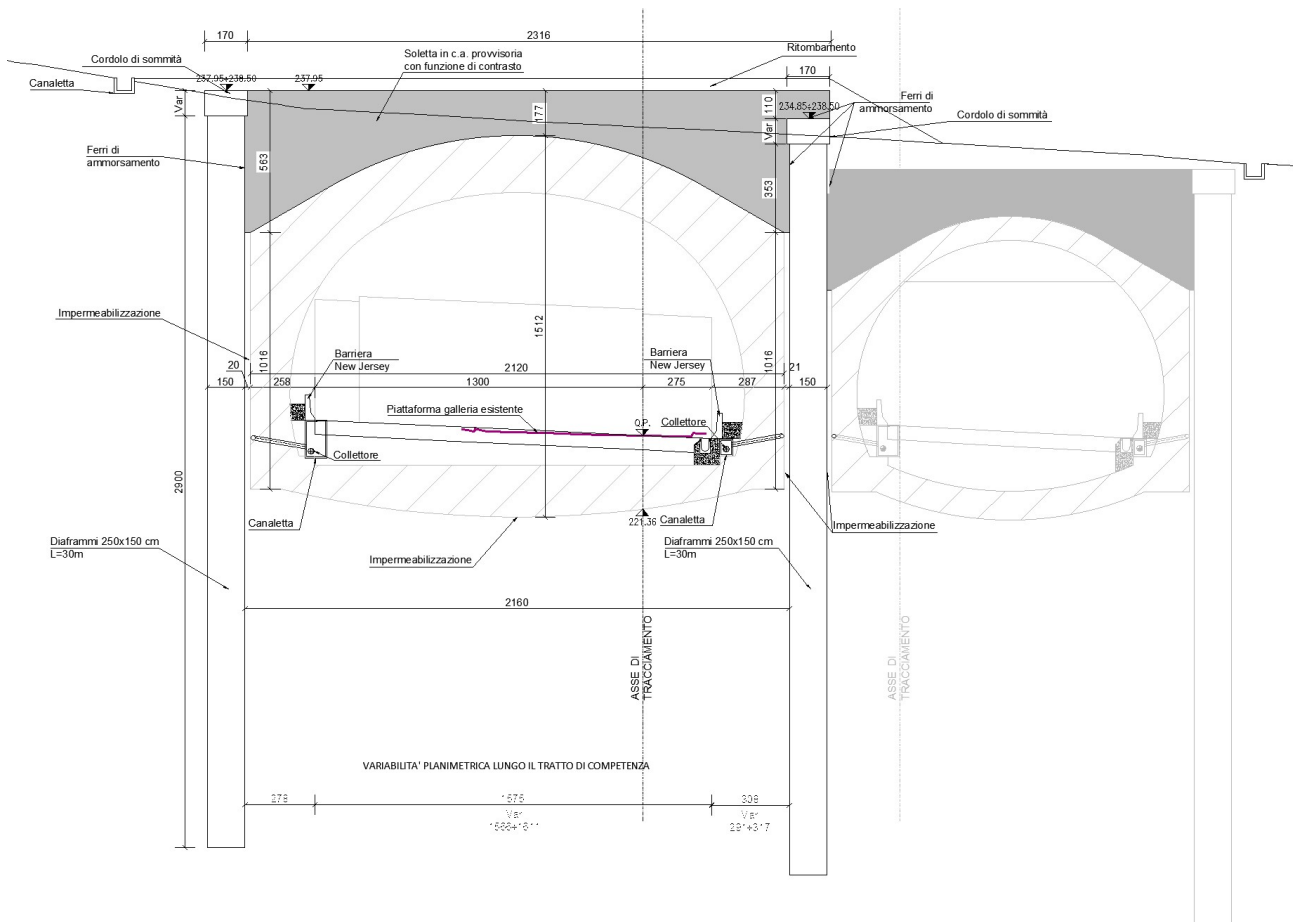


Figura 23: Sezione di verifica GA-C1 e GA-C1-Imb

## 8.2.2 Sezione GA-C2-Imb

La Figura 24 mostra una sezione rappresentativa della sezione GA-C2-Imb che verrà gettata sotto una soletta provvisoria con funzione di contrasto la cui parte superiore, per tutta la lunghezza, si trova pressoché in corrispondenza del piano campagna e, in fase definitiva, sarà ricoperta con uno spessore minimo di terreno di riempimento.

La galleria policentrica poggia su un argille azzurre plioceniche (FAA) e verrà gettata tra due diaframmi provvisori che sono a contatto, da una parte, con la canna est della galleria San Lazzerò e dall'altra, con le argille compatte nelle loro parte inferiore e con materiale di riempimento nella parte superiore. Nei calcoli a favore di sicurezza si è considerato che la galleria sia a contatto con materiale compatto solo sull'arco rovescio (FAA) e con materiale alterato in tutta la parte superiore alla muretta. Nelle tratte di applicazione della sezione, la falda si trova a circa 5-10m da piano campagna, ovvero in corrispondenza dei piedritti o calotta della sezione.



# Sezione S5-S5

Figura 24: Sezione di verifica GA-C2-Imb

### 8.3 Modello di calcolo

L'analisi strutturale delle sezioni trasversali studiate è stata condotta tramite il programma a elementi finiti SAP2000 considerando un concio di galleria di lunghezza unitaria (pari a 1.0m). La struttura è stata discretizzata mediante elementi finiti piani di tipo trave (beam) di lunghezza opportuna al fine di conseguire una sufficiente approssimazione delle componenti curve della sezione trasversale, circa 50 cm (si veda Figura 25 e Figura 26). Gli spessori delle aste variano in funzione dell'elemento strutturale (arco rovescio, ritii, muretta, calotta) considerato.

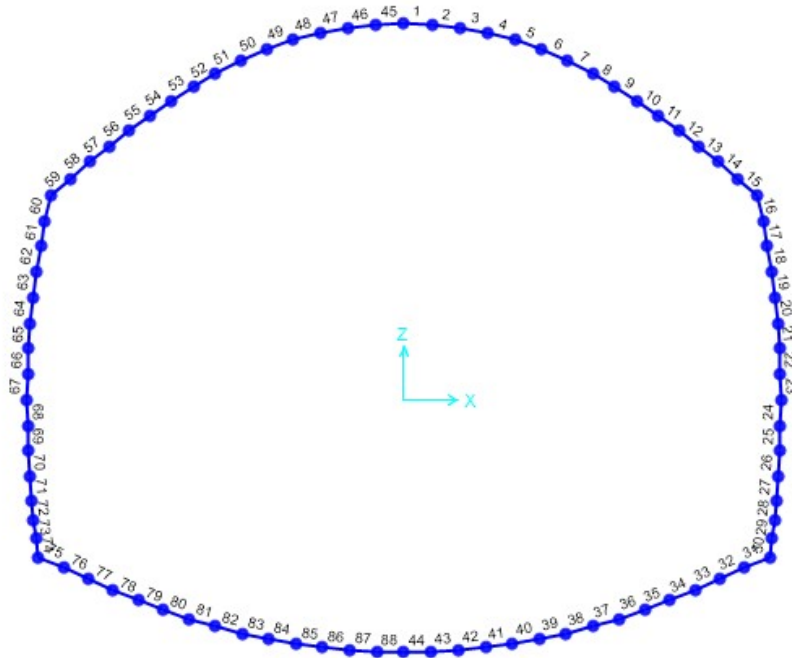


Figura 25: Sezione GA-C1: modello sezione trasversale

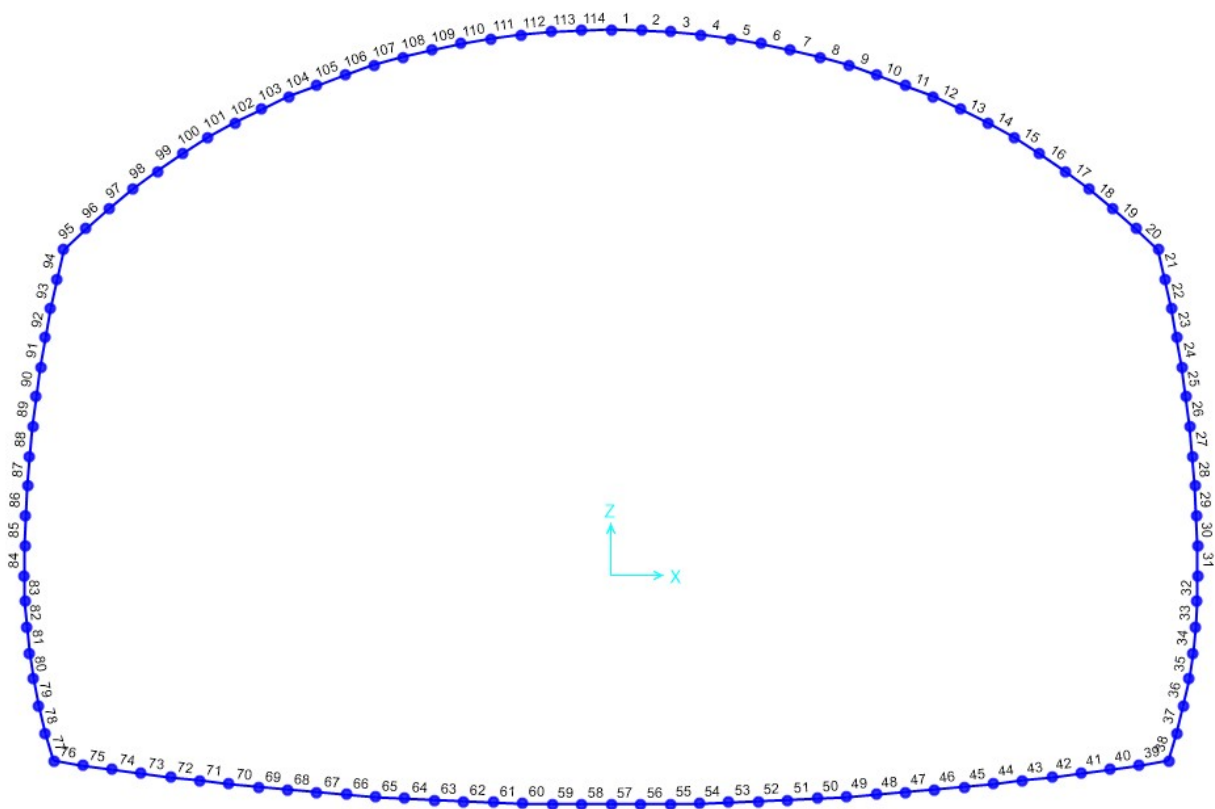


Figura 26: Sezione GA-C2-Imb: modello sezione trasversale

L'interazione terreno-struttura è stata simulata utilizzando delle molle lineari lungo gli elementi in grado di trasmettere alla struttura, solo se compressi, una reazione pari alla pressione di contatto terreno-struttura. La determinazione dei parametri di rigidità delle molle è stata condotta mediante le formulazioni proposte da Boussinesq per le superfici piane (piedritti) e da Galerkin per le superfici curve (arco rovescio e calotta) nell'ipotesi di deformazioni piane.

- Boussinesq (per superfici piane o assimilabili, ovvero per i piedritti):

$$k_B = \frac{E}{(1-\nu^2) \cdot B \cdot C_d} \text{ [F/L}^3\text{]}$$

Essendo:

- E modulo di elasticità del terreno;
- $\nu$  coefficiente di Poisson;
- $C_d$  coefficiente di forma.

Per il calcolo della rigidità sui piedritti di entrambe le sezioni, è stata considerata la rigidità E del terreno a monte dei diaframmi supponendo che questi trasmettano rigidamente le deformazioni della galleria al terreno retrostante, sicuramente meno rigido dei diaframmi stessi.

Il coefficiente di forma è dato in funzione delle caratteristiche geometriche della superficie di appoggio: la Tabella 4, in cui L e B sono rispettivamente lunghezza e base della ipotetica fondazione, riassume i valori considerati. La lunghezza L è stata assunta pari a 12m pari alla lunghezza di un concio di galleria mentre la grandezza B è stata considerata l'altezza totale del piedritto.

TABELLA	
L/B	$C_d$
1.5	1.15
2	1.30
3	1.52
5	1.83
10	2.25
100	3.7
1000	5.15
10000	6.6

Tabella 4

La legge forza-spostamento adottata è schematizzata nella Figura 27.

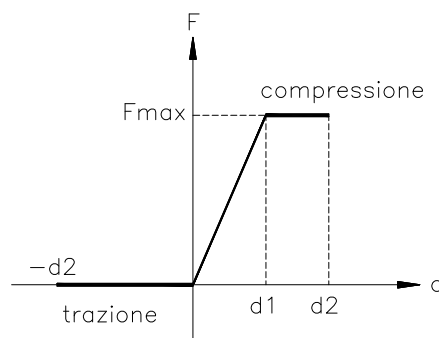


Figura 27: Legge forza-spostamento link

dove  $d_1$  è maggiore del massimo spostamento atteso per il generico nodo della struttura (ad esempio 1.0m).

- Galerkin (per superfici curve, ovvero per arco rovescio e calotta):

$$k_G = \frac{E}{(1+\nu) \cdot R_{eq}} \quad [F/L^3]$$

Essendo:

E modulo di elasticità del terreno;

$\nu$  coefficiente di Poisson;

$R_{eq}$  raggio di curvatura equivalente.

Per quanto riguarda l'arco rovescio della sezione GA-C2-lmb, poiché il raggio è molto elevato e la superficie di appoggio è quasi assimilabile ad una superficie piana, la rigidezza alla base dell'arco rovescio è stata stimata considerando una media tra i valori ottenuti con la formulazione di Galerkin e quella di Boussinesq.

La rigidezza flessionale della muretta è simulata attraverso una molla rotazionale applicata nei nodi 31 e 75 per la sezione GA-C1 e i nodi 39 e 77 per la sezione GA-C2-lmb con una rigidezza rotazionale calcolata con la formulazione proposta da Boussinesq:

$$k_{B\theta} = k_{BV} \frac{B_B^3}{12} \quad [F/L]$$

Essendo:

$k_{BV}$  rigidezza verticale di Bussinesq alla base della muretta

$B_B$  dimensione trasversale della superficie piana della muretta.

Inoltre, alla base della muretta, è stata considerata anche una rigidezza verticale calcolata con la formula di Bussinesq per superfici piane (per una lunghezza di 1,78m, pari alla sezione di base della muretta, applicata nei nodi 29 e 55 per la sezione GA-C1 e per una lunghezza di 1.22m e applicatata nei nodi 39 e 77 per la sezione GA-C2-lmb).

Per quanto riguarda la costante di Boussinesq, è stato posto come limite superiore un valore pari a 3 volte la costante ottenuta con il metodo di Galerkin sull'arco rovescio.

La Tabella 5 e la Tabella 6 esplicitano quale rigidezza è stata attribuita a ciascuna asta/nodo dal modello.

Sezione GA-C1		
	Aste* / Nodi**	Rigidezze
$k_G(\text{calotta})$	1-15; 45-59 (*)	1080 [kPa/m]
$k_{hB\_dx}(\text{ritti})$	16-30 (*)	3610 [kPa/m]
$k_{hB\_sx}(\text{ritti})$	60-74 (*)	3610 [kPa/m]
$k_G(\text{ar})$	31-44; 75-88 (*)	3520 [kPa/m]
$k_V(\text{mur})$	31; 75 (**)	10000 [kPa/m]
$k_\theta(\text{mur})$	31; 75 (**)	5000 [kN*m]

Tabella 5

Sezione GA-C2-lmb		
	Aste* / Nodi**	Rigidezze
$k_G(\text{calotta})$	1-20; 95-114 (*)	1500 [kPa/m]
$k_{hB}(\text{ritti})$	21-38; 71-94 (*)	2870 [kPa/m]
$k_G(\text{ar})$	39-76 (*)	3500 [kPa/m]
$k_V(\text{mur})$	39; 77 (**)	10000 [kPa/m]
$k_\theta(\text{mur})$	39; 77 (**)	1500 [kN*m]

Tabella 6

Dato il comportamento non lineare delle molle, l'analisi a struttura è stata condotta con un'analisi di tipo elastico-non lineare.

## 8.4 Analisi dei carichi

### 8.4.1 Peso proprio

Il peso proprio della struttura è valutato in ragione di  $25.0 \text{ kN/m}^3$  ed è computato automaticamente dal programma di calcolo. Il peso proprio è parte della condizione di carico **PP**.

### 8.4.2 Peso del ricoprimento

Il peso del ricoprimento costituisce un carico permanente verticale valutato in funzione dello spessore. Per la sezione GA-C1, è stato cautelativamente considerato il peso di un terreno di riempimento ( $20.5 \text{ kN/m}^3$  peso saturo) con un'altezza della copertura sull'asse della calotta pari a  $4.5 \text{ m}$ .

Per la sezione GA-C2-lmb invece si è considerato che a lungo termine il solettone sotto il quale verrà gettata la sezione non garantirà nessuna resistenza e costituirà solamente un peso sul rivestimento definitivo della sezione in ragione di  $25 \text{ kN/m}^3$  per uno spessore in asse di  $1.75 \text{ m}$ .

È stato opportunamente tenuto in conto che, allontanandosi dall'asse della galleria, il carico cambia sia per l'inclinazione del riempimento sia per il cambiamento di quota dei nodi. Il peso del ricoprimento è stato inserito nella condizione di carico **PV** ed è applicato a tutti i nodi nella parte superiore del modello.

### 8.4.3 Spinte laterali del terreno

Sui lati della galleria sono state considerate le spinte orizzontali del terreno. Tali spinte agenti sulla parte a sinistra e a destra della galleria sono state inserite rispettivamente nella condizione di carico **PH<sub>sx</sub>** e **PH<sub>dx</sub>**.

Per le sezioni GA-C1 e GA-C2-lmb, sia il ritto di destra che quello di sinistra si trovano a contatto con la paratia di imbocco tramite un getto di riempimento. Dato che la paratia ha carattere provvisoria, si è considerato che sulla galleria agiscono le stesse spinte che agiscono a monte della paratia stessa. Tali spinte sono state ottenute facendo l'integrale del prodotto tra lo sforzo verticale e il coefficiente di spinta a riposo. Lo sforzo verticale e il coefficiente di spinta  $k_0$  (calcolato come:  $k_0 = (1 - \sin\phi)$ ) sono stati calcolati in ragione del peso e dell'angolo d'attrito considerando cautelativamente che lo strato di argille plioceniche alterate/terreno di riempimento interagisca con la struttura dalla calotta fino alla quota delle murette.

Si fa notare che la spinta del terreno è stata considerata da entrambi i lati della galleria anche se da un lato i diaframmi confinano con la seconda canna della galleria. Tale assunzione è stata ritenuta comunque ragionevole in quanto la galleria è un'opera rigida in grado di trasmettere i carichi.

### 8.4.4 Spinta idrostatica dell'acqua di falda

In corrispondenza delle gallerie artificiali, la falda varia da circa  $1$  a  $10 \text{ m}$  dal piano campagna; nelle analisi è stato considerato cautelativamente che la falda si trovi in chiave alla calotta. Sono stati considerati due scenari:

- Lungo la calotta l'acqua viene allontanata e la pressione annullata con la messa in opera di impermeabilizzazione e drenaggi; la pressione dell'acqua si registra solo in arco rovescio al disotto del dreno. Nel seguito tale scenario verrà identificato come "Falda Dreno".
- Nel caso di malfunzionamento del dreno, si ipotizza che l'acqua generi una pressione idrostatica sulla galleria. Nel seguito tale scenario verrà identificato come "Falda Calotta".

Le spinte idrostatiche dell'acqua sono state inserite nel programma come carichi orizzontali e verticali agenti sui nodi (**Uv** e **Uh**).



## 8.4.5 Azione sismica

### 8.4.5.1 *Periodo di riferimento per l'azione sismica*

L'accelerazione orizzontale massima attesa al sito dipende dal periodo di riferimento considerato per la definizione dell'azione sismica. Data la tipologia della struttura in progetto si ritiene di attribuire, ai sensi della tabella 2.4.I del D.M. 17.01.2018, una vita nominale  $V_N \geq 50$  anni. Si è scelto di adottare una classe d'uso IV, come definita al par 2.4.2 del DM 17.01.2018. In base alla tabella 2.4.II il coefficiente d'uso vale  $C_U = 2$ .

Pertanto il periodo di riferimento per l'azione sismica vale:

$$V_R = V_N \times C_U = 50 \times 2 = 100 \text{ anni}$$

### 8.4.5.2 *Parametri sismici*

I parametri sismici di base sono riportati nella Relazione sismica allegata al presente progetto [1]. I valori di accelerazione massima attesa  $a_g$  su sito di riferimento rigido orizzontale e i valori dell'amplificazione dello spettro in accelerazione orizzontale  $F_0$ , per i periodi di ritorno  $T_R$  associati a ciascuno stato limite valgono:

Stato Limite	$T_R$ [anni]	$a_g$ [g]	$F_0$ [-]	$T_c^*$ [s]
<b>SLO</b>	60	0.064	2.518	0.258
<b>SLD</b>	101	0.079	2.509	20.264
<b>SLV</b>	949	0.174	2.516	0.283
<b>SLC</b>	1950	0.212	2.556	0.290

Tabella 7

### 8.4.5.3 *Categoria sismica dei suoli di fondazione e coefficiente di amplificazione stratigrafica*

Ai fini della progettazione geotecnica e strutturale delle opere, si individua un'unica categoria di suolo di fondazione, corrispondente alla **categoria C**.

In base alla categoria di sottosuolo individuata sono stati quindi ottenuti i seguenti valori del coefficiente di amplificazione stratigrafica  $S_s$  (cfr. Tabella 3.2.IV del D.M. 17/01/18), funzione anch'essi dello stato limite considerato:

nel caso di verifiche **SLV** ( $a_g=0,174$ ,  $F_0=2,516$  e  $T_c^*=0,283$ ):

Categoria sottosuolo	$S_s$
C	$1.00 \leq 1.70 - 0.60 \times F_0 \times a_g/g = \mathbf{1.437} \leq 1.50$

Tabella 8

### 8.4.5.4 *Coefficiente di amplificazione topografica*

In base alle condizioni topografiche presenti in sito ( $T1=$  Superficie pianeggiante, pendii e rilievi isolati con inclinazione media  $i \leq 15^\circ$ ) sono stati ottenuti i seguenti valori dei coefficienti di amplificazione topografica  $S_T$  (cfr. Tabella 3.2.V del D.M. 17.01.18), utilizzati nelle verifiche sismiche a seconda del caso considerato:

Categoria topografica	$S_T$
T1	1,0

Tabella 9

### 8.4.5.5 Forze d'inerzia sulle masse dovute a peso proprio e permanenti

Si calcolano i coefficienti sismici:

Coefficiente per forze orizzontali SLV:  $K_{h,slv} = \pm a_g/g \times S_S \times S_T = \pm 0.174 \times 1.437 \times 1 = \pm 0.250$

Coefficiente per le forze verticali SLV:  $K_{v,slv} = \pm 0.5 \times K_{h,slv} = 0.125$

Moltiplicando i pesi propri delle strutture e del terreno per i coefficienti sismici appena calcolati si trovano le forze d'inerzia delle masse causate dal sisma (forza d'inerzia verticale:  $F_{iv} = K_{v,SLV} \cdot W$  e forza d'inerzia orizzontale:  $F_{ih} = K_{h,SLV} \cdot W$ ). Nel caso in esame, la condizione di carico più critica è quella derivante da una forza d'inerzia diretta verso il basso e da sinistra verso destra.

Le forze d'inerzia verticali vengono tenute in conto nelle stesse combinazioni PP e PV dove le forze d'inerzia vengono sommate ai pesi traducendosi in un'amplificazione del peso:

$$F_{iv} + W = W \times K_{v,slv} + W = (1 + K_{v,slv})W = 1.125 W$$

Le forze d'inerzia orizzontali della massa di cls sono pari a  $F_{ih} = K_{h,slv} \times W = 0.25 W$  e sono state inserite nel programma di calcolo nella condizione di carico col nome **ln\_H\_cls**.

Infine l'azione del sisma è stato considerato anche incrementando/decrementando le spinte orizzontali del terreno a destra e sinistra della galleria (nelle rispettive combinazioni PH\_dx e PH\_sx) per un coefficiente che tiene conto in modo combinato dell'incremento del carico verticale e orizzontale:

- in PH\_sx:  $(1 + K_{v,slv}) (1 + K_{h,slv}) = 1.41$
- in PH\_dx:  $(1 + K_{v,slv}) (1 - K_{h,slv}) = 0.84$

Le spinte dell'acqua sono state amplificate con gli stessi coefficienti adottati per le spinte delle terre.

### 8.5 Quadro delle combinazioni adottate

Nella Tabella 10 sono riassunte le combinazioni di carico che sono state utilizzate per fare le verifiche agli stati limite ultimi e agli stati limite di esercizio secondo il D.M. 17 gennaio 2018 Par. 2.5.3.

Per quanto riguarda la combinazione agli Stati Limiti Ultimi, si considera la combinazione *fondamentale* (indicata come **SLU**) con i coefficienti A1(STR) che si trovano nella Tabella 6.2.I del D.M. 17 gennaio 2018.

Per la combinazione sismica (indicata nel seguito come **SLV**) non sono previsti dei coefficienti di amplificazione dei carichi; i coefficienti che si leggono nella tabella sottostante traducono la presenza combinata del carico stesso e dell'inerzia per il sisma come illustrato nel Par. 8.4.5.5.

Si nota che per quanto riguarda gli stati limite di Esercizio, non avendo considerato alcun carico accidentale, la combinazione *rara*, *frequente* e *quasi permanente* coincidono e vengono raggruppate nella combinazione chiamata **SLE**.

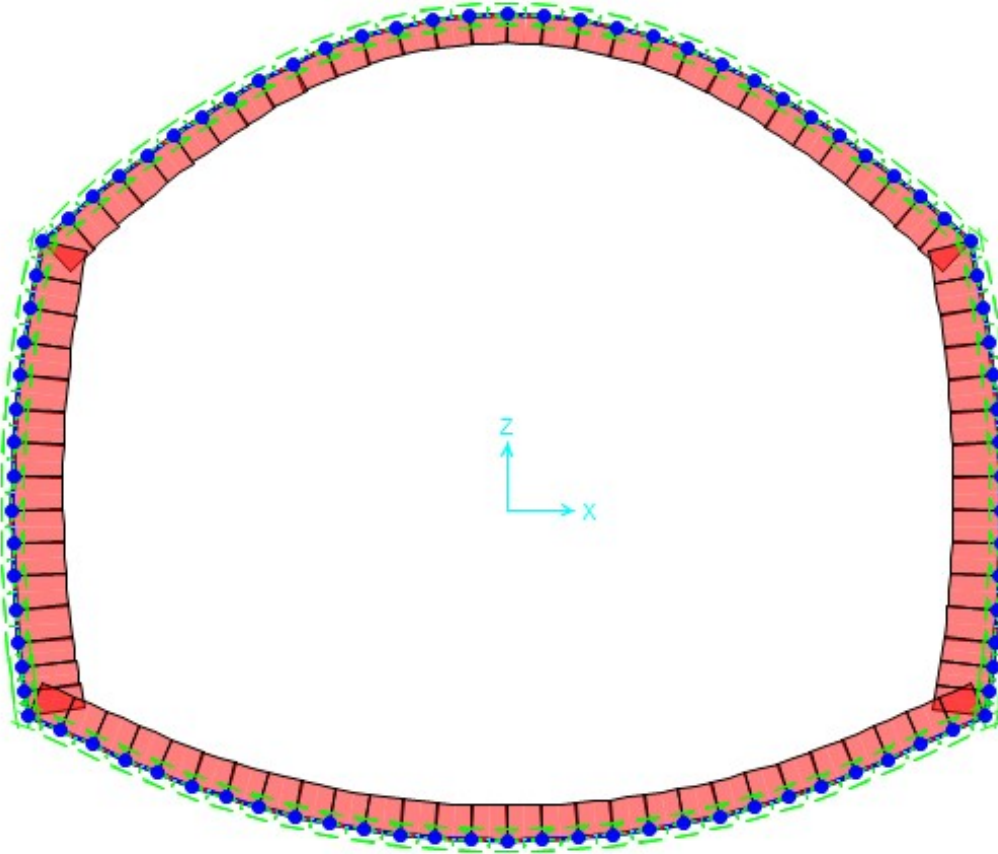
	PP	PV	PH_dx	PH_sx	lz_H_cls	Uv	Uh_dx	Uh_sx
SLE	1	1	1	1	0	1	1	1
SLU	1,3	1,3	1,3	1,3	0	1.3	1.3	1.3
SLV	1,125	1,125	0,84	1,41	0,25	±1,125	0,84	1,41

Tabella 10

## 8.6 Sollecitazioni

Si riportano nel seguito i grafici delle sollecitazioni nelle diverse combinazioni di carico. Per brevità si riportano solamente i grafici relativi allo scenario più rappresentativo.

### 8.6.1 Sezione GA-C1



**Figura 28: Sezione GA-C1 - Andamento dell'azione assiale nella combinazione SLE.**

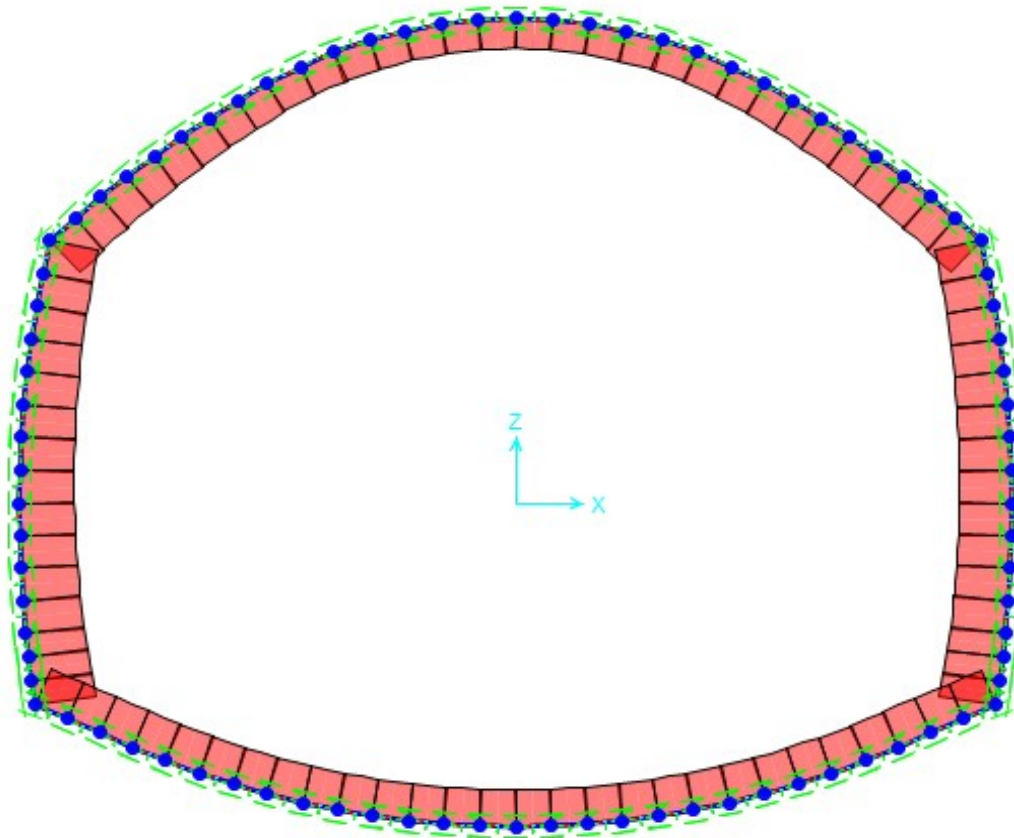


Figura 29: Sezione GA-C1 - Andamento dell'azione assale nella combinazione SLU.

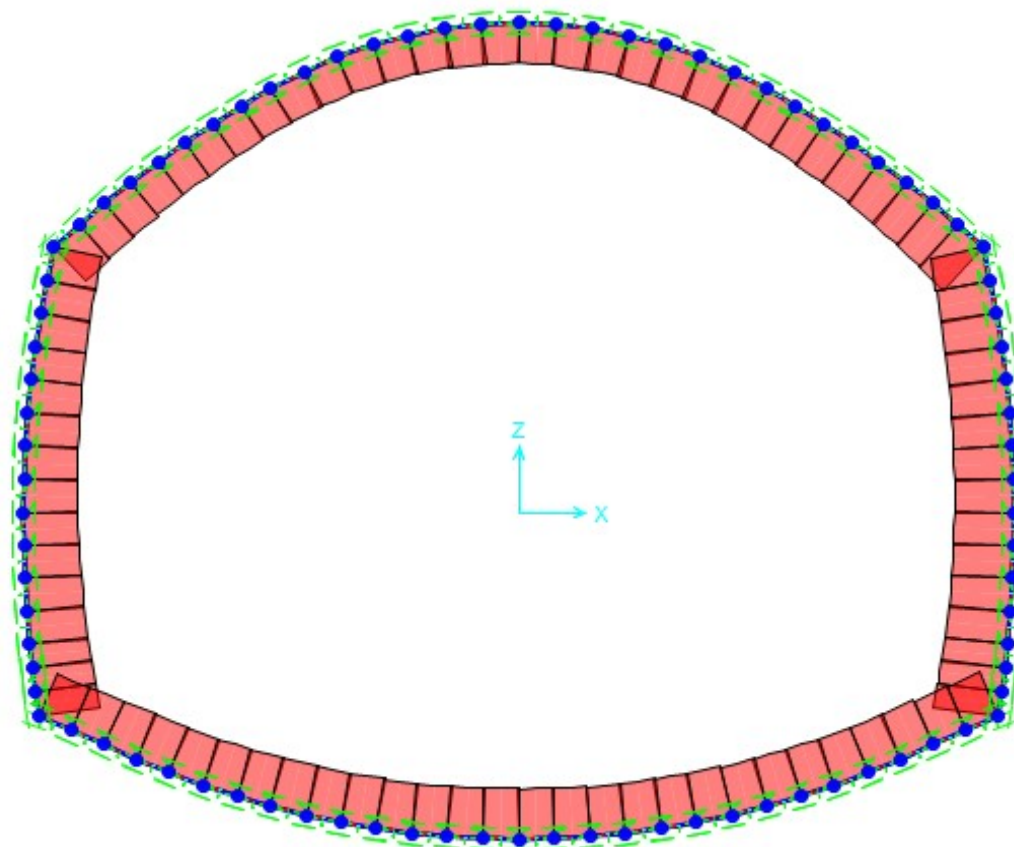


Figura 30: Sezione GA-C1 - Andamento dell'azione assale nella combinazione SLV.

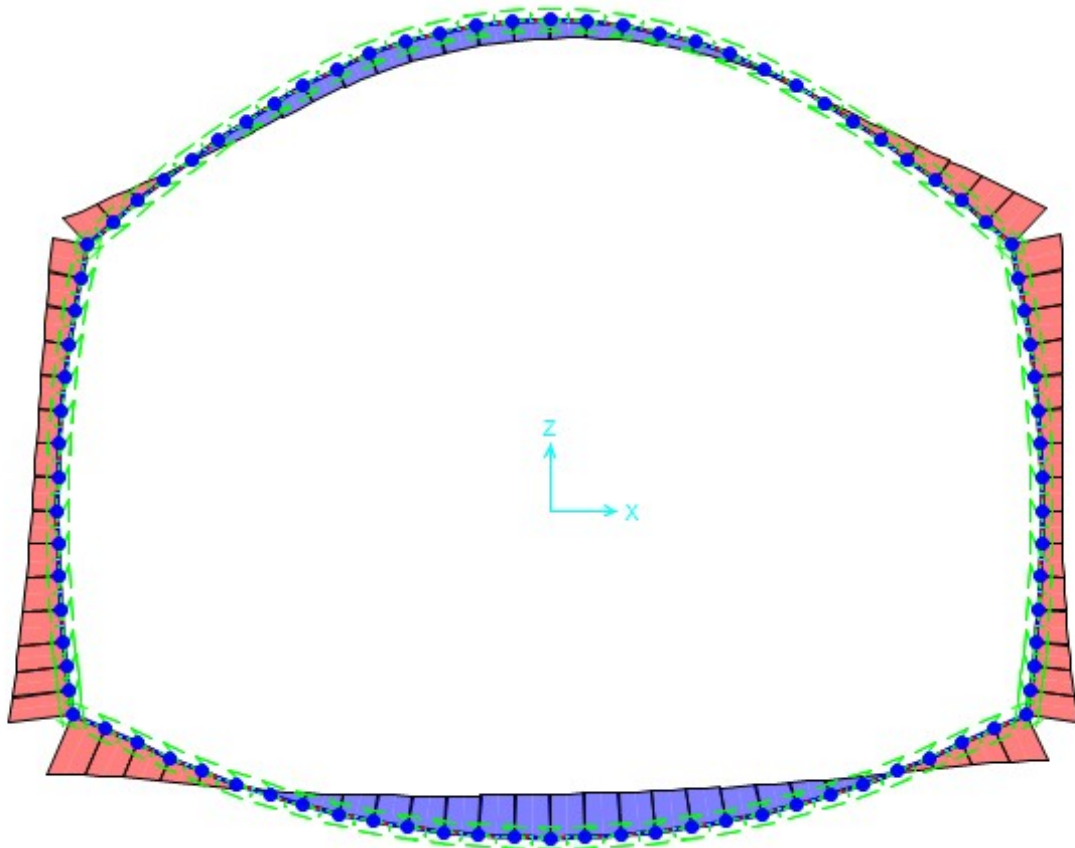


Figura 31: Sezione GA-C1 - Andamento del momento flettente nella combinazione SLE.

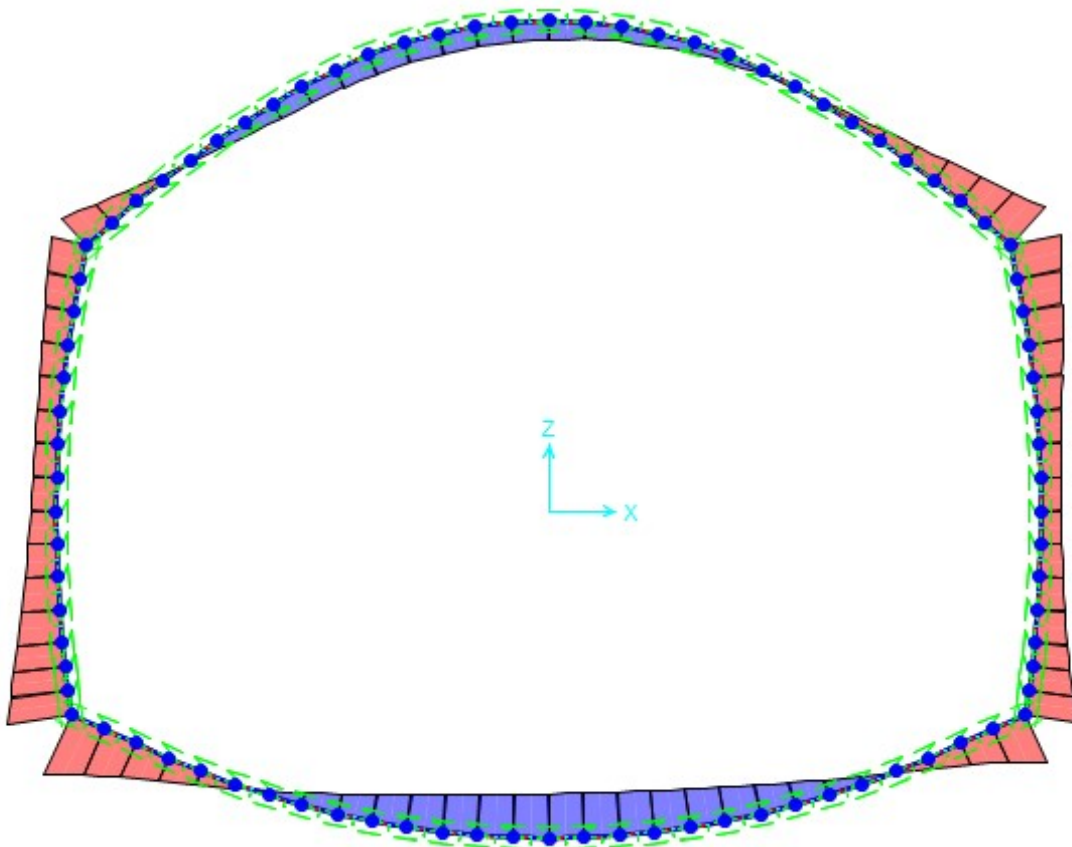


Figura 32: Sezione GA-C1 - Andamento del momento flettente nella combinazione SLU.

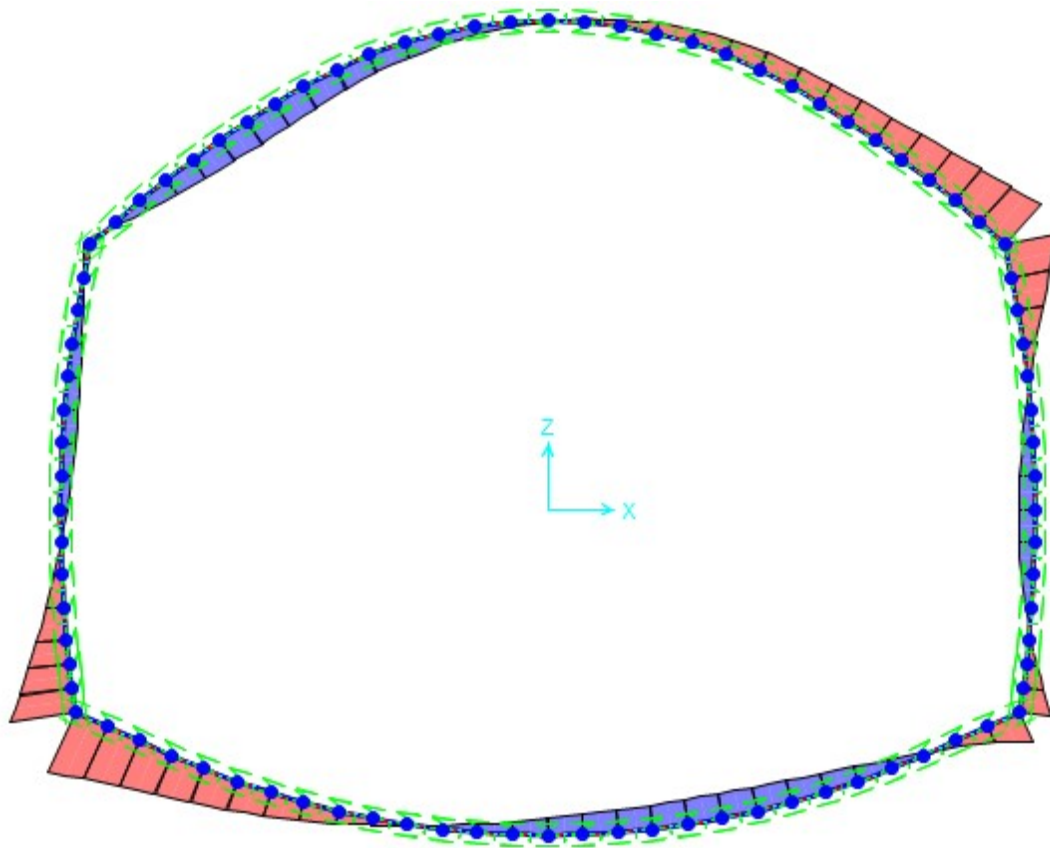


Figura 33: Sezione GA-C1 - Andamento del momento flettente nella combinazione SLV.

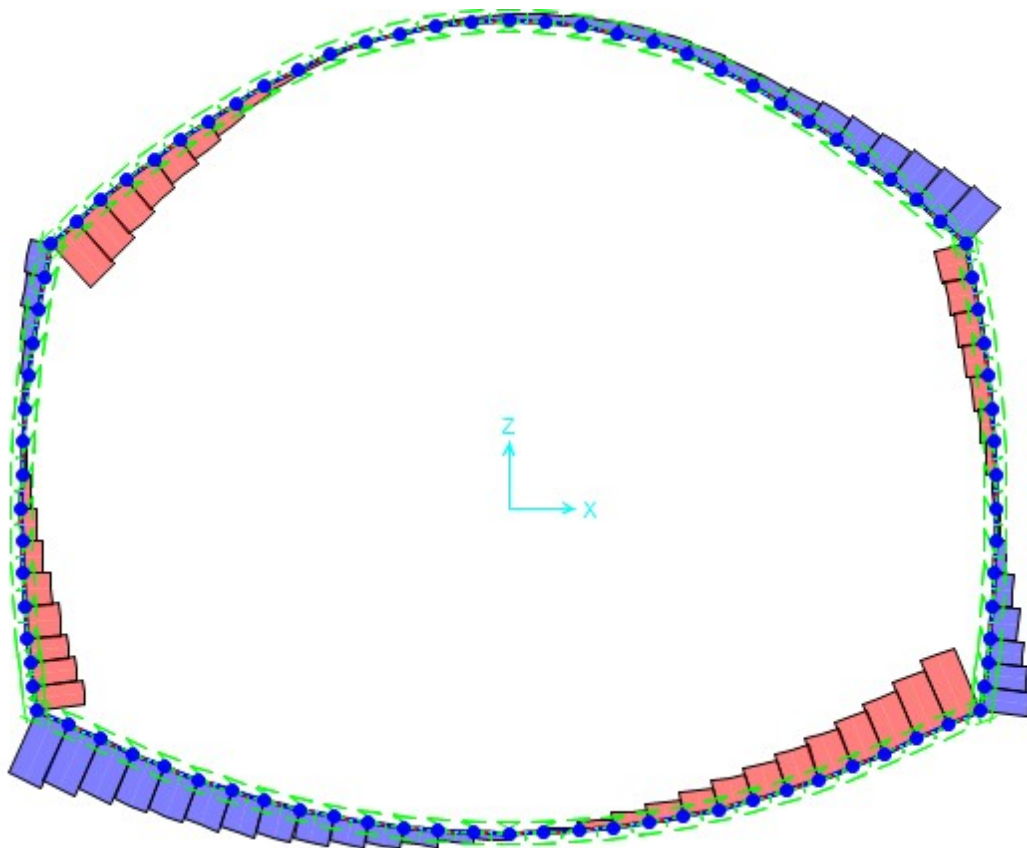


Figura 34: Sezione GA-C1 - Andamento del taglio nella combinazione SLE.

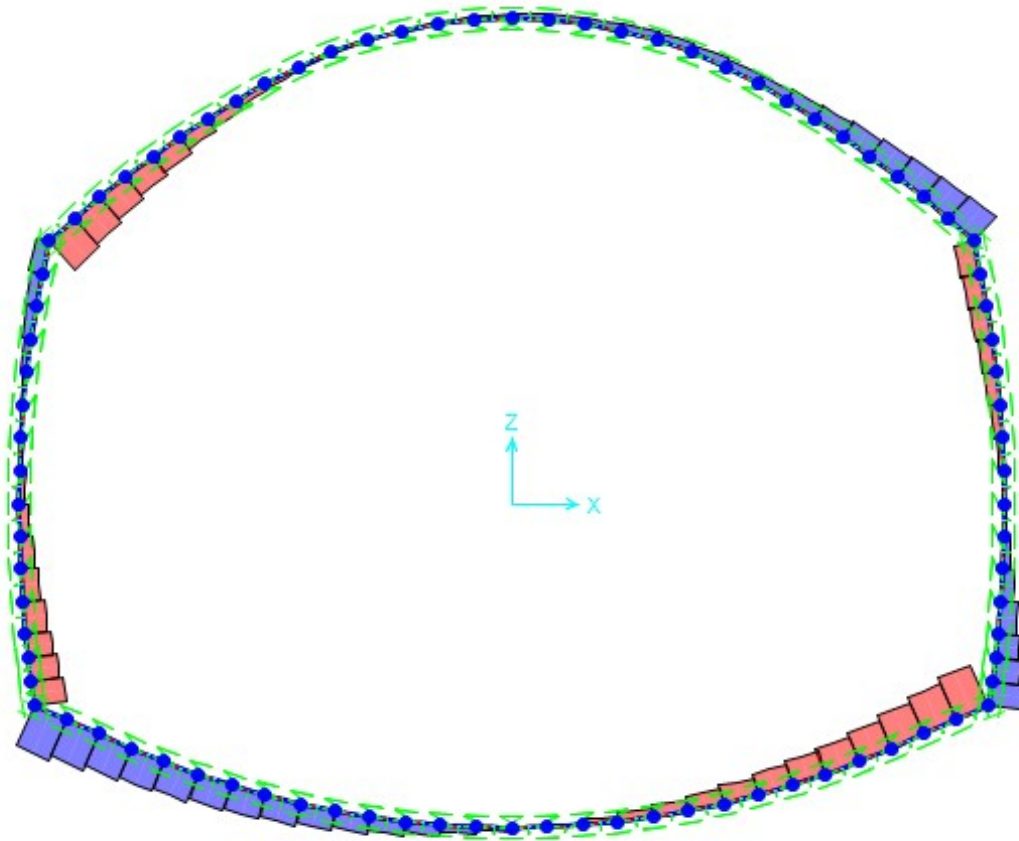


Figura 35: Sezione GA-C1 - Andamento del taglio nella combinazione SLU.

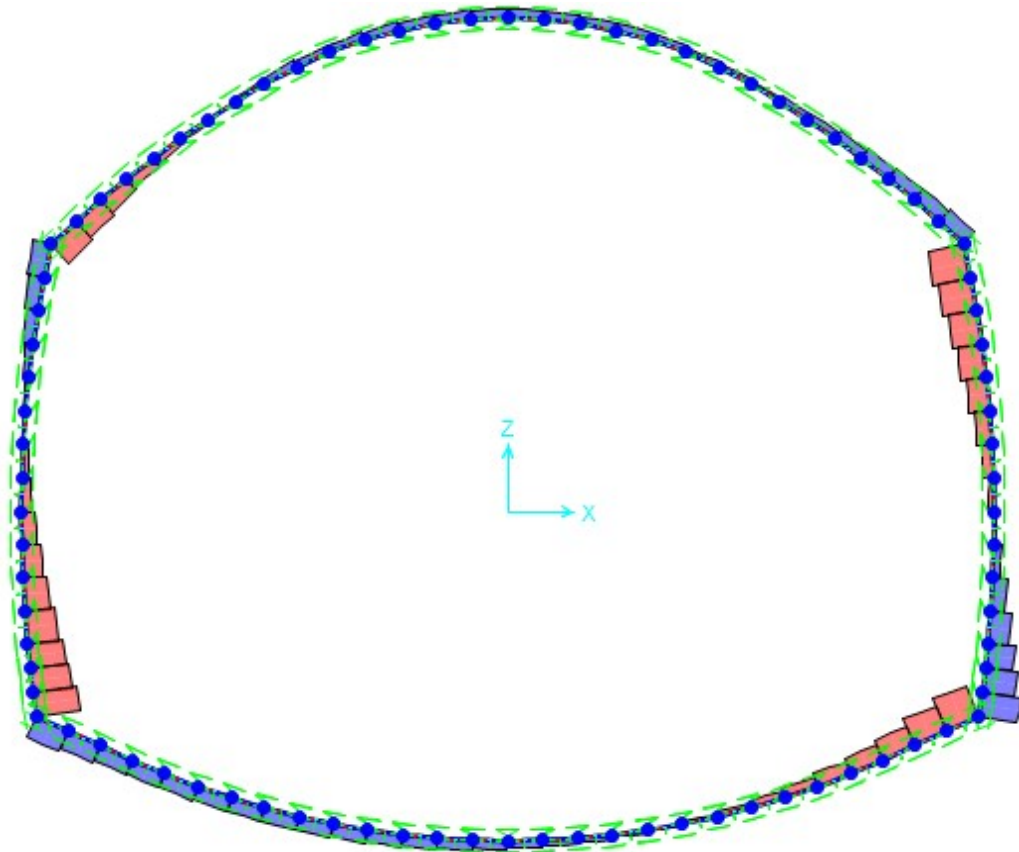


Figura 36: Sezione GA-C1 - Andamento del taglio nella combinazione SLV.

### 8.6.2 Sezione GA-C2-Imb

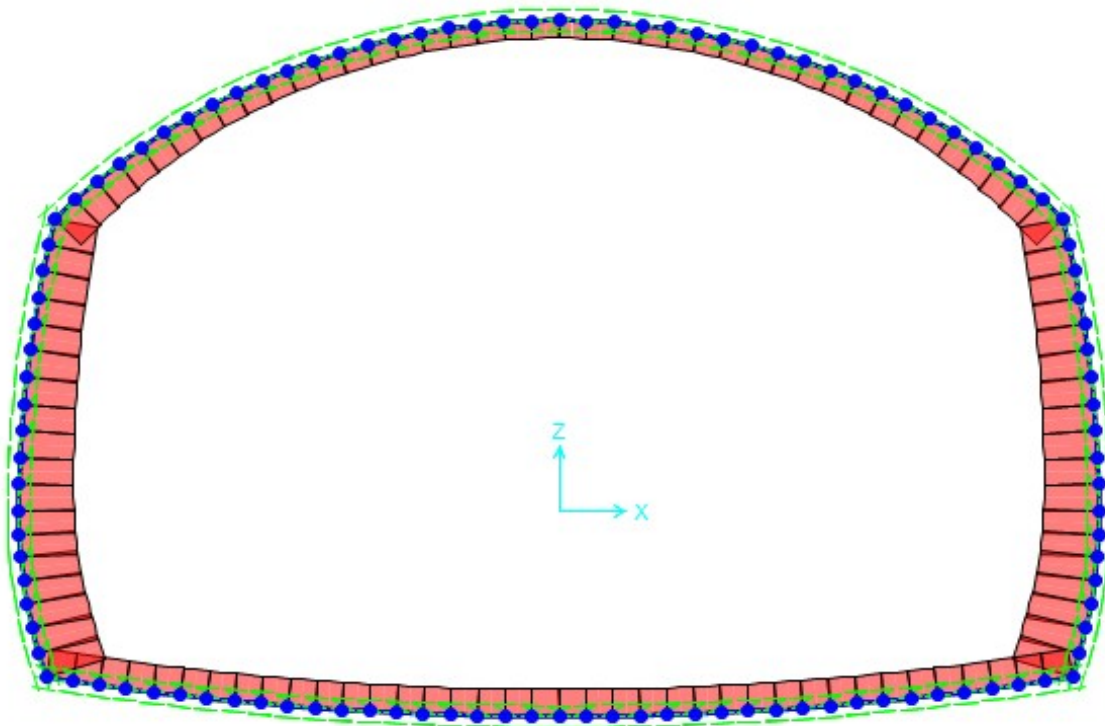


Figura 37: Sezione GA-C2-Imb - Andamento dell'azione assale nella combinazione SLE.

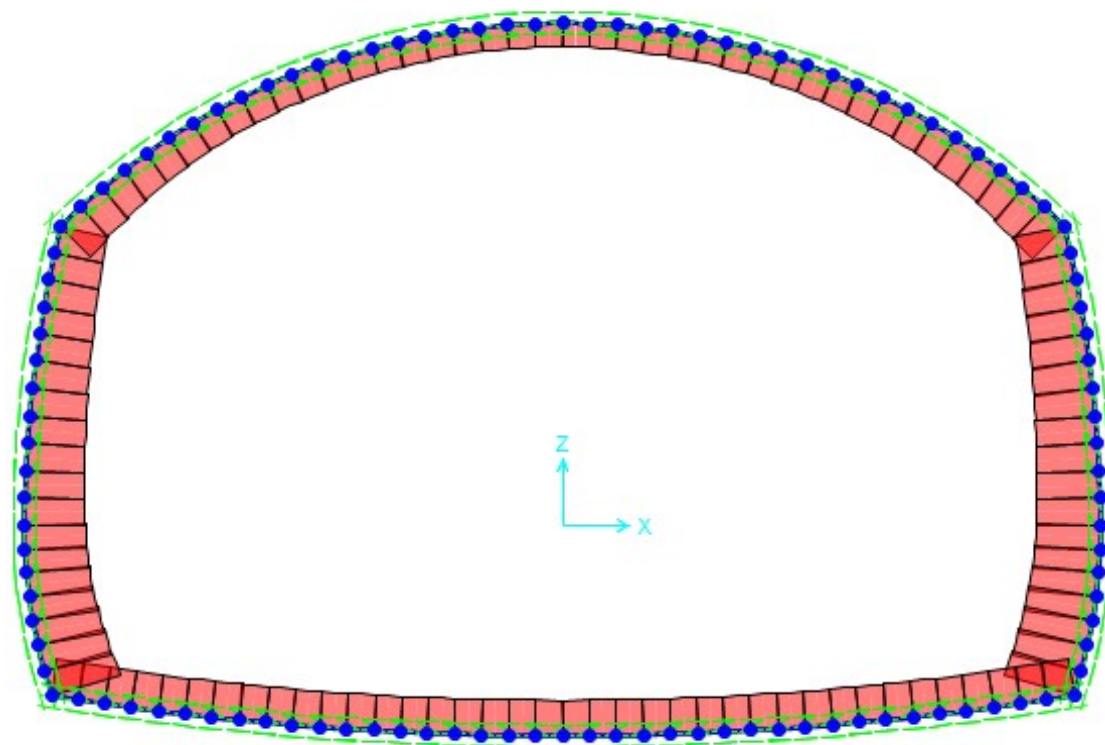


Figura 38: Sezione GA-C2-Imb - Andamento dell'azione assale nella combinazione SLU.



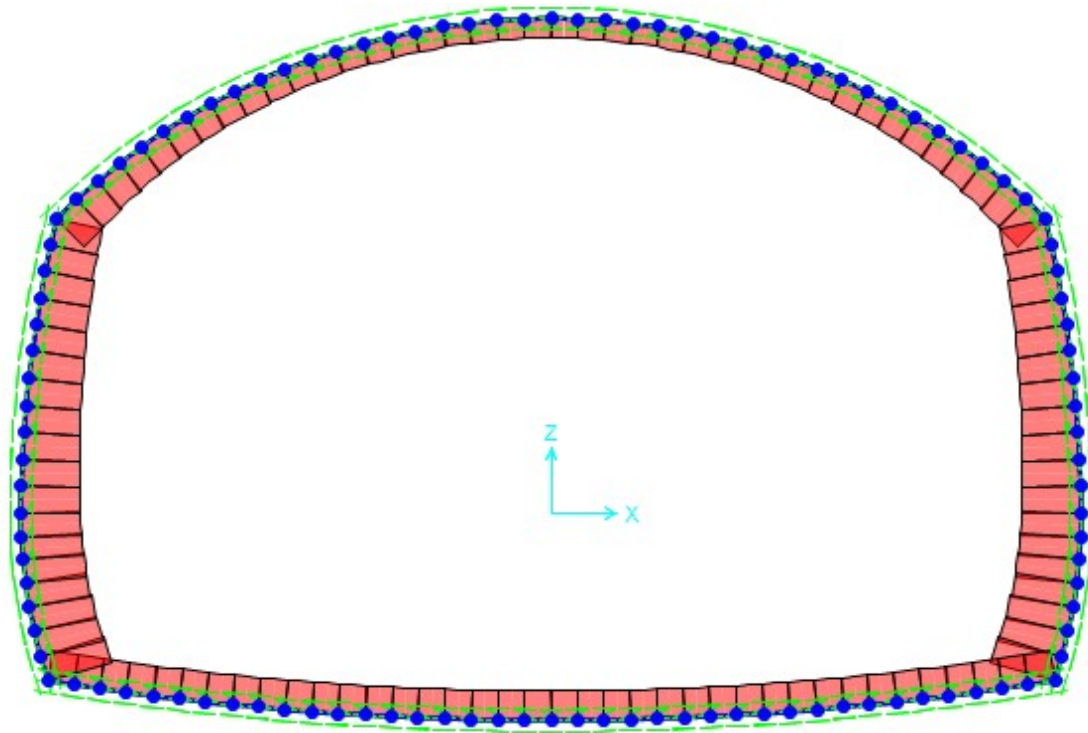


Figura 39: Sezione GA-C2-Imb - Andamento dell'azione assiale nella combinazione SLV.

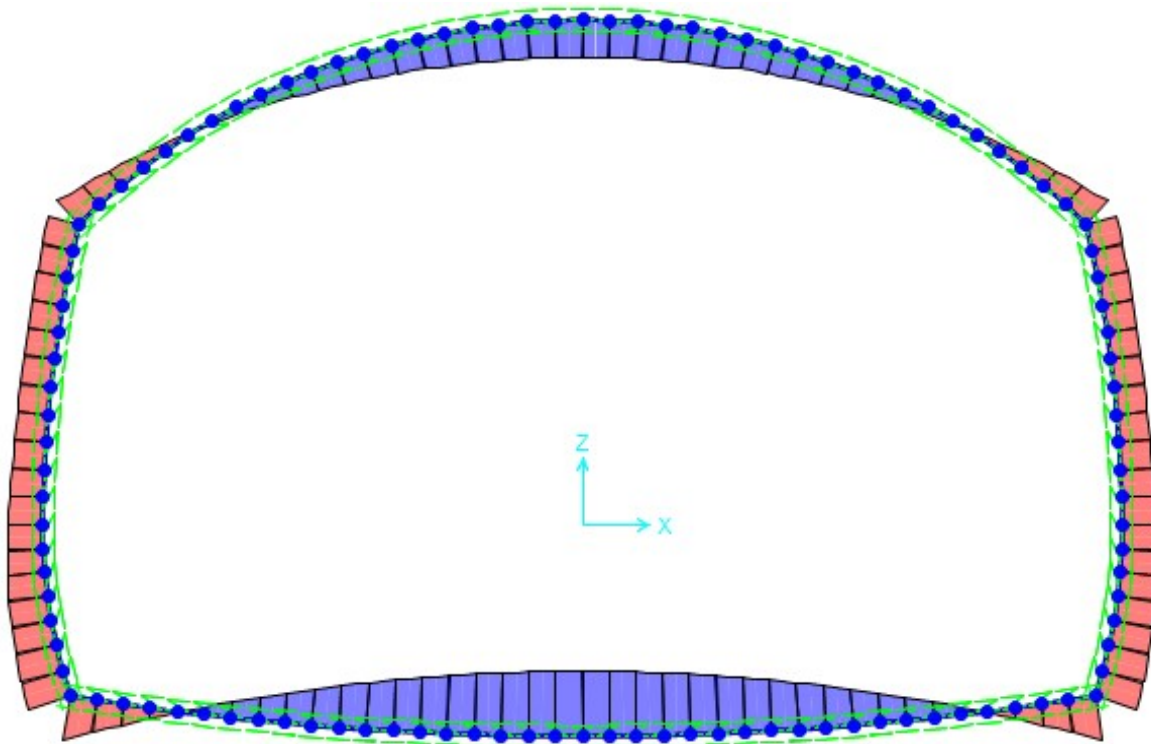


Figura 40: Sezione GA-C2-Imb - Andamento del momento flettente nella combinazione SLE.

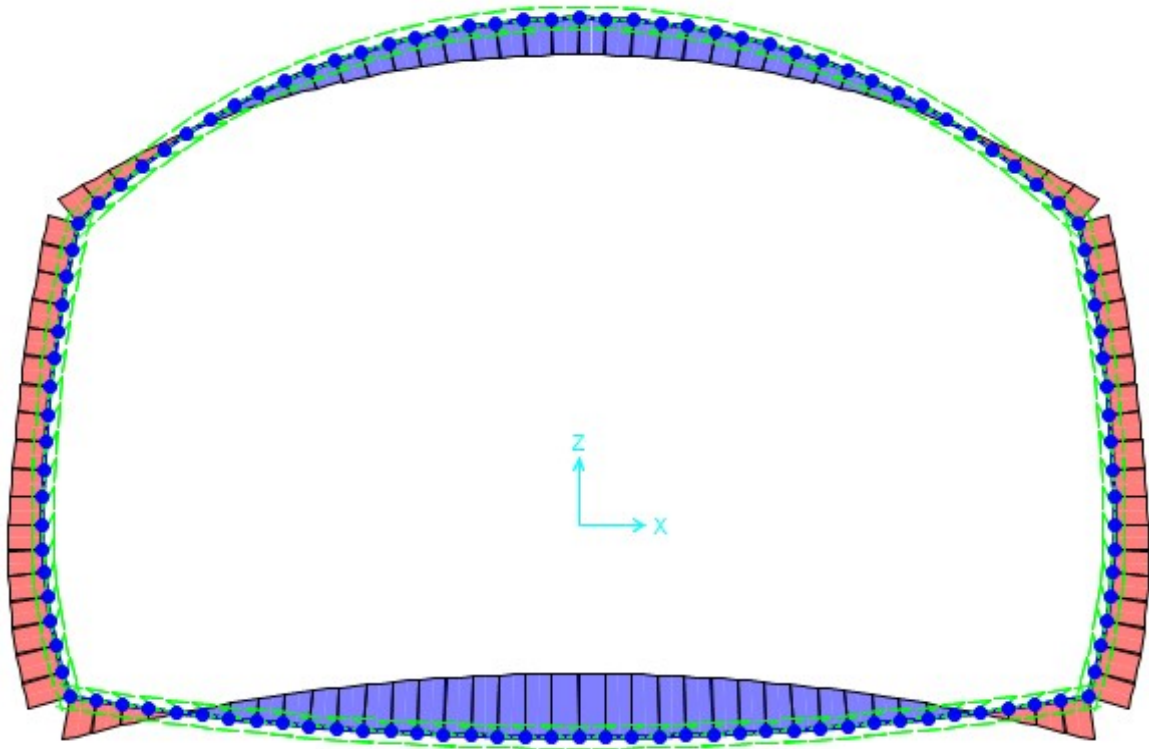


Figura 41: Sezione GA-C2-lmb - Andamento del momento flettente nella combinazione SLU.

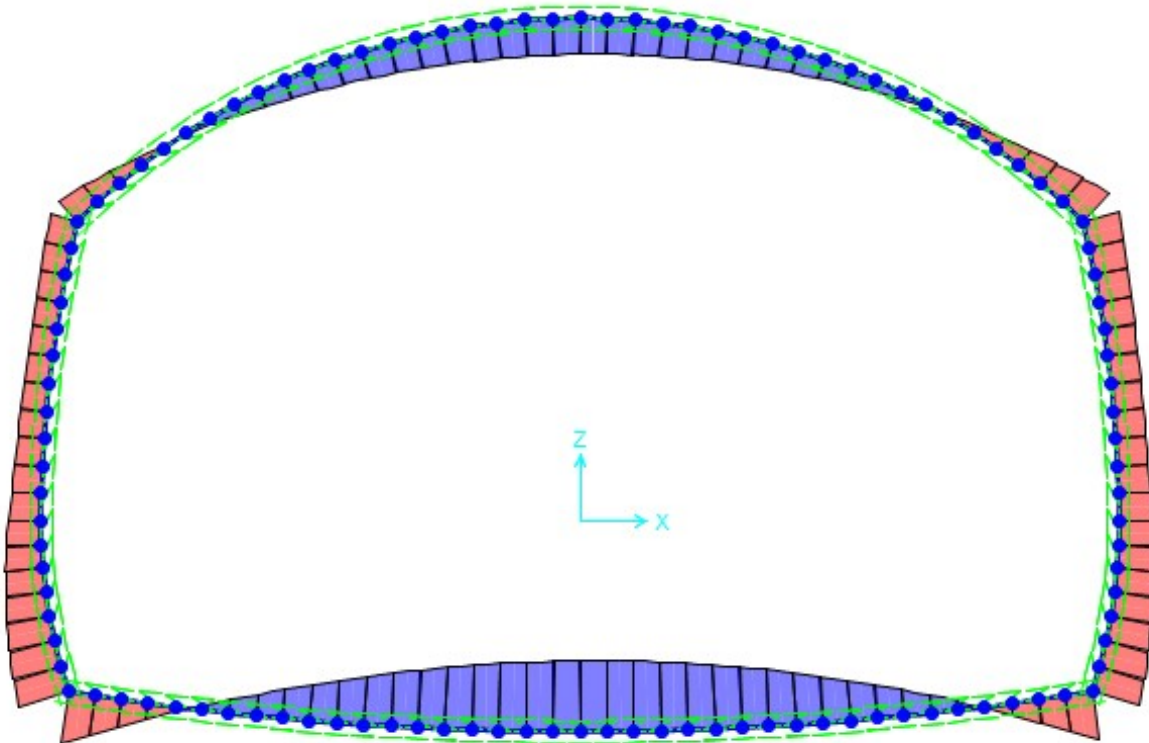


Figura 42: Sezione GA-C2-lmb - Andamento del momento flettente nella combinazione SLV.

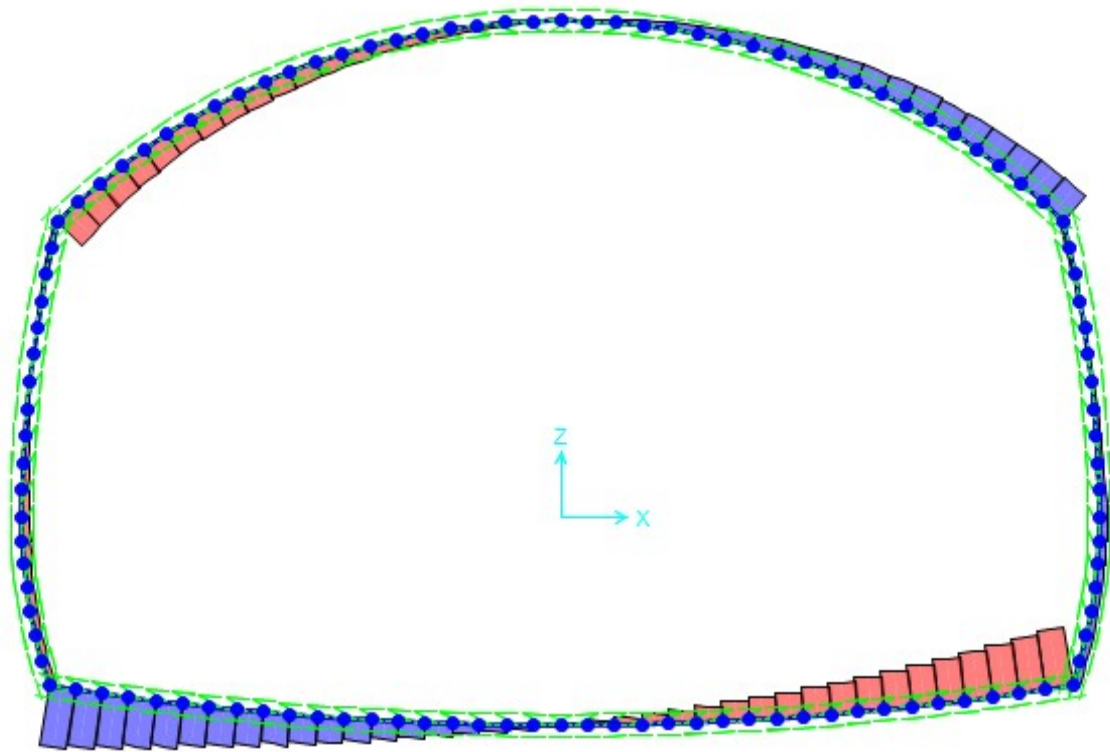


Figura 43: Sezione GA-C2-1mb - Andamento del taglio nella combinazione SLE.

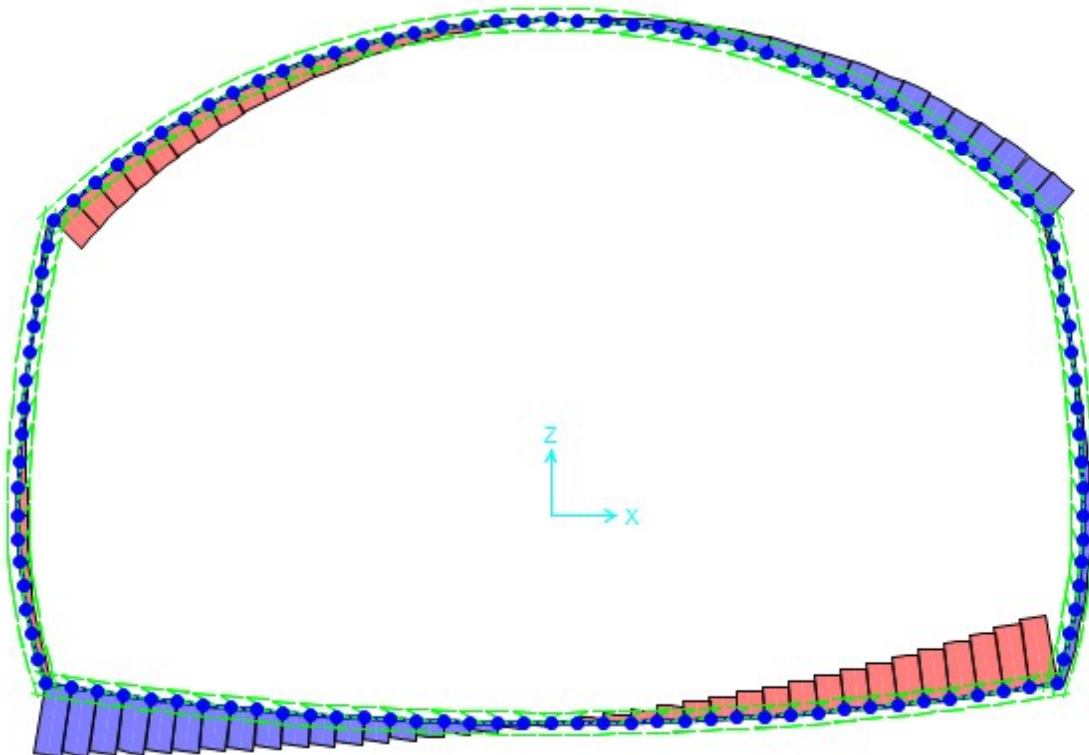


Figura 44: Sezione GA-C2-1mb - Andamento del taglio nella combinazione SLU.

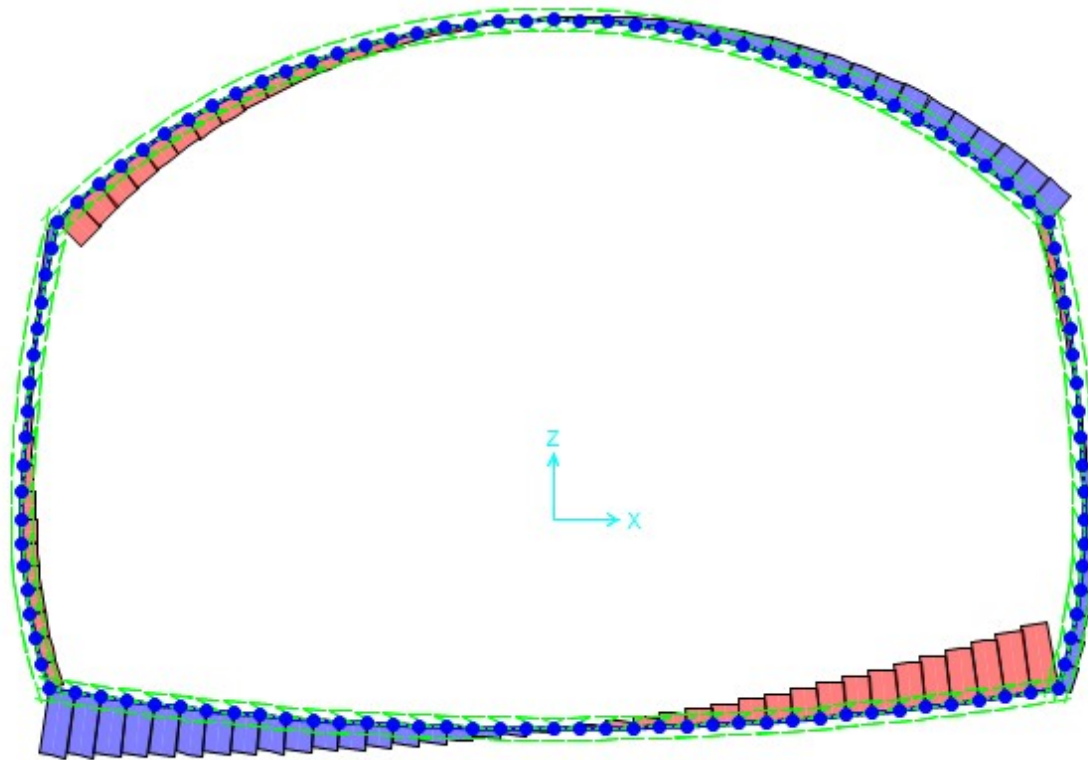


Figura 45: Sezione GA-C2-Imb - Andamento del taglio nella combinazione SLV.

## 8.7 Verifiche agli Stati Limite Ultimi

Tabella 11 riassume le armature previste nelle sezioni. Le armature indicate si riferiscono a 1.0 m di struttura.

		Sezione GA-C1	Sezione GA-C2-Imb
Armatura longitudinale	Calotta	Φ24/15 sia in intradosso che in estradosso	Φ24/10 sia in intradosso che in estradosso
	AR	Φ24/15 sia in intradosso che in estradosso	Φ26/10 sia in intradosso che in estradosso
Armatura trasversale	Calotta	-	-
	AR	Φ14/25 con due braccia nelle murette	Staffe Φ14/20 con due braccia fino ai primi 3.5m dell'AR a partire da entrambe le murette.

Tabella 11

Nel presente capitolo con il termine "Calotta" si intende tutta la parte di sezione sopra la ripresa di getto in corrispondenza del drenaggio.

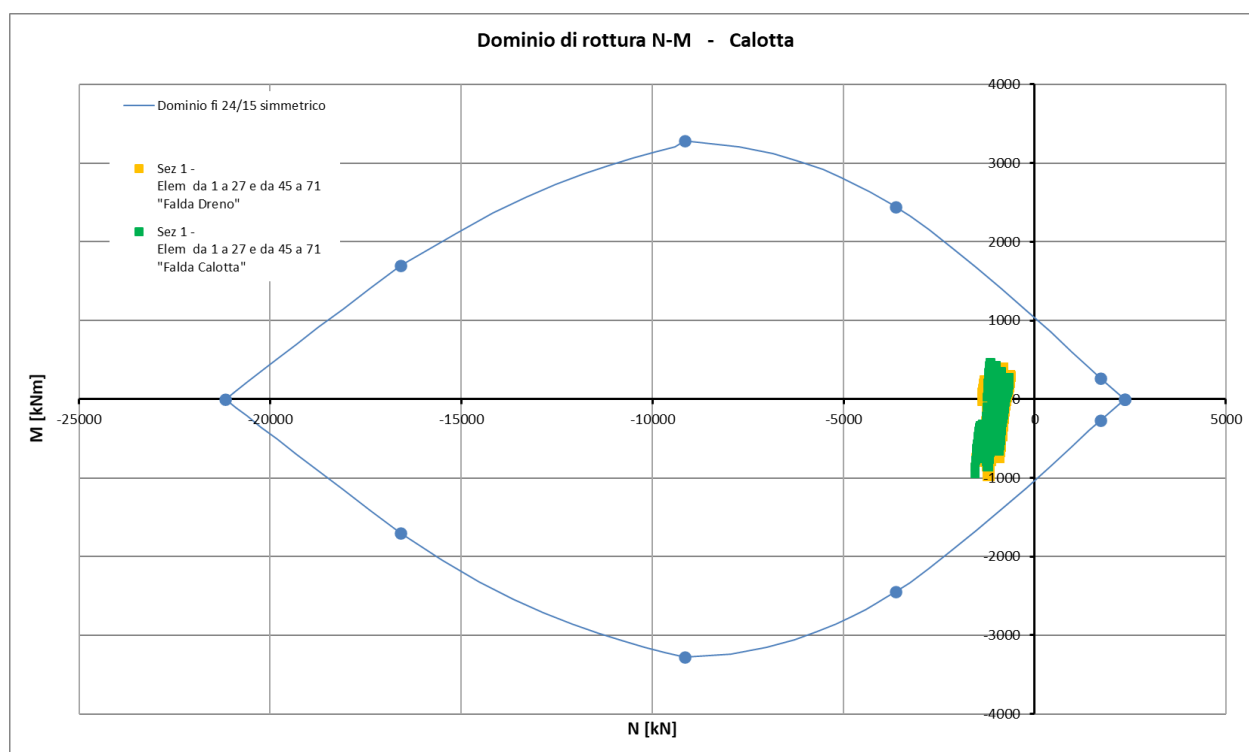
### 8.7.1 Sezione GA-C1

#### 8.7.1.1 Verifica per sollecitazioni di presso/tenso-flessione

Le verifiche agli stati limite di presso/tenso flessione vengono effettuate verificando che tutte le coppie M-N delle combinazioni SLU e sismiche, ricadano all'interno del dominio M-N limite ricavato in funzione dalla geometria della sezione e dalle armature.

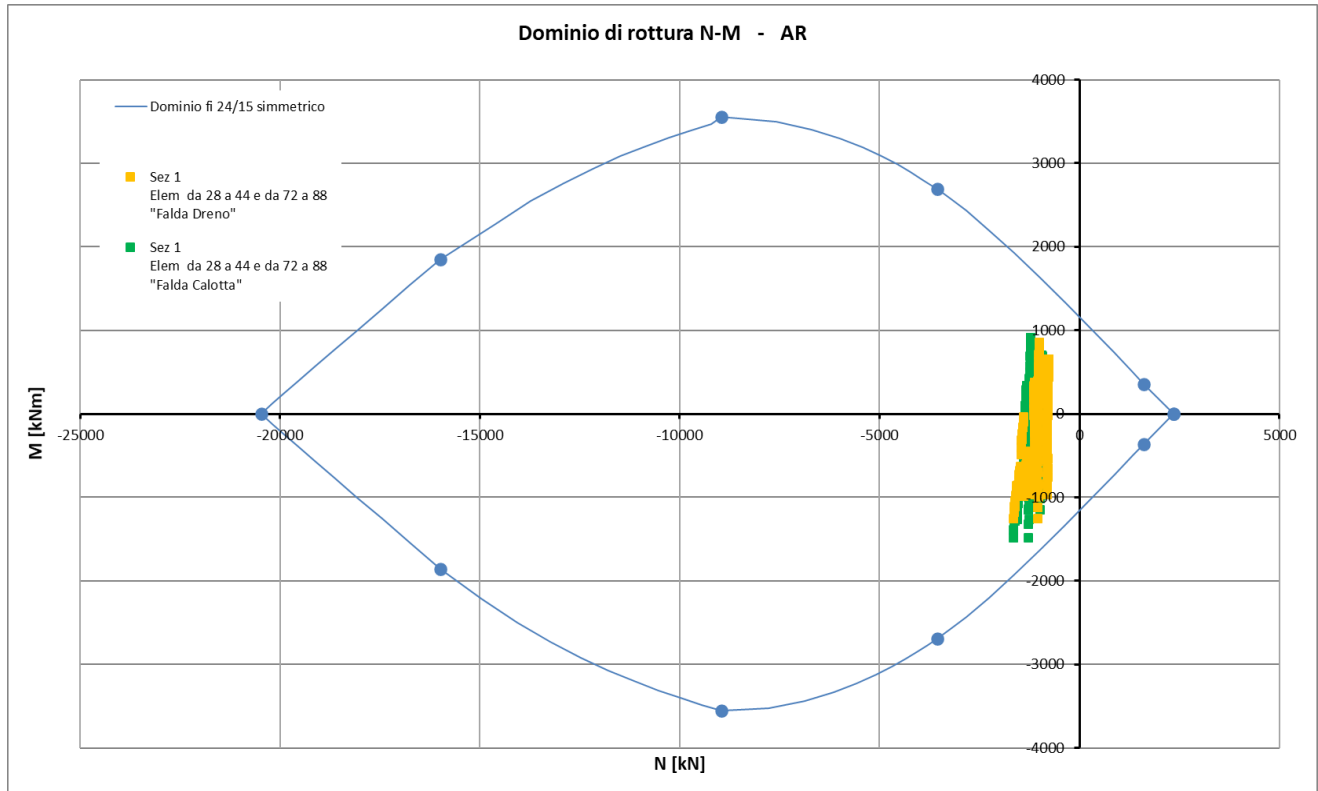
##### 8.7.1.1.1 Calotta

Nel seguito si riportano, la verifica di tutte le sezioni in calotta considerando la sezione di altezza minima pari a 100cm, la verifica viene rispettata con Φ24/15 sia in intradosso che in estradosso.



### 8.7.1.1.2 Arco rovescio

Nel seguito si riporta la verifica di tutte le sezioni in arco rovescio considerando la sezione di altezza minima pari a 110cm, la verifica viene rispettata con  $\Phi 24/15$  sia in intradosso che in estradosso.



### 8.7.1.2 Verifica per sollecitazioni di taglio

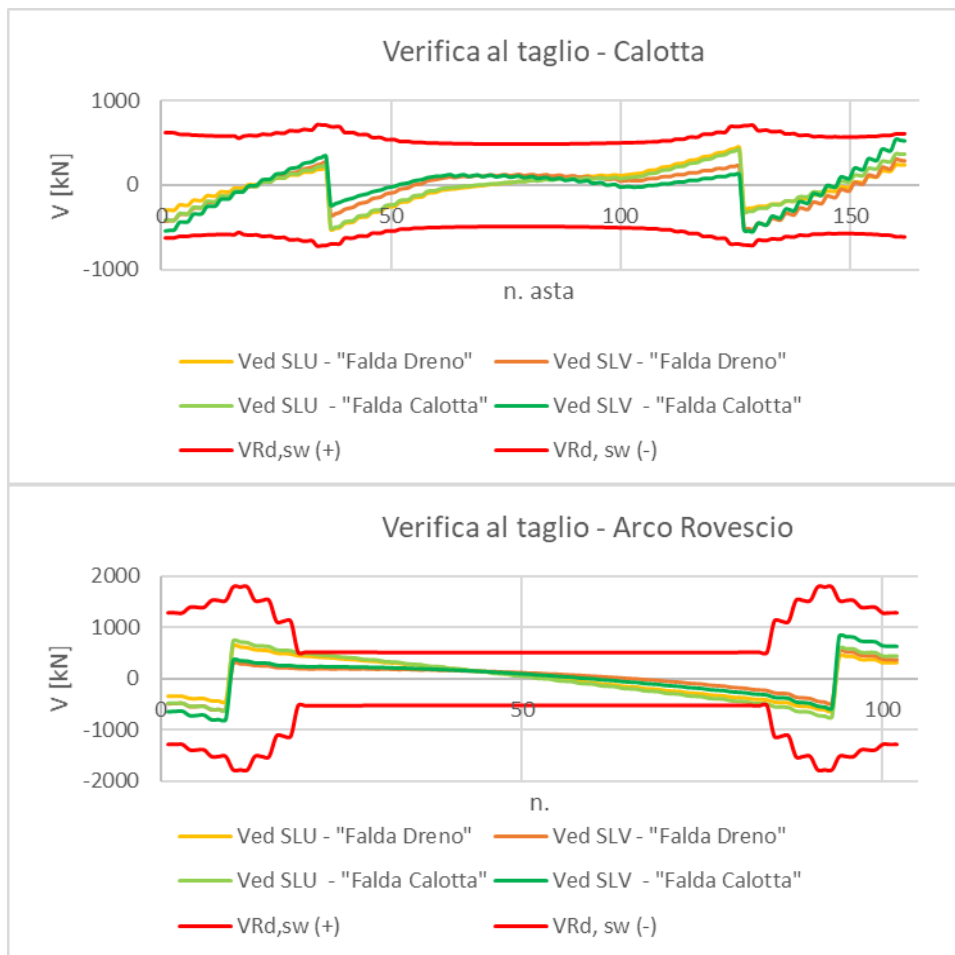
I grafici sottostanti mostrano l'andamento del taglio resistente e del taglio sollecitante lungo la calotta e l'arco rovescio nelle diverse combinazioni di carico (SLU e SLV) per i due scenari "Falda Dreno" e "Falda Calotta".

Il taglio resistente è stato calcolato per ogni sezione in accordo con la teoria illustrata al Par.6.2 considerando una sezione in cls con un'altezza funzione dell'elemento considerato e le armature longitudinali definite al paragrafo precedente.

Sull'asse delle ascisse è riportato un numero progressivo crescente che identifica:

- le aste della calotta che vanno dalla muretta sinistra alla muretta destra in senso orario;
- le aste dell'arco rovescio che vanno dalla muretta sinistra alla muretta destra in senso antiorario.

Le verifiche al taglio in calotta e in arco rovescio sono soddisfatte considerando il solo contributo delle armature longitudinali. Soltanto le murette richiedono un'armatura a taglio aggiuntiva equivalente a staffe  $\Phi 14/25$  con due braccia.



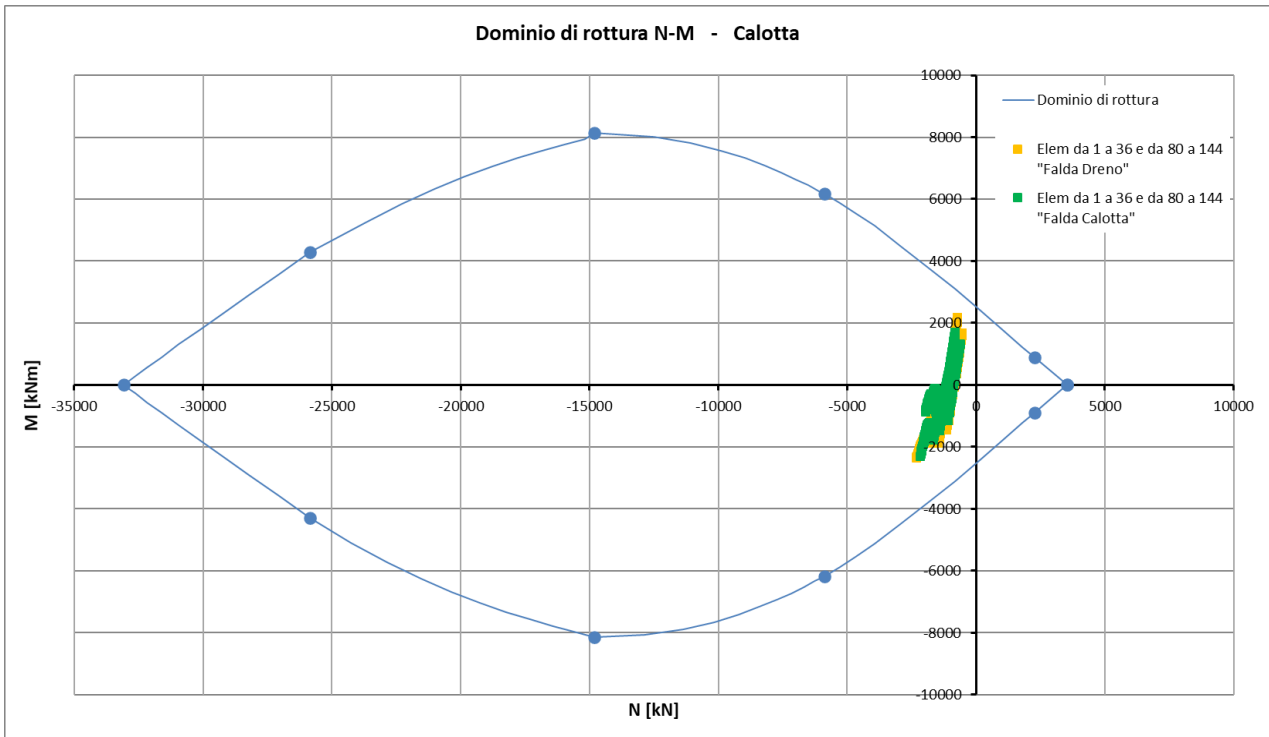
## 8.7.2 Sezione GA-C2-Imb

### 8.7.2.1 **Verifica per sollecitazioni di presso/tenso-flessione**

Le verifiche agli stati limite di presso/tenso flessione vengono effettuate verificando che tutte le coppie M-N delle combinazioni SLU e sismiche, ricadano all'interno del dominio M-N limite ricavato in funzione dalla geometria della sezione e dalle armature.

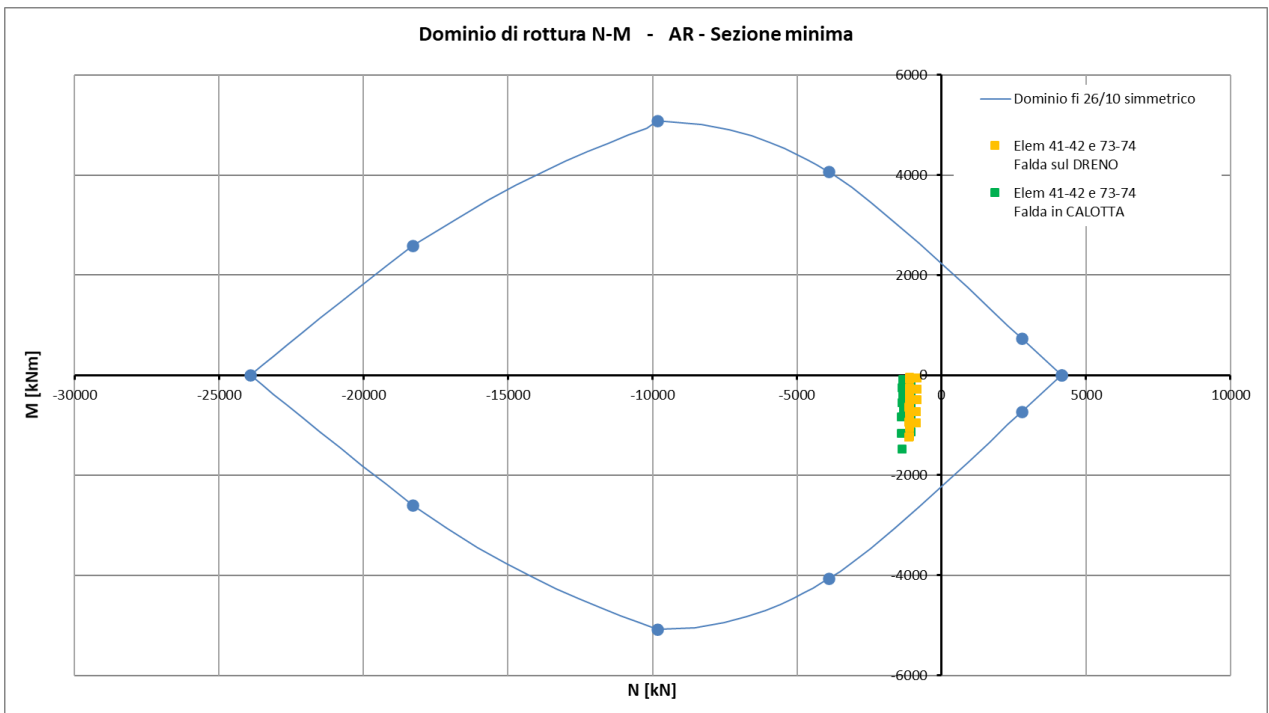
#### 8.7.2.1.1 **Calotta**

Nel seguito si riporta la verifica di tutte le sezioni in calotta considerando la sezione di altezza minima pari a 157cm, la verifica viene rispettata con  $\Phi 24/10$  sia in intradosso che in estradosso.

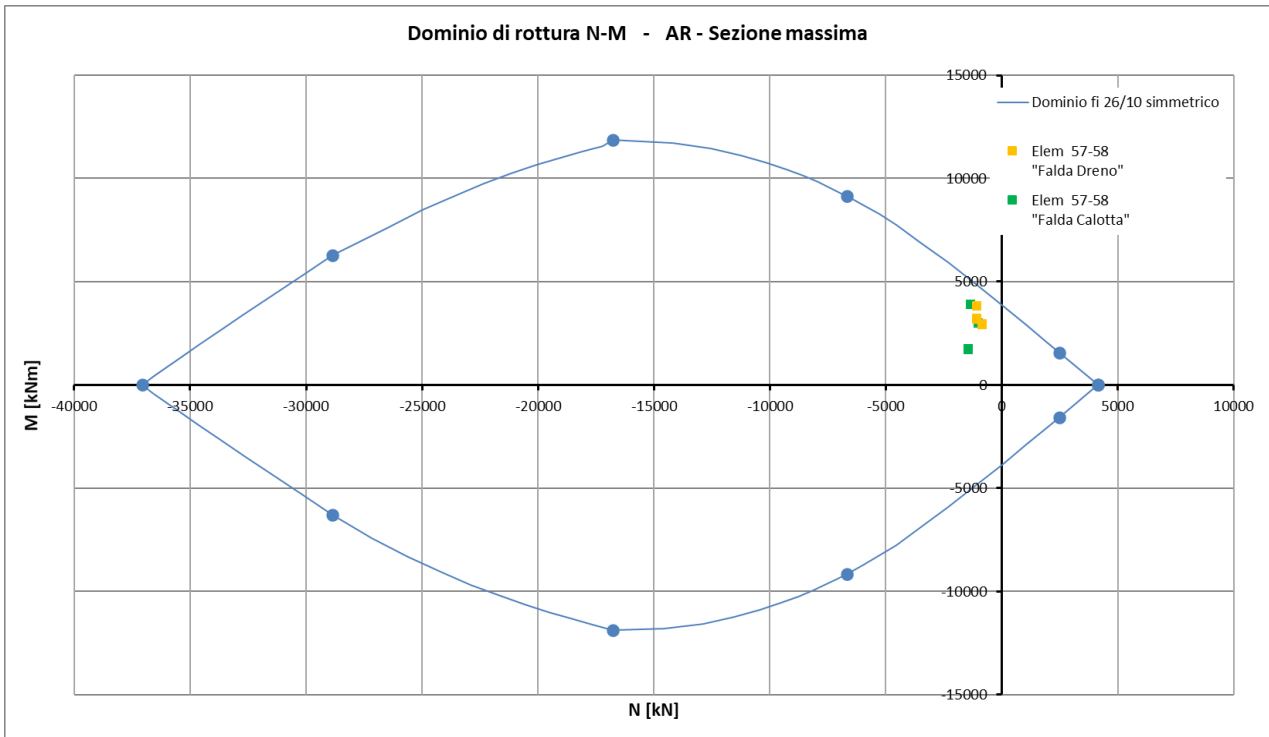


### 8.7.2.1.2 Arco rovescio

Nel seguito si riportano le verifiche delle sezioni aventi altezza minima in corrispondenza del passaggio tra arco rovescio e muretta (h=120cm) e delle sezioni con spessore massimo in mezzeria all'arco rovescio (h=200cm). Le verifiche risultano soddisfatte considerando un'armatura di  $\Phi 26/10$  sia in intradosso che in estradosso.



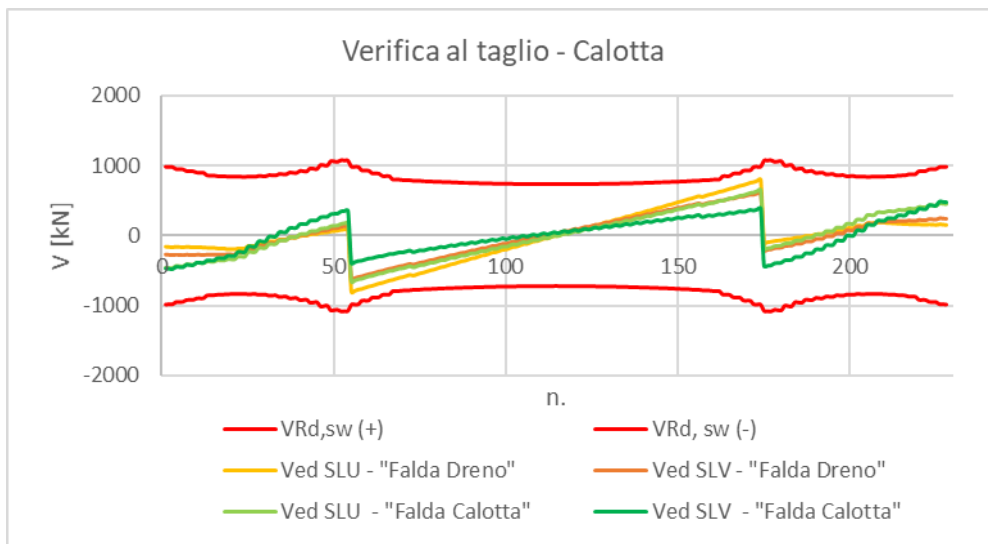


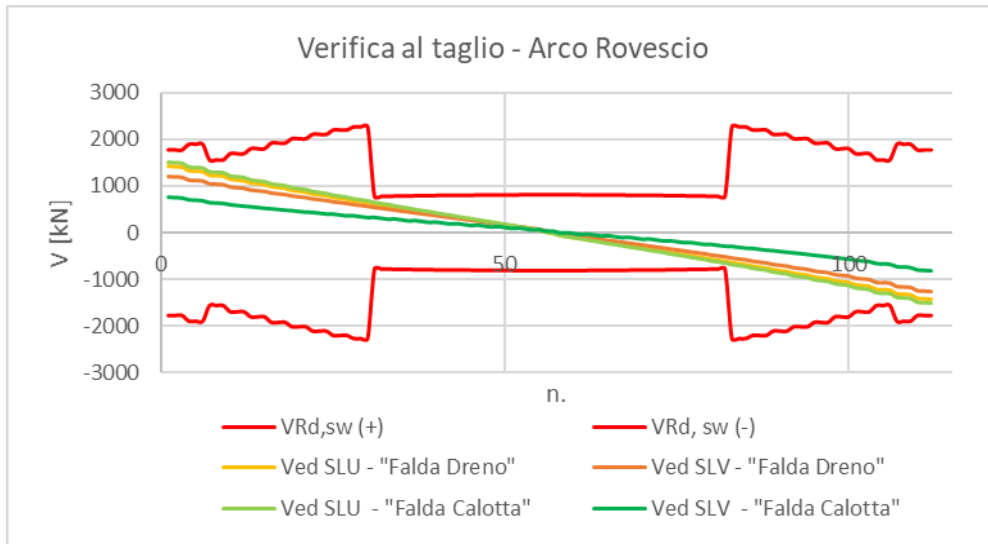


### 8.7.2.2 Verifica per sollecitazioni di taglio

Si riportano in seguito i grafici analoghi a quelli descritti nel Par. 8.7.1.2.

Le verifiche al taglio in calotta sono soddisfatte considerando il solo contributo delle armature longitudinali. Le verifiche al taglio nell'arco rovescio sono soddisfatte considerando, oltre all'armatura longitudinale, delle staffe  $\Phi 14/20$  con due braccia per i primi 3.5m a partire da entrambe le murette.





## 8.8 Verifiche agli stati limite di esercizio

Nei seguenti paragrafi sono riportati, per le diverse sezioni tipo, dei grafici che mostrano l'andamento delle tensioni massime nel calcestruzzo e nell'acciaio lungo la calotta e l'arco rovescio nella combinazione SLE per i due scenari "Falda Dreno" e "Falda Calotta".

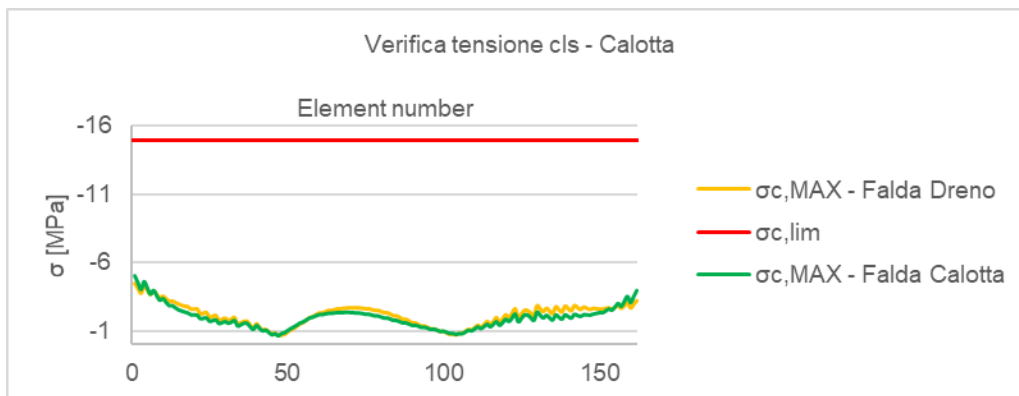
Le sollecitazioni sono state calcolate per ogni asta in funzione della geometria e quantità di armatura. Sull'asse delle ascisse è riportato un numero progressivo crescente che identifica:

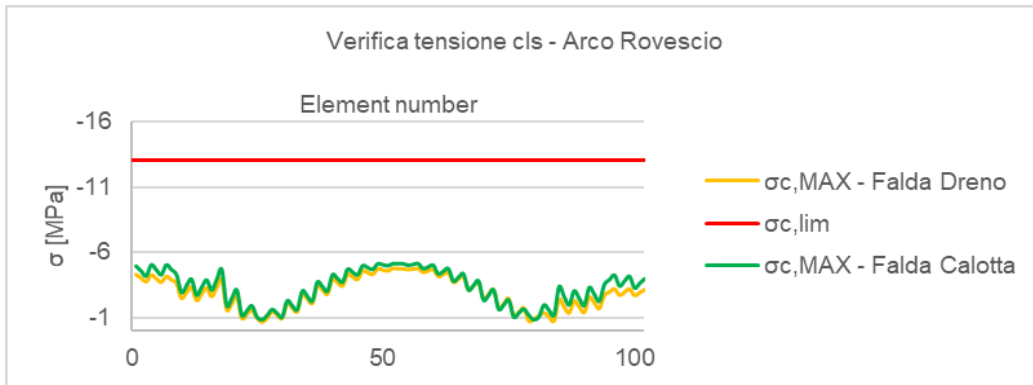
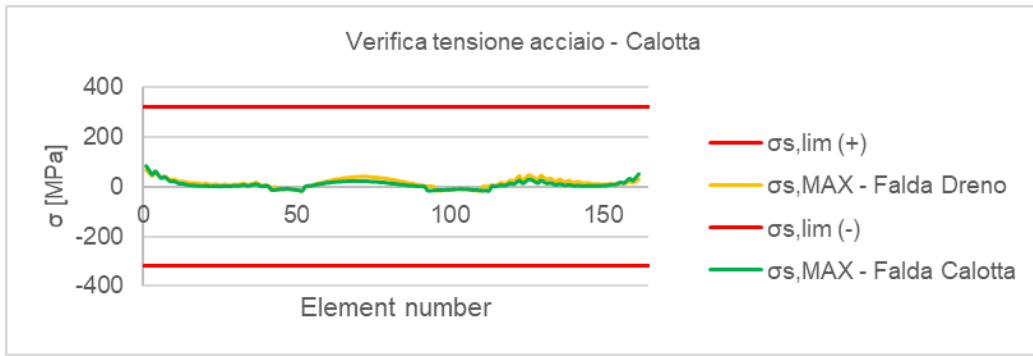
- le aste della calotta che vanno dalla muretta sinistra alla muretta destra in senso orario;
- le aste dell'arco rovescio che vanno dalla muretta sinistra alla muretta destra in senso antiorario.

Negli stessi grafici sono riportate le sollecitazioni massime ammesse da normativa come riportate nel Par. 6.3.

### 8.8.1 Sezione GA-C1

Le tensioni nel calcestruzzo e nell'acciaio sono inferiori ai valori previsti da normativa, dunque le verifiche sono soddisfatte.

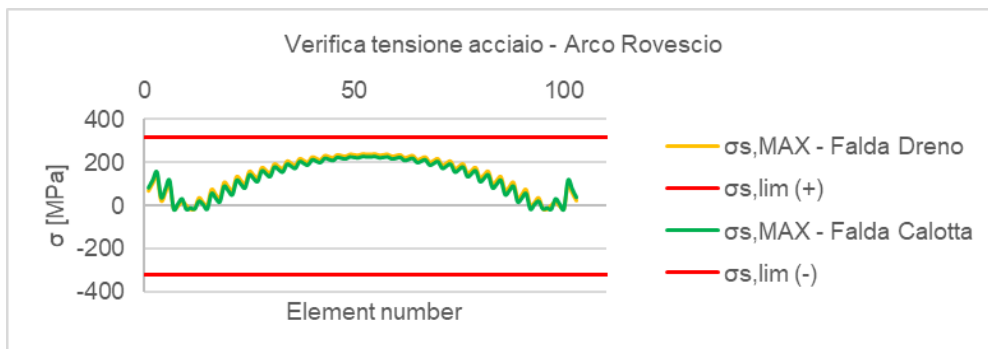
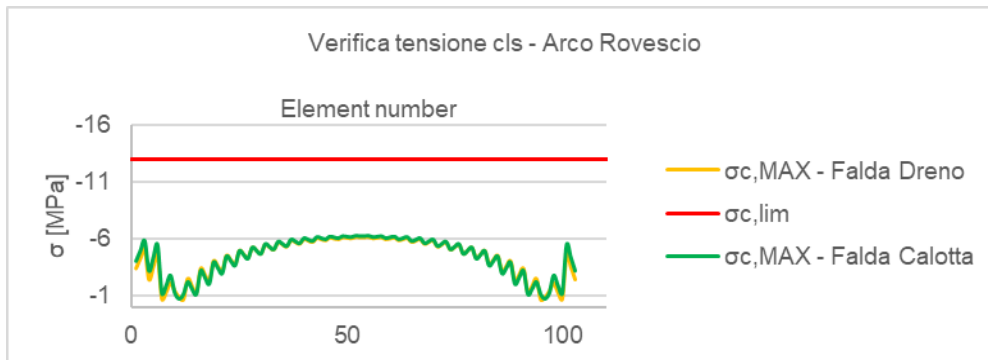
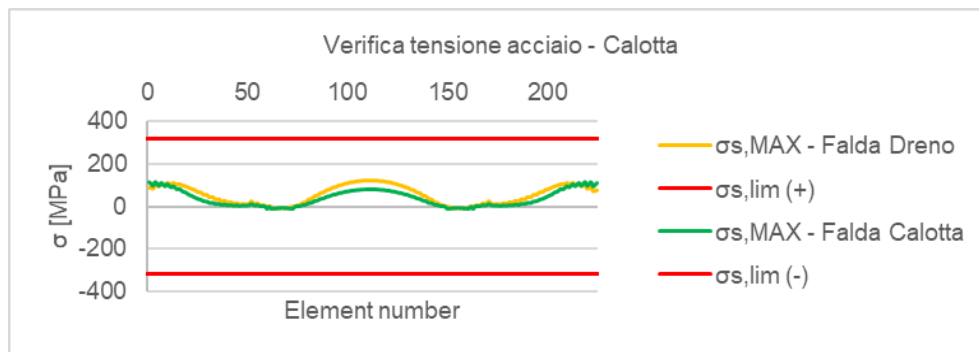
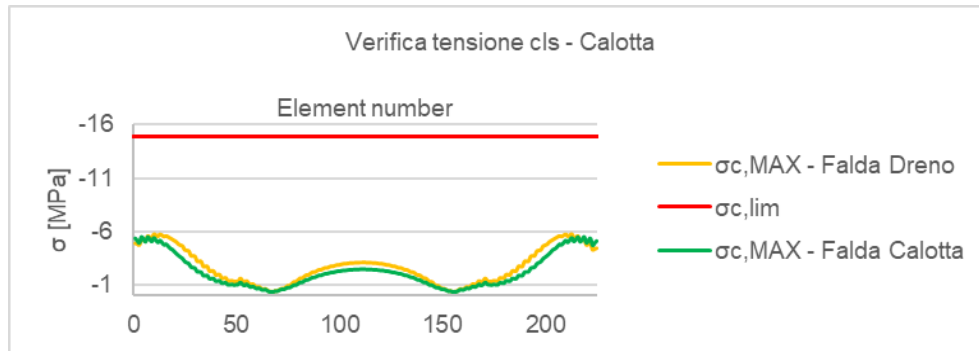




Dal confronto delle tensioni nell'acciaio dei grafici precedenti con le tabelle della normativa riportate nel Par. 6.3. che definiscono i diametri massimi e la spaziatura massima delle barre in funzione della tensione dell'acciaio per il controllo della fessurazione, si deduce che l'apertura delle fessure rientra nel limite di 0.2mm per la calotta e 0.3 per l'arco rovescio.

## Sezione GA-C2-Imb

Le tensioni nel calcestruzzo e nell'acciaio sono inferiori ai valori previsti da normativa dunque le verifiche sono soddisfatte.



## 8.9 Verifiche a fessurazione

Dal confronto delle tensioni nell'acciaio dei grafici al paragrafo precedente con le tabelle della normativa riportate nel Par. 6.3. che definiscono i diametri massimi e la spaziatura massima delle barre in funzione della tensione dell'acciaio per il controllo della fessurazione, si deduce che l'apertura delle fessure rientra nel limite di 0.2mm per la calotta e 0.3 per l'arco rovescio.

## ALLEGATO 1: REPORT DI CALCOLO SAP2000 – SEZIONE GA-C1



## **SAP2000 Analysis Report**

Prepared by  
**Pro Iter srl**

**Model Name: GA Bucciano\_GA-C1.sdb**

**10 maggio 2021**

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# 1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

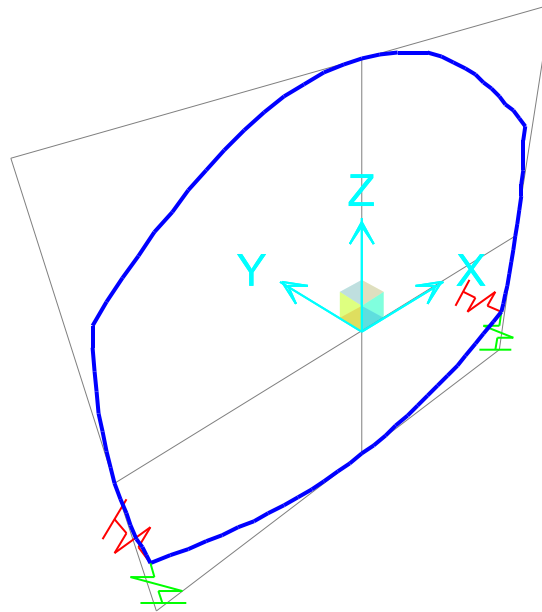


Figure 1: Finite element model

## 1.1. Joint coordinates

Table 1: Joint Coordinates

Table 1: Joint Coordinates					
Joint	CoordSys	CoordType	GlobalX m	GlobalY m	GlobalZ m
1	GLOBAL	Cartesian	2.370E-07	0.	6.6
2	GLOBAL	Cartesian	0.49322	0.	6.58155
3	GLOBAL	Cartesian	0.98368	0.	6.52628
4	GLOBAL	Cartesian	1.46864	0.	6.43452
5	GLOBAL	Cartesian	1.94538	0.	6.30678
6	GLOBAL	Cartesian	2.41125	0.	6.14377
7	GLOBAL	Cartesian	2.86363	0.	5.94639
8	GLOBAL	Cartesian	3.3	0.	5.71577
9	GLOBAL	Cartesian	3.68707	0.	5.48489
10	GLOBAL	Cartesian	4.0674	0.	5.2431
11	GLOBAL	Cartesian	4.44071	0.	4.99058
12	GLOBAL	Cartesian	4.80668	0.	4.72754
13	GLOBAL	Cartesian	5.16502	0.	4.4542
14	GLOBAL	Cartesian	5.51544	0.	4.17077
15	GLOBAL	Cartesian	5.85765	0.	3.87749
16	GLOBAL	Cartesian	6.19138	0.	3.57459
17	GLOBAL	Cartesian	6.28683	0.	3.13413
18	GLOBAL	Cartesian	6.36972	0.	2.69112
19	GLOBAL	Cartesian	6.43996	0.	2.24594
20	GLOBAL	Cartesian	6.49751	0.	1.79894
21	GLOBAL	Cartesian	6.54232	0.	1.35048
22	GLOBAL	Cartesian	6.57436	0.	0.90093
23	GLOBAL	Cartesian	6.59359	0.	0.45065
24	GLOBAL	Cartesian	6.6	0.	0.

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	GlobalX m	GlobalY m	GlobalZ m
25	GLOBAL	Cartesian	6.59487	0.	-0.44131
26	GLOBAL	Cartesian	6.57948	0.	-0.88238
27	GLOBAL	Cartesian	6.55385	0.	-1.32297
28	GLOBAL	Cartesian	6.518	0.	-1.76254
29	GLOBAL	Cartesian	6.48463	0.	-2.08975
30	GLOBAL	Cartesian	6.4456	0.	-2.41633
31	GLOBAL	Cartesian	6.40091	0.	-2.74218
32	GLOBAL	Cartesian	5.96598	0.	-2.93544
33	GLOBAL	Cartesian	5.53105	0.	-3.1287
34	GLOBAL	Cartesian	5.09612	0.	-3.32196
35	GLOBAL	Cartesian	4.65658	0.	-3.50735
36	GLOBAL	Cartesian	4.21032	0.	-3.6759
37	GLOBAL	Cartesian	3.75797	0.	-3.82737
38	GLOBAL	Cartesian	3.30019	0.	-3.96153
39	GLOBAL	Cartesian	2.83764	0.	-4.07821
40	GLOBAL	Cartesian	2.37099	0.	-4.17722
41	GLOBAL	Cartesian	1.90092	0.	-4.25842
42	GLOBAL	Cartesian	1.4281	0.	-4.3217
43	GLOBAL	Cartesian	0.95321	0.	-4.36697
44	GLOBAL	Cartesian	0.47695	0.	-4.39415
45	GLOBAL	Cartesian	3.093E-09	0.	-4.40322
46	GLOBAL	Cartesian	-0.49322	0.	6.58155
47	GLOBAL	Cartesian	-0.98368	0.	6.52628
48	GLOBAL	Cartesian	-1.46864	0.	6.43452
49	GLOBAL	Cartesian	-1.94538	0.	6.30678
50	GLOBAL	Cartesian	-2.41125	0.	6.14377
51	GLOBAL	Cartesian	-2.86363	0.	5.94639
52	GLOBAL	Cartesian	-3.3	0.	5.71577
53	GLOBAL	Cartesian	-3.68707	0.	5.48489
54	GLOBAL	Cartesian	-4.0674	0.	5.2431
55	GLOBAL	Cartesian	-4.44071	0.	4.99058
56	GLOBAL	Cartesian	-4.80668	0.	4.72754
57	GLOBAL	Cartesian	-5.16502	0.	4.4542
58	GLOBAL	Cartesian	-5.51544	0.	4.17077
59	GLOBAL	Cartesian	-5.85765	0.	3.87749
60	GLOBAL	Cartesian	-6.19138	0.	3.57459
61	GLOBAL	Cartesian	-6.28683	0.	3.13413
62	GLOBAL	Cartesian	-6.36972	0.	2.69112
63	GLOBAL	Cartesian	-6.43996	0.	2.24594
64	GLOBAL	Cartesian	-6.49751	0.	1.79894
65	GLOBAL	Cartesian	-6.54232	0.	1.35048
66	GLOBAL	Cartesian	-6.57436	0.	0.90093
67	GLOBAL	Cartesian	-6.59359	0.	0.45065
68	GLOBAL	Cartesian	-6.6	0.	-5.329E-09
69	GLOBAL	Cartesian	-6.59487	0.	-0.44131
70	GLOBAL	Cartesian	-6.57948	0.	-0.88238
71	GLOBAL	Cartesian	-6.55385	0.	-1.32297
72	GLOBAL	Cartesian	-6.518	0.	-1.76254
73	GLOBAL	Cartesian	-6.48463	0.	-2.08975
74	GLOBAL	Cartesian	-6.4456	0.	-2.41633
75	GLOBAL	Cartesian	-6.40091	0.	-2.74218
76	GLOBAL	Cartesian	-5.96598	0.	-2.93544
77	GLOBAL	Cartesian	-5.53105	0.	-3.1287
78	GLOBAL	Cartesian	-5.09612	0.	-3.32196
79	GLOBAL	Cartesian	-4.65658	0.	-3.50735
80	GLOBAL	Cartesian	-4.21032	0.	-3.6759
81	GLOBAL	Cartesian	-3.75797	0.	-3.82737
82	GLOBAL	Cartesian	-3.30019	0.	-3.96153
83	GLOBAL	Cartesian	-2.83764	0.	-4.07821

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	GlobalX m	GlobalY m	GlobalZ m
84	GLOBAL	Cartesian	-2.37099	0.	-4.17722
85	GLOBAL	Cartesian	-1.90092	0.	-4.25842
86	GLOBAL	Cartesian	-1.4281	0.	-4.3217
87	GLOBAL	Cartesian	-0.95321	0.	-4.36697
88	GLOBAL	Cartesian	-0.47695	0.	-4.39415

## 1.2. Element connectivity

**Table 2: Connectivity - Frame**

Table 2: Connectivity - Frame

Frame	JointI	JointJ	Length m
1	1	2	0.49356
2	2	3	0.49356
3	3	4	0.49356
4	4	5	0.49356
5	5	6	0.49356
6	6	7	0.49356
7	7	8	0.49356
8	8	9	0.45069
9	9	10	0.45069
10	10	11	0.45069
11	11	12	0.45069
12	12	13	0.45069
13	13	14	0.45069
14	14	15	0.45069
15	15	16	0.45069
16	16	17	0.45069
17	17	18	0.45069
18	18	19	0.45069
19	19	20	0.45069
20	20	21	0.45069
21	21	22	0.45069
22	22	23	0.45069
23	23	24	0.45069
24	24	25	0.44134
25	25	26	0.44134
26	26	27	0.44134
27	27	28	0.44103
28	28	29	0.3289
29	29	30	0.3289
30	30	31	0.3289
31	31	32	0.47593
32	32	33	0.47593
33	33	34	0.47593
34	34	35	0.47704
35	35	36	0.47704
36	36	37	0.47704
37	37	38	0.47704
38	38	39	0.47704
39	39	40	0.47704
40	40	41	0.47704
41	41	42	0.47704
42	42	43	0.47704

**Table 2: Connectivity - Frame**

Frame	JointI	JointJ	Length m
43	43	44	0.47704
44	44	45	0.47704
45	46	1	0.49356
46	47	46	0.49356
47	48	47	0.49356
48	49	48	0.49356
49	50	49	0.49356
50	51	50	0.49356
51	52	51	0.49356
52	53	52	0.45069
53	54	53	0.45069
54	55	54	0.45069
55	56	55	0.45069
56	57	56	0.45069
57	58	57	0.45069
58	59	58	0.45069
59	60	59	0.45069
60	61	60	0.45069
61	62	61	0.45069
62	63	62	0.45069
63	64	63	0.45069
64	65	64	0.45069
65	66	65	0.45069
66	67	66	0.45069
67	68	67	0.45069
68	69	68	0.44134
69	70	69	0.44134
70	71	70	0.44134
71	72	71	0.44103
72	73	72	0.3289
73	74	73	0.3289
74	75	74	0.3289
75	76	75	0.47593
76	77	76	0.47593
77	78	77	0.47593
78	79	78	0.47704
79	80	79	0.47704
80	81	80	0.47704
81	82	81	0.47704
82	83	82	0.47704
83	84	83	0.47704
84	85	84	0.47704
85	86	85	0.47704
86	87	86	0.47704
87	88	87	0.47704
88	45	88	0.47704

**Table 3: Frame Section Assignments**

**Table 3: Frame Section Assignments**

Frame	AnalSect	DesignSect	MatProp
1	C100	C100	Default
2	C100	C100	Default
3	C100	C100	Default
4	C100	C100	Default
5	C100	C100	Default

**Table 3: Frame Section Assignments**

Frame	AnalSect	DesignSect	MatProp
6	C100	C100	Default
7	C100	C100	Default
8	C100	C100	Default
9	C102	C102	Default
10	C106	C106	Default
11	C115	C115	Default
12	C126	C126	Default
13	C140	C140	Default
14	C158	C158	Default
15	C179	C179	Default
16	C179	C179	Default
17	C158	C158	Default
18	C140	C140	Default
19	C126	C126	Default
20	C115	C115	Default
21	C106	C106	Default
22	C102	C102	Default
23	C100	C100	Default
24	C100	C100	Default
25	C102	C102	Default
26	C106	C106	Default
27	C114	C114	Default
28	C125	C125	Default
29	C135	C135	Default
30	C147	C147	Default
31	C171	C171	Default
32	C147	C147	Default
33	C110	C110	Default
34	C110	C110	Default
35	C110	C110	Default
36	C110	C110	Default
37	C110	C110	Default
38	C110	C110	Default
39	C110	C110	Default
40	C110	C110	Default
41	C110	C110	Default
42	C110	C110	Default
43	C110	C110	Default
44	C110	C110	Default
45	C100	C100	Default
46	C100	C100	Default
47	C100	C100	Default
48	C100	C100	Default
49	C100	C100	Default
50	C100	C100	Default
51	C100	C100	Default
52	C100	C100	Default
53	C102	C102	Default
54	C106	C106	Default
55	C115	C115	Default
56	C126	C126	Default
57	C140	C140	Default
58	C158	C158	Default
59	C179	C179	Default
60	C179	C179	Default
61	C158	C158	Default
62	C140	C140	Default
63	C126	C126	Default
64	C115	C115	Default

**Table 3: Frame Section Assignments**

Frame	AnalSect	DesignSect	MatProp
65	C106	C106	Default
66	C102	C102	Default
67	C100	C100	Default
68	C100	C100	Default
69	C102	C102	Default
70	C106	C106	Default
71	C114	C114	Default
72	C125	C125	Default
73	C135	C135	Default
74	C147	C147	Default
75	C171	C171	Default
76	C147	C147	Default
77	C110	C110	Default
78	C110	C110	Default
79	C110	C110	Default
80	C110	C110	Default
81	C110	C110	Default
82	C110	C110	Default
83	C110	C110	Default
84	C110	C110	Default
85	C110	C110	Default
86	C110	C110	Default
87	C110	C110	Default
88	C110	C110	Default

## 2. Material properties

This section provides material property information for materials used in the model.

**Table 4: Material Properties 02 - Basic Mechanical Properties**

**Table 4: Material Properties 02 - Basic Mechanical Properties**

Material	UnitWeight KN/m3	UnitMass KN-s2/m4	E1 KN/m2	G12 KN/m2	U12	A1 1/C
4000Psi	2.3563E+01	2.4028E+00	24855578. 06	10356490. 86	0.2	9.9000E-06
A416Gr270	7.6973E+01	7.8490E+00	196500599. .9			1.1700E-05
A615Gr60	7.6973E+01	7.8490E+00	199947978. .8			1.1700E-05
A992Fy50	7.6973E+01	7.8490E+00	199947978. .8	76903068. 77	0.3	1.1700E-05
C32/40	2.4993E+01	2.5485E+00	33346000.	13894166. 67	0.2	1.0000E-05

**Table 5: Material Properties 03a - Steel Data**

**Table 5: Material Properties 03a - Steel Data**

Material	Fy KN/m2	Fu KN/m2	FinalSlope
A992Fy50	344737.89	448159.26	-0.1

**Table 6: Material Properties 03b - Concrete Data**

Table 6: Material Properties 03b - Concrete Data

Material	Fc KN/m2	eFc KN/m2	FinalSlope
4000Psi	27579.03	27579.03	-0.1
C32/40	32000.	32000.	-0.1

**Table 7: Material Properties 03e - Rebar Data**

Table 7: Material Properties 03e - Rebar Data

Material	Fy KN/m2	Fu KN/m2	FinalSlope
A615Gr60	413685.47	620528.21	-0.1

**Table 8: Material Properties 03f - Tendon Data**

Table 8: Material Properties 03f - Tendon Data

Material	Fy KN/m2	Fu KN/m2	FinalSlope
A416Gr270	1689905.16	1861584.63	-0.1

## 3. Section properties

This section provides section property information for objects used in the model.

### 3.1. Frames

**Table 9: Frame Section Properties 01 - General, Part 1 of 4**

Table 9: Frame Section Properties 01 - General, Part 1 of 4

SectionName	Material	Shape	t3 m	t2 m	tf m	tw m	t2b m	tfb m
C100	C32/40	Rectangular	1.	1.				
C102	C32/40	Rectangular	1.02	1.				
C106	C32/40	Rectangular	1.06	1.				
C110	C32/40	Rectangular	1.1	1.				
C114	C32/40	Rectangular	1.14	1.				
C115	C32/40	Rectangular	1.15	1.				
C125	C32/40	Rectangular	1.25	1.				
C126	C32/40	Rectangular	1.26	1.				
C135	C32/40	Rectangular	1.35	1.				
C140	C32/40	Rectangular	1.4	1.				
C147	C32/40	Rectangular	1.47	1.				
C158	C32/40	Rectangular	1.58	1.				
C171	C32/40	Rectangular	1.71	1.				
C179	C32/40	Rectangular	1.79	1.				
W18X35	A992Fy50	I/Wide Flange	0.44958	0.1524	0.010795	0.00762	0.1524	0.010795

**Table 9: Frame Section Properties 01 - General, Part 2 of 4**

Table 9: Frame Section Properties 01 - General, Part 2 of 4

SectionName	Area m2	TorsConst m4	I33 m4	I22 m4	I23 m4	AS2 m2	AS3 m2
C100	1.	0.140833	0.083333	0.083333	0.	0.833333	0.833333
C102	1.02	0.146167	0.088434	0.085	0.	0.85	0.85
C106	1.06	0.157195	0.099251	0.088333	0.	0.883333	0.883333
C110	1.1	0.168619	0.110917	0.091667	0.	0.916667	0.916667
C114	1.14	0.180361	0.123462	0.095	0.	0.95	0.95
C115	1.15	0.183339	0.12674	0.095833	0.	0.958333	0.958333
C125	1.25	0.213835	0.16276	0.104167	0.	1.041667	1.041667
C126	1.26	0.216943	0.166698	0.105	0.	1.05	1.05
C135	1.35	0.245269	0.205031	0.1125	0.	1.125	1.125
C140	1.4	0.261222	0.228667	0.116667	0.	1.166667	1.166667
C147	1.47	0.283748	0.26471	0.1225	0.	1.225	1.225
C158	1.58	0.319475	0.328693	0.131667	0.	1.316667	1.316667
C171	1.71	0.362047	0.416684	0.1425	0.	1.425	1.425
C179	1.79	0.388371	0.477945	0.149167	0.	1.491667	1.491667
W18X35	0.006645	2.106E-07	0.000212	6.368E-06	0.	0.003426	0.002742

**Table 9: Frame Section Properties 01 - General, Part 3 of 4**

Table 9: Frame Section Properties 01 - General, Part 3 of 4

SectionName	S33 m3	S22 m3	Z33 m3	Z22 m3	R33 m	R22 m
C100	0.166667	0.166667	0.25	0.25	0.288675	0.288675
C102	0.1734	0.17	0.2601	0.255	0.294449	0.288675
C106	0.187267	0.176667	0.2809	0.265	0.305996	0.288675
C110	0.201667	0.183333	0.3025	0.275	0.317543	0.288675
C114	0.2166	0.19	0.3249	0.285	0.32909	0.288675
C115	0.220417	0.191667	0.330625	0.2875	0.331976	0.288675
C125	0.260417	0.208333	0.390625	0.3125	0.360844	0.288675
C126	0.2646	0.21	0.3969	0.315	0.363731	0.288675
C135	0.30375	0.225	0.455625	0.3375	0.389711	0.288675
C140	0.326667	0.233333	0.49	0.35	0.404145	0.288675
C147	0.36015	0.245	0.540225	0.3675	0.424352	0.288675
C158	0.416067	0.263333	0.6241	0.395	0.456107	0.288675
C171	0.48735	0.285	0.731025	0.4275	0.493634	0.288675
C179	0.534017	0.298333	0.801025	0.4475	0.516728	0.288675
W18X35	0.000944	0.000084	0.00109	0.000132	0.178731	0.030957

**Table 9: Frame Section Properties 01 - General, Part 4 of 4**

Table 9: Frame Section Properties 01 - General, Part 4 of 4

SectionName	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod	MMod	WMod
C100	1.	1.	1.	1.	1.	1.	1.	1.
C102	1.	1.	1.	1.	1.	1.	1.	1.
C106	1.	1.	1.	1.	1.	1.	1.	1.
C110	1.	1.	1.	1.	1.	1.	1.	1.
C114	1.	1.	1.	1.	1.	1.	1.	1.
C115	1.	1.	1.	1.	1.	1.	1.	1.
C125	1.	1.	1.	1.	1.	1.	1.	1.
C126	1.	1.	1.	1.	1.	1.	1.	1.
C135	1.	1.	1.	1.	1.	1.	1.	1.
C140	1.	1.	1.	1.	1.	1.	1.	1.
C147	1.	1.	1.	1.	1.	1.	1.	1.
C158	1.	1.	1.	1.	1.	1.	1.	1.
C171	1.	1.	1.	1.	1.	1.	1.	1.



**Table 9: Frame Section Properties 01 - General, Part 4 of 4**

SectionName	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod	MMod	WMod
C179	1.	1.	1.	1.	1.	1.	1.	1.
W18X35	1.	1.	1.	1.	1.	1.	1.	1.

**Table 10: Frame Section Properties 02 - Concrete Column, Part 1 of 2**

**Table 10: Frame Section Properties 02 - Concrete Column, Part 1 of 2**

SectionName	RebarMatL	RebarMatC	ReinfConfig	LatReinf	Cover m	NumBars3D ir	NumBars2D ir
C100	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C102	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C106	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C110	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C114	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C115	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C125	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C126	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C135	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C140	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C147	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C158	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C171	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C179	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3

**Table 10: Frame Section Properties 02 - Concrete Column, Part 2 of 2**

**Table 10: Frame Section Properties 02 - Concrete Column, Part 2 of 2**

SectionName	BarSizeL	BarSizeC	SpacingC m	NumCBars2	NumCBars3
C100	#9	#4	0.15	3	3
C102	#9	#4	0.15	3	3
C106	#9	#4	0.15	3	3
C110	#9	#4	0.15	3	3
C114	#9	#4	0.15	3	3
C115	#9	#4	0.15	3	3
C125	#9	#4	0.15	3	3
C126	#9	#4	0.15	3	3
C135	#9	#4	0.15	3	3
C140	#9	#4	0.15	3	3
C147	#9	#4	0.15	3	3
C158	#9	#4	0.15	3	3
C171	#9	#4	0.15	3	3
C179	#9	#4	0.15	3	3

## 4. Load patterns

This section provides loading information as applied to the model.

### 4.1. Definitions

**Table 13: Load Pattern Definitions**

Table 13: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad
DEAD	Dead	1.	
PP	Dead	0.	
Pv	Dead	0.	
Ph_sx	Dead	0.	
Ph_dx	Dead	0.	
In_H_cls	Dead	0.	
Ph_sx(Ucalotta)	Dead	0.	
Ph_dx(Ucalotta)	Dead	0.	
Ph_sx(Udreno)	Dead	0.	
Ph_dx(Udreno)	Dead	0.	
Uv_calotta_d	Dead	0.	
Uh_sx_calotta	Dead	0.	
Uh_dx_calotta	Dead	0.	
Uv_dreno	Dead	0.	
Uh_sx_dreno	Dead	0.	
Uh_dx_dreno	Dead	0.	
Pv(Udreno)	Dead	0.	
Pv(Ucalotta)	Dead	0.	
Uv_calotta_u	Dead	0.	

## 5. Load cases

This section provides load case information.

### 5.1. Definitions

**Table 14: Load Case Definitions, Part 1 of 2**

Table 14: Load Case Definitions, Part 1 of 2

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesActOpt
SLE	NonStatic	Zero				Prog Det
SLU	NonStatic	Zero				Prog Det
SLV	NonStatic	Zero				Prog Det
SLE-DRENO	NonStatic	Zero				Prog Det
SLU-DRENO	NonStatic	Zero				Prog Det
SLV-DRENO	NonStatic	Zero				Prog Det
SLE-CALOTTA	NonStatic	Zero				Prog Det
SLU-CALOTTA	NonStatic	Zero				Prog Det
SLV-CALOTTA	NonStatic	Zero				Prog Det
DEAD	LinStatic	Zero				Prog Det
MODAL	LinModal	Zero				Prog Det
PP	NonStatic	Zero				Prog Det
Pv	LinStatic	Zero				Prog Det
Ph_sx	LinStatic	Zero				Prog Det
Ph_dx	LinStatic	Zero				Prog Det
In_H_cls	LinStatic	Zero				Prog Det
Ph_sx(Ucalotta)	LinStatic	Zero				Prog Det
Ph_dx(Ucalotta)	LinStatic	Zero				Prog Det
Ph_dx(Udreno)	LinStatic	Zero				Prog Det
Ph_sx(Udreno)	LinStatic	Zero				Prog Det
Uv_calotta	LinStatic	Zero				Prog Det
Uh_calotta	LinStatic	Zero				Prog Det

Table 14: Load Case Definitions, Part 1 of 2

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesActOpt
Uh_dreno	LinStatic	Zero				Prog Det
Uv_dreno	LinStatic	Zero				Prog Det
Pv(Udreno)	LinStatic	Zero				Prog Det
Pv(Ucalotta)	LinStatic	Zero				Prog Det
Uh_dx_dreno	LinStatic	Zero				Prog Det
Uh_dx_calotta	LinStatic	Zero				Prog Det
Uv_calotta_u	LinStatic	Zero				Prog Det
Acqua calotta	NonStatic	Zero				Prog Det
Acqua dreno	NonStatic	Zero				Prog Det
Terre_calotta	NonStatic	Zero				Prog Det
Terre_dreno	NonStatic	Zero				Prog Det
SLE_CAL-terre+ acqua	NonStatic	Zero				Prog Det
SLE-DR_acqua +terre	NonStatic	Zero				Prog Det

Table 14: Load Case Definitions, Part 2 of 2

Table 14: Load Case  
Definitions, Part 2 of 2

Case	DesignAct
SLE	Non-Composite
SLU	Non-Composite
SLV	Non-Composite
SLE-DRENO	Non-Composite
SLU-DRENO	Non-Composite
SLV-DRENO	Non-Composite
SLE-CALOTTA	Non-Composite
SLU-CALOTTA	Non-Composite
SLV-CALOTTA	Non-Composite
DEAD	Non-Composite
MODAL	Other
PP	Non-Composite
Pv	Non-Composite
Ph_sx	Non-Composite
Ph_dx	Non-Composite
In_H_cls	Non-Composite
Ph_sx(Ucalotta)	Non-Composite
Ph_dx(Ucalotta)	Non-Composite
Ph_dx(Udreno)	Non-Composite
Ph_sx(Udreno)	Non-Composite

**Table 14: Load Case Definitions, Part 2 of 2**

Case	DesignAct
Uv_calotta	Non-Composite
Uh_calotta	Non-Composite
Uh_dreno	Non-Composite
Uv_dreno	Non-Composite
Pv(Udreno)	Non-Composite
Pv(Ucalotta)	Non-Composite
Uh_dx_dreno	Non-Composite
Uh_dx_calotta	Non-Composite
Uv_calotta_u	Non-Composite
Acqua calotta	Non-Composite
Acqua dreno	Non-Composite
Terre_calotta	Non-Composite
Terre_dreno	Non-Composite
SLE_CAL-terre+acqua	Non-Composite
SLE-DR_acqua+terre	Non-Composite

## 5.2. Static case load assignments

**Table 15: Case - Static 1 - Load Assignments**

Table 15: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
SLE	Load pattern	PP	1.
SLE	Load pattern	Pv	1.
SLE	Load pattern	Ph_dx	1.
SLE	Load pattern	Ph_sx	1.
SLU	Load pattern	PP	1.3
SLU	Load pattern	Pv	1.3
SLU	Load pattern	Ph_dx	1.3
SLU	Load pattern	Ph_sx	1.3
SLV	Load pattern	PP	1.13
SLV	Load pattern	Pv	1.13
SLV	Load pattern	Ph_dx	0.84
SLV	Load pattern	Ph_sx	1.41
SLV	Load pattern	In_H_cls	0.25
SLE-DRENO	Load pattern	PP	1.
SLE-DRENO	Load pattern	Pv(Udreno)	1.
SLE-DRENO	Load pattern	Ph_dx(Udreno)	1.
SLE-DRENO	Load pattern	Ph_sx(Udreno)	1.
SLE-DRENO	Load pattern	Uh_sx_dreno	1.
SLE-DRENO	Load pattern	Uv_dreno	1.

Table 15: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
SLE-DRENO	Load pattern	Uh_dx_dreno	1.
SLU-DRENO	Load pattern	PP	1.3
SLU-DRENO	Load pattern	Pv(Udreno)	1.3
SLU-DRENO	Load pattern	Ph_dx(Udreno)	1.3
SLU-DRENO	Load pattern	Ph_sx(Udreno)	1.3
SLU-DRENO	Load pattern	Uh_sx_dreno	1.3
SLU-DRENO	Load pattern	Uv_dreno	1.3
SLU-DRENO	Load pattern	Uh_dx_dreno	1.3
SLV-DRENO	Load pattern	PP	1.13
SLV-DRENO	Load pattern	Pv(Udreno)	1.13
SLV-DRENO	Load pattern	Ph_dx(Udreno)	0.84
SLV-DRENO	Load pattern	Ph_sx(Udreno)	1.41
SLV-DRENO	Load pattern	In_H_cls	0.25
SLV-DRENO	Load pattern	Uv_dreno	-1.13
SLV-DRENO	Load pattern	Uh_sx_dreno	1.41
SLV-DRENO	Load pattern	Uh_dx_dreno	0.84
SLE-CALOTTA	Load pattern	PP	1.
SLE-CALOTTA	Load pattern	Pv(Ucalotta)	1.
SLE-CALOTTA	Load pattern	Ph_dx(Ucalotta)	1.
SLE-CALOTTA	Load pattern	Ph_sx(Ucalotta)	1.
SLE-CALOTTA	Load pattern	Uh_sx_calotta	1.
SLE-CALOTTA	Load pattern	Uv_calotta_d	1.
SLE-CALOTTA	Load pattern	Uh_dx_calotta	1.
SLE-CALOTTA	Load pattern	Uv_calotta_u	1.
SLU-CALOTTA	Load pattern	PP	1.3
SLU-CALOTTA	Load pattern	Pv(Ucalotta)	1.3
SLU-CALOTTA	Load pattern	Ph_dx(Ucalotta)	1.3
SLU-CALOTTA	Load pattern	Ph_sx(Ucalotta)	1.3
SLU-CALOTTA	Load pattern	Uh_sx_calotta	1.3
SLU-CALOTTA	Load pattern	Uv_calotta_d	1.3
SLU-CALOTTA	Load pattern	Uh_dx_calotta	1.3
SLU-CALOTTA	Load pattern	Uv_calotta_u	1.3
SLV-CALOTTA	Load pattern	PP	1.13
SLV-CALOTTA	Load pattern	Pv(Ucalotta)	1.13
SLV-CALOTTA	Load pattern	Ph_dx(Ucalotta)	0.84
SLV-CALOTTA	Load pattern	Ph_sx(Ucalotta)	1.41
SLV-CALOTTA	Load pattern	Uh_sx_calotta	1.41
SLV-CALOTTA	Load pattern	Uv_calotta_d	1.13
SLV-CALOTTA	Load pattern	Uh_dx_calotta	0.84
SLV-CALOTTA	Load pattern	Uv_calotta_u	-1.13
SLV-CALOTTA	Load pattern	In_H_cls	0.25
DEAD	Load pattern	DEAD	1.
PP	Load pattern	PP	1.
Pv	Load pattern	Pv	1.
Ph_sx	Load pattern	Ph_sx	1.
Ph_dx	Load pattern	Ph_dx	1.
In_H_cls	Load pattern	In_H_cls	1.
Ph_sx(Ucalotta)	Load pattern	Ph_sx(Ucalotta)	1.
Ph_dx(Ucalotta)	Load pattern	Ph_dx(Ucalotta)	1.
Ph_dx(Udreno)	Load pattern	Ph_dx(Udreno)	1.
Ph_sx(Udreno)	Load pattern	Ph_sx(Udreno)	1.
Uv_calotta	Load pattern	Uv_calotta_d	1.
Uh_calotta	Load pattern	Uh_sx_calotta	1.
Uh_dreno	Load pattern	Uh_sx_dreno	1.
Uv_dreno	Load pattern	Uv_dreno	1.
Pv(Udreno)	Load pattern	Pv(Udreno)	1.
Pv(Ucalotta)	Load pattern	Pv(Ucalotta)	1.
Uh_dx_dreno	Load pattern	Uh_dx_dreno	1.
Uh_dx_calotta	Load pattern	Uh_dx_calotta	1.

**Table 15: Case - Static 1 - Load Assignments**

Case	LoadType	LoadName	LoadSF
Uv_calotta_u	Load pattern	Uv_calotta_u	1.
Acqua calotta	Load pattern	Uv_calotta_d	1.
Acqua calotta	Load pattern	Uv_calotta_u	1.
Acqua calotta	Load pattern	Uh_sx_calotta	1.
Acqua calotta	Load pattern	Uh_dx_calotta	1.
Acqua dreno	Load pattern	Uh_dx_dreno	1.
Acqua dreno	Load pattern	Uh_sx_dreno	1.
Acqua dreno	Load pattern	Uv_dreno	1.
Terre_calotta	Load pattern	Pv(Ucalotta)	1.
Terre_calotta	Load pattern	Ph_dx(Ucalotta)	1.
Terre_calotta	Load pattern	Ph_sx(Ucalotta)	1.
Terre_dreno	Load pattern	Ph_dx(Udreno)	1.
Terre_dreno	Load pattern	Ph_sx(Udreno)	1.
Terre_dreno	Load pattern	Pv(Udreno)	1.
SLE_CAL-terre+ acqua	Load pattern	Pv(Ucalotta)	1.
SLE_CAL-terre+ acqua	Load pattern	Ph_dx(Ucalotta)	1.
SLE_CAL-terre+ acqua	Load pattern	Ph_sx(Ucalotta)	1.
SLE_CAL-terre+ acqua	Load pattern	Uh_sx_calotta	1.
SLE_CAL-terre+ acqua	Load pattern	Uv_calotta_d	1.
SLE_CAL-terre+ acqua	Load pattern	Uh_dx_calotta	1.
SLE_CAL-terre+ acqua	Load pattern	Uv_calotta_u	1.
SLE-DR_acqua +terre	Load pattern	Pv(Udreno)	1.
SLE-DR_acqua +terre	Load pattern	Ph_dx(Udreno)	1.
SLE-DR_acqua +terre	Load pattern	Ph_sx(Udreno)	1.
SLE-DR_acqua +terre	Load pattern	Uh_sx_dreno	1.
SLE-DR_acqua +terre	Load pattern	Uv_dreno	1.
SLE-DR_acqua +terre	Load pattern	Uh_dx_dreno	1.

### 5.3. Response spectrum case load assignments

**Table 16: Function - Response Spectrum - User**

Table 16: Function - Response Spectrum - User

Name	Period Sec	Accel	FuncDamp
UNIFRS	0.	1.	0.05
UNIFRS	1.	1.	

## 6. Structure results

This section provides structure results, including items such as structural periods and base reactions.

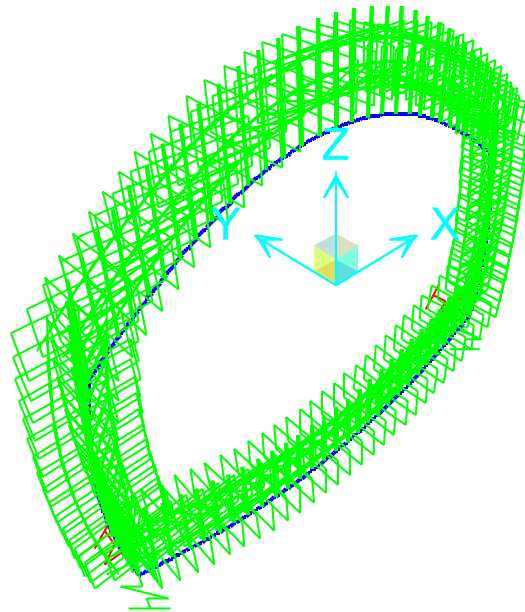


Figure 2: Deformed shape

### 6.1. Mass summary

Table 17: Assembled Joint Masses, Part 1 of 2

Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
1	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	2.370E-07
2	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	0.49322
3	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	0.98368
4	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	1.46864
5	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	1.94538
6	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	2.41125
7	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	2.86363
8	MSSSRC1	1.2	1.2	1.2	0.	0.	0.	3.3
9	MSSSRC1	1.16	1.16	1.16	0.	0.	0.	3.68707
10	MSSSRC1	1.19	1.19	1.19	0.	0.	0.	4.0674
11	MSSSRC1	1.27	1.27	1.27	0.	0.	0.	4.44071
12	MSSSRC1	1.38	1.38	1.38	0.	0.	0.	4.80668
13	MSSSRC1	1.53	1.53	1.53	0.	0.	0.	5.16502
14	MSSSRC1	1.71	1.71	1.71	0.	0.	0.	5.51544
15	MSSSRC1	1.94	1.94	1.94	0.	0.	0.	5.85765
16	MSSSRC1	2.06	2.06	2.06	0.	0.	0.	6.19138
17	MSSSRC1	1.94	1.94	1.94	0.	0.	0.	6.28683
18	MSSSRC1	1.71	1.71	1.71	0.	0.	0.	6.36972
19	MSSSRC1	1.53	1.53	1.53	0.	0.	0.	6.43996
20	MSSSRC1	1.38	1.38	1.38	0.	0.	0.	6.49751
21	MSSSRC1	1.27	1.27	1.27	0.	0.	0.	6.54232
22	MSSSRC1	1.19	1.19	1.19	0.	0.	0.	6.57436
23	MSSSRC1	1.16	1.16	1.16	0.	0.	0.	6.59359
24	MSSSRC1	1.14	1.14	1.14	0.	0.	0.	6.6
25	MSSSRC1	1.14	1.14	1.14	0.	0.	0.	6.59487
26	MSSSRC1	1.17	1.17	1.17	0.	0.	0.	6.57948
27	MSSSRC1	1.24	1.24	1.24	0.	0.	0.	6.55385
28	MSSSRC1	1.16	1.16	1.16	0.	0.	0.	6.518
29	MSSSRC1	1.09	1.09	1.09	0.	0.	0.	6.48463

Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX m
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	
30	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	6.4456
31	MSSSRC1	1.65	1.65	1.65	0.	0.	0.	6.40091
32	MSSSRC1	1.93	1.93	1.93	0.	0.	0.	5.96598
33	MSSSRC1	1.56	1.56	1.56	0.	0.	0.	5.53105
34	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	5.09612
35	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	4.65658
36	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	4.21032
37	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	3.75797
38	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	3.30019
39	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	2.83764
40	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	2.37099
41	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	1.90092
42	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	1.4281
43	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	0.95321
44	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	0.47695
45	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	3.093E-09
46	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	-0.49322
47	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	-0.98368
48	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	-1.46864
49	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	-1.94538
50	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	-2.41125
51	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	-2.86363
52	MSSSRC1	1.2	1.2	1.2	0.	0.	0.	-3.3
53	MSSSRC1	1.16	1.16	1.16	0.	0.	0.	-3.68707
54	MSSSRC1	1.19	1.19	1.19	0.	0.	0.	-4.0674
55	MSSSRC1	1.27	1.27	1.27	0.	0.	0.	-4.44071
56	MSSSRC1	1.38	1.38	1.38	0.	0.	0.	-4.80668
57	MSSSRC1	1.53	1.53	1.53	0.	0.	0.	-5.16502
58	MSSSRC1	1.71	1.71	1.71	0.	0.	0.	-5.51544
59	MSSSRC1	1.94	1.94	1.94	0.	0.	0.	-5.85765
60	MSSSRC1	2.06	2.06	2.06	0.	0.	0.	-6.19138
61	MSSSRC1	1.94	1.94	1.94	0.	0.	0.	-6.28683
62	MSSSRC1	1.71	1.71	1.71	0.	0.	0.	-6.36972
63	MSSSRC1	1.53	1.53	1.53	0.	0.	0.	-6.43996
64	MSSSRC1	1.38	1.38	1.38	0.	0.	0.	-6.49751
65	MSSSRC1	1.27	1.27	1.27	0.	0.	0.	-6.54232
66	MSSSRC1	1.19	1.19	1.19	0.	0.	0.	-6.57436
67	MSSSRC1	1.16	1.16	1.16	0.	0.	0.	-6.59359
68	MSSSRC1	1.14	1.14	1.14	0.	0.	0.	-6.6
69	MSSSRC1	1.14	1.14	1.14	0.	0.	0.	-6.59487
70	MSSSRC1	1.17	1.17	1.17	0.	0.	0.	-6.57948
71	MSSSRC1	1.24	1.24	1.24	0.	0.	0.	-6.55385
72	MSSSRC1	1.16	1.16	1.16	0.	0.	0.	-6.518
73	MSSSRC1	1.09	1.09	1.09	0.	0.	0.	-6.48463
74	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	-6.4456
75	MSSSRC1	1.65	1.65	1.65	0.	0.	0.	-6.40091
76	MSSSRC1	1.93	1.93	1.93	0.	0.	0.	-5.96598
77	MSSSRC1	1.56	1.56	1.56	0.	0.	0.	-5.53105
78	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-5.09612
79	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-4.65658
80	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-4.21032
81	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-3.75797
82	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-3.30019
83	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-2.83764
84	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-2.37099
85	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-1.90092
86	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-1.4281
87	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-0.95321
88	MSSSRC1	1.34	1.34	1.34	0.	0.	0.	-0.47695



Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX m
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	
1~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.370E-07
2~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.49322
3~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.98368
4~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.46864
5~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.94538
6~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.41125
7~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.86363
8~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.3
9~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.68707
10~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.0674
11~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.44071
12~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.80668
13~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.16502
14~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.51544
15~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.85765
16~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.19138
46~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-0.49322
47~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-0.98368
48~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.46864
49~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.94538
50~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.41125
51~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.86363
52~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.3
53~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.68707
54~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.0674
55~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.44071
56~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.80668
57~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.16502
58~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.51544
59~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.85765
60~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.19138
31~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.40091
32~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.96598
33~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.53105
34~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.09612
35~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.65658
36~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.21032
37~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.75797
38~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.30019
39~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.83764
40~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.37099
41~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.90092
42~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.4281
43~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.95321
44~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.47695
45~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.093E-09
76~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.96598
75~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.40091
77~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.53105
78~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.09612
79~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.65658
80~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.21032
81~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.75797
82~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.30019
83~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.83764
84~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.37099
85~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.90092
86~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.4281
87~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-0.95321

**Table 17: Assembled Joint Masses, Part 1 of 2**

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX m
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	
88~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-0.47695
17~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.28683
18~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.36972
19~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.43996
20~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.49751
21~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.54232
22~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.57436
23~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.59359
24~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.6
25~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.59487
26~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.57948
27~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.55385
28~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.518
29~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.48463
30~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.4456
61~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.28683
62~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.36972
63~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.43996
64~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.49751
65~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.54232
66~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.57436
67~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.59359
68~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.6
69~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.59487
70~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.57948
71~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.55385
72~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.518
73~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.48463
74~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.4456
SumAccelUX	MSSSRC1	120.87	0.	0.	0.	0.	0.	1.234E-09
SumAccelUY	MSSSRC1	0.	120.87	0.	0.	0.	0.	1.234E-09
SumAccelUZ	MSSSRC1	0.	0.	120.87	0.	0.	0.	1.234E-09

**Table 17: Assembled Joint Masses, Part 2 of 2**

Table 17: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY m	CenterZ m
1	MSSSRC1	0.	6.6
2	MSSSRC1	0.	6.58155
3	MSSSRC1	0.	6.52628
4	MSSSRC1	0.	6.43452
5	MSSSRC1	0.	6.30678
6	MSSSRC1	0.	6.14377
7	MSSSRC1	0.	5.94639
8	MSSSRC1	0.	5.71577
9	MSSSRC1	0.	5.48489
10	MSSSRC1	0.	5.2431
11	MSSSRC1	0.	4.99058
12	MSSSRC1	0.	4.72754
13	MSSSRC1	0.	4.4542
14	MSSSRC1	0.	4.17077
15	MSSSRC1	0.	3.87749
16	MSSSRC1	0.	3.57459
17	MSSSRC1	0.	3.13413
18	MSSSRC1	0.	2.69112
19	MSSSRC1	0.	2.24594
20	MSSSRC1	0.	1.79894

**Table 17: Assembled Joint Masses, Part 2 of 2**

Joint	MassSource	CenterY m	CenterZ m
21	MSSSRC1	0.	1.35048
22	MSSSRC1	0.	0.90093
23	MSSSRC1	0.	0.45065
24	MSSSRC1	0.	0.
25	MSSSRC1	0.	-0.44131
26	MSSSRC1	0.	-0.88238
27	MSSSRC1	0.	-1.32297
28	MSSSRC1	0.	-1.76254
29	MSSSRC1	0.	-2.08975
30	MSSSRC1	0.	-2.41633
31	MSSSRC1	0.	-2.74218
32	MSSSRC1	0.	-2.93544
33	MSSSRC1	0.	-3.1287
34	MSSSRC1	0.	-3.32196
35	MSSSRC1	0.	-3.50735
36	MSSSRC1	0.	-3.6759
37	MSSSRC1	0.	-3.82737
38	MSSSRC1	0.	-3.96153
39	MSSSRC1	0.	-4.07821
40	MSSSRC1	0.	-4.17722
41	MSSSRC1	0.	-4.25842
42	MSSSRC1	0.	-4.3217
43	MSSSRC1	0.	-4.36697
44	MSSSRC1	0.	-4.39415
45	MSSSRC1	0.	-4.40322
46	MSSSRC1	0.	6.58155
47	MSSSRC1	0.	6.52628
48	MSSSRC1	0.	6.43452
49	MSSSRC1	0.	6.30678
50	MSSSRC1	0.	6.14377
51	MSSSRC1	0.	5.94639
52	MSSSRC1	0.	5.71577
53	MSSSRC1	0.	5.48489
54	MSSSRC1	0.	5.2431
55	MSSSRC1	0.	4.99058
56	MSSSRC1	0.	4.72754
57	MSSSRC1	0.	4.4542
58	MSSSRC1	0.	4.17077
59	MSSSRC1	0.	3.87749
60	MSSSRC1	0.	3.57459
61	MSSSRC1	0.	3.13413
62	MSSSRC1	0.	2.69112
63	MSSSRC1	0.	2.24594
64	MSSSRC1	0.	1.79894
65	MSSSRC1	0.	1.35048
66	MSSSRC1	0.	0.90093
67	MSSSRC1	0.	0.45065
68	MSSSRC1	0.	-5.329E-09
69	MSSSRC1	0.	-0.44131
70	MSSSRC1	0.	-0.88238
71	MSSSRC1	0.	-1.32297
72	MSSSRC1	0.	-1.76254
73	MSSSRC1	0.	-2.08975
74	MSSSRC1	0.	-2.41633
75	MSSSRC1	0.	-2.74218
76	MSSSRC1	0.	-2.93544
77	MSSSRC1	0.	-3.1287
78	MSSSRC1	0.	-3.32196
79	MSSSRC1	0.	-3.50735

**Table 17: Assembled Joint Masses, Part 2 of 2**

Joint	MassSource	CenterY m	CenterZ m
80	MSSSRC1	0.	-3.6759
81	MSSSRC1	0.	-3.82737
82	MSSSRC1	0.	-3.96153
83	MSSSRC1	0.	-4.07821
84	MSSSRC1	0.	-4.17722
85	MSSSRC1	0.	-4.25842
86	MSSSRC1	0.	-4.3217
87	MSSSRC1	0.	-4.36697
88	MSSSRC1	0.	-4.39415
1~Link	MSSSRC1	0.	6.6
2~Link	MSSSRC1	0.	6.58155
3~Link	MSSSRC1	0.	6.52628
4~Link	MSSSRC1	0.	6.43452
5~Link	MSSSRC1	0.	6.30678
6~Link	MSSSRC1	0.	6.14377
7~Link	MSSSRC1	0.	5.94639
8~Link	MSSSRC1	0.	5.71577
9~Link	MSSSRC1	0.	5.48489
10~Link	MSSSRC1	0.	5.2431
11~Link	MSSSRC1	0.	4.99058
12~Link	MSSSRC1	0.	4.72754
13~Link	MSSSRC1	0.	4.4542
14~Link	MSSSRC1	0.	4.17077
15~Link	MSSSRC1	0.	3.87749
16~Link	MSSSRC1	0.	3.57459
46~Link	MSSSRC1	0.	6.58155
47~Link	MSSSRC1	0.	6.52628
48~Link	MSSSRC1	0.	6.43452
49~Link	MSSSRC1	0.	6.30678
50~Link	MSSSRC1	0.	6.14377
51~Link	MSSSRC1	0.	5.94639
52~Link	MSSSRC1	0.	5.71577
53~Link	MSSSRC1	0.	5.48489
54~Link	MSSSRC1	0.	5.2431
55~Link	MSSSRC1	0.	4.99058
56~Link	MSSSRC1	0.	4.72754
57~Link	MSSSRC1	0.	4.4542
58~Link	MSSSRC1	0.	4.17077
59~Link	MSSSRC1	0.	3.87749
60~Link	MSSSRC1	0.	3.57459
31~Link	MSSSRC1	0.	-2.74218
32~Link	MSSSRC1	0.	-2.93544
33~Link	MSSSRC1	0.	-3.1287
34~Link	MSSSRC1	0.	-3.32196
35~Link	MSSSRC1	0.	-3.50735
36~Link	MSSSRC1	0.	-3.6759
37~Link	MSSSRC1	0.	-3.82737
38~Link	MSSSRC1	0.	-3.96153
39~Link	MSSSRC1	0.	-4.07821
40~Link	MSSSRC1	0.	-4.17722
41~Link	MSSSRC1	0.	-4.25842
42~Link	MSSSRC1	0.	-4.3217
43~Link	MSSSRC1	0.	-4.36697
44~Link	MSSSRC1	0.	-4.39415
45~Link	MSSSRC1	0.	-4.40322
76~Link	MSSSRC1	0.	-2.93544
75~Link	MSSSRC1	0.	-2.74218
77~Link	MSSSRC1	0.	-3.1287
78~Link	MSSSRC1	0.	-3.32196

**Table 17: Assembled Joint Masses, Part 2 of 2**

Joint	MassSource	CenterY m	CenterZ m
79~Link	MSSSRC1	0.	-3.50735
80~Link	MSSSRC1	0.	-3.6759
81~Link	MSSSRC1	0.	-3.82737
82~Link	MSSSRC1	0.	-3.96153
83~Link	MSSSRC1	0.	-4.07821
84~Link	MSSSRC1	0.	-4.17722
85~Link	MSSSRC1	0.	-4.25842
86~Link	MSSSRC1	0.	-4.3217
87~Link	MSSSRC1	0.	-4.36697
88~Link	MSSSRC1	0.	-4.39415
17~Link	MSSSRC1	0.	3.13413
18~Link	MSSSRC1	0.	2.69112
19~Link	MSSSRC1	0.	2.24594
20~Link	MSSSRC1	0.	1.79894
21~Link	MSSSRC1	0.	1.35048
22~Link	MSSSRC1	0.	0.90093
23~Link	MSSSRC1	0.	0.45065
24~Link	MSSSRC1	0.	0.
25~Link	MSSSRC1	0.	-0.44131
26~Link	MSSSRC1	0.	-0.88238
27~Link	MSSSRC1	0.	-1.32297
28~Link	MSSSRC1	0.	-1.76254
29~Link	MSSSRC1	0.	-2.08975
30~Link	MSSSRC1	0.	-2.41633
61~Link	MSSSRC1	0.	3.13413
62~Link	MSSSRC1	0.	2.69112
63~Link	MSSSRC1	0.	2.24594
64~Link	MSSSRC1	0.	1.79894
65~Link	MSSSRC1	0.	1.35048
66~Link	MSSSRC1	0.	0.90093
67~Link	MSSSRC1	0.	0.45065
68~Link	MSSSRC1	0.	-5.329E-09
69~Link	MSSSRC1	0.	-0.44131
70~Link	MSSSRC1	0.	-0.88238
71~Link	MSSSRC1	0.	-1.32297
72~Link	MSSSRC1	0.	-1.76254
73~Link	MSSSRC1	0.	-2.08975
74~Link	MSSSRC1	0.	-2.41633
SumAccelUX	MSSSRC1	0.	0.75942
SumAccelUY	MSSSRC1	0.	0.75942
SumAccelUZ	MSSSRC1	0.	0.75942

## 6.2. Base reactions

**Table 18: Base Reactions**

**Table 18: Base Reactions**

OutputCase	StepType	GlobalFX KN	GlobalFY KN	GlobalFZ KN	GlobalMX KN-m	GlobalMY KN-m	GlobalMZ KN-m
SLE-DRENO	Max	-230.37	-2.298E-13	2470.544	-8.398E-13	374.1302	-1.377E-13
SLE-DRENO	Min	-230.37	-2.298E-13	2470.544	-8.398E-13	374.1302	-1.377E-13
SLU-DRENO	Max	-299.411	-2.987E-13	3211.6	-1.092E-12	486.3564	-1.790E-13
SLU-DRENO	Min	-299.411	-2.987E-13	3211.6	-1.092E-12	486.3564	-1.790E-13
SLV-DRENO	Max	-1127.146	-3.575E-13	3395.703	-1.226E-12	-550.7901	-6.152E-13
SLV-DRENO	Min	-1127.146	-3.575E-13	3395.703	-1.226E-12	-550.7901	-6.152E-13

**Table 18: Base Reactions**

OutputCase	StepType	GlobalFX KN	GlobalFY KN	GlobalFZ KN	GlobalMX KN-m	GlobalMY KN-m	GlobalMZ KN-m
SLE-CALOTTA	Max	-230.37	-1.318E-13	1366.413	-4.675E-13	374.1302	-1.215E-13
SLE-CALOTTA	Min	-230.37	-1.318E-13	1366.413	-4.675E-13	374.1302	-1.215E-13
SLU-CALOTTA	Max	-299.404	-1.713E-13	1776.28	-6.078E-13	486.3789	-1.579E-13
SLU-CALOTTA	Min	-299.404	-1.713E-13	1776.28	-6.078E-13	486.3789	-1.579E-13
SLV-CALOTTA	Max	-1341.676	-1.761E-13	1181.065	-5.145E-13	-180.0715	-6.647E-13
SLV-CALOTTA	Min	-1341.676	-1.761E-13	1181.065	-5.145E-13	-180.0715	-6.647E-13

## 7. Joint results

This section provides joint results, including items such as displacements and reactions.

**Table 19: Joint Displacements, Part 1 of 2**

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
1	SLE-DRENO	Max	0.006765	0.000013	-0.041723	-8.557E-06	-0.000628
1	SLE-DRENO	Min	0.006765	0.000013	-0.041723	-8.557E-06	-0.000628
1	SLU-DRENO	Max	0.008791	2.809E-06	-0.054238	-1.852E-06	-0.000816
1	SLU-DRENO	Min	0.008791	2.809E-06	-0.054238	-1.852E-06	-0.000816
1	SLV-DRENO	Max	0.041583	2.536E-06	-0.05455	-2.039E-06	-0.001086
1	SLV-DRENO	Min	0.041583	2.536E-06	-0.05455	-2.039E-06	-0.001086
1	SLE-CALOTTA	Max	0.006134	5.733E-06	-0.024172	-3.968E-06	-0.000652
1	SLE-CALOTTA	Min	0.006134	5.733E-06	-0.024172	-3.968E-06	-0.000652
1	SLU-CALOTTA	Max	0.007971	1.492E-06	-0.031423	-1.032E-06	-0.000847
1	SLU-CALOTTA	Min	0.007971	1.492E-06	-0.031423	-1.032E-06	-0.000847
1	SLV-CALOTTA	Max	0.044072	3.940E-06	-0.01984	-6.632E-06	-0.001575
1	SLV-CALOTTA	Min	0.044072	3.940E-06	-0.01984	-6.632E-06	-0.001575
2	SLE-DRENO	Max	0.006767	0.000014	-0.041399	-8.557E-06	-0.000675
2	SLE-DRENO	Min	0.006767	0.000014	-0.041399	-8.557E-06	-0.000675
2	SLU-DRENO	Max	0.008795	2.947E-06	-0.053817	-1.852E-06	-0.000877
2	SLU-DRENO	Min	0.008795	2.947E-06	-0.053817	-1.852E-06	-0.000877
2	SLV-DRENO	Max	0.04159	2.672E-06	-0.054009	-2.039E-06	-0.001082
2	SLV-DRENO	Min	0.04159	2.672E-06	-0.054009	-2.039E-06	-0.001082
2	SLE-CALOTTA	Max	0.006136	6.018E-06	-0.023839	-3.968E-06	-0.00069
2	SLE-CALOTTA	Min	0.006136	6.018E-06	-0.023839	-3.968E-06	-0.00069
2	SLU-CALOTTA	Max	0.007975	1.566E-06	-0.030989	-1.032E-06	-0.000897
2	SLU-CALOTTA	Min	0.007975	1.566E-06	-0.030989	-1.032E-06	-0.000897
2	SLV-CALOTTA	Max	0.044087	4.258E-06	-0.019065	-6.632E-06	-0.001549
2	SLV-CALOTTA	Min	0.044087	4.258E-06	-0.019065	-6.632E-06	-0.001549
3	SLE-DRENO	Max	0.006797	0.000014	-0.041054	-8.557E-06	-0.000716
3	SLE-DRENO	Min	0.006797	0.000014	-0.041054	-8.557E-06	-0.000716
3	SLU-DRENO	Max	0.008833	3.016E-06	-0.053369	-1.852E-06	-0.000931
3	SLU-DRENO	Min	0.008833	3.016E-06	-0.053369	-1.852E-06	-0.000931
3	SLV-DRENO	Max	0.041636	2.733E-06	-0.053475	-2.039E-06	-0.001068
3	SLV-DRENO	Min	0.041636	2.733E-06	-0.053475	-2.039E-06	-0.001068
3	SLE-CALOTTA	Max	0.006166	6.155E-06	-0.023488	-3.968E-06	-0.000724
3	SLE-CALOTTA	Min	0.006166	6.155E-06	-0.023488	-3.968E-06	-0.000724
3	SLU-CALOTTA	Max	0.008013	1.602E-06	-0.030534	-1.032E-06	-0.000941
3	SLU-CALOTTA	Min	0.008013	1.602E-06	-0.030534	-1.032E-06	-0.000941
3	SLV-CALOTTA	Max	0.044157	4.329E-06	-0.018309	-6.632E-06	-0.001516
3	SLV-CALOTTA	Min	0.044157	4.329E-06	-0.018309	-6.632E-06	-0.001516
4	SLE-DRENO	Max	0.006855	0.000014	-0.040693	-8.557E-06	-0.000752
4	SLE-DRENO	Min	0.006855	0.000014	-0.040693	-8.557E-06	-0.000752
4	SLU-DRENO	Max	0.008909	3.015E-06	-0.0529	-1.852E-06	-0.000978
4	SLU-DRENO	Min	0.008909	3.015E-06	-0.0529	-1.852E-06	-0.000978

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
4	SLV-DRENO	Max	0.041721	2.718E-06	-0.052955	-2.039E-06	-0.001045
4	SLV-DRENO	Min	0.041721	2.718E-06	-0.052955	-2.039E-06	-0.001045
4	SLE-CALOTTA	Max	0.006224	6.143E-06	-0.023126	-3.968E-06	-0.000753
4	SLE-CALOTTA	Min	0.006224	6.143E-06	-0.023126	-3.968E-06	-0.000753
4	SLU-CALOTTA	Max	0.008089	1.599E-06	-0.030063	-1.032E-06	-0.000978
4	SLU-CALOTTA	Min	0.008089	1.599E-06	-0.030063	-1.032E-06	-0.000978
4	SLV-CALOTTA	Max	0.04428	4.153E-06	-0.017578	-6.632E-06	-0.001477
4	SLV-CALOTTA	Min	0.04428	4.153E-06	-0.017578	-6.632E-06	-0.001477
5	SLE-DRENO	Max	0.006945	0.000014	-0.040322	-8.557E-06	-0.000782
5	SLE-DRENO	Min	0.006945	0.000014	-0.040322	-8.557E-06	-0.000782
5	SLU-DRENO	Max	0.009026	2.944E-06	-0.052417	-1.852E-06	-0.001016
5	SLU-DRENO	Min	0.009026	2.944E-06	-0.052417	-1.852E-06	-0.001016
5	SLV-DRENO	Max	0.041839	2.626E-06	-0.052457	-2.039E-06	-0.001013
5	SLV-DRENO	Min	0.041839	2.626E-06	-0.052457	-2.039E-06	-0.001013
5	SLE-CALOTTA	Max	0.006312	5.982E-06	-0.022756	-3.968E-06	-0.000776
5	SLE-CALOTTA	Min	0.006312	5.982E-06	-0.022756	-3.968E-06	-0.000776
5	SLU-CALOTTA	Max	0.008203	1.557E-06	-0.029582	-1.032E-06	-0.001009
5	SLU-CALOTTA	Min	0.008203	1.557E-06	-0.029582	-1.032E-06	-0.001009
5	SLV-CALOTTA	Max	0.044452	3.731E-06	-0.016879	-6.632E-06	-0.001433
5	SLV-CALOTTA	Min	0.044452	3.731E-06	-0.016879	-6.632E-06	-0.001433
6	SLE-DRENO	Max	0.007066	0.000013	-0.039945	-8.557E-06	-0.000804
6	SLE-DRENO	Min	0.007066	0.000013	-0.039945	-8.557E-06	-0.000804
6	SLU-DRENO	Max	0.009183	2.805E-06	-0.051928	-1.852E-06	-0.001045
6	SLU-DRENO	Min	0.009183	2.805E-06	-0.051928	-1.852E-06	-0.001045
6	SLV-DRENO	Max	0.041989	2.459E-06	-0.051986	-2.039E-06	-0.000972
6	SLV-DRENO	Min	0.041989	2.459E-06	-0.051986	-2.039E-06	-0.000972
6	SLE-CALOTTA	Max	0.006431	5.673E-06	-0.022384	-3.968E-06	-0.000794
6	SLE-CALOTTA	Min	0.006431	5.673E-06	-0.022384	-3.968E-06	-0.000794
6	SLU-CALOTTA	Max	0.008358	1.477E-06	-0.029099	-1.032E-06	-0.001032
6	SLU-CALOTTA	Min	0.008358	1.477E-06	-0.029099	-1.032E-06	-0.001032
6	SLV-CALOTTA	Max	0.044667	3.066E-06	-0.016216	-6.632E-06	-0.001387
6	SLV-CALOTTA	Min	0.044667	3.066E-06	-0.016216	-6.632E-06	-0.001387
7	SLE-DRENO	Max	0.007219	0.000012	-0.039571	-8.557E-06	-0.000819
7	SLE-DRENO	Min	0.007219	0.000012	-0.039571	-8.557E-06	-0.000819
7	SLU-DRENO	Max	0.009381	2.597E-06	-0.05144	-1.852E-06	-0.001064
7	SLU-DRENO	Min	0.009381	2.597E-06	-0.05144	-1.852E-06	-0.001064
7	SLV-DRENO	Max	0.042164	2.216E-06	-0.051548	-2.039E-06	-0.000925
7	SLV-DRENO	Min	0.042164	2.216E-06	-0.051548	-2.039E-06	-0.000925
7	SLE-CALOTTA	Max	0.006581	5.219E-06	-0.022015	-3.968E-06	-0.000807
7	SLE-CALOTTA	Min	0.006581	5.219E-06	-0.022015	-3.968E-06	-0.000807
7	SLU-CALOTTA	Max	0.008552	1.359E-06	-0.028619	-1.032E-06	-0.001048
7	SLU-CALOTTA	Min	0.008552	1.359E-06	-0.028619	-1.032E-06	-0.001048
7	SLV-CALOTTA	Max	0.044922	2.160E-06	-0.015593	-6.632E-06	-0.001339
7	SLV-CALOTTA	Min	0.044922	2.160E-06	-0.015593	-6.632E-06	-0.001339
8	SLE-DRENO	Max	0.007401	0.000011	-0.039203	-8.557E-06	-0.000826
8	SLE-DRENO	Min	0.007401	0.000011	-0.039203	-8.557E-06	-0.000826
8	SLU-DRENO	Max	0.009618	2.322E-06	-0.050963	-1.852E-06	-0.001073
8	SLU-DRENO	Min	0.009618	2.322E-06	-0.050963	-1.852E-06	-0.001073
8	SLV-DRENO	Max	0.042359	1.900E-06	-0.051146	-2.039E-06	-0.000873
8	SLV-DRENO	Min	0.042359	1.900E-06	-0.051146	-2.039E-06	-0.000873
8	SLE-CALOTTA	Max	0.006759	4.620E-06	-0.021654	-3.968E-06	-0.000813
8	SLE-CALOTTA	Min	0.006759	4.620E-06	-0.021654	-3.968E-06	-0.000813
8	SLU-CALOTTA	Max	0.008784	1.203E-06	-0.028149	-1.032E-06	-0.001057
8	SLU-CALOTTA	Min	0.008784	1.203E-06	-0.028149	-1.032E-06	-0.001057
8	SLV-CALOTTA	Max	0.045211	1.020E-06	-0.015012	-6.632E-06	-0.001292
8	SLV-CALOTTA	Min	0.045211	1.020E-06	-0.015012	-6.632E-06	-0.001292
9	SLE-DRENO	Max	0.007585	9.412E-06	-0.038875	-8.557E-06	-0.000825
9	SLE-DRENO	Min	0.007585	9.412E-06	-0.038875	-8.557E-06	-0.000825
9	SLU-DRENO	Max	0.009858	2.030E-06	-0.050536	-1.852E-06	-0.001072

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
9	SLU-DRENO	Min	0.009858	2.030E-06	-0.050536	-1.852E-06	-0.001072
9	SLV-DRENO	Max	0.042543	1.567E-06	-0.050809	-2.039E-06	-0.000821
9	SLV-DRENO	Min	0.042543	1.567E-06	-0.050809	-2.039E-06	-0.000821
9	SLE-CALOTTA	Max	0.00694	3.985E-06	-0.021331	-3.968E-06	-0.000814
9	SLE-CALOTTA	Min	0.00694	3.985E-06	-0.021331	-3.968E-06	-0.000814
9	SLU-CALOTTA	Max	0.009019	1.038E-06	-0.027729	-1.032E-06	-0.001058
9	SLU-CALOTTA	Min	0.009019	1.038E-06	-0.027729	-1.032E-06	-0.001058
9	SLV-CALOTTA	Max	0.045491	-1.657E-07	-0.014513	-6.632E-06	-0.001251
9	SLV-CALOTTA	Min	0.045491	-1.657E-07	-0.014513	-6.632E-06	-0.001251
10	SLE-DRENO	Max	0.007778	7.956E-06	-0.038553	-8.557E-06	-0.000815
10	SLE-DRENO	Min	0.007778	7.956E-06	-0.038553	-8.557E-06	-0.000815
10	SLU-DRENO	Max	0.010109	1.715E-06	-0.050118	-1.852E-06	-0.00106
10	SLU-DRENO	Min	0.010109	1.715E-06	-0.050118	-1.852E-06	-0.00106
10	SLV-DRENO	Max	0.042725	1.208E-06	-0.050497	-2.039E-06	-0.000767
10	SLV-DRENO	Min	0.042725	1.208E-06	-0.050497	-2.039E-06	-0.000767
10	SLE-CALOTTA	Max	0.00713	3.302E-06	-0.021013	-3.968E-06	-0.000808
10	SLE-CALOTTA	Min	0.00713	3.302E-06	-0.021013	-3.968E-06	-0.000808
10	SLU-CALOTTA	Max	0.009266	8.601E-07	-0.027316	-1.032E-06	-0.00105
10	SLU-CALOTTA	Min	0.009266	8.601E-07	-0.027316	-1.032E-06	-0.00105
10	SLV-CALOTTA	Max	0.045777	-1.430E-06	-0.014037	-6.632E-06	-0.001214
10	SLV-CALOTTA	Min	0.045777	-1.430E-06	-0.014037	-6.632E-06	-0.001214
11	SLE-DRENO	Max	0.007978	6.397E-06	-0.038241	-8.557E-06	-0.000798
11	SLE-DRENO	Min	0.007978	6.397E-06	-0.038241	-8.557E-06	-0.000798
11	SLU-DRENO	Max	0.010368	1.377E-06	-0.049712	-1.852E-06	-0.001037
11	SLU-DRENO	Min	0.010368	1.377E-06	-0.049712	-1.852E-06	-0.001037
11	SLV-DRENO	Max	0.042903	8.256E-07	-0.050209	-2.039E-06	-0.000714
11	SLV-DRENO	Min	0.042903	8.256E-07	-0.050209	-2.039E-06	-0.000714
11	SLE-CALOTTA	Max	0.007327	2.571E-06	-0.020704	-3.968E-06	-0.000795
11	SLE-CALOTTA	Min	0.007327	2.571E-06	-0.020704	-3.968E-06	-0.000795
11	SLU-CALOTTA	Max	0.009522	6.700E-07	-0.026914	-1.032E-06	-0.001033
11	SLU-CALOTTA	Min	0.009522	6.700E-07	-0.026914	-1.032E-06	-0.001033
11	SLV-CALOTTA	Max	0.046068	-2.772E-06	-0.013581	-6.632E-06	-0.00118
11	SLV-CALOTTA	Min	0.046068	-2.772E-06	-0.013581	-6.632E-06	-0.00118
12	SLE-DRENO	Max	0.008181	4.737E-06	-0.037942	-8.557E-06	-0.000776
12	SLE-DRENO	Min	0.008181	4.737E-06	-0.037942	-8.557E-06	-0.000776
12	SLU-DRENO	Max	0.010633	1.018E-06	-0.049324	-1.852E-06	-0.001008
12	SLU-DRENO	Min	0.010633	1.018E-06	-0.049324	-1.852E-06	-0.001008
12	SLV-DRENO	Max	0.043076	4.189E-07	-0.049945	-2.039E-06	-0.000666
12	SLV-DRENO	Min	0.043076	4.189E-07	-0.049945	-2.039E-06	-0.000666
12	SLE-CALOTTA	Max	0.007529	1.793E-06	-0.020406	-3.968E-06	-0.000777
12	SLE-CALOTTA	Min	0.007529	1.793E-06	-0.020406	-3.968E-06	-0.000777
12	SLU-CALOTTA	Max	0.009785	4.676E-07	-0.026527	-1.032E-06	-0.00101
12	SLU-CALOTTA	Min	0.009785	4.676E-07	-0.026527	-1.032E-06	-0.00101
12	SLV-CALOTTA	Max	0.046364	-4.189E-06	-0.013146	-6.632E-06	-0.001152
12	SLV-CALOTTA	Min	0.046364	-4.189E-06	-0.013146	-6.632E-06	-0.001152
13	SLE-DRENO	Max	0.008387	2.976E-06	-0.037658	-8.557E-06	-0.000751
13	SLE-DRENO	Min	0.008387	2.976E-06	-0.037658	-8.557E-06	-0.000751
13	SLU-DRENO	Max	0.010901	6.368E-07	-0.048954	-1.852E-06	-0.000976
13	SLU-DRENO	Min	0.010901	6.368E-07	-0.048954	-1.852E-06	-0.000976
13	SLV-DRENO	Max	0.043246	-1.161E-08	-0.049703	-2.039E-06	-0.000625
13	SLV-DRENO	Min	0.043246	-1.161E-08	-0.049703	-2.039E-06	-0.000625
13	SLE-CALOTTA	Max	0.007736	9.684E-07	-0.02012	-3.968E-06	-0.000757
13	SLE-CALOTTA	Min	0.007736	9.684E-07	-0.02012	-3.968E-06	-0.000757
13	SLU-CALOTTA	Max	0.010053	2.531E-07	-0.026156	-1.032E-06	-0.000984
13	SLU-CALOTTA	Min	0.010053	2.531E-07	-0.026156	-1.032E-06	-0.000984
13	SLV-CALOTTA	Max	0.046667	-5.683E-06	-0.012728	-6.632E-06	-0.00113
13	SLV-CALOTTA	Min	0.046667	-5.683E-06	-0.012728	-6.632E-06	-0.00113
14	SLE-DRENO	Max	0.008595	1.115E-06	-0.037388	-8.557E-06	-0.000726
14	SLE-DRENO	Min	0.008595	1.115E-06	-0.037388	-8.557E-06	-0.000726



Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
14	SLU-DRENO	Max	0.011171	2.342E-07	-0.048603	-1.852E-06	-0.000944
14	SLU-DRENO	Min	0.011171	2.342E-07	-0.048603	-1.852E-06	-0.000944
14	SLV-DRENO	Max	0.043412	-4.654E-07	-0.049478	-2.039E-06	-0.000591
14	SLV-DRENO	Min	0.043412	-4.654E-07	-0.049478	-2.039E-06	-0.000591
14	SLE-CALOTTA	Max	0.007945	9.810E-08	-0.019848	-3.968E-06	-0.000737
14	SLE-CALOTTA	Min	0.007945	9.810E-08	-0.019848	-3.968E-06	-0.000737
14	SLU-CALOTTA	Max	0.010326	2.676E-08	-0.025802	-1.032E-06	-0.000958
14	SLU-CALOTTA	Min	0.010326	2.676E-08	-0.025802	-1.032E-06	-0.000958
14	SLV-CALOTTA	Max	0.046977	-7.250E-06	-0.012326	-6.632E-06	-0.001111
14	SLV-CALOTTA	Min	0.046977	-7.250E-06	-0.012326	-6.632E-06	-0.001111
15	SLE-DRENO	Max	0.008804	-8.424E-07	-0.037133	-8.557E-06	-0.000704
15	SLE-DRENO	Min	0.008804	-8.424E-07	-0.037133	-8.557E-06	-0.000704
15	SLU-DRENO	Max	0.011442	-1.895E-07	-0.048272	-1.852E-06	-0.000915
15	SLU-DRENO	Min	0.011442	-1.895E-07	-0.048272	-1.852E-06	-0.000915
15	SLV-DRENO	Max	0.043577	-9.423E-07	-0.04927	-2.039E-06	-0.000564
15	SLV-DRENO	Min	0.043577	-9.423E-07	-0.04927	-2.039E-06	-0.000564
15	SLE-CALOTTA	Max	0.008157	-8.172E-07	-0.019589	-3.968E-06	-0.000718
15	SLE-CALOTTA	Min	0.008157	-8.172E-07	-0.019589	-3.968E-06	-0.000718
15	SLU-CALOTTA	Max	0.010601	-2.113E-07	-0.025465	-1.032E-06	-0.000933
15	SLU-CALOTTA	Min	0.010601	-2.113E-07	-0.025465	-1.032E-06	-0.000933
15	SLV-CALOTTA	Max	0.047295	-8.889E-06	-0.01194	-6.632E-06	-0.001097
15	SLV-CALOTTA	Min	0.047295	-8.889E-06	-0.01194	-6.632E-06	-0.001097
16	SLE-DRENO	Max	0.009014	-2.896E-06	-0.036891	-8.557E-06	-0.000685
16	SLE-DRENO	Min	0.009014	-2.896E-06	-0.036891	-8.557E-06	-0.000685
16	SLU-DRENO	Max	0.011716	-6.340E-07	-0.047957	-1.852E-06	-0.00089
16	SLU-DRENO	Min	0.011716	-6.340E-07	-0.047957	-1.852E-06	-0.00089
16	SLV-DRENO	Max	0.043741	-1.442E-06	-0.049075	-2.039E-06	-0.000543
16	SLV-DRENO	Min	0.043741	-1.442E-06	-0.049075	-2.039E-06	-0.000543
16	SLE-CALOTTA	Max	0.008371	-1.777E-06	-0.019342	-3.968E-06	-0.000701
16	SLE-CALOTTA	Min	0.008371	-1.777E-06	-0.019342	-3.968E-06	-0.000701
16	SLU-CALOTTA	Max	0.01088	-4.610E-07	-0.025145	-1.032E-06	-0.000911
16	SLU-CALOTTA	Min	0.01088	-4.610E-07	-0.025145	-1.032E-06	-0.000911
16	SLV-CALOTTA	Max	0.047621	-0.000011	-0.011568	-6.632E-06	-0.001086
16	SLV-CALOTTA	Min	0.047621	-0.000011	-0.011568	-6.632E-06	-0.001086
16	SLE-DRENO	Max	0.009305	-6.511E-06	-0.036821	-8.557E-06	-0.000664
16	SLE-DRENO	Min	0.009305	-6.511E-06	-0.036821	-8.557E-06	-0.000664
17	SLU-DRENO	Max	0.012094	-1.416E-06	-0.047866	-1.852E-06	-0.000864
17	SLU-DRENO	Min	0.012094	-1.416E-06	-0.047866	-1.852E-06	-0.000864
17	SLV-DRENO	Max	0.043963	-2.306E-06	-0.049017	-2.039E-06	-0.000523
17	SLV-DRENO	Min	0.043963	-2.306E-06	-0.049017	-2.039E-06	-0.000523
17	SLE-CALOTTA	Max	0.00867	-3.455E-06	-0.01927	-3.968E-06	-0.000684
17	SLE-CALOTTA	Min	0.00867	-3.455E-06	-0.01927	-3.968E-06	-0.000684
17	SLU-CALOTTA	Max	0.011268	-8.976E-07	-0.025051	-1.032E-06	-0.000889
17	SLU-CALOTTA	Min	0.011268	-8.976E-07	-0.025051	-1.032E-06	-0.000889
17	SLV-CALOTTA	Max	0.048084	-0.000013	-0.011459	-6.632E-06	-0.001077
17	SLV-CALOTTA	Min	0.048084	-0.000013	-0.011459	-6.632E-06	-0.001077
18	SLE-DRENO	Max	0.009588	-0.00001	-0.036759	-8.557E-06	-0.000639
18	SLE-DRENO	Min	0.009588	-0.00001	-0.036759	-8.557E-06	-0.000639
18	SLU-DRENO	Max	0.012461	-2.208E-06	-0.047786	-1.852E-06	-0.000831
18	SLU-DRENO	Min	0.012461	-2.208E-06	-0.047786	-1.852E-06	-0.000831
18	SLV-DRENO	Max	0.044177	-3.180E-06	-0.048967	-2.039E-06	-0.000503
18	SLV-DRENO	Min	0.044177	-3.180E-06	-0.048967	-2.039E-06	-0.000503
18	SLE-CALOTTA	Max	0.008961	-5.153E-06	-0.019207	-3.968E-06	-0.000663
18	SLE-CALOTTA	Min	0.008961	-5.153E-06	-0.019207	-3.968E-06	-0.000663
18	SLU-CALOTTA	Max	0.011647	-1.339E-06	-0.024969	-1.032E-06	-0.000862
18	SLU-CALOTTA	Min	0.011647	-1.339E-06	-0.024969	-1.032E-06	-0.000862
18	SLV-CALOTTA	Max	0.048547	-0.000016	-0.011362	-6.632E-06	-0.001073
18	SLV-CALOTTA	Min	0.048547	-0.000016	-0.011362	-6.632E-06	-0.001073
19	SLE-DRENO	Max	0.009859	-0.000014	-0.036707	-8.557E-06	-0.000607

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
19	SLE-DRENO	Min	0.009859	-0.000014	-0.036707	-8.557E-06	-0.000607
19	SLU-DRENO	Max	0.012813	-3.008E-06	-0.047718	-1.852E-06	-0.000789
19	SLU-DRENO	Min	0.012813	-3.008E-06	-0.047718	-1.852E-06	-0.000789
19	SLV-DRENO	Max	0.044384	-4.063E-06	-0.048922	-2.039E-06	-0.000486
19	SLV-DRENO	Min	0.044384	-4.063E-06	-0.048922	-2.039E-06	-0.000486
19	SLE-CALOTTA	Max	0.009245	-6.869E-06	-0.019153	-3.968E-06	-0.000638
19	SLE-CALOTTA	Min	0.009245	-6.869E-06	-0.019153	-3.968E-06	-0.000638
19	SLU-CALOTTA	Max	0.012015	-1.786E-06	-0.024898	-1.032E-06	-0.000829
19	SLU-CALOTTA	Min	0.012015	-1.786E-06	-0.024898	-1.032E-06	-0.000829
19	SLV-CALOTTA	Max	0.049013	-0.000019	-0.011278	-6.632E-06	-0.001079
19	SLV-CALOTTA	Min	0.049013	-0.000019	-0.011278	-6.632E-06	-0.001079
20	SLE-DRENO	Max	0.010116	-0.000018	-0.036663	-8.557E-06	-0.000569
20	SLE-DRENO	Min	0.010116	-0.000018	-0.036663	-8.557E-06	-0.000569
20	SLU-DRENO	Max	0.013147	-3.815E-06	-0.04766	-1.852E-06	-0.00074
20	SLU-DRENO	Min	0.013147	-3.815E-06	-0.04766	-1.852E-06	-0.00074
20	SLV-DRENO	Max	0.044586	-4.953E-06	-0.048882	-2.039E-06	-0.000476
20	SLV-DRENO	Min	0.044586	-4.953E-06	-0.048882	-2.039E-06	-0.000476
20	SLE-CALOTTA	Max	0.009517	-8.601E-06	-0.019107	-3.968E-06	-0.000609
20	SLE-CALOTTA	Min	0.009517	-8.601E-06	-0.019107	-3.968E-06	-0.000609
20	SLU-CALOTTA	Max	0.01237	-2.236E-06	-0.024838	-1.032E-06	-0.000792
20	SLU-CALOTTA	Min	0.01237	-2.236E-06	-0.024838	-1.032E-06	-0.000792
20	SLV-CALOTTA	Max	0.049489	-0.000022	-0.011204	-6.632E-06	-0.0011
20	SLV-CALOTTA	Min	0.049489	-0.000022	-0.011204	-6.632E-06	-0.0011
21	SLE-DRENO	Max	0.010356	-0.000021	-0.036627	-8.557E-06	-0.000526
21	SLE-DRENO	Min	0.010356	-0.000021	-0.036627	-8.557E-06	-0.000526
21	SLU-DRENO	Max	0.013459	-4.630E-06	-0.047614	-1.852E-06	-0.000684
21	SLU-DRENO	Min	0.013459	-4.630E-06	-0.047614	-1.852E-06	-0.000684
21	SLV-DRENO	Max	0.044789	-5.852E-06	-0.048847	-2.039E-06	-0.000476
21	SLV-DRENO	Min	0.044789	-5.852E-06	-0.048847	-2.039E-06	-0.000476
21	SLE-CALOTTA	Max	0.009779	-0.00001	-0.019068	-3.968E-06	-0.000578
21	SLE-CALOTTA	Min	0.009779	-0.00001	-0.019068	-3.968E-06	-0.000578
21	SLU-CALOTTA	Max	0.01271	-2.691E-06	-0.024789	-1.032E-06	-0.000751
21	SLU-CALOTTA	Min	0.01271	-2.691E-06	-0.024789	-1.032E-06	-0.000751
21	SLV-CALOTTA	Max	0.049983	-0.000025	-0.011142	-6.632E-06	-0.001139
21	SLV-CALOTTA	Min	0.049983	-0.000025	-0.011142	-6.632E-06	-0.001139
22	SLE-DRENO	Max	0.010577	-0.000025	-0.036598	-8.557E-06	-0.000478
22	SLE-DRENO	Min	0.010577	-0.000025	-0.036598	-8.557E-06	-0.000478
22	SLU-DRENO	Max	0.013747	-5.451E-06	-0.047576	-1.852E-06	-0.000621
22	SLU-DRENO	Min	0.013747	-5.451E-06	-0.047576	-1.852E-06	-0.000621
22	SLV-DRENO	Max	0.044997	-6.757E-06	-0.048815	-2.039E-06	-0.000492
22	SLV-DRENO	Min	0.044997	-6.757E-06	-0.048815	-2.039E-06	-0.000492
22	SLE-CALOTTA	Max	0.010027	-0.000012	-0.019037	-3.968E-06	-0.000542
22	SLE-CALOTTA	Min	0.010027	-0.000012	-0.019037	-3.968E-06	-0.000542
22	SLU-CALOTTA	Max	0.013032	-3.149E-06	-0.024748	-1.032E-06	-0.000705
22	SLU-CALOTTA	Min	0.013032	-3.149E-06	-0.024748	-1.032E-06	-0.000705
22	SLV-CALOTTA	Max	0.050503	-0.000028	-0.01109	-6.632E-06	-0.001198
22	SLV-CALOTTA	Min	0.050503	-0.000028	-0.01109	-6.632E-06	-0.001198
23	SLE-DRENO	Max	0.010778	-0.000029	-0.036575	-8.557E-06	-0.000428
23	SLE-DRENO	Min	0.010778	-0.000029	-0.036575	-8.557E-06	-0.000428
23	SLU-DRENO	Max	0.014008	-6.278E-06	-0.047547	-1.852E-06	-0.000556
23	SLU-DRENO	Min	0.014008	-6.278E-06	-0.047547	-1.852E-06	-0.000556
23	SLV-DRENO	Max	0.045219	-7.668E-06	-0.048789	-2.039E-06	-0.000521
23	SLV-DRENO	Min	0.045219	-7.668E-06	-0.048789	-2.039E-06	-0.000521
23	SLE-CALOTTA	Max	0.010262	-0.000014	-0.019013	-3.968E-06	-0.000505
23	SLE-CALOTTA	Min	0.010262	-0.000014	-0.019013	-3.968E-06	-0.000505
23	SLU-CALOTTA	Max	0.013337	-3.610E-06	-0.024717	-1.032E-06	-0.000656
23	SLU-CALOTTA	Min	0.013337	-3.610E-06	-0.024717	-1.032E-06	-0.000656
23	SLV-CALOTTA	Max	0.051057	-0.000031	-0.011051	-6.632E-06	-0.001268
23	SLV-CALOTTA	Min	0.051057	-0.000031	-0.011051	-6.632E-06	-0.001268

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
24	SLE-DRENO	Max	0.010959	-0.000033	-0.036558	-8.557E-06	-0.000378
24	SLE-DRENO	Min	0.010959	-0.000033	-0.036558	-8.557E-06	-0.000378
24	SLU-DRENO	Max	0.014243	-7.111E-06	-0.047525	-1.852E-06	-0.000492
24	SLU-DRENO	Min	0.014243	-7.111E-06	-0.047525	-1.852E-06	-0.000492
24	SLV-DRENO	Max	0.04546	-8.585E-06	-0.048768	-2.039E-06	-0.000559
24	SLV-DRENO	Min	0.04546	-8.585E-06	-0.048768	-2.039E-06	-0.000559
24	SLE-CALOTTA	Max	0.010482	-0.000016	-0.018996	-3.968E-06	-0.000465
24	SLE-CALOTTA	Min	0.010482	-0.000016	-0.018996	-3.968E-06	-0.000465
24	SLU-CALOTTA	Max	0.013623	-4.074E-06	-0.024695	-1.032E-06	-0.000604
24	SLU-CALOTTA	Min	0.013623	-4.074E-06	-0.024695	-1.032E-06	-0.000604
24	SLV-CALOTTA	Max	0.051648	-0.000034	-0.011027	-6.632E-06	-0.00134
24	SLV-CALOTTA	Min	0.051648	-0.000034	-0.011027	-6.632E-06	-0.00134
25	SLE-DRENO	Max	0.011116	-0.000037	-0.036546	-8.557E-06	-0.000329
25	SLE-DRENO	Min	0.011116	-0.000037	-0.036546	-8.557E-06	-0.000329
25	SLU-DRENO	Max	0.014447	-7.929E-06	-0.047508	-1.852E-06	-0.000428
25	SLU-DRENO	Min	0.014447	-7.929E-06	-0.047508	-1.852E-06	-0.000428
25	SLV-DRENO	Max	0.045716	-9.486E-06	-0.048753	-2.039E-06	-0.000597
25	SLV-DRENO	Min	0.045716	-9.486E-06	-0.048753	-2.039E-06	-0.000597
25	SLE-CALOTTA	Max	0.010681	-0.000017	-0.018984	-3.968E-06	-0.000421
25	SLE-CALOTTA	Min	0.010681	-0.000017	-0.018984	-3.968E-06	-0.000421
25	SLU-CALOTTA	Max	0.013882	-4.530E-06	-0.024679	-1.032E-06	-0.000547
25	SLU-CALOTTA	Min	0.013882	-4.530E-06	-0.024679	-1.032E-06	-0.000547
25	SLV-CALOTTA	Max	0.052261	-0.000037	-0.011018	-6.632E-06	-0.001401
25	SLV-CALOTTA	Min	0.052261	-0.000037	-0.011018	-6.632E-06	-0.001401
26	SLE-DRENO	Max	0.011254	-0.00004	-0.036536	-8.557E-06	-0.000279
26	SLE-DRENO	Min	0.011254	-0.00004	-0.036536	-8.557E-06	-0.000279
26	SLU-DRENO	Max	0.014626	-8.752E-06	-0.047496	-1.852E-06	-0.000363
26	SLU-DRENO	Min	0.014626	-8.752E-06	-0.047496	-1.852E-06	-0.000363
26	SLV-DRENO	Max	0.045992	-0.00001	-0.048745	-2.039E-06	-0.000628
26	SLV-DRENO	Min	0.045992	-0.00001	-0.048745	-2.039E-06	-0.000628
26	SLE-CALOTTA	Max	0.010862	-0.000019	-0.018976	-3.968E-06	-0.000372
26	SLE-CALOTTA	Min	0.010862	-0.000019	-0.018976	-3.968E-06	-0.000372
26	SLU-CALOTTA	Max	0.014118	-4.989E-06	-0.024669	-1.032E-06	-0.000483
26	SLU-CALOTTA	Min	0.014118	-4.989E-06	-0.024669	-1.032E-06	-0.000483
26	SLV-CALOTTA	Max	0.0529	-0.00004	-0.011025	-6.632E-06	-0.001442
26	SLV-CALOTTA	Min	0.0529	-0.00004	-0.011025	-6.632E-06	-0.001442
27	SLE-DRENO	Max	0.011371	-0.000044	-0.03653	-8.557E-06	-0.000229
27	SLE-DRENO	Min	0.011371	-0.000044	-0.03653	-8.557E-06	-0.000229
27	SLU-DRENO	Max	0.014779	-9.576E-06	-0.047487	-1.852E-06	-0.000298
27	SLU-DRENO	Min	0.014779	-9.576E-06	-0.047487	-1.852E-06	-0.000298
27	SLV-DRENO	Max	0.046281	-0.000011	-0.048745	-2.039E-06	-0.000646
27	SLV-DRENO	Min	0.046281	-0.000011	-0.048745	-2.039E-06	-0.000646
27	SLE-CALOTTA	Max	0.011023	-0.000021	-0.018972	-3.968E-06	-0.000317
27	SLE-CALOTTA	Min	0.011023	-0.000021	-0.018972	-3.968E-06	-0.000317
27	SLU-CALOTTA	Max	0.014326	-5.448E-06	-0.024663	-1.032E-06	-0.000412
27	SLU-CALOTTA	Min	0.014326	-5.448E-06	-0.024663	-1.032E-06	-0.000412
27	SLV-CALOTTA	Max	0.053556	-0.000043	-0.011048	-6.632E-06	-0.001457
27	SLV-CALOTTA	Min	0.053556	-0.000043	-0.011048	-6.632E-06	-0.001457
28	SLE-DRENO	Max	0.011469	-0.000048	-0.036524	-8.557E-06	-0.000182
28	SLE-DRENO	Min	0.011469	-0.000048	-0.036524	-8.557E-06	-0.000182
28	SLU-DRENO	Max	0.014906	-0.00001	-0.047481	-1.852E-06	-0.000236
28	SLU-DRENO	Min	0.014906	-0.00001	-0.047481	-1.852E-06	-0.000236
28	SLV-DRENO	Max	0.046578	-0.000012	-0.048753	-2.039E-06	-0.000649
28	SLV-DRENO	Min	0.046578	-0.000012	-0.048753	-2.039E-06	-0.000649
28	SLE-CALOTTA	Max	0.011161	-0.000023	-0.01897	-3.968E-06	-0.000261
28	SLE-CALOTTA	Min	0.011161	-0.000023	-0.01897	-3.968E-06	-0.000261
28	SLU-CALOTTA	Max	0.014506	-5.909E-06	-0.024661	-1.032E-06	-0.000339
28	SLU-CALOTTA	Min	0.014506	-5.909E-06	-0.024661	-1.032E-06	-0.000339
28	SLV-CALOTTA	Max	0.054214	-0.000046	-0.011087	-6.632E-06	-0.001447

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
28	SLV-CALOTTA	Min	0.054214	-0.000046	-0.011087	-6.632E-06	-0.001447
29	SLE-DRENO	Max	0.01153	-0.000051	-0.036522	-8.557E-06	-0.00015
29	SLE-DRENO	Min	0.01153	-0.000051	-0.036522	-8.557E-06	-0.00015
29	SLU-DRENO	Max	0.014985	-0.000011	-0.047477	-1.852E-06	-0.000195
29	SLU-DRENO	Min	0.014985	-0.000011	-0.047477	-1.852E-06	-0.000195
29	SLV-DRENO	Max	0.046799	-0.000013	-0.048765	-2.039E-06	-0.000643
29	SLV-DRENO	Min	0.046799	-0.000013	-0.048765	-2.039E-06	-0.000643
29	SLE-CALOTTA	Max	0.011249	-0.000024	-0.01897	-3.968E-06	-0.000222
29	SLE-CALOTTA	Min	0.011249	-0.000024	-0.01897	-3.968E-06	-0.000222
29	SLU-CALOTTA	Max	0.01462	-6.253E-06	-0.024661	-1.032E-06	-0.000289
29	SLU-CALOTTA	Min	0.01462	-6.253E-06	-0.024661	-1.032E-06	-0.000289
29	SLV-CALOTTA	Max	0.0547	-0.000048	-0.011126	-6.632E-06	-0.001428
29	SLV-CALOTTA	Min	0.0547	-0.000048	-0.011126	-6.632E-06	-0.001428
30	SLE-DRENO	Max	0.011581	-0.000054	-0.036519	-8.557E-06	-0.000121
30	SLE-DRENO	Min	0.011581	-0.000054	-0.036519	-8.557E-06	-0.000121
30	SLU-DRENO	Max	0.015052	-0.000012	-0.047474	-1.852E-06	-0.000157
30	SLU-DRENO	Min	0.015052	-0.000012	-0.047474	-1.852E-06	-0.000157
30	SLV-DRENO	Max	0.047018	-0.000014	-0.04878	-2.039E-06	-0.000632
30	SLV-DRENO	Min	0.047018	-0.000014	-0.04878	-2.039E-06	-0.000632
30	SLE-CALOTTA	Max	0.011325	-0.000025	-0.01897	-3.968E-06	-0.000186
30	SLE-CALOTTA	Min	0.011325	-0.000025	-0.01897	-3.968E-06	-0.000186
30	SLU-CALOTTA	Max	0.014719	-6.598E-06	-0.024661	-1.032E-06	-0.000242
30	SLU-CALOTTA	Min	0.014719	-6.598E-06	-0.024661	-1.032E-06	-0.000242
30	SLV-CALOTTA	Max	0.055179	-0.00005	-0.011174	-6.632E-06	-0.001402
30	SLV-CALOTTA	Min	0.055179	-0.00005	-0.011174	-6.632E-06	-0.001402
31	SLE-DRENO	Max	0.011623	-0.000057	-0.036517	-8.557E-06	-0.000094
31	SLE-DRENO	Min	0.011623	-0.000057	-0.036517	-8.557E-06	-0.000094
31	SLU-DRENO	Max	0.015107	-0.000012	-0.047471	-1.852E-06	-0.000122
31	SLU-DRENO	Min	0.015107	-0.000012	-0.047471	-1.852E-06	-0.000122
31	SLV-DRENO	Max	0.047233	-0.000014	-0.0488	-2.039E-06	-0.000617
31	SLV-DRENO	Min	0.047233	-0.000014	-0.0488	-2.039E-06	-0.000617
31	SLE-CALOTTA	Max	0.01139	-0.000027	-0.018971	-3.968E-06	-0.000152
31	SLE-CALOTTA	Min	0.01139	-0.000027	-0.018971	-3.968E-06	-0.000152
31	SLU-CALOTTA	Max	0.014803	-6.942E-06	-0.024662	-1.032E-06	-0.000198
31	SLU-CALOTTA	Min	0.014803	-6.942E-06	-0.024662	-1.032E-06	-0.000198
31	SLV-CALOTTA	Max	0.055648	-0.000052	-0.011229	-6.632E-06	-0.001372
31	SLV-CALOTTA	Min	0.055648	-0.000052	-0.011229	-6.632E-06	-0.001372
32	SLE-DRENO	Max	0.011641	-0.000059	-0.03654	-8.557E-06	-0.000072
32	SLE-DRENO	Min	0.011641	-0.000059	-0.03654	-8.557E-06	-0.000072
32	SLU-DRENO	Max	0.015129	-0.000013	-0.047501	-1.852E-06	-0.000094
32	SLU-DRENO	Min	0.015129	-0.000013	-0.047501	-1.852E-06	-0.000094
32	SLV-DRENO	Max	0.047355	-0.000015	-0.049052	-2.039E-06	-0.000604
32	SLV-DRENO	Min	0.047355	-0.000015	-0.049052	-2.039E-06	-0.000604
32	SLE-CALOTTA	Max	0.011418	-0.000028	-0.019015	-3.968E-06	-0.000124
32	SLE-CALOTTA	Min	0.011418	-0.000028	-0.019015	-3.968E-06	-0.000124
32	SLU-CALOTTA	Max	0.01484	-7.224E-06	-0.02472	-1.032E-06	-0.000161
32	SLU-CALOTTA	Min	0.01484	-7.224E-06	-0.02472	-1.032E-06	-0.000161
32	SLV-CALOTTA	Max	0.055916	-0.000054	-0.011803	-6.632E-06	-0.001345
32	SLV-CALOTTA	Min	0.055916	-0.000054	-0.011803	-6.632E-06	-0.001345
33	SLE-DRENO	Max	0.011654	-0.000061	-0.036552	-8.557E-06	-0.000048
33	SLE-DRENO	Min	0.011654	-0.000061	-0.036552	-8.557E-06	-0.000048
33	SLU-DRENO	Max	0.015147	-0.000013	-0.047516	-1.852E-06	-0.000063
33	SLU-DRENO	Min	0.015147	-0.000013	-0.047516	-1.852E-06	-0.000063
33	SLV-DRENO	Max	0.047476	-0.000015	-0.049298	-2.039E-06	-0.000594
33	SLV-DRENO	Min	0.047476	-0.000015	-0.049298	-2.039E-06	-0.000594
33	SLE-CALOTTA	Max	0.011442	-0.000029	-0.019045	-3.968E-06	-0.000092
33	SLE-CALOTTA	Min	0.011442	-0.000029	-0.019045	-3.968E-06	-0.000092
33	SLU-CALOTTA	Max	0.014871	-7.506E-06	-0.024759	-1.032E-06	-0.000119
33	SLU-CALOTTA	Min	0.014871	-7.506E-06	-0.024759	-1.032E-06	-0.000119

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
33	SLV-CALOTTA	Max	0.05618	-0.000056	-0.012364	-6.632E-06	-0.001315
33	SLV-CALOTTA	Min	0.05618	-0.000056	-0.012364	-6.632E-06	-0.001315
34	SLE-DRENO	Max	0.011664	-0.000064	-0.036548	-8.557E-06	-0.000016
34	SLE-DRENO	Min	0.011664	-0.000064	-0.036548	-8.557E-06	-0.000016
34	SLU-DRENO	Max	0.01516	-0.000014	-0.047512	-1.852E-06	-0.00002
34	SLU-DRENO	Min	0.01516	-0.000014	-0.047512	-1.852E-06	-0.00002
34	SLV-DRENO	Max	0.047599	-0.000016	-0.04954	-2.039E-06	-0.000591
34	SLV-DRENO	Min	0.047599	-0.000016	-0.04954	-2.039E-06	-0.000591
34	SLE-CALOTTA	Max	0.01146	-0.00003	-0.019054	-3.968E-06	-0.000044
34	SLE-CALOTTA	Min	0.01146	-0.00003	-0.019054	-3.968E-06	-0.000044
34	SLU-CALOTTA	Max	0.014894	-7.788E-06	-0.02477	-1.032E-06	-0.000057
34	SLU-CALOTTA	Min	0.014894	-7.788E-06	-0.02477	-1.032E-06	-0.000057
34	SLV-CALOTTA	Max	0.05644	-0.000057	-0.012906	-6.632E-06	-0.001269
34	SLV-CALOTTA	Min	0.05644	-0.000057	-0.012906	-6.632E-06	-0.001269
35	SLE-DRENO	Max	0.011671	-0.000066	-0.036537	-8.557E-06	-3.518E-06
35	SLE-DRENO	Min	0.011671	-0.000066	-0.036537	-8.557E-06	-3.518E-06
35	SLU-DRENO	Max	0.015168	-0.000014	-0.047497	-1.852E-06	-4.502E-06
35	SLU-DRENO	Min	0.015168	-0.000014	-0.047497	-1.852E-06	-4.502E-06
35	SLV-DRENO	Max	0.047719	-0.000016	-0.049789	-2.039E-06	-0.000604
35	SLV-DRENO	Min	0.047719	-0.000016	-0.049789	-2.039E-06	-0.000604
35	SLE-CALOTTA	Max	0.011472	-0.000031	-0.01905	-3.968E-06	-0.00002
35	SLE-CALOTTA	Min	0.011472	-0.000031	-0.01905	-3.968E-06	-0.00002
35	SLU-CALOTTA	Max	0.01491	-8.062E-06	-0.024764	-1.032E-06	-0.000026
35	SLU-CALOTTA	Min	0.01491	-8.062E-06	-0.024764	-1.032E-06	-0.000026
35	SLV-CALOTTA	Max	0.056685	-0.000059	-0.01344	-6.632E-06	-0.001243
35	SLV-CALOTTA	Min	0.056685	-0.000059	-0.01344	-6.632E-06	-0.001243
36	SLE-DRENO	Max	0.011678	-0.000068	-0.036526	-8.557E-06	-9.982E-06
36	SLE-DRENO	Min	0.011678	-0.000068	-0.036526	-8.557E-06	-9.982E-06
36	SLU-DRENO	Max	0.015177	-0.000015	-0.047482	-1.852E-06	-0.000013
36	SLU-DRENO	Min	0.015177	-0.000015	-0.047482	-1.852E-06	-0.000013
36	SLV-DRENO	Max	0.047834	-0.000017	-0.050052	-2.039E-06	-0.000628
36	SLV-DRENO	Min	0.047834	-0.000017	-0.050052	-2.039E-06	-0.000628
36	SLE-CALOTTA	Max	0.011482	-0.000032	-0.019041	-3.968E-06	-0.000018
36	SLE-CALOTTA	Min	0.011482	-0.000032	-0.019041	-3.968E-06	-0.000018
36	SLU-CALOTTA	Max	0.014923	-8.320E-06	-0.024753	-1.032E-06	-0.000024
36	SLU-CALOTTA	Min	0.014923	-8.320E-06	-0.024753	-1.032E-06	-0.000024
36	SLV-CALOTTA	Max	0.056907	-0.00006	-0.013977	-6.632E-06	-0.001234
36	SLV-CALOTTA	Min	0.056907	-0.00006	-0.013977	-6.632E-06	-0.001234
37	SLE-DRENO	Max	0.011687	-0.00007	-0.036522	-8.557E-06	-0.000033
37	SLE-DRENO	Min	0.011687	-0.00007	-0.036522	-8.557E-06	-0.000033
37	SLU-DRENO	Max	0.01519	-0.000015	-0.047478	-1.852E-06	-0.000043
37	SLU-DRENO	Min	0.01519	-0.000015	-0.047478	-1.852E-06	-0.000043
37	SLV-DRENO	Max	0.047944	-0.000017	-0.050334	-2.039E-06	-0.000662
37	SLV-DRENO	Min	0.047944	-0.000017	-0.050334	-2.039E-06	-0.000662
37	SLE-CALOTTA	Max	0.011494	-0.000033	-0.019039	-3.968E-06	-0.000036
37	SLE-CALOTTA	Min	0.011494	-0.000033	-0.019039	-3.968E-06	-0.000036
37	SLU-CALOTTA	Max	0.014939	-8.562E-06	-0.02475	-1.032E-06	-0.000047
37	SLU-CALOTTA	Min	0.014939	-8.562E-06	-0.02475	-1.032E-06	-0.000047
37	SLV-CALOTTA	Max	0.057108	-0.000062	-0.014523	-6.632E-06	-0.00124
37	SLV-CALOTTA	Min	0.057108	-0.000062	-0.014523	-6.632E-06	-0.00124
38	SLE-DRENO	Max	0.011702	-0.000072	-0.036535	-8.557E-06	-0.000071
38	SLE-DRENO	Min	0.011702	-0.000072	-0.036535	-8.557E-06	-0.000071
38	SLU-DRENO	Max	0.015209	-0.000016	-0.047494	-1.852E-06	-0.000092
38	SLU-DRENO	Min	0.015209	-0.000016	-0.047494	-1.852E-06	-0.000092
38	SLV-DRENO	Max	0.048048	-0.000018	-0.050639	-2.039E-06	-0.000703
38	SLV-DRENO	Min	0.048048	-0.000018	-0.050639	-2.039E-06	-0.000703
38	SLE-CALOTTA	Max	0.01151	-0.000034	-0.01905	-3.968E-06	-0.000071
38	SLE-CALOTTA	Min	0.01151	-0.000034	-0.01905	-3.968E-06	-0.000071
38	SLU-CALOTTA	Max	0.01496	-8.787E-06	-0.024764	-1.032E-06	-0.000092

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
38	SLU-CALOTTA	Min	0.01496	-8.787E-06	-0.024764	-1.032E-06	-0.000092
38	SLV-CALOTTA	Max	0.05729	-0.000063	-0.015083	-6.632E-06	-0.001258
38	SLV-CALOTTA	Min	0.05729	-0.000063	-0.015083	-6.632E-06	-0.001258
39	SLE-DRENO	Max	0.011721	-0.000074	-0.036569	-8.557E-06	-0.000121
39	SLE-DRENO	Min	0.011721	-0.000074	-0.036569	-8.557E-06	-0.000121
39	SLU-DRENO	Max	0.015233	-0.000016	-0.047539	-1.852E-06	-0.000158
39	SLU-DRENO	Min	0.015233	-0.000016	-0.047539	-1.852E-06	-0.000158
39	SLV-DRENO	Max	0.048146	-0.000018	-0.050969	-2.039E-06	-0.000748
39	SLV-DRENO	Min	0.048146	-0.000018	-0.050969	-2.039E-06	-0.000748
39	SLE-CALOTTA	Max	0.011531	-0.000035	-0.019082	-3.968E-06	-0.000121
39	SLE-CALOTTA	Min	0.011531	-0.000035	-0.019082	-3.968E-06	-0.000121
39	SLU-CALOTTA	Max	0.014987	-8.995E-06	-0.024806	-1.032E-06	-0.000157
39	SLU-CALOTTA	Min	0.014987	-8.995E-06	-0.024806	-1.032E-06	-0.000157
39	SLV-CALOTTA	Max	0.057454	-0.000064	-0.015661	-6.632E-06	-0.001285
39	SLV-CALOTTA	Min	0.057454	-0.000064	-0.015661	-6.632E-06	-0.001285
40	SLE-DRENO	Max	0.011744	-0.000075	-0.036632	-8.557E-06	-0.000183
40	SLE-DRENO	Min	0.011744	-0.000075	-0.036632	-8.557E-06	-0.000183
40	SLU-DRENO	Max	0.015264	-0.000016	-0.04762	-1.852E-06	-0.000237
40	SLU-DRENO	Min	0.015264	-0.000016	-0.04762	-1.852E-06	-0.000237
40	SLV-DRENO	Max	0.048236	-0.000019	-0.051325	-2.039E-06	-0.000796
40	SLV-DRENO	Min	0.048236	-0.000019	-0.051325	-2.039E-06	-0.000796
40	SLE-CALOTTA	Max	0.011557	-0.000035	-0.019143	-3.968E-06	-0.000183
40	SLE-CALOTTA	Min	0.011557	-0.000035	-0.019143	-3.968E-06	-0.000183
40	SLU-CALOTTA	Max	0.015021	-9.185E-06	-0.024886	-1.032E-06	-0.000238
40	SLU-CALOTTA	Min	0.015021	-9.185E-06	-0.024886	-1.032E-06	-0.000238
40	SLV-CALOTTA	Max	0.057599	-0.000065	-0.016261	-6.632E-06	-0.00132
40	SLV-CALOTTA	Min	0.057599	-0.000065	-0.016261	-6.632E-06	-0.00132
41	SLE-DRENO	Max	0.011771	-0.000077	-0.036728	-8.557E-06	-0.000253
41	SLE-DRENO	Min	0.011771	-0.000077	-0.036728	-8.557E-06	-0.000253
41	SLU-DRENO	Max	0.015299	-0.000017	-0.047745	-1.852E-06	-0.000328
41	SLU-DRENO	Min	0.015299	-0.000017	-0.047745	-1.852E-06	-0.000328
41	SLV-DRENO	Max	0.048317	-0.000019	-0.051708	-2.039E-06	-0.000845
41	SLV-DRENO	Min	0.048317	-0.000019	-0.051708	-2.039E-06	-0.000845
41	SLE-CALOTTA	Max	0.011586	-0.000036	-0.019239	-3.968E-06	-0.000256
41	SLE-CALOTTA	Min	0.011586	-0.000036	-0.019239	-3.968E-06	-0.000256
41	SLU-CALOTTA	Max	0.015058	-9.358E-06	-0.02501	-1.032E-06	-0.000333
41	SLU-CALOTTA	Min	0.015058	-9.358E-06	-0.02501	-1.032E-06	-0.000333
41	SLV-CALOTTA	Max	0.057725	-0.000066	-0.016886	-6.632E-06	-0.001359
41	SLV-CALOTTA	Min	0.057725	-0.000066	-0.016886	-6.632E-06	-0.001359
42	SLE-DRENO	Max	0.011799	-0.000078	-0.03686	-8.557E-06	-0.000329
42	SLE-DRENO	Min	0.011799	-0.000078	-0.03686	-8.557E-06	-0.000329
42	SLU-DRENO	Max	0.015335	-0.000017	-0.047917	-1.852E-06	-0.000428
42	SLU-DRENO	Min	0.015335	-0.000017	-0.047917	-1.852E-06	-0.000428
42	SLV-DRENO	Max	0.048387	-0.000019	-0.052118	-2.039E-06	-0.000892
42	SLV-DRENO	Min	0.048387	-0.000019	-0.052118	-2.039E-06	-0.000892
42	SLE-CALOTTA	Max	0.011616	-0.000037	-0.019373	-3.968E-06	-0.000337
42	SLE-CALOTTA	Min	0.011616	-0.000037	-0.019373	-3.968E-06	-0.000337
42	SLU-CALOTTA	Max	0.015097	-9.513E-06	-0.025184	-1.032E-06	-0.000438
42	SLU-CALOTTA	Min	0.015097	-9.513E-06	-0.025184	-1.032E-06	-0.000438
42	SLV-CALOTTA	Max	0.057829	-0.000067	-0.017535	-6.632E-06	-0.001401
42	SLV-CALOTTA	Min	0.057829	-0.000067	-0.017535	-6.632E-06	-0.001401
43	SLE-DRENO	Max	0.011826	-0.000079	-0.037033	-8.557E-06	-0.00041
43	SLE-DRENO	Min	0.011826	-0.000079	-0.037033	-8.557E-06	-0.00041
43	SLU-DRENO	Max	0.01537	-0.000017	-0.048141	-1.852E-06	-0.000533
43	SLU-DRENO	Min	0.01537	-0.000017	-0.048141	-1.852E-06	-0.000533
43	SLV-DRENO	Max	0.048443	-0.000019	-0.052553	-2.039E-06	-0.000936
43	SLV-DRENO	Min	0.048443	-0.000019	-0.052553	-2.039E-06	-0.000936
43	SLE-CALOTTA	Max	0.011645	-0.000037	-0.019549	-3.968E-06	-0.000423
43	SLE-CALOTTA	Min	0.011645	-0.000037	-0.019549	-3.968E-06	-0.000423

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
43	SLU-CALOTTA	Max	0.015135	-9.649E-06	-0.025413	-1.032E-06	-0.00055
43	SLU-CALOTTA	Min	0.015135	-9.649E-06	-0.025413	-1.032E-06	-0.00055
43	SLV-CALOTTA	Max	0.057911	-0.000068	-0.018209	-6.632E-06	-0.001444
43	SLV-CALOTTA	Min	0.057911	-0.000068	-0.018209	-6.632E-06	-0.001444
44	SLE-DRENO	Max	0.011848	-0.00008	-0.037247	-8.557E-06	-0.000494
44	SLE-DRENO	Min	0.011848	-0.00008	-0.037247	-8.557E-06	-0.000494
44	SLU-DRENO	Max	0.015399	-0.000017	-0.048419	-1.852E-06	-0.000642
44	SLU-DRENO	Min	0.015399	-0.000017	-0.048419	-1.852E-06	-0.000642
44	SLV-DRENO	Max	0.048484	-0.00002	-0.053011	-2.039E-06	-0.000977
44	SLV-DRENO	Min	0.048484	-0.00002	-0.053011	-2.039E-06	-0.000977
44	SLE-CALOTTA	Max	0.01167	-0.000038	-0.01977	-3.968E-06	-0.000513
44	SLE-CALOTTA	Min	0.01167	-0.000038	-0.01977	-3.968E-06	-0.000513
44	SLU-CALOTTA	Max	0.015167	-9.767E-06	-0.0257	-1.032E-06	-0.000666
44	SLU-CALOTTA	Min	0.015167	-9.767E-06	-0.0257	-1.032E-06	-0.000666
44	SLV-CALOTTA	Max	0.057968	-0.000069	-0.018908	-6.632E-06	-0.001486
44	SLV-CALOTTA	Min	0.057968	-0.000069	-0.018908	-6.632E-06	-0.001486
45	SLE-DRENO	Max	0.011863	-0.000081	-0.037502	-8.557E-06	-0.000578
45	SLE-DRENO	Min	0.011863	-0.000081	-0.037502	-8.557E-06	-0.000578
45	SLU-DRENO	Max	0.015418	-0.000018	-0.048752	-1.852E-06	-0.000751
45	SLU-DRENO	Min	0.015418	-0.000018	-0.048752	-1.852E-06	-0.000751
45	SLV-DRENO	Max	0.048508	-0.00002	-0.053489	-2.039E-06	-0.001011
45	SLV-DRENO	Min	0.048508	-0.00002	-0.053489	-2.039E-06	-0.001011
45	SLE-CALOTTA	Max	0.011687	-0.000038	-0.020036	-3.968E-06	-0.000603
45	SLE-CALOTTA	Min	0.011687	-0.000038	-0.020036	-3.968E-06	-0.000603
45	SLU-CALOTTA	Max	0.01519	-9.867E-06	-0.026046	-1.032E-06	-0.000784
45	SLU-CALOTTA	Min	0.01519	-9.867E-06	-0.026046	-1.032E-06	-0.000784
45	SLV-CALOTTA	Max	0.057998	-0.000069	-0.019628	-6.632E-06	-0.001524
45	SLV-CALOTTA	Min	0.057998	-0.000069	-0.019628	-6.632E-06	-0.001524
46	SLE-DRENO	Max	0.006785	0.000012	-0.042022	-8.557E-06	-0.000577
46	SLE-DRENO	Min	0.006785	0.000012	-0.042022	-8.557E-06	-0.000577
46	SLU-DRENO	Max	0.008818	2.603E-06	-0.054627	-1.852E-06	-0.000751
46	SLU-DRENO	Min	0.008818	2.603E-06	-0.054627	-1.852E-06	-0.000751
46	SLV-DRENO	Max	0.041617	2.323E-06	-0.055089	-2.039E-06	-0.00108
46	SLV-DRENO	Min	0.041617	2.323E-06	-0.055089	-2.039E-06	-0.00108
46	SLE-CALOTTA	Max	0.006156	5.302E-06	-0.024485	-3.968E-06	-0.00061
46	SLE-CALOTTA	Min	0.006156	5.302E-06	-0.024485	-3.968E-06	-0.00061
46	SLU-CALOTTA	Max	0.008	1.380E-06	-0.031829	-1.032E-06	-0.000793
46	SLU-CALOTTA	Min	0.008	1.380E-06	-0.031829	-1.032E-06	-0.000793
46	SLV-CALOTTA	Max	0.044116	3.377E-06	-0.020625	-6.632E-06	-0.001595
46	SLV-CALOTTA	Min	0.044116	3.377E-06	-0.020625	-6.632E-06	-0.001595
47	SLE-DRENO	Max	0.006825	0.000011	-0.042292	-8.557E-06	-0.000524
47	SLE-DRENO	Min	0.006825	0.000011	-0.042292	-8.557E-06	-0.000524
47	SLU-DRENO	Max	0.008869	2.330E-06	-0.054978	-1.852E-06	-0.000681
47	SLU-DRENO	Min	0.008869	2.330E-06	-0.054978	-1.852E-06	-0.000681
47	SLV-DRENO	Max	0.041689	2.037E-06	-0.055618	-2.039E-06	-0.001063
47	SLV-DRENO	Min	0.041689	2.037E-06	-0.055618	-2.039E-06	-0.001063
47	SLE-CALOTTA	Max	0.006198	4.726E-06	-0.024773	-3.968E-06	-0.000565
47	SLE-CALOTTA	Min	0.006198	4.726E-06	-0.024773	-3.968E-06	-0.000565
47	SLU-CALOTTA	Max	0.008055	1.230E-06	-0.032204	-1.032E-06	-0.000735
47	SLU-CALOTTA	Min	0.008055	1.230E-06	-0.032204	-1.032E-06	-0.000735
47	SLV-CALOTTA	Max	0.044219	2.573E-06	-0.021413	-6.632E-06	-0.001605
47	SLV-CALOTTA	Min	0.044219	2.573E-06	-0.021413	-6.632E-06	-0.001605
48	SLE-DRENO	Max	0.006879	9.223E-06	-0.042532	-8.557E-06	-0.000468
48	SLE-DRENO	Min	0.006879	9.223E-06	-0.042532	-8.557E-06	-0.000468
48	SLU-DRENO	Max	0.00894	1.991E-06	-0.055289	-1.852E-06	-0.000609
48	SLU-DRENO	Min	0.00894	1.991E-06	-0.055289	-1.852E-06	-0.000609
48	SLV-DRENO	Max	0.041799	1.679E-06	-0.05613	-2.039E-06	-0.001036
48	SLV-DRENO	Min	0.041799	1.679E-06	-0.05613	-2.039E-06	-0.001036
48	SLE-CALOTTA	Max	0.006258	4.010E-06	-0.025035	-3.968E-06	-0.000518

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
48	SLE-CALOTTA	Min	0.006258	4.010E-06	-0.025035	-3.968E-06	-0.000518
48	SLU-CALOTTA	Max	0.008132	1.044E-06	-0.032544	-1.032E-06	-0.000674
48	SLU-CALOTTA	Min	0.008132	1.044E-06	-0.032544	-1.032E-06	-0.000674
48	SLV-CALOTTA	Max	0.044381	1.532E-06	-0.022194	-6.632E-06	-0.001608
48	SLV-CALOTTA	Min	0.044381	1.532E-06	-0.022194	-6.632E-06	-0.001608
49	SLE-DRENO	Max	0.006945	7.361E-06	-0.042739	-8.557E-06	-0.000412
49	SLE-DRENO	Min	0.006945	7.361E-06	-0.042739	-8.557E-06	-0.000412
49	SLU-DRENO	Max	0.009025	1.588E-06	-0.055559	-1.852E-06	-0.000536
49	SLU-DRENO	Min	0.009025	1.588E-06	-0.055559	-1.852E-06	-0.000536
49	SLV-DRENO	Max	0.041943	1.249E-06	-0.056617	-2.039E-06	-0.001
49	SLV-DRENO	Min	0.041943	1.249E-06	-0.056617	-2.039E-06	-0.001
49	SLE-CALOTTA	Max	0.006331	3.157E-06	-0.025268	-3.968E-06	-0.00047
49	SLE-CALOTTA	Min	0.006331	3.157E-06	-0.025268	-3.968E-06	-0.00047
49	SLU-CALOTTA	Max	0.008227	8.219E-07	-0.032848	-1.032E-06	-0.000611
49	SLU-CALOTTA	Min	0.008227	8.219E-07	-0.032848	-1.032E-06	-0.000611
49	SLV-CALOTTA	Max	0.044601	2.593E-07	-0.02296	-6.632E-06	-0.001601
49	SLV-CALOTTA	Min	0.044601	2.593E-07	-0.02296	-6.632E-06	-0.001601
50	SLE-DRENO	Max	0.007016	5.214E-06	-0.042915	-8.557E-06	-0.000357
50	SLE-DRENO	Min	0.007016	5.214E-06	-0.042915	-8.557E-06	-0.000357
50	SLU-DRENO	Max	0.009118	1.123E-06	-0.055787	-1.852E-06	-0.000464
50	SLU-DRENO	Min	0.009118	1.123E-06	-0.055787	-1.852E-06	-0.000464
50	SLV-DRENO	Max	0.042116	7.523E-07	-0.057072	-2.039E-06	-0.000954
50	SLV-DRENO	Min	0.042116	7.523E-07	-0.057072	-2.039E-06	-0.000954
50	SLE-CALOTTA	Max	0.006413	2.172E-06	-0.025473	-3.968E-06	-0.000422
50	SLE-CALOTTA	Min	0.006413	2.172E-06	-0.025473	-3.968E-06	-0.000422
50	SLU-CALOTTA	Max	0.008334	5.656E-07	-0.033113	-1.032E-06	-0.000548
50	SLU-CALOTTA	Min	0.008334	5.656E-07	-0.033113	-1.032E-06	-0.000548
50	SLV-CALOTTA	Max	0.044876	-1.238E-06	-0.023702	-6.632E-06	-0.001586
50	SLV-CALOTTA	Min	0.044876	-1.238E-06	-0.023702	-6.632E-06	-0.001586
51	SLE-DRENO	Max	0.00709	2.796E-06	-0.043059	-8.557E-06	-0.000304
51	SLE-DRENO	Min	0.00709	2.796E-06	-0.043059	-8.557E-06	-0.000304
51	SLU-DRENO	Max	0.009214	6.003E-07	-0.055975	-1.852E-06	-0.000394
51	SLU-DRENO	Min	0.009214	6.003E-07	-0.055975	-1.852E-06	-0.000394
51	SLV-DRENO	Max	0.042313	1.898E-07	-0.05749	-2.039E-06	-0.000899
51	SLV-DRENO	Min	0.042313	1.898E-07	-0.05749	-2.039E-06	-0.000899
51	SLE-CALOTTA	Max	0.006501	1.060E-06	-0.025648	-3.968E-06	-0.000374
51	SLE-CALOTTA	Min	0.006501	1.060E-06	-0.025648	-3.968E-06	-0.000374
51	SLU-CALOTTA	Max	0.008448	2.764E-07	-0.033341	-1.032E-06	-0.000486
51	SLU-CALOTTA	Min	0.008448	2.764E-07	-0.033341	-1.032E-06	-0.000486
51	SLV-CALOTTA	Max	0.045201	-2.950E-06	-0.024413	-6.632E-06	-0.001561
51	SLV-CALOTTA	Min	0.045201	-2.950E-06	-0.024413	-6.632E-06	-0.001561
52	SLE-DRENO	Max	0.007162	1.183E-07	-0.043174	-8.557E-06	-0.000253
52	SLE-DRENO	Min	0.007162	1.183E-07	-0.043174	-8.557E-06	-0.000253
52	SLU-DRENO	Max	0.009307	2.106E-08	-0.056124	-1.852E-06	-0.000329
52	SLU-DRENO	Min	0.009307	2.106E-08	-0.056124	-1.852E-06	-0.000329
52	SLV-DRENO	Max	0.042526	-4.347E-07	-0.057866	-2.039E-06	-0.000837
52	SLV-DRENO	Min	0.042526	-4.347E-07	-0.057866	-2.039E-06	-0.000837
52	SLE-CALOTTA	Max	0.00659	-1.717E-07	-0.025795	-3.968E-06	-0.000328
52	SLE-CALOTTA	Min	0.00659	-1.717E-07	-0.025795	-3.968E-06	-0.000328
52	SLU-CALOTTA	Max	0.008565	-4.420E-08	-0.033532	-1.032E-06	-0.000426
52	SLU-CALOTTA	Min	0.008565	-4.420E-08	-0.033532	-1.032E-06	-0.000426
52	SLV-CALOTTA	Max	0.045572	-4.869E-06	-0.025084	-6.632E-06	-0.001526
52	SLV-CALOTTA	Min	0.045572	-4.869E-06	-0.025084	-6.632E-06	-0.001526
53	SLE-DRENO	Max	0.007222	-2.482E-06	-0.043257	-8.557E-06	-0.000211
53	SLE-DRENO	Min	0.007222	-2.482E-06	-0.043257	-8.557E-06	-0.000211
53	SLU-DRENO	Max	0.009386	-5.414E-07	-0.056232	-1.852E-06	-0.000275
53	SLU-DRENO	Min	0.009386	-5.414E-07	-0.056232	-1.852E-06	-0.000275
53	SLV-DRENO	Max	0.042723	-1.042E-06	-0.058174	-2.039E-06	-0.000774
53	SLV-DRENO	Min	0.042723	-1.042E-06	-0.058174	-2.039E-06	-0.000774



Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
53	SLE-CALOTTA	Max	0.006669	-1.369E-06	-0.025907	-3.968E-06	-0.000288
53	SLE-CALOTTA	Min	0.006669	-1.369E-06	-0.025907	-3.968E-06	-0.000288
53	SLU-CALOTTA	Max	0.008667	-3.557E-07	-0.033678	-1.032E-06	-0.000374
53	SLU-CALOTTA	Min	0.008667	-3.557E-07	-0.033678	-1.032E-06	-0.000374
53	SLV-CALOTTA	Max	0.045933	-6.746E-06	-0.025664	-6.632E-06	-0.001487
53	SLV-CALOTTA	Min	0.045933	-6.746E-06	-0.025664	-6.632E-06	-0.001487
54	SLE-DRENO	Max	0.007275	-5.164E-06	-0.043322	-8.557E-06	-0.000178
54	SLE-DRENO	Min	0.007275	-5.164E-06	-0.043322	-8.557E-06	-0.000178
54	SLU-DRENO	Max	0.009454	-1.122E-06	-0.056317	-1.852E-06	-0.000232
54	SLU-DRENO	Min	0.009454	-1.122E-06	-0.056317	-1.852E-06	-0.000232
54	SLV-DRENO	Max	0.042913	-1.670E-06	-0.058451	-2.039E-06	-0.000714
54	SLV-DRENO	Min	0.042913	-1.670E-06	-0.058451	-2.039E-06	-0.000714
54	SLE-CALOTTA	Max	0.006741	-2.605E-06	-0.026002	-3.968E-06	-0.000256
54	SLE-CALOTTA	Min	0.006741	-2.605E-06	-0.026002	-3.968E-06	-0.000256
54	SLU-CALOTTA	Max	0.008761	-6.772E-07	-0.033802	-1.032E-06	-0.000332
54	SLU-CALOTTA	Min	0.008761	-6.772E-07	-0.033802	-1.032E-06	-0.000332
54	SLV-CALOTTA	Max	0.046299	-8.689E-06	-0.026217	-6.632E-06	-0.001445
54	SLV-CALOTTA	Min	0.046299	-8.689E-06	-0.026217	-6.632E-06	-0.001445
55	SLE-DRENO	Max	0.007321	-7.927E-06	-0.043374	-8.557E-06	-0.000157
55	SLE-DRENO	Min	0.007321	-7.927E-06	-0.043374	-8.557E-06	-0.000157
55	SLU-DRENO	Max	0.009515	-1.720E-06	-0.056385	-1.852E-06	-0.000204
55	SLU-DRENO	Min	0.009515	-1.720E-06	-0.056385	-1.852E-06	-0.000204
55	SLV-DRENO	Max	0.043095	-2.317E-06	-0.0587	-2.039E-06	-0.00066
55	SLV-DRENO	Min	0.043095	-2.317E-06	-0.0587	-2.039E-06	-0.00066
55	SLE-CALOTTA	Max	0.006808	-3.878E-06	-0.026084	-3.968E-06	-0.000234
55	SLE-CALOTTA	Min	0.006808	-3.878E-06	-0.026084	-3.968E-06	-0.000234
55	SLU-CALOTTA	Max	0.008848	-1.008E-06	-0.033908	-1.032E-06	-0.000304
55	SLU-CALOTTA	Min	0.008848	-1.008E-06	-0.033908	-1.032E-06	-0.000304
55	SLV-CALOTTA	Max	0.046669	-0.000011	-0.026742	-6.632E-06	-0.001406
55	SLV-CALOTTA	Min	0.046669	-0.000011	-0.026742	-6.632E-06	-0.001406
56	SLE-DRENO	Max	0.007365	-0.000011	-0.043419	-8.557E-06	-0.000149
56	SLE-DRENO	Min	0.007365	-0.000011	-0.043419	-8.557E-06	-0.000149
56	SLU-DRENO	Max	0.009571	-2.334E-06	-0.056443	-1.852E-06	-0.000193
56	SLU-DRENO	Min	0.009571	-2.334E-06	-0.056443	-1.852E-06	-0.000193
56	SLV-DRENO	Max	0.043271	-2.983E-06	-0.058925	-2.039E-06	-0.000622
56	SLV-DRENO	Min	0.043271	-2.983E-06	-0.058925	-2.039E-06	-0.000622
56	SLE-CALOTTA	Max	0.006872	-5.187E-06	-0.026157	-3.968E-06	-0.000224
56	SLE-CALOTTA	Min	0.006872	-5.187E-06	-0.026157	-3.968E-06	-0.000224
56	SLU-CALOTTA	Max	0.008931	-1.349E-06	-0.034003	-1.032E-06	-0.000291
56	SLU-CALOTTA	Min	0.008931	-1.349E-06	-0.034003	-1.032E-06	-0.000291
56	SLV-CALOTTA	Max	0.047044	-0.000013	-0.027244	-6.632E-06	-0.001376
56	SLV-CALOTTA	Min	0.047044	-0.000013	-0.027244	-6.632E-06	-0.001376
57	SLE-DRENO	Max	0.007407	-0.000014	-0.043462	-8.557E-06	-0.000151
57	SLE-DRENO	Min	0.007407	-0.000014	-0.043462	-8.557E-06	-0.000151
57	SLU-DRENO	Max	0.009627	-2.965E-06	-0.056498	-1.852E-06	-0.000196
57	SLU-DRENO	Min	0.009627	-2.965E-06	-0.056498	-1.852E-06	-0.000196
57	SLV-DRENO	Max	0.043442	-3.667E-06	-0.059134	-2.039E-06	-0.000597
57	SLV-DRENO	Min	0.043442	-3.667E-06	-0.059134	-2.039E-06	-0.000597
57	SLE-CALOTTA	Max	0.006936	-6.532E-06	-0.026226	-3.968E-06	-0.000224
57	SLE-CALOTTA	Min	0.006936	-6.532E-06	-0.026226	-3.968E-06	-0.000224
57	SLU-CALOTTA	Max	0.009014	-1.699E-06	-0.034093	-1.032E-06	-0.000291
57	SLU-CALOTTA	Min	0.009014	-1.699E-06	-0.034093	-1.032E-06	-0.000291
57	SLV-CALOTTA	Max	0.047424	-0.000015	-0.027725	-6.632E-06	-0.001355
57	SLV-CALOTTA	Min	0.047424	-0.000015	-0.027725	-6.632E-06	-0.001355
58	SLE-DRENO	Max	0.007452	-0.000017	-0.043505	-8.557E-06	-0.000159
58	SLE-DRENO	Min	0.007452	-0.000017	-0.043505	-8.557E-06	-0.000159
58	SLU-DRENO	Max	0.009685	-3.612E-06	-0.056554	-1.852E-06	-0.000207
58	SLU-DRENO	Min	0.009685	-3.612E-06	-0.056554	-1.852E-06	-0.000207
58	SLV-DRENO	Max	0.043613	-4.368E-06	-0.05933	-2.039E-06	-0.000584

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
58	SLV-DRENO	Min	0.043613	-4.368E-06	-0.05933	-2.039E-06	-0.000584
58	SLE-CALOTTA	Max	0.007002	-7.911E-06	-0.026294	-3.968E-06	-0.00023
58	SLE-CALOTTA	Min	0.007002	-7.911E-06	-0.026294	-3.968E-06	-0.00023
58	SLU-CALOTTA	Max	0.009099	-2.058E-06	-0.034181	-1.032E-06	-0.000299
58	SLU-CALOTTA	Min	0.009099	-2.058E-06	-0.034181	-1.032E-06	-0.000299
58	SLV-CALOTTA	Max	0.047811	-0.000017	-0.028189	-6.632E-06	-0.001343
58	SLV-CALOTTA	Min	0.047811	-0.000017	-0.028189	-6.632E-06	-0.001343
59	SLE-DRENO	Max	0.0075	-0.00002	-0.04355	-8.557E-06	-0.000171
59	SLE-DRENO	Min	0.0075	-0.00002	-0.04355	-8.557E-06	-0.000171
59	SLU-DRENO	Max	0.009747	-4.275E-06	-0.056613	-1.852E-06	-0.000222
59	SLU-DRENO	Min	0.009747	-4.275E-06	-0.056613	-1.852E-06	-0.000222
59	SLV-DRENO	Max	0.043786	-5.087E-06	-0.059518	-2.039E-06	-0.00058
59	SLV-DRENO	Min	0.043786	-5.087E-06	-0.059518	-2.039E-06	-0.00058
59	SLE-CALOTTA	Max	0.007071	-9.323E-06	-0.026364	-3.968E-06	-0.00024
59	SLE-CALOTTA	Min	0.007071	-9.323E-06	-0.026364	-3.968E-06	-0.00024
59	SLU-CALOTTA	Max	0.009189	-2.425E-06	-0.034272	-1.032E-06	-0.000312
59	SLU-CALOTTA	Min	0.009189	-2.425E-06	-0.034272	-1.032E-06	-0.000312
59	SLV-CALOTTA	Max	0.048207	-0.000019	-0.028639	-6.632E-06	-0.001337
59	SLV-CALOTTA	Min	0.048207	-0.000019	-0.028639	-6.632E-06	-0.001337
60	SLE-DRENO	Max	0.007553	-0.000023	-0.043598	-8.557E-06	-0.000184
60	SLE-DRENO	Min	0.007553	-0.000023	-0.043598	-8.557E-06	-0.000184
60	SLU-DRENO	Max	0.009816	-4.952E-06	-0.056675	-1.852E-06	-0.000239
60	SLU-DRENO	Min	0.009816	-4.952E-06	-0.056675	-1.852E-06	-0.000239
60	SLV-DRENO	Max	0.043962	-5.823E-06	-0.059701	-2.039E-06	-0.000581
60	SLV-DRENO	Min	0.043962	-5.823E-06	-0.059701	-2.039E-06	-0.000581
60	SLE-CALOTTA	Max	0.007145	-0.000011	-0.026435	-3.968E-06	-0.000251
60	SLE-CALOTTA	Min	0.007145	-0.000011	-0.026435	-3.968E-06	-0.000251
60	SLU-CALOTTA	Max	0.009285	-2.801E-06	-0.034364	-1.032E-06	-0.000327
60	SLU-CALOTTA	Min	0.009285	-2.801E-06	-0.034364	-1.032E-06	-0.000327
60	SLV-CALOTTA	Max	0.048614	-0.000022	-0.029076	-6.632E-06	-0.001335
60	SLV-CALOTTA	Min	0.048614	-0.000022	-0.029076	-6.632E-06	-0.001335
61	SLE-DRENO	Max	0.007642	-0.000027	-0.043609	-8.557E-06	-0.000198
61	SLE-DRENO	Min	0.007642	-0.000027	-0.043609	-8.557E-06	-0.000198
61	SLU-DRENO	Max	0.009931	-5.801E-06	-0.05669	-1.852E-06	-0.000258
61	SLU-DRENO	Min	0.009931	-5.801E-06	-0.05669	-1.852E-06	-0.000258
61	SLV-DRENO	Max	0.044225	-6.755E-06	-0.05975	-2.039E-06	-0.000582
61	SLV-DRENO	Min	0.044225	-6.755E-06	-0.05975	-2.039E-06	-0.000582
61	SLE-CALOTTA	Max	0.007264	-0.000013	-0.026453	-3.968E-06	-0.000264
61	SLE-CALOTTA	Min	0.007264	-0.000013	-0.026453	-3.968E-06	-0.000264
61	SLU-CALOTTA	Max	0.00944	-3.274E-06	-0.034387	-1.032E-06	-0.000343
61	SLU-CALOTTA	Min	0.00944	-3.274E-06	-0.034387	-1.032E-06	-0.000343
61	SLV-CALOTTA	Max	0.04921	-0.000025	-0.029197	-6.632E-06	-0.001333
61	SLV-CALOTTA	Min	0.04921	-0.000025	-0.029197	-6.632E-06	-0.001333
62	SLE-DRENO	Max	0.007738	-0.000031	-0.043619	-8.557E-06	-0.000217
62	SLE-DRENO	Min	0.007738	-0.000031	-0.043619	-8.557E-06	-0.000217
62	SLU-DRENO	Max	0.010057	-6.650E-06	-0.056702	-1.852E-06	-0.000282
62	SLU-DRENO	Min	0.010057	-6.650E-06	-0.056702	-1.852E-06	-0.000282
62	SLV-DRENO	Max	0.044489	-7.687E-06	-0.05979	-2.039E-06	-0.00058
62	SLV-DRENO	Min	0.044489	-7.687E-06	-0.05979	-2.039E-06	-0.00058
62	SLE-CALOTTA	Max	0.007389	-0.000014	-0.026467	-3.968E-06	-0.00028
62	SLE-CALOTTA	Min	0.007389	-0.000014	-0.026467	-3.968E-06	-0.00028
62	SLU-CALOTTA	Max	0.009603	-3.747E-06	-0.034406	-1.032E-06	-0.000364
62	SLU-CALOTTA	Min	0.009603	-3.747E-06	-0.034406	-1.032E-06	-0.000364
62	SLV-CALOTTA	Max	0.049807	-0.000028	-0.0293	-6.632E-06	-0.001325
62	SLV-CALOTTA	Min	0.049807	-0.000028	-0.0293	-6.632E-06	-0.001325
63	SLE-DRENO	Max	0.007844	-0.000035	-0.043625	-8.557E-06	-0.000241
63	SLE-DRENO	Min	0.007844	-0.000035	-0.043625	-8.557E-06	-0.000241
63	SLU-DRENO	Max	0.010195	-7.499E-06	-0.056711	-1.852E-06	-0.000313
63	SLU-DRENO	Min	0.010195	-7.499E-06	-0.056711	-1.852E-06	-0.000313

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
63	SLV-DRENO	Max	0.044752	-8.620E-06	-0.05982	-2.039E-06	-0.000573
63	SLV-DRENO	Min	0.044752	-8.620E-06	-0.05982	-2.039E-06	-0.000573
63	SLE-CALOTTA	Max	0.007522	-0.000016	-0.026478	-3.968E-06	-0.000299
63	SLE-CALOTTA	Min	0.007522	-0.000016	-0.026478	-3.968E-06	-0.000299
63	SLU-CALOTTA	Max	0.009776	-4.220E-06	-0.03442	-1.032E-06	-0.000388
63	SLU-CALOTTA	Min	0.009776	-4.220E-06	-0.03442	-1.032E-06	-0.000388
63	SLV-CALOTTA	Max	0.050399	-0.000031	-0.029384	-6.632E-06	-0.001307
63	SLV-CALOTTA	Min	0.050399	-0.000031	-0.029384	-6.632E-06	-0.001307
64	SLE-DRENO	Max	0.007962	-0.000039	-0.043629	-8.557E-06	-0.000271
64	SLE-DRENO	Min	0.007962	-0.000039	-0.043629	-8.557E-06	-0.000271
64	SLU-DRENO	Max	0.010347	-8.347E-06	-0.056715	-1.852E-06	-0.000352
64	SLU-DRENO	Min	0.010347	-8.347E-06	-0.056715	-1.852E-06	-0.000352
64	SLV-DRENO	Max	0.045009	-9.551E-06	-0.059841	-2.039E-06	-0.000559
64	SLV-DRENO	Min	0.045009	-9.551E-06	-0.059841	-2.039E-06	-0.000559
64	SLE-CALOTTA	Max	0.007665	-0.000018	-0.026485	-3.968E-06	-0.000322
64	SLE-CALOTTA	Min	0.007665	-0.000018	-0.026485	-3.968E-06	-0.000322
64	SLU-CALOTTA	Max	0.009961	-4.692E-06	-0.034429	-1.032E-06	-0.000419
64	SLU-CALOTTA	Min	0.009961	-4.692E-06	-0.034429	-1.032E-06	-0.000419
64	SLV-CALOTTA	Max	0.050982	-0.000034	-0.029448	-6.632E-06	-0.001277
64	SLV-CALOTTA	Min	0.050982	-0.000034	-0.029448	-6.632E-06	-0.001277
65	SLE-DRENO	Max	0.008094	-0.000042	-0.043629	-8.557E-06	-0.000308
65	SLE-DRENO	Min	0.008094	-0.000042	-0.043629	-8.557E-06	-0.000308
65	SLU-DRENO	Max	0.010519	-9.193E-06	-0.056716	-1.852E-06	-0.0004
65	SLU-DRENO	Min	0.010519	-9.193E-06	-0.056716	-1.852E-06	-0.0004
65	SLV-DRENO	Max	0.045258	-0.00001	-0.059852	-2.039E-06	-0.000538
65	SLV-DRENO	Min	0.045258	-0.00001	-0.059852	-2.039E-06	-0.000538
65	SLE-CALOTTA	Max	0.007818	-0.00002	-0.026488	-3.968E-06	-0.00035
65	SLE-CALOTTA	Min	0.007818	-0.00002	-0.026488	-3.968E-06	-0.00035
65	SLU-CALOTTA	Max	0.01016	-5.163E-06	-0.034433	-1.032E-06	-0.000455
65	SLU-CALOTTA	Min	0.01016	-5.163E-06	-0.034433	-1.032E-06	-0.000455
65	SLV-CALOTTA	Max	0.051548	-0.000037	-0.029493	-6.632E-06	-0.001233
65	SLV-CALOTTA	Min	0.051548	-0.000037	-0.029493	-6.632E-06	-0.001233
66	SLE-DRENO	Max	0.008244	-0.000046	-0.043626	-8.557E-06	-0.000354
66	SLE-DRENO	Min	0.008244	-0.000046	-0.043626	-8.557E-06	-0.000354
66	SLU-DRENO	Max	0.010714	-0.00001	-0.056712	-1.852E-06	-0.00046
66	SLU-DRENO	Min	0.010714	-0.00001	-0.056712	-1.852E-06	-0.00046
66	SLV-DRENO	Max	0.045494	-0.000011	-0.059854	-2.039E-06	-0.00051
66	SLV-DRENO	Min	0.045494	-0.000011	-0.059854	-2.039E-06	-0.00051
66	SLE-CALOTTA	Max	0.007984	-0.000022	-0.026486	-3.968E-06	-0.000386
66	SLE-CALOTTA	Min	0.007984	-0.000022	-0.026486	-3.968E-06	-0.000386
66	SLU-CALOTTA	Max	0.010376	-5.634E-06	-0.03443	-1.032E-06	-0.000501
66	SLU-CALOTTA	Min	0.010376	-5.634E-06	-0.03443	-1.032E-06	-0.000501
66	SLV-CALOTTA	Max	0.05209	-0.00004	-0.029519	-6.632E-06	-0.001175
66	SLV-CALOTTA	Min	0.05209	-0.00004	-0.029519	-6.632E-06	-0.001175
67	SLE-DRENO	Max	0.008415	-0.00005	-0.043619	-8.557E-06	-0.000406
67	SLE-DRENO	Min	0.008415	-0.00005	-0.043619	-8.557E-06	-0.000406
67	SLU-DRENO	Max	0.010936	-0.000011	-0.056702	-1.852E-06	-0.000528
67	SLU-DRENO	Min	0.010936	-0.000011	-0.056702	-1.852E-06	-0.000528
67	SLV-DRENO	Max	0.045715	-0.000012	-0.059848	-2.039E-06	-0.000482
67	SLV-DRENO	Min	0.045715	-0.000012	-0.059848	-2.039E-06	-0.000482
67	SLE-CALOTTA	Max	0.008166	-0.000023	-0.026479	-3.968E-06	-0.000427
67	SLE-CALOTTA	Min	0.008166	-0.000023	-0.026479	-3.968E-06	-0.000427
67	SLU-CALOTTA	Max	0.010612	-6.102E-06	-0.034421	-1.032E-06	-0.000555
67	SLU-CALOTTA	Min	0.010612	-6.102E-06	-0.034421	-1.032E-06	-0.000555
67	SLV-CALOTTA	Max	0.052602	-0.000043	-0.029527	-6.632E-06	-0.001114
67	SLV-CALOTTA	Min	0.052602	-0.000043	-0.029527	-6.632E-06	-0.001114
68	SLE-DRENO	Max	0.008609	-0.000054	-0.043606	-8.557E-06	-0.000466
68	SLE-DRENO	Min	0.008609	-0.000054	-0.043606	-8.557E-06	-0.000466
68	SLU-DRENO	Max	0.011188	-0.000012	-0.056686	-1.852E-06	-0.000605

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
68	SLU-DRENO	Min	0.011188	-0.000012	-0.056686	-1.852E-06	-0.000605
68	SLV-DRENO	Max	0.045922	-0.000013	-0.059835	-2.039E-06	-0.000461
68	SLV-DRENO	Min	0.045922	-0.000013	-0.059835	-2.039E-06	-0.000461
68	SLE-CALOTTA	Max	0.008366	-0.000025	-0.026466	-3.968E-06	-0.000477
68	SLE-CALOTTA	Min	0.008366	-0.000025	-0.026466	-3.968E-06	-0.000477
68	SLU-CALOTTA	Max	0.010872	-6.568E-06	-0.034405	-1.032E-06	-0.00062
68	SLU-CALOTTA	Min	0.010872	-6.568E-06	-0.034405	-1.032E-06	-0.00062
68	SLV-CALOTTA	Max	0.053084	-0.000046	-0.02952	-6.632E-06	-0.001059
68	SLV-CALOTTA	Min	0.053084	-0.000046	-0.02952	-6.632E-06	-0.001059
69	SLE-DRENO	Max	0.008824	-0.000058	-0.043589	-8.557E-06	-0.000529
69	SLE-DRENO	Min	0.008824	-0.000058	-0.043589	-8.557E-06	-0.000529
69	SLU-DRENO	Max	0.011468	-0.000013	-0.056663	-1.852E-06	-0.000688
69	SLU-DRENO	Min	0.011468	-0.000013	-0.056663	-1.852E-06	-0.000688
69	SLV-DRENO	Max	0.046115	-0.000014	-0.059817	-2.039E-06	-0.000452
69	SLV-DRENO	Min	0.046115	-0.000014	-0.059817	-2.039E-06	-0.000452
69	SLE-CALOTTA	Max	0.008583	-0.000027	-0.026449	-3.968E-06	-0.000534
69	SLE-CALOTTA	Min	0.008583	-0.000027	-0.026449	-3.968E-06	-0.000534
69	SLU-CALOTTA	Max	0.011154	-7.023E-06	-0.034382	-1.032E-06	-0.000694
69	SLU-CALOTTA	Min	0.011154	-7.023E-06	-0.034382	-1.032E-06	-0.000694
69	SLV-CALOTTA	Max	0.053532	-0.000049	-0.0295	-6.632E-06	-0.00102
69	SLV-CALOTTA	Min	0.053532	-0.000049	-0.0295	-6.632E-06	-0.00102
70	SLE-DRENO	Max	0.009066	-0.000062	-0.043565	-8.557E-06	-0.000597
70	SLE-DRENO	Min	0.009066	-0.000062	-0.043565	-8.557E-06	-0.000597
70	SLU-DRENO	Max	0.011783	-0.000013	-0.056633	-1.852E-06	-0.000776
70	SLU-DRENO	Min	0.011783	-0.000013	-0.056633	-1.852E-06	-0.000776
70	SLV-DRENO	Max	0.046304	-0.000015	-0.059794	-2.039E-06	-0.000459
70	SLV-DRENO	Min	0.046304	-0.000015	-0.059794	-2.039E-06	-0.000459
70	SLE-CALOTTA	Max	0.008824	-0.000029	-0.026425	-3.968E-06	-0.0006
70	SLE-CALOTTA	Min	0.008824	-0.000029	-0.026425	-3.968E-06	-0.0006
70	SLU-CALOTTA	Max	0.011468	-7.475E-06	-0.034352	-1.032E-06	-0.000779
70	SLU-CALOTTA	Min	0.011468	-7.475E-06	-0.034352	-1.032E-06	-0.000779
70	SLV-CALOTTA	Max	0.053964	-0.000052	-0.029471	-6.632E-06	-0.001004
70	SLV-CALOTTA	Min	0.053964	-0.000052	-0.029471	-6.632E-06	-0.001004
71	SLE-DRENO	Max	0.009337	-0.000065	-0.043535	-8.557E-06	-0.000667
71	SLE-DRENO	Min	0.009337	-0.000065	-0.043535	-8.557E-06	-0.000667
71	SLU-DRENO	Max	0.012135	-0.000014	-0.056594	-1.852E-06	-0.000867
71	SLU-DRENO	Min	0.012135	-0.000014	-0.056594	-1.852E-06	-0.000867
71	SLV-DRENO	Max	0.046498	-0.000016	-0.059767	-2.039E-06	-0.000484
71	SLV-DRENO	Min	0.046498	-0.000016	-0.059767	-2.039E-06	-0.000484
71	SLE-CALOTTA	Max	0.009094	-0.00003	-0.026395	-3.968E-06	-0.000671
71	SLE-CALOTTA	Min	0.009094	-0.00003	-0.026395	-3.968E-06	-0.000671
71	SLU-CALOTTA	Max	0.011818	-7.925E-06	-0.034312	-1.032E-06	-0.000872
71	SLU-CALOTTA	Min	0.011818	-7.925E-06	-0.034312	-1.032E-06	-0.000872
71	SLV-CALOTTA	Max	0.054391	-0.000054	-0.029432	-6.632E-06	-0.001013
71	SLV-CALOTTA	Min	0.054391	-0.000054	-0.029432	-6.632E-06	-0.001013
72	SLE-DRENO	Max	0.009635	-0.000069	-0.043497	-8.557E-06	-0.000733
72	SLE-DRENO	Min	0.009635	-0.000069	-0.043497	-8.557E-06	-0.000733
72	SLU-DRENO	Max	0.012523	-0.000015	-0.056544	-1.852E-06	-0.000953
72	SLU-DRENO	Min	0.012523	-0.000015	-0.056544	-1.852E-06	-0.000953
72	SLV-DRENO	Max	0.046703	-0.000017	-0.059735	-2.039E-06	-0.000522
72	SLV-DRENO	Min	0.046703	-0.000017	-0.059735	-2.039E-06	-0.000522
72	SLE-CALOTTA	Max	0.009392	-0.000032	-0.026357	-3.968E-06	-0.000742
72	SLE-CALOTTA	Min	0.009392	-0.000032	-0.026357	-3.968E-06	-0.000742
72	SLU-CALOTTA	Max	0.012206	-8.372E-06	-0.034262	-1.032E-06	-0.000965
72	SLU-CALOTTA	Min	0.012206	-8.372E-06	-0.034262	-1.032E-06	-0.000965
72	SLV-CALOTTA	Max	0.054823	-0.000057	-0.029384	-6.632E-06	-0.001044
72	SLV-CALOTTA	Min	0.054823	-0.000057	-0.029384	-6.632E-06	-0.001044
73	SLE-DRENO	Max	0.009875	-0.000072	-0.043463	-8.557E-06	-0.000776
73	SLE-DRENO	Min	0.009875	-0.000072	-0.043463	-8.557E-06	-0.000776

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
73	SLU-DRENO	Max	0.012834	-0.000016	-0.0565	-1.852E-06	-0.001008
73	SLU-DRENO	Min	0.012834	-0.000016	-0.0565	-1.852E-06	-0.001008
73	SLV-DRENO	Max	0.046867	-0.000017	-0.059708	-2.039E-06	-0.000555
73	SLV-DRENO	Min	0.046867	-0.000017	-0.059708	-2.039E-06	-0.000555
73	SLE-CALOTTA	Max	0.009633	-0.000033	-0.026323	-3.968E-06	-0.00079
73	SLE-CALOTTA	Min	0.009633	-0.000033	-0.026323	-3.968E-06	-0.00079
73	SLU-CALOTTA	Max	0.01252	-8.704E-06	-0.034218	-1.032E-06	-0.001027
73	SLU-CALOTTA	Min	0.01252	-8.704E-06	-0.034218	-1.032E-06	-0.001027
73	SLV-CALOTTA	Max	0.055154	-0.000059	-0.029341	-6.632E-06	-0.001075
73	SLV-CALOTTA	Min	0.055154	-0.000059	-0.029341	-6.632E-06	-0.001075
74	SLE-DRENO	Max	0.010127	-0.000075	-0.043424	-8.557E-06	-0.000814
74	SLE-DRENO	Min	0.010127	-0.000075	-0.043424	-8.557E-06	-0.000814
74	SLU-DRENO	Max	0.013162	-0.000016	-0.056449	-1.852E-06	-0.001059
74	SLU-DRENO	Min	0.013162	-0.000016	-0.056449	-1.852E-06	-0.001059
74	SLV-DRENO	Max	0.047041	-0.000018	-0.059677	-2.039E-06	-0.000588
74	SLV-DRENO	Min	0.047041	-0.000018	-0.059677	-2.039E-06	-0.000588
74	SLE-CALOTTA	Max	0.009889	-0.000035	-0.026283	-3.968E-06	-0.000834
74	SLE-CALOTTA	Min	0.009889	-0.000035	-0.026283	-3.968E-06	-0.000834
74	SLU-CALOTTA	Max	0.012852	-9.034E-06	-0.034166	-1.032E-06	-0.001085
74	SLU-CALOTTA	Min	0.012852	-9.034E-06	-0.034166	-1.032E-06	-0.001085
74	SLV-CALOTTA	Max	0.055495	-0.000062	-0.029291	-6.632E-06	-0.00111
74	SLV-CALOTTA	Min	0.055495	-0.000062	-0.029291	-6.632E-06	-0.00111
75	SLE-DRENO	Max	0.01039	-0.000077	-0.043379	-8.557E-06	-0.000848
75	SLE-DRENO	Min	0.01039	-0.000077	-0.043379	-8.557E-06	-0.000848
75	SLU-DRENO	Max	0.013504	-0.000017	-0.056391	-1.852E-06	-0.001103
75	SLU-DRENO	Min	0.013504	-0.000017	-0.056391	-1.852E-06	-0.001103
75	SLV-DRENO	Max	0.047225	-0.000019	-0.059643	-2.039E-06	-0.000621
75	SLV-DRENO	Min	0.047225	-0.000019	-0.059643	-2.039E-06	-0.000621
75	SLE-CALOTTA	Max	0.010157	-0.000036	-0.026238	-3.968E-06	-0.000874
75	SLE-CALOTTA	Min	0.010157	-0.000036	-0.026238	-3.968E-06	-0.000874
75	SLU-CALOTTA	Max	0.013201	-9.362E-06	-0.034107	-1.032E-06	-0.001136
75	SLU-CALOTTA	Min	0.013201	-9.362E-06	-0.034107	-1.032E-06	-0.001136
75	SLV-CALOTTA	Max	0.055846	-0.000064	-0.029234	-6.632E-06	-0.001147
75	SLV-CALOTTA	Min	0.055846	-0.000064	-0.029234	-6.632E-06	-0.001147
76	SLE-DRENO	Max	0.010556	-0.000078	-0.04299	-8.557E-06	-0.000878
76	SLE-DRENO	Min	0.010556	-0.000078	-0.04299	-8.557E-06	-0.000878
76	SLU-DRENO	Max	0.013719	-0.000017	-0.055885	-1.852E-06	-0.001141
76	SLU-DRENO	Min	0.013719	-0.000017	-0.055885	-1.852E-06	-0.001141
76	SLV-DRENO	Max	0.047343	-0.000019	-0.059355	-2.039E-06	-0.000653
76	SLV-DRENO	Min	0.047343	-0.000019	-0.059355	-2.039E-06	-0.000653
76	SLE-CALOTTA	Max	0.010327	-0.000036	-0.025834	-3.968E-06	-0.000909
76	SLE-CALOTTA	Min	0.010327	-0.000036	-0.025834	-3.968E-06	-0.000909
76	SLU-CALOTTA	Max	0.013422	-9.479E-06	-0.033583	-1.032E-06	-0.001181
76	SLU-CALOTTA	Min	0.013422	-9.479E-06	-0.033583	-1.032E-06	-0.001181
76	SLV-CALOTTA	Max	0.056065	-0.000065	-0.028716	-6.632E-06	-0.001182
76	SLV-CALOTTA	Min	0.056065	-0.000065	-0.028716	-6.632E-06	-0.001182
77	SLE-DRENO	Max	0.010726	-0.000079	-0.042587	-8.557E-06	-0.000913
77	SLE-DRENO	Min	0.010726	-0.000079	-0.042587	-8.557E-06	-0.000913
77	SLU-DRENO	Max	0.013941	-0.000017	-0.055361	-1.852E-06	-0.001186
77	SLU-DRENO	Min	0.013941	-0.000017	-0.055361	-1.852E-06	-0.001186
77	SLV-DRENO	Max	0.047467	-0.000019	-0.059051	-2.039E-06	-0.000696
77	SLV-DRENO	Min	0.047467	-0.000019	-0.059051	-2.039E-06	-0.000696
77	SLE-CALOTTA	Max	0.010504	-0.000037	-0.025413	-3.968E-06	-0.00095
77	SLE-CALOTTA	Min	0.010504	-0.000037	-0.025413	-3.968E-06	-0.00095
77	SLU-CALOTTA	Max	0.013652	-9.596E-06	-0.033035	-1.032E-06	-0.001235
77	SLU-CALOTTA	Min	0.013652	-9.596E-06	-0.033035	-1.032E-06	-0.001235
77	SLV-CALOTTA	Max	0.05629	-0.000066	-0.028179	-6.632E-06	-0.00123
77	SLV-CALOTTA	Min	0.05629	-0.000066	-0.028179	-6.632E-06	-0.00123
78	SLE-DRENO	Max	0.010905	-0.00008	-0.042159	-8.557E-06	-0.000972

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
78	SLE-DRENO	Min	0.010905	-0.00008	-0.042159	-8.557E-06	-0.000972
78	SLU-DRENO	Max	0.014173	-0.000017	-0.054805	-1.852E-06	-0.001263
78	SLU-DRENO	Min	0.014173	-0.000017	-0.054805	-1.852E-06	-0.001263
78	SLV-DRENO	Max	0.0476	-0.000019	-0.058716	-2.039E-06	-0.000784
78	SLV-DRENO	Min	0.0476	-0.000019	-0.058716	-2.039E-06	-0.000784
78	SLE-CALOTTA	Max	0.010689	-0.000037	-0.024964	-3.968E-06	-0.00102
78	SLE-CALOTTA	Min	0.010689	-0.000037	-0.024964	-3.968E-06	-0.00102
78	SLU-CALOTTA	Max	0.013893	-9.714E-06	-0.032451	-1.032E-06	-0.001326
78	SLU-CALOTTA	Min	0.013893	-9.714E-06	-0.032451	-1.032E-06	-0.001326
78	SLV-CALOTTA	Max	0.056526	-0.000066	-0.027607	-6.632E-06	-0.001326
78	SLV-CALOTTA	Min	0.056526	-0.000066	-0.027607	-6.632E-06	-0.001326
79	SLE-DRENO	Max	0.011084	-0.000081	-0.041708	-8.557E-06	-0.001009
79	SLE-DRENO	Min	0.011084	-0.000081	-0.041708	-8.557E-06	-0.001009
79	SLU-DRENO	Max	0.014405	-0.000018	-0.054218	-1.852E-06	-0.001312
79	SLU-DRENO	Min	0.014405	-0.000018	-0.054218	-1.852E-06	-0.001312
79	SLV-DRENO	Max	0.047743	-0.00002	-0.058342	-2.039E-06	-0.00086
79	SLV-DRENO	Min	0.047743	-0.00002	-0.058342	-2.039E-06	-0.00086
79	SLE-CALOTTA	Max	0.010877	-0.000038	-0.024486	-3.968E-06	-0.001065
79	SLE-CALOTTA	Min	0.010877	-0.000038	-0.024486	-3.968E-06	-0.001065
79	SLU-CALOTTA	Max	0.014136	-9.822E-06	-0.031831	-1.032E-06	-0.001384
79	SLU-CALOTTA	Min	0.014136	-9.822E-06	-0.031831	-1.032E-06	-0.001384
79	SLV-CALOTTA	Max	0.056768	-0.000067	-0.026991	-6.632E-06	-0.001407
79	SLV-CALOTTA	Min	0.056768	-0.000067	-0.026991	-6.632E-06	-0.001407
80	SLE-DRENO	Max	0.01125	-0.000082	-0.041238	-8.557E-06	-0.001028
80	SLE-DRENO	Min	0.01125	-0.000082	-0.041238	-8.557E-06	-0.001028
80	SLU-DRENO	Max	0.014621	-0.000018	-0.053607	-1.852E-06	-0.001336
80	SLU-DRENO	Min	0.014621	-0.000018	-0.053607	-1.852E-06	-0.001336
80	SLV-DRENO	Max	0.047882	-0.00002	-0.057931	-2.039E-06	-0.000925
80	SLV-DRENO	Min	0.047882	-0.00002	-0.057931	-2.039E-06	-0.000925
80	SLE-CALOTTA	Max	0.011051	-0.000038	-0.023988	-3.968E-06	-0.001087
80	SLE-CALOTTA	Min	0.011051	-0.000038	-0.023988	-3.968E-06	-0.001087
80	SLU-CALOTTA	Max	0.014363	-9.912E-06	-0.031183	-1.032E-06	-0.001414
80	SLU-CALOTTA	Min	0.014363	-9.912E-06	-0.031183	-1.032E-06	-0.001414
80	SLV-CALOTTA	Max	0.056998	-0.000068	-0.026333	-6.632E-06	-0.001475
80	SLV-CALOTTA	Min	0.056998	-0.000068	-0.026333	-6.632E-06	-0.001475
81	SLE-DRENO	Max	0.011399	-0.000082	-0.040759	-8.557E-06	-0.001028
81	SLE-DRENO	Min	0.011399	-0.000082	-0.040759	-8.557E-06	-0.001028
81	SLU-DRENO	Max	0.014815	-0.000018	-0.052985	-1.852E-06	-0.001336
81	SLU-DRENO	Min	0.014815	-0.000018	-0.052985	-1.852E-06	-0.001336
81	SLV-DRENO	Max	0.048015	-0.00002	-0.057489	-2.039E-06	-0.000977
81	SLV-DRENO	Min	0.048015	-0.00002	-0.057489	-2.039E-06	-0.000977
81	SLE-CALOTTA	Max	0.011208	-0.000038	-0.02348	-3.968E-06	-0.001089
81	SLE-CALOTTA	Min	0.011208	-0.000038	-0.02348	-3.968E-06	-0.001089
81	SLU-CALOTTA	Max	0.014567	-9.983E-06	-0.030522	-1.032E-06	-0.001416
81	SLU-CALOTTA	Min	0.014567	-9.983E-06	-0.030522	-1.032E-06	-0.001416
81	SLV-CALOTTA	Max	0.057212	-0.000069	-0.02564	-6.632E-06	-0.001528
81	SLV-CALOTTA	Min	0.057212	-0.000069	-0.02564	-6.632E-06	-0.001528
82	SLE-DRENO	Max	0.011529	-0.000083	-0.04028	-8.557E-06	-0.001011
82	SLE-DRENO	Min	0.011529	-0.000083	-0.04028	-8.557E-06	-0.001011
82	SLU-DRENO	Max	0.014984	-0.000018	-0.052362	-1.852E-06	-0.001314
82	SLU-DRENO	Min	0.014984	-0.000018	-0.052362	-1.852E-06	-0.001314
82	SLV-DRENO	Max	0.048137	-0.00002	-0.057021	-2.039E-06	-0.001018
82	SLV-DRENO	Min	0.048137	-0.00002	-0.057021	-2.039E-06	-0.001018
82	SLE-CALOTTA	Max	0.011344	-0.000039	-0.022971	-3.968E-06	-0.001072
82	SLE-CALOTTA	Min	0.011344	-0.000039	-0.022971	-3.968E-06	-0.001072
82	SLU-CALOTTA	Max	0.014744	-0.00001	-0.02986	-1.032E-06	-0.001394
82	SLU-CALOTTA	Min	0.014744	-0.00001	-0.02986	-1.032E-06	-0.001394
82	SLV-CALOTTA	Max	0.057406	-0.000069	-0.024919	-6.632E-06	-0.001567
82	SLV-CALOTTA	Min	0.057406	-0.000069	-0.024919	-6.632E-06	-0.001567

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
83	SLE-DRENO	Max	0.011637	-0.000083	-0.039808	-8.557E-06	-0.000979
83	SLE-DRENO	Min	0.011637	-0.000083	-0.039808	-8.557E-06	-0.000979
83	SLU-DRENO	Max	0.015125	-0.000018	-0.051749	-1.852E-06	-0.001273
83	SLU-DRENO	Min	0.015125	-0.000018	-0.051749	-1.852E-06	-0.001273
83	SLV-DRENO	Max	0.048245	-0.00002	-0.056533	-2.039E-06	-0.001048
83	SLV-DRENO	Min	0.048245	-0.00002	-0.056533	-2.039E-06	-0.001048
83	SLE-CALOTTA	Max	0.011458	-0.000039	-0.022469	-3.968E-06	-0.001038
83	SLE-CALOTTA	Min	0.011458	-0.000039	-0.022469	-3.968E-06	-0.001038
83	SLU-CALOTTA	Max	0.014892	-0.00001	-0.029209	-1.032E-06	-0.00135
83	SLU-CALOTTA	Min	0.014892	-0.00001	-0.029209	-1.032E-06	-0.00135
83	SLV-CALOTTA	Max	0.057576	-0.000069	-0.024175	-6.632E-06	-0.001594
83	SLV-CALOTTA	Min	0.057576	-0.000069	-0.024175	-6.632E-06	-0.001594
84	SLE-DRENO	Max	0.011723	-0.000083	-0.039352	-8.557E-06	-0.000935
84	SLE-DRENO	Min	0.011723	-0.000083	-0.039352	-8.557E-06	-0.000935
84	SLU-DRENO	Max	0.015237	-0.000018	-0.051155	-1.852E-06	-0.001215
84	SLU-DRENO	Min	0.015237	-0.000018	-0.051155	-1.852E-06	-0.001215
84	SLV-DRENO	Max	0.048337	-0.00002	-0.05603	-2.039E-06	-0.001066
84	SLV-DRENO	Min	0.048337	-0.00002	-0.05603	-2.039E-06	-0.001066
84	SLE-CALOTTA	Max	0.011548	-0.000039	-0.021985	-3.968E-06	-0.00099
84	SLE-CALOTTA	Min	0.011548	-0.000039	-0.021985	-3.968E-06	-0.00099
84	SLU-CALOTTA	Max	0.015009	-0.00001	-0.028579	-1.032E-06	-0.001287
84	SLU-CALOTTA	Min	0.015009	-0.00001	-0.028579	-1.032E-06	-0.001287
84	SLV-CALOTTA	Max	0.057719	-0.00007	-0.023417	-6.632E-06	-0.001607
84	SLV-CALOTTA	Min	0.057719	-0.00007	-0.023417	-6.632E-06	-0.001607
85	SLE-DRENO	Max	0.011788	-0.000083	-0.038917	-8.557E-06	-0.000878
85	SLE-DRENO	Min	0.011788	-0.000083	-0.038917	-8.557E-06	-0.000878
85	SLU-DRENO	Max	0.015321	-0.000018	-0.05059	-1.852E-06	-0.001142
85	SLU-DRENO	Min	0.015321	-0.000018	-0.05059	-1.852E-06	-0.001142
85	SLV-DRENO	Max	0.048411	-0.00002	-0.055518	-2.039E-06	-0.001074
85	SLV-DRENO	Min	0.048411	-0.00002	-0.055518	-2.039E-06	-0.001074
85	SLE-CALOTTA	Max	0.011615	-0.000039	-0.021525	-3.968E-06	-0.000929
85	SLE-CALOTTA	Min	0.011615	-0.000039	-0.021525	-3.968E-06	-0.000929
85	SLU-CALOTTA	Max	0.015096	-0.00001	-0.027981	-1.032E-06	-0.001207
85	SLU-CALOTTA	Min	0.015096	-0.00001	-0.027981	-1.032E-06	-0.001207
85	SLV-CALOTTA	Max	0.057834	-0.00007	-0.022651	-6.632E-06	-0.00161
85	SLV-CALOTTA	Min	0.057834	-0.00007	-0.022651	-6.632E-06	-0.00161
86	SLE-DRENO	Max	0.011832	-0.000083	-0.03851	-8.557E-06	-0.000813
86	SLE-DRENO	Min	0.011832	-0.000083	-0.03851	-8.557E-06	-0.000813
86	SLU-DRENO	Max	0.015379	-0.000018	-0.050062	-1.852E-06	-0.001056
86	SLU-DRENO	Min	0.015379	-0.000018	-0.050062	-1.852E-06	-0.001056
86	SLV-DRENO	Max	0.048465	-0.00002	-0.055003	-2.039E-06	-0.001071
86	SLV-DRENO	Min	0.048465	-0.00002	-0.055003	-2.039E-06	-0.001071
86	SLE-CALOTTA	Max	0.01166	-0.000039	-0.021095	-3.968E-06	-0.000857
86	SLE-CALOTTA	Min	0.01166	-0.000039	-0.021095	-3.968E-06	-0.000857
86	SLU-CALOTTA	Max	0.015155	-0.00001	-0.027422	-1.032E-06	-0.001115
86	SLU-CALOTTA	Min	0.015155	-0.00001	-0.027422	-1.032E-06	-0.001115
86	SLV-CALOTTA	Max	0.05792	-0.00007	-0.021883	-6.632E-06	-0.001601
86	SLV-CALOTTA	Min	0.05792	-0.00007	-0.021883	-6.632E-06	-0.001601
87	SLE-DRENO	Max	0.011858	-0.000082	-0.038137	-8.557E-06	-0.000739
87	SLE-DRENO	Min	0.011858	-0.000082	-0.038137	-8.557E-06	-0.000739
87	SLU-DRENO	Max	0.015412	-0.000018	-0.049576	-1.852E-06	-0.000961
87	SLU-DRENO	Min	0.015412	-0.000018	-0.049576	-1.852E-06	-0.000961
87	SLV-DRENO	Max	0.048499	-0.00002	-0.054489	-2.039E-06	-0.00106
87	SLV-DRENO	Min	0.048499	-0.00002	-0.054489	-2.039E-06	-0.00106
87	SLE-CALOTTA	Max	0.011685	-0.000038	-0.020701	-3.968E-06	-0.000778
87	SLE-CALOTTA	Min	0.011685	-0.000038	-0.020701	-3.968E-06	-0.000778
87	SLU-CALOTTA	Max	0.015187	-0.00001	-0.02691	-1.032E-06	-0.001011
87	SLU-CALOTTA	Min	0.015187	-0.00001	-0.02691	-1.032E-06	-0.001011
87	SLV-CALOTTA	Max	0.057976	-0.00007	-0.02112	-6.632E-06	-0.001583

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
87	SLV-CALOTTA	Min	0.057976	-0.00007	-0.02112	-6.632E-06	-0.001583
88	SLE-DRENO	Max	0.011867	-0.000082	-0.0378	-8.557E-06	-0.000661
88	SLE-DRENO	Min	0.011867	-0.000082	-0.0378	-8.557E-06	-0.000661
88	SLU-DRENO	Max	0.015424	-0.000018	-0.049138	-1.852E-06	-0.000859
88	SLU-DRENO	Min	0.015424	-0.000018	-0.049138	-1.852E-06	-0.000859
88	SLV-DRENO	Max	0.048513	-0.00002	-0.053983	-2.039E-06	-0.00104
88	SLV-DRENO	Min	0.048513	-0.00002	-0.053983	-2.039E-06	-0.00104
88	SLE-CALOTTA	Max	0.011693	-0.000038	-0.020347	-3.968E-06	-0.000692
88	SLE-CALOTTA	Min	0.011693	-0.000038	-0.020347	-3.968E-06	-0.000692
88	SLU-CALOTTA	Max	0.015198	-9.948E-06	-0.02645	-1.032E-06	-0.0009
88	SLU-CALOTTA	Min	0.015198	-9.948E-06	-0.02645	-1.032E-06	-0.0009
88	SLV-CALOTTA	Max	0.058001	-0.000069	-0.020367	-6.632E-06	-0.001557
88	SLV-CALOTTA	Min	0.058001	-0.000069	-0.020367	-6.632E-06	-0.001557
1~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
1~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
1~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
1~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
1~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
1~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
1~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
1~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
1~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
1~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
1~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
1~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
2~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
2~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
2~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
2~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
2~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
2~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
2~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
2~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
2~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
2~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
2~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
2~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
3~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
3~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
3~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
3~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
3~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
3~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
3~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
3~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
3~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
3~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
3~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
3~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
4~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
4~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
4~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
4~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
4~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
4~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
4~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
4~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
4~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
4~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.



**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
4~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
4~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
5~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
5~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
5~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
5~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
5~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
5~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
5~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
5~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
5~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
5~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
5~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
5~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
6~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
6~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
6~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
6~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
6~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
6~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
6~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
6~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
6~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
6~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
6~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
6~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
7~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
7~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
7~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
7~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
7~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
7~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
7~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
7~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
7~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
7~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
7~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
7~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
8~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
8~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
8~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
8~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
8~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
8~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
8~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
8~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
8~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
8~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
8~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
8~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
9~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
9~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
9~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
9~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
9~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
9~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
9~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
9~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
9~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
9~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
9~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
9~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
10~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
10~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
10~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
10~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
10~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
10~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
10~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
10~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
10~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
10~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
10~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
10~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
11~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
11~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
11~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
11~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
11~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
11~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
11~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
11~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
11~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
11~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
11~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
11~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
12~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
12~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
12~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
12~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
12~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
12~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
12~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
12~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
12~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
12~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
12~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
12~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
13~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
13~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
13~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
13~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
13~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
13~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
13~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
13~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
13~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
13~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
13~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
13~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
14~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
14~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
14~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
14~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
14~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
14~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
14~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
14~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
14~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
14~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
14~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
14~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
15~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
15~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
15~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
15~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
15~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
15~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
15~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
15~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
15~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
15~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
15~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
15~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
16~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
16~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
16~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
16~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
16~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
16~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
16~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
16~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
16~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
16~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
16~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
16~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
46~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
46~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
46~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
46~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
46~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
46~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
46~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
46~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
46~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
46~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
46~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
46~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
47~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
47~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
47~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
47~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
47~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
47~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
47~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
47~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
47~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
47~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
47~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
47~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
48~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
48~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
48~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
48~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
48~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
48~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
48~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
48~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
48~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
48~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
48~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
48~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
49~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
49~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
49~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
49~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
49~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
49~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
49~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
49~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
49~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
49~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
49~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
49~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
50~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
50~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
50~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
50~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
50~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
50~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
50~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
50~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
50~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
50~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
50~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
50~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
51~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
51~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
51~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
51~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
51~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
51~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
51~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
51~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
51~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
51~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
51~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
51~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
52~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
52~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
52~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
52~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
52~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
52~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
52~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
52~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
52~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
52~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
52~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
52~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
53~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
53~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
53~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
53~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
53~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
53~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
53~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
53~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
53~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
53~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
53~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
53~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
54~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
54~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
54~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
54~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
54~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
54~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
54~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
54~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
54~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
54~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
54~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
54~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
55~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
55~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
55~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
55~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
55~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
55~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
55~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
55~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
55~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
55~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
55~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
55~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
56~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
56~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
56~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
56~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
56~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
56~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
56~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
56~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
56~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
56~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
56~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
56~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
57~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
57~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
57~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
57~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
57~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
57~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
57~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
57~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
57~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
57~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
57~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
57~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
58~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
58~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
58~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
58~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
58~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
58~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
58~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
58~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
58~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
58~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
58~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
58~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
59~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
59~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
59~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
59~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
59~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
59~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
59~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
59~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
59~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
59~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
59~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
59~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
60~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
60~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
60~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
60~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
60~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
60~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
60~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
60~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
60~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
60~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
60~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
60~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
31~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
31~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
31~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
31~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
31~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
31~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
31~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
31~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
31~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
31~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
31~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
31~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
32~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
32~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
32~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
32~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
32~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
32~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
32~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
32~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
32~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
32~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
32~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
32~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
33~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
33~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
33~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
33~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
33~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
33~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
33~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
33~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
33~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
33~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
33~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
33~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
34~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
34~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
34~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
34~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
34~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
34~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
34~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
34~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
34~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
34~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
34~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
34~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
35~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
35~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
35~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
35~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
35~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
35~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
35~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
35~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
35~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
35~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
35~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
35~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
36~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
36~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
36~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
36~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
36~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
36~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
36~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
36~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
36~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
36~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
36~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
36~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
37~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
37~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
37~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
37~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
37~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
37~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
37~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
37~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
37~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
37~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
37~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
37~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
38~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
38~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
38~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
38~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
38~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
38~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
38~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
38~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
38~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
38~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
38~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
38~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
39~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
39~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
39~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
39~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
39~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
39~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
39~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
39~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
39~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
39~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
39~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
39~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
40~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
40~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
40~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
40~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
40~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
40~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
40~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
40~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
40~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
40~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
40~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
40~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
41~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
41~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
41~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
41~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
41~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
41~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
41~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
41~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
41~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
41~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
41~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
41~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
42~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
42~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
42~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
42~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
42~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
42~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
42~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
42~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
42~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
42~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
42~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
42~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
43~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
43~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.



**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
43~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
43~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
43~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
43~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
43~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
43~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
43~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
43~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
43~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
43~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
44~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
44~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
44~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
44~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
44~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
44~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
44~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
44~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
44~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
44~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
44~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
44~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
45~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
45~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
45~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
45~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
45~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
45~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
45~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
45~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
45~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
45~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
45~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
45~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
76~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
76~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
76~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
76~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
76~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
76~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
76~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
76~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
76~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
76~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
76~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
76~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
75~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
75~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
75~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
75~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
75~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
75~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
75~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
75~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
75~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
75~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
75~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
75~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
77~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
77~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
77~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
77~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
77~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
77~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
77~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
77~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
77~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
77~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
77~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
77~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
78~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
78~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
78~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
78~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
78~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
78~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
78~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
78~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
78~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
78~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
78~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
78~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
79~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
79~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
79~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
79~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
79~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
79~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
79~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
79~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
79~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
79~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
79~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
79~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
80~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
80~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
80~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
80~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
80~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
80~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
80~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
80~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
80~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
80~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
80~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
80~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
81~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
81~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
81~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
81~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
81~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
81~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
81~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
81~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
81~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
81~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
81~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
81~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
82~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
82~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
82~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
82~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
82~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
82~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
82~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
82~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
82~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
82~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
82~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
82~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
83~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
83~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
83~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
83~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
83~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
83~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
83~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
83~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
83~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
83~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
83~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
83~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
84~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
84~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
84~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
84~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
84~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
84~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
84~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
84~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
84~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
84~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
84~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
84~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
85~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
85~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
85~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
85~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
85~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
85~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
85~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
85~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
85~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
85~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
85~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
85~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
86~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
86~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
86~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
86~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
86~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
86~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
86~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
86~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
86~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
86~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
86~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
86~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
87~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
87~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
87~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
87~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
87~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
87~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
87~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
87~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
87~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
87~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
87~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
87~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
88~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
88~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
88~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
88~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
88~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
88~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
88~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
88~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
88~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
88~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
88~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
88~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
17~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
17~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
17~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
17~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
17~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
17~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
17~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
17~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
17~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
17~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
17~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
17~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
18~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
18~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
18~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
18~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
18~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
18~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
18~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
18~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
18~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
18~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
18~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
18~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
19~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
19~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
19~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
19~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
19~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
19~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
19~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
19~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
19~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
19~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
19~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
19~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
20~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
20~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
20~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
20~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
20~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
20~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
20~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
20~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
20~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
20~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
20~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
20~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
21~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
21~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
21~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
21~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
21~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
21~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
21~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
21~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
21~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
21~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
21~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
21~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
22~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
22~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
22~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
22~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
22~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
22~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
22~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
22~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
22~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
22~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
22~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
22~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
23~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
23~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
23~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
23~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
23~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
23~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
23~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
23~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
23~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
23~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
23~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
23~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
24~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
24~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
24~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
24~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
24~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
24~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
24~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
24~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
24~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
24~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
24~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
24~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
25~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
25~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
25~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
25~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
25~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
25~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
25~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
25~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
25~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
25~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
25~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
25~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
26~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
26~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
26~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
26~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
26~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
26~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
26~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
26~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
26~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
26~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
26~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
26~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
27~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
27~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
27~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
27~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
27~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
27~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
27~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
27~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
27~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
27~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
27~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
27~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
28~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
28~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
28~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
28~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
28~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
28~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
28~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
28~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
28~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
28~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
28~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
28~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
29~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
29~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
29~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
29~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
29~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
29~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
29~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
29~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
29~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
29~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
29~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
29~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
30~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
30~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
30~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
30~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
30~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
30~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
30~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
30~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
30~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
30~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
30~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
30~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
61~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
61~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
61~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
61~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
61~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
61~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
61~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
61~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
61~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
61~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
61~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
61~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
62~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
62~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
62~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
62~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
62~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
62~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
62~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
62~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
62~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
62~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
62~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
62~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
63~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
63~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
63~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
63~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
63~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
63~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
63~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
63~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
63~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
63~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
63~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
63~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
64~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
64~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
64~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
64~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
64~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
64~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
64~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
64~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
64~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
64~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
64~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
64~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
65~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
65~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
65~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
65~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
65~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
65~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
65~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
65~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
65~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
65~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
65~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
65~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
66~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
66~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
66~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
66~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
66~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
66~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
66~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
66~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
66~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
66~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
66~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
66~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
67~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
67~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
67~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
67~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
67~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
67~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
67~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
67~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
67~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
67~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
67~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
67~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
68~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
68~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
68~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
68~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
68~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
68~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
68~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
68~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
68~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
68~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
68~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
68~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
69~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
69~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
69~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
69~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
69~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
69~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.



Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
69~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
69~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
69~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
69~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
69~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
69~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
70~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
70~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
70~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
70~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
70~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
70~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
70~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
70~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
70~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
70~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
70~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
70~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
71~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
71~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
71~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
71~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
71~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
71~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
71~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
71~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
71~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
71~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
71~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
71~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
72~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
72~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
72~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
72~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
72~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
72~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
72~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
72~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
72~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
72~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
72~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
72~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
73~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
73~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
73~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
73~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
73~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.
73~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
73~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
73~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
73~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
73~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
73~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
73~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
74~Link	SLE-DRENO	Max	0.	0.	0.	0.	0.
74~Link	SLE-DRENO	Min	0.	0.	0.	0.	0.
74~Link	SLU-DRENO	Max	0.	0.	0.	0.	0.
74~Link	SLU-DRENO	Min	0.	0.	0.	0.	0.
74~Link	SLV-DRENO	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
74~Link	SLV-DRENO	Min	0.	0.	0.	0.	0.
74~Link	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
74~Link	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
74~Link	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
74~Link	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
74~Link	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
74~Link	SLV-CALOTTA	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 2 of 2**

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3
	Radians
1	1.613E-06
1	1.613E-06
1	3.487E-07
1	3.487E-07
1	3.538E-07
1	3.538E-07
1	7.261E-07
1	7.261E-07
1	1.890E-07
1	1.890E-07
1	8.923E-07
1	8.923E-07
2	1.613E-06
2	1.613E-06
2	3.487E-07
2	3.487E-07
2	3.538E-07
2	3.538E-07
2	7.261E-07
2	7.261E-07
2	1.890E-07
2	1.890E-07
2	8.923E-07
2	8.923E-07
3	1.613E-06
3	1.613E-06
3	3.487E-07
3	3.487E-07
3	3.538E-07
3	3.538E-07
3	7.261E-07
3	7.261E-07
3	1.890E-07
3	1.890E-07
3	8.923E-07
3	8.923E-07
4	1.613E-06
4	1.613E-06
4	3.487E-07
4	3.487E-07
4	3.538E-07
4	3.538E-07
4	7.261E-07
4	7.261E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
4	1.890E-07
4	1.890E-07
4	8.923E-07
4	8.923E-07
5	1.613E-06
5	1.613E-06
5	3.487E-07
5	3.487E-07
5	3.538E-07
5	3.538E-07
5	7.261E-07
5	7.261E-07
5	1.890E-07
5	1.890E-07
5	8.923E-07
5	8.923E-07
6	1.613E-06
6	1.613E-06
6	3.487E-07
6	3.487E-07
6	3.538E-07
6	3.538E-07
6	7.261E-07
6	7.261E-07
6	1.890E-07
6	1.890E-07
6	8.923E-07
6	8.923E-07
7	1.613E-06
7	1.613E-06
7	3.487E-07
7	3.487E-07
7	3.538E-07
7	3.538E-07
7	7.261E-07
7	7.261E-07
7	1.890E-07
7	1.890E-07
7	8.923E-07
7	8.923E-07
8	1.613E-06
8	1.613E-06
8	3.487E-07
8	3.487E-07
8	3.538E-07
8	3.538E-07
8	7.261E-07
8	7.261E-07
8	1.890E-07
8	1.890E-07
8	8.923E-07
8	8.923E-07
9	1.613E-06
9	1.613E-06
9	3.487E-07
9	3.487E-07
9	3.538E-07
9	3.538E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
9	7.261E-07
9	7.261E-07
9	1.890E-07
9	1.890E-07
9	8.923E-07
9	8.923E-07
10	1.613E-06
10	1.613E-06
10	3.487E-07
10	3.487E-07
10	3.538E-07
10	3.538E-07
10	7.261E-07
10	7.261E-07
10	1.890E-07
10	1.890E-07
10	8.923E-07
10	8.923E-07
11	1.613E-06
11	1.613E-06
11	3.487E-07
11	3.487E-07
11	3.538E-07
11	3.538E-07
11	7.261E-07
11	7.261E-07
11	1.890E-07
11	1.890E-07
11	8.923E-07
11	8.923E-07
12	1.613E-06
12	1.613E-06
12	3.487E-07
12	3.487E-07
12	3.538E-07
12	3.538E-07
12	7.261E-07
12	7.261E-07
12	1.890E-07
12	1.890E-07
12	8.923E-07
12	8.923E-07
13	1.613E-06
13	1.613E-06
13	3.487E-07
13	3.487E-07
13	3.538E-07
13	3.538E-07
13	7.261E-07
13	7.261E-07
13	1.890E-07
13	1.890E-07
13	8.923E-07
13	8.923E-07
14	1.613E-06
14	1.613E-06
14	3.487E-07
14	3.487E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
14	3.538E-07
14	3.538E-07
14	7.261E-07
14	7.261E-07
14	1.890E-07
14	1.890E-07
14	8.923E-07
14	8.923E-07
15	1.613E-06
15	1.613E-06
15	3.487E-07
15	3.487E-07
15	3.538E-07
15	3.538E-07
15	7.261E-07
15	7.261E-07
15	1.890E-07
15	1.890E-07
15	8.923E-07
15	8.923E-07
16	1.613E-06
16	1.613E-06
16	3.487E-07
16	3.487E-07
16	3.538E-07
16	3.538E-07
16	7.261E-07
16	7.261E-07
16	1.890E-07
16	1.890E-07
16	8.923E-07
16	8.923E-07
17	1.613E-06
17	1.613E-06
17	3.487E-07
17	3.487E-07
17	3.538E-07
17	3.538E-07
17	7.261E-07
17	7.261E-07
17	1.890E-07
17	1.890E-07
17	8.923E-07
17	8.923E-07
18	1.613E-06
18	1.613E-06
18	3.487E-07
18	3.487E-07
18	3.538E-07
18	3.538E-07
18	7.261E-07
18	7.261E-07
18	1.890E-07
18	1.890E-07
18	8.923E-07
18	8.923E-07
19	1.613E-06
19	1.613E-06

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
19	3.487E-07
19	3.487E-07
19	3.538E-07
19	3.538E-07
19	7.261E-07
19	7.261E-07
19	1.890E-07
19	1.890E-07
19	8.923E-07
19	8.923E-07
20	1.613E-06
20	1.613E-06
20	3.487E-07
20	3.487E-07
20	3.538E-07
20	3.538E-07
20	7.261E-07
20	7.261E-07
20	1.890E-07
20	1.890E-07
20	8.923E-07
20	8.923E-07
21	1.613E-06
21	1.613E-06
21	3.487E-07
21	3.487E-07
21	3.538E-07
21	3.538E-07
21	7.261E-07
21	7.261E-07
21	1.890E-07
21	1.890E-07
21	8.923E-07
21	8.923E-07
22	1.613E-06
22	1.613E-06
22	3.487E-07
22	3.487E-07
22	3.538E-07
22	3.538E-07
22	7.261E-07
22	7.261E-07
22	1.890E-07
22	1.890E-07
22	8.923E-07
22	8.923E-07
23	1.613E-06
23	1.613E-06
23	3.487E-07
23	3.487E-07
23	3.538E-07
23	3.538E-07
23	7.261E-07
23	7.261E-07
23	1.890E-07
23	1.890E-07
23	8.923E-07
23	8.923E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
24	1.613E-06
24	1.613E-06
24	3.487E-07
24	3.487E-07
24	3.538E-07
24	3.538E-07
24	7.261E-07
24	7.261E-07
24	1.890E-07
24	1.890E-07
24	8.923E-07
24	8.923E-07
25	1.613E-06
25	1.613E-06
25	3.487E-07
25	3.487E-07
25	3.538E-07
25	3.538E-07
25	7.261E-07
25	7.261E-07
25	1.890E-07
25	1.890E-07
25	8.923E-07
25	8.923E-07
26	1.613E-06
26	1.613E-06
26	3.487E-07
26	3.487E-07
26	3.538E-07
26	3.538E-07
26	7.261E-07
26	7.261E-07
26	1.890E-07
26	1.890E-07
26	8.923E-07
26	8.923E-07
27	1.613E-06
27	1.613E-06
27	3.487E-07
27	3.487E-07
27	3.538E-07
27	3.538E-07
27	7.261E-07
27	7.261E-07
27	1.890E-07
27	1.890E-07
27	8.923E-07
27	8.923E-07
28	1.613E-06
28	1.613E-06
28	3.487E-07
28	3.487E-07
28	3.538E-07
28	3.538E-07
28	7.261E-07
28	7.261E-07
28	1.890E-07
28	1.890E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
28	8.923E-07
28	8.923E-07
29	1.613E-06
29	1.613E-06
29	3.487E-07
29	3.487E-07
29	3.538E-07
29	3.538E-07
29	7.261E-07
29	7.261E-07
29	1.890E-07
29	1.890E-07
29	8.923E-07
29	8.923E-07
30	1.613E-06
30	1.613E-06
30	3.487E-07
30	3.487E-07
30	3.538E-07
30	3.538E-07
30	7.261E-07
30	7.261E-07
30	1.890E-07
30	1.890E-07
30	8.923E-07
30	8.923E-07
31	1.613E-06
31	1.613E-06
31	3.487E-07
31	3.487E-07
31	3.538E-07
31	3.538E-07
31	7.261E-07
31	7.261E-07
31	1.890E-07
31	1.890E-07
31	8.923E-07
31	8.923E-07
32	1.613E-06
32	1.613E-06
32	3.487E-07
32	3.487E-07
32	3.538E-07
32	3.538E-07
32	7.261E-07
32	7.261E-07
32	1.890E-07
32	1.890E-07
32	8.923E-07
32	8.923E-07
33	1.613E-06
33	1.613E-06
33	3.487E-07
33	3.487E-07
33	3.538E-07
33	3.538E-07
33	7.261E-07
33	7.261E-07



**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
33	1.890E-07
33	1.890E-07
33	8.923E-07
33	8.923E-07
34	1.613E-06
34	1.613E-06
34	3.487E-07
34	3.487E-07
34	3.538E-07
34	3.538E-07
34	7.261E-07
34	7.261E-07
34	1.890E-07
34	1.890E-07
34	8.923E-07
34	8.923E-07
35	1.613E-06
35	1.613E-06
35	3.487E-07
35	3.487E-07
35	3.538E-07
35	3.538E-07
35	7.261E-07
35	7.261E-07
35	1.890E-07
35	1.890E-07
35	8.923E-07
35	8.923E-07
36	1.613E-06
36	1.613E-06
36	3.487E-07
36	3.487E-07
36	3.538E-07
36	3.538E-07
36	7.261E-07
36	7.261E-07
36	1.890E-07
36	1.890E-07
36	8.923E-07
36	8.923E-07
37	1.613E-06
37	1.613E-06
37	3.487E-07
37	3.487E-07
37	3.538E-07
37	3.538E-07
37	7.261E-07
37	7.261E-07
37	1.890E-07
37	1.890E-07
37	8.923E-07
37	8.923E-07
38	1.613E-06
38	1.613E-06
38	3.487E-07
38	3.487E-07
38	3.538E-07
38	3.538E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
38	7.261E-07
38	7.261E-07
38	1.890E-07
38	1.890E-07
38	8.923E-07
38	8.923E-07
39	1.613E-06
39	1.613E-06
39	3.487E-07
39	3.487E-07
39	3.538E-07
39	3.538E-07
39	7.261E-07
39	7.261E-07
39	1.890E-07
39	1.890E-07
39	8.923E-07
39	8.923E-07
40	1.613E-06
40	1.613E-06
40	3.487E-07
40	3.487E-07
40	3.538E-07
40	3.538E-07
40	7.261E-07
40	7.261E-07
40	1.890E-07
40	1.890E-07
40	8.923E-07
40	8.923E-07
41	1.613E-06
41	1.613E-06
41	3.487E-07
41	3.487E-07
41	3.538E-07
41	3.538E-07
41	7.261E-07
41	7.261E-07
41	1.890E-07
41	1.890E-07
41	8.923E-07
41	8.923E-07
42	1.613E-06
42	1.613E-06
42	3.487E-07
42	3.487E-07
42	3.538E-07
42	3.538E-07
42	7.261E-07
42	7.261E-07
42	1.890E-07
42	1.890E-07
42	8.923E-07
42	8.923E-07
43	1.613E-06
43	1.613E-06
43	3.487E-07
43	3.487E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
43	3.538E-07
43	3.538E-07
43	7.261E-07
43	7.261E-07
43	1.890E-07
43	1.890E-07
43	8.923E-07
43	8.923E-07
44	1.613E-06
44	1.613E-06
44	3.487E-07
44	3.487E-07
44	3.538E-07
44	3.538E-07
44	7.261E-07
44	7.261E-07
44	1.890E-07
44	1.890E-07
44	8.923E-07
44	8.923E-07
45	1.613E-06
45	1.613E-06
45	3.487E-07
45	3.487E-07
45	3.538E-07
45	3.538E-07
45	7.261E-07
45	7.261E-07
45	1.890E-07
45	1.890E-07
45	8.923E-07
45	8.923E-07
46	1.613E-06
46	1.613E-06
46	3.487E-07
46	3.487E-07
46	3.538E-07
46	3.538E-07
46	7.261E-07
46	7.261E-07
46	1.890E-07
46	1.890E-07
46	8.923E-07
46	8.923E-07
47	1.613E-06
47	1.613E-06
47	3.487E-07
47	3.487E-07
47	3.538E-07
47	3.538E-07
47	7.261E-07
47	7.261E-07
47	1.890E-07
47	1.890E-07
47	8.923E-07
47	8.923E-07
48	1.613E-06
48	1.613E-06

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
48	3.487E-07
48	3.487E-07
48	3.538E-07
48	3.538E-07
48	7.261E-07
48	7.261E-07
48	1.890E-07
48	1.890E-07
48	8.923E-07
48	8.923E-07
49	1.613E-06
49	1.613E-06
49	3.487E-07
49	3.487E-07
49	3.538E-07
49	3.538E-07
49	7.261E-07
49	7.261E-07
49	1.890E-07
49	1.890E-07
49	8.923E-07
49	8.923E-07
50	1.613E-06
50	1.613E-06
50	3.487E-07
50	3.487E-07
50	3.538E-07
50	3.538E-07
50	7.261E-07
50	7.261E-07
50	1.890E-07
50	1.890E-07
50	8.923E-07
50	8.923E-07
51	1.613E-06
51	1.613E-06
51	3.487E-07
51	3.487E-07
51	3.538E-07
51	3.538E-07
51	7.261E-07
51	7.261E-07
51	1.890E-07
51	1.890E-07
51	8.923E-07
51	8.923E-07
52	1.613E-06
52	1.613E-06
52	3.487E-07
52	3.487E-07
52	3.538E-07
52	3.538E-07
52	7.261E-07
52	7.261E-07
52	1.890E-07
52	1.890E-07
52	8.923E-07
52	8.923E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
53	1.613E-06
53	1.613E-06
53	3.487E-07
53	3.487E-07
53	3.538E-07
53	3.538E-07
53	7.261E-07
53	7.261E-07
53	1.890E-07
53	1.890E-07
53	8.923E-07
53	8.923E-07
54	1.613E-06
54	1.613E-06
54	3.487E-07
54	3.487E-07
54	3.538E-07
54	3.538E-07
54	7.261E-07
54	7.261E-07
54	1.890E-07
54	1.890E-07
54	8.923E-07
54	8.923E-07
55	1.613E-06
55	1.613E-06
55	3.487E-07
55	3.487E-07
55	3.538E-07
55	3.538E-07
55	7.261E-07
55	7.261E-07
55	1.890E-07
55	1.890E-07
55	8.923E-07
55	8.923E-07
56	1.613E-06
56	1.613E-06
56	3.487E-07
56	3.487E-07
56	3.538E-07
56	3.538E-07
56	7.261E-07
56	7.261E-07
56	1.890E-07
56	1.890E-07
56	8.923E-07
56	8.923E-07
57	1.613E-06
57	1.613E-06
57	3.487E-07
57	3.487E-07
57	3.538E-07
57	3.538E-07
57	7.261E-07
57	7.261E-07
57	1.890E-07
57	1.890E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
57	8.923E-07
57	8.923E-07
58	1.613E-06
58	1.613E-06
58	3.487E-07
58	3.487E-07
58	3.538E-07
58	3.538E-07
58	7.261E-07
58	7.261E-07
58	1.890E-07
58	1.890E-07
58	8.923E-07
58	8.923E-07
59	1.613E-06
59	1.613E-06
59	3.487E-07
59	3.487E-07
59	3.538E-07
59	3.538E-07
59	7.261E-07
59	7.261E-07
59	1.890E-07
59	1.890E-07
59	8.923E-07
59	8.923E-07
60	1.613E-06
60	1.613E-06
60	3.487E-07
60	3.487E-07
60	3.538E-07
60	3.538E-07
60	7.261E-07
60	7.261E-07
60	1.890E-07
60	1.890E-07
60	8.923E-07
60	8.923E-07
61	1.613E-06
61	1.613E-06
61	3.487E-07
61	3.487E-07
61	3.538E-07
61	3.538E-07
61	7.261E-07
61	7.261E-07
61	1.890E-07
61	1.890E-07
61	8.923E-07
61	8.923E-07
62	1.613E-06
62	1.613E-06
62	3.487E-07
62	3.487E-07
62	3.538E-07
62	3.538E-07
62	7.261E-07
62	7.261E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
62	1.890E-07
62	1.890E-07
62	8.923E-07
62	8.923E-07
63	1.613E-06
63	1.613E-06
63	3.487E-07
63	3.487E-07
63	3.538E-07
63	3.538E-07
63	7.261E-07
63	7.261E-07
63	1.890E-07
63	1.890E-07
63	8.923E-07
63	8.923E-07
64	1.613E-06
64	1.613E-06
64	3.487E-07
64	3.487E-07
64	3.538E-07
64	3.538E-07
64	7.261E-07
64	7.261E-07
64	1.890E-07
64	1.890E-07
64	8.923E-07
64	8.923E-07
65	1.613E-06
65	1.613E-06
65	3.487E-07
65	3.487E-07
65	3.538E-07
65	3.538E-07
65	7.261E-07
65	7.261E-07
65	1.890E-07
65	1.890E-07
65	8.923E-07
65	8.923E-07
66	1.613E-06
66	1.613E-06
66	3.487E-07
66	3.487E-07
66	3.538E-07
66	3.538E-07
66	7.261E-07
66	7.261E-07
66	1.890E-07
66	1.890E-07
66	8.923E-07
66	8.923E-07
67	1.613E-06
67	1.613E-06
67	3.487E-07
67	3.487E-07
67	3.538E-07
67	3.538E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
67	7.261E-07
67	7.261E-07
67	1.890E-07
67	1.890E-07
67	8.923E-07
67	8.923E-07
68	1.613E-06
68	1.613E-06
68	3.487E-07
68	3.487E-07
68	3.538E-07
68	3.538E-07
68	7.261E-07
68	7.261E-07
68	1.890E-07
68	1.890E-07
68	8.923E-07
68	8.923E-07
69	1.613E-06
69	1.613E-06
69	3.487E-07
69	3.487E-07
69	3.538E-07
69	3.538E-07
69	7.261E-07
69	7.261E-07
69	1.890E-07
69	1.890E-07
69	8.923E-07
69	8.923E-07
70	1.613E-06
70	1.613E-06
70	3.487E-07
70	3.487E-07
70	3.538E-07
70	3.538E-07
70	7.261E-07
70	7.261E-07
70	1.890E-07
70	1.890E-07
70	8.923E-07
70	8.923E-07
71	1.613E-06
71	1.613E-06
71	3.487E-07
71	3.487E-07
71	3.538E-07
71	3.538E-07
71	7.261E-07
71	7.261E-07
71	1.890E-07
71	1.890E-07
71	8.923E-07
71	8.923E-07
72	1.613E-06
72	1.613E-06
72	3.487E-07
72	3.487E-07



**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
72	3.538E-07
72	3.538E-07
72	7.261E-07
72	7.261E-07
72	1.890E-07
72	1.890E-07
72	8.923E-07
72	8.923E-07
73	1.613E-06
73	1.613E-06
73	3.487E-07
73	3.487E-07
73	3.538E-07
73	3.538E-07
73	7.261E-07
73	7.261E-07
73	1.890E-07
73	1.890E-07
73	8.923E-07
73	8.923E-07
74	1.613E-06
74	1.613E-06
74	3.487E-07
74	3.487E-07
74	3.538E-07
74	3.538E-07
74	7.261E-07
74	7.261E-07
74	1.890E-07
74	1.890E-07
74	8.923E-07
74	8.923E-07
75	1.613E-06
75	1.613E-06
75	3.487E-07
75	3.487E-07
75	3.538E-07
75	3.538E-07
75	7.261E-07
75	7.261E-07
75	1.890E-07
75	1.890E-07
75	8.923E-07
75	8.923E-07
76	1.613E-06
76	1.613E-06
76	3.487E-07
76	3.487E-07
76	3.538E-07
76	3.538E-07
76	7.261E-07
76	7.261E-07
76	1.890E-07
76	1.890E-07
76	8.923E-07
76	8.923E-07
77	1.613E-06
77	1.613E-06

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
77	3.487E-07
77	3.487E-07
77	3.538E-07
77	3.538E-07
77	7.261E-07
77	7.261E-07
77	1.890E-07
77	1.890E-07
77	8.923E-07
77	8.923E-07
78	1.613E-06
78	1.613E-06
78	3.487E-07
78	3.487E-07
78	3.538E-07
78	3.538E-07
78	7.261E-07
78	7.261E-07
78	1.890E-07
78	1.890E-07
78	8.923E-07
78	8.923E-07
79	1.613E-06
79	1.613E-06
79	3.487E-07
79	3.487E-07
79	3.538E-07
79	3.538E-07
79	7.261E-07
79	7.261E-07
79	1.890E-07
79	1.890E-07
79	8.923E-07
79	8.923E-07
80	1.613E-06
80	1.613E-06
80	3.487E-07
80	3.487E-07
80	3.538E-07
80	3.538E-07
80	7.261E-07
80	7.261E-07
80	1.890E-07
80	1.890E-07
80	8.923E-07
80	8.923E-07
81	1.613E-06
81	1.613E-06
81	3.487E-07
81	3.487E-07
81	3.538E-07
81	3.538E-07
81	7.261E-07
81	7.261E-07
81	1.890E-07
81	1.890E-07
81	8.923E-07
81	8.923E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
82	1.613E-06
82	1.613E-06
82	3.487E-07
82	3.487E-07
82	3.538E-07
82	3.538E-07
82	7.261E-07
82	7.261E-07
82	1.890E-07
82	1.890E-07
82	8.923E-07
82	8.923E-07
83	1.613E-06
83	1.613E-06
83	3.487E-07
83	3.487E-07
83	3.538E-07
83	3.538E-07
83	7.261E-07
83	7.261E-07
83	1.890E-07
83	1.890E-07
83	8.923E-07
83	8.923E-07
84	1.613E-06
84	1.613E-06
84	3.487E-07
84	3.487E-07
84	3.538E-07
84	3.538E-07
84	7.261E-07
84	7.261E-07
84	1.890E-07
84	1.890E-07
84	8.923E-07
84	8.923E-07
85	1.613E-06
85	1.613E-06
85	3.487E-07
85	3.487E-07
85	3.538E-07
85	3.538E-07
85	7.261E-07
85	7.261E-07
85	1.890E-07
85	1.890E-07
85	8.923E-07
85	8.923E-07
86	1.613E-06
86	1.613E-06
86	3.487E-07
86	3.487E-07
86	3.538E-07
86	3.538E-07
86	7.261E-07
86	7.261E-07
86	1.890E-07
86	1.890E-07

**Table 19: Joint Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
86	8.923E-07
86	8.923E-07
87	1.613E-06
87	1.613E-06
87	3.487E-07
87	3.487E-07
87	3.538E-07
87	3.538E-07
87	7.261E-07
87	7.261E-07
87	1.890E-07
87	1.890E-07
87	8.923E-07
87	8.923E-07
88	1.613E-06
88	1.613E-06
88	3.487E-07
88	3.487E-07
88	3.538E-07
88	3.538E-07
88	7.261E-07
88	7.261E-07
88	1.890E-07
88	1.890E-07
88	8.923E-07
88	8.923E-07
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.





**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
47~Link	0.
47~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.



**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
56~Link	0.
56~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.



**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.

## 7. Joint results

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**Table 19: Joint Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
76~Link	0.
76~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
84~Link	0.
84~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.



**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.

**Table 19: Joint  
Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
62~Link	0.
62~Link	0.



**Table 19: Joint  
Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
71~Link	0.
71~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.

**Table 20: Joint Reactions, Part 1 of 2**

**Table 20: Joint Reactions, Part 1 of 2**

Joint	OutputCase	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
1	SLE-DRENO	Max	0.	0.	0.	0.	0.
1	SLE-DRENO	Min	0.	0.	0.	0.	0.
1	SLU-DRENO	Max	0.	0.	0.	0.	0.
1	SLU-DRENO	Min	0.	0.	0.	0.	0.
1	SLV-DRENO	Max	0.	0.	0.	0.	0.
1	SLV-DRENO	Min	0.	0.	0.	0.	0.
1	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
1	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
1	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
1	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
1	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
1	SLV-CALOTTA	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
2	SLE-DRENO	Max	0.	0.	0.	0.	0.
2	SLE-DRENO	Min	0.	0.	0.	0.	0.
2	SLU-DRENO	Max	0.	0.	0.	0.	0.
2	SLU-DRENO	Min	0.	0.	0.	0.	0.
2	SLV-DRENO	Max	0.	0.	0.	0.	0.
2	SLV-DRENO	Min	0.	0.	0.	0.	0.
2	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
2	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
2	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
2	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
2	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
2	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
3	SLE-DRENO	Max	0.	0.	0.	0.	0.
3	SLE-DRENO	Min	0.	0.	0.	0.	0.
3	SLU-DRENO	Max	0.	0.	0.	0.	0.
3	SLU-DRENO	Min	0.	0.	0.	0.	0.
3	SLV-DRENO	Max	0.	0.	0.	0.	0.
3	SLV-DRENO	Min	0.	0.	0.	0.	0.
3	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
3	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
3	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
3	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
3	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
3	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
4	SLE-DRENO	Max	0.	0.	0.	0.	0.
4	SLE-DRENO	Min	0.	0.	0.	0.	0.
4	SLU-DRENO	Max	0.	0.	0.	0.	0.
4	SLU-DRENO	Min	0.	0.	0.	0.	0.
4	SLV-DRENO	Max	0.	0.	0.	0.	0.
4	SLV-DRENO	Min	0.	0.	0.	0.	0.
4	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
4	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
4	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
4	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
4	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
4	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
5	SLE-DRENO	Max	0.	0.	0.	0.	0.
5	SLE-DRENO	Min	0.	0.	0.	0.	0.
5	SLU-DRENO	Max	0.	0.	0.	0.	0.
5	SLU-DRENO	Min	0.	0.	0.	0.	0.
5	SLV-DRENO	Max	0.	0.	0.	0.	0.
5	SLV-DRENO	Min	0.	0.	0.	0.	0.
5	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
5	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
5	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
5	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
5	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
5	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
6	SLE-DRENO	Max	0.	0.	0.	0.	0.
6	SLE-DRENO	Min	0.	0.	0.	0.	0.
6	SLU-DRENO	Max	0.	0.	0.	0.	0.
6	SLU-DRENO	Min	0.	0.	0.	0.	0.
6	SLV-DRENO	Max	0.	0.	0.	0.	0.
6	SLV-DRENO	Min	0.	0.	0.	0.	0.
6	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
6	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
6	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
6	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
6	SLV-CALOTTA	Max	-0.319	0.	-0.732	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
6	SLV-CALOTTA	Min	-0.319	0.	-0.732	0.	0.
7	SLE-DRENO	Max	0.	0.	0.	0.	0.
7	SLE-DRENO	Min	0.	0.	0.	0.	0.
7	SLU-DRENO	Max	0.	0.	0.	0.	0.
7	SLU-DRENO	Min	0.	0.	0.	0.	0.
7	SLV-DRENO	Max	0.	0.	0.	0.	0.
7	SLV-DRENO	Min	0.	0.	0.	0.	0.
7	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
7	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
7	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
7	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
7	SLV-CALOTTA	Max	-1.289	0.	-2.595	0.	0.
7	SLV-CALOTTA	Min	-1.289	0.	-2.595	0.	0.
8	SLE-DRENO	Max	0.	0.	0.	0.	0.
8	SLE-DRENO	Min	0.	0.	0.	0.	0.
8	SLU-DRENO	Max	0.	0.	0.	0.	0.
8	SLU-DRENO	Min	0.	0.	0.	0.	0.
8	SLV-DRENO	Max	0.	0.	0.	0.	0.
8	SLV-DRENO	Min	0.	0.	0.	0.	0.
8	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
8	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
8	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
8	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
8	SLV-CALOTTA	Max	-2.258	0.	-3.997	0.	0.
8	SLV-CALOTTA	Min	-2.258	0.	-3.997	0.	0.
9	SLE-DRENO	Max	0.	0.	0.	0.	0.
9	SLE-DRENO	Min	0.	0.	0.	0.	0.
9	SLU-DRENO	Max	0.	0.	0.	0.	0.
9	SLU-DRENO	Min	0.	0.	0.	0.	0.
9	SLV-DRENO	Max	0.	0.	0.	0.	0.
9	SLV-DRENO	Min	0.	0.	0.	0.	0.
9	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
9	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
9	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
9	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
9	SLV-CALOTTA	Max	-2.939	0.	-4.763	0.	0.
9	SLV-CALOTTA	Min	-2.939	0.	-4.763	0.	0.
10	SLE-DRENO	Max	0.	0.	0.	0.	0.
10	SLE-DRENO	Min	0.	0.	0.	0.	0.
10	SLU-DRENO	Max	0.	0.	0.	0.	0.
10	SLU-DRENO	Min	0.	0.	0.	0.	0.
10	SLV-DRENO	Max	0.	0.	0.	0.	0.
10	SLV-DRENO	Min	0.	0.	0.	0.	0.
10	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
10	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
10	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
10	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
10	SLV-CALOTTA	Max	-3.572	0.	-5.437	0.	0.
10	SLV-CALOTTA	Min	-3.572	0.	-5.437	0.	0.
11	SLE-DRENO	Max	0.	0.	0.	0.	0.
11	SLE-DRENO	Min	0.	0.	0.	0.	0.
11	SLU-DRENO	Max	0.	0.	0.	0.	0.
11	SLU-DRENO	Min	0.	0.	0.	0.	0.
11	SLV-DRENO	Max	0.	0.	0.	0.	0.
11	SLV-DRENO	Min	0.	0.	0.	0.	0.
11	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
11	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
11	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
11	SLU-CALOTTA	Min	0.	0.	0.	0.	0.



Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
11	SLV-CALOTTA	Max	-4.238	0.	-6.069	0.	0.
11	SLV-CALOTTA	Min	-4.238	0.	-6.069	0.	0.
12	SLE-DRENO	Max	0.	0.	0.	0.	0.
12	SLE-DRENO	Min	0.	0.	0.	0.	0.
12	SLU-DRENO	Max	0.	0.	0.	0.	0.
12	SLU-DRENO	Min	0.	0.	0.	0.	0.
12	SLV-DRENO	Max	0.	0.	0.	0.	0.
12	SLV-DRENO	Min	0.	0.	0.	0.	0.
12	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
12	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
12	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
12	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
12	SLV-CALOTTA	Max	-4.935	0.	-6.657	0.	0.
12	SLV-CALOTTA	Min	-4.935	0.	-6.657	0.	0.
13	SLE-DRENO	Max	0.	0.	0.	0.	0.
13	SLE-DRENO	Min	0.	0.	0.	0.	0.
13	SLU-DRENO	Max	0.	0.	0.	0.	0.
13	SLU-DRENO	Min	0.	0.	0.	0.	0.
13	SLV-DRENO	Max	0.	0.	0.	0.	0.
13	SLV-DRENO	Min	0.	0.	0.	0.	0.
13	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
13	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
13	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
13	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
13	SLV-CALOTTA	Max	-5.661	0.	-7.199	0.	0.
13	SLV-CALOTTA	Min	-5.661	0.	-7.199	0.	0.
14	SLE-DRENO	Max	0.	0.	0.	0.	0.
14	SLE-DRENO	Min	0.	0.	0.	0.	0.
14	SLU-DRENO	Max	0.	0.	0.	0.	0.
14	SLU-DRENO	Min	0.	0.	0.	0.	0.
14	SLV-DRENO	Max	0.	0.	0.	0.	0.
14	SLV-DRENO	Min	0.	0.	0.	0.	0.
14	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
14	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
14	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
14	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
14	SLV-CALOTTA	Max	-6.414	0.	-7.696	0.	0.
14	SLV-CALOTTA	Min	-6.414	0.	-7.696	0.	0.
15	SLE-DRENO	Max	0.	0.	0.	0.	0.
15	SLE-DRENO	Min	0.	0.	0.	0.	0.
15	SLU-DRENO	Max	0.	0.	0.	0.	0.
15	SLU-DRENO	Min	0.	0.	0.	0.	0.
15	SLV-DRENO	Max	0.	0.	0.	0.	0.
15	SLV-DRENO	Min	0.	0.	0.	0.	0.
15	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
15	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
15	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
15	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
15	SLV-CALOTTA	Max	-7.191	0.	-8.147	0.	0.
15	SLV-CALOTTA	Min	-7.191	0.	-8.147	0.	0.
16	SLE-DRENO	Max	-0.792	0.	-0.172	0.	0.
16	SLE-DRENO	Min	-0.792	0.	-0.172	0.	0.
16	SLU-DRENO	Max	-1.028	0.	-0.223	0.	0.
16	SLU-DRENO	Min	-1.028	0.	-0.223	0.	0.
16	SLV-DRENO	Max	-25.723	0.	-5.575	0.	0.
16	SLV-DRENO	Min	-25.723	0.	-5.575	0.	0.
16	SLE-CALOTTA	Max	-3.248	0.	-0.704	0.	0.
16	SLE-CALOTTA	Min	-3.248	0.	-0.704	0.	0.
16	SLU-CALOTTA	Max	-4.22	0.	-0.914	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
16	SLU-CALOTTA	Min	-4.22	0.	-0.914	0.	0.
16	SLV-CALOTTA	Max	-38.888	0.	-11.821	0.	0.
16	SLV-CALOTTA	Min	-38.888	0.	-11.821	0.	0.
17	SLE-DRENO	Max	-2.93	0.	-0.579	0.	0.
17	SLE-DRENO	Min	-2.93	0.	-0.579	0.	0.
17	SLU-DRENO	Max	-3.804	0.	-0.751	0.	0.
17	SLU-DRENO	Min	-3.804	0.	-0.751	0.	0.
17	SLV-DRENO	Max	-53.251	0.	-10.73	0.	0.
17	SLV-DRENO	Min	-53.251	0.	-10.73	0.	0.
17	SLE-CALOTTA	Max	-7.472	0.	-1.501	0.	0.
17	SLE-CALOTTA	Min	-7.472	0.	-1.501	0.	0.
17	SLU-CALOTTA	Max	-9.71	0.	-1.951	0.	0.
17	SLU-CALOTTA	Min	-9.71	0.	-1.951	0.	0.
17	SLV-CALOTTA	Max	-71.54	0.	-14.434	0.	0.
17	SLV-CALOTTA	Min	-71.54	0.	-14.434	0.	0.
18	SLE-DRENO	Max	-5.137	0.	-0.873	0.	0.
18	SLE-DRENO	Min	-5.137	0.	-0.873	0.	0.
18	SLU-DRENO	Max	-6.673	0.	-1.134	0.	0.
18	SLU-DRENO	Min	-6.673	0.	-1.134	0.	0.
18	SLV-DRENO	Max	-56.453	0.	-9.714	0.	0.
18	SLV-DRENO	Min	-56.453	0.	-9.714	0.	0.
18	SLE-CALOTTA	Max	-8.927	0.	-1.532	0.	0.
18	SLE-CALOTTA	Min	-8.927	0.	-1.532	0.	0.
18	SLU-CALOTTA	Max	-11.6	0.	-1.991	0.	0.
18	SLU-CALOTTA	Min	-11.6	0.	-1.991	0.	0.
18	SLV-CALOTTA	Max	-73.596	0.	-12.682	0.	0.
18	SLV-CALOTTA	Min	-73.596	0.	-12.682	0.	0.
19	SLE-DRENO	Max	-7.336	0.	-1.038	0.	0.
19	SLE-DRENO	Min	-7.336	0.	-1.038	0.	0.
19	SLU-DRENO	Max	-9.531	0.	-1.349	0.	0.
19	SLU-DRENO	Min	-9.531	0.	-1.349	0.	0.
19	SLV-DRENO	Max	-59.579	0.	-8.516	0.	0.
19	SLV-DRENO	Min	-59.579	0.	-8.516	0.	0.
19	SLE-CALOTTA	Max	-10.363	0.	-1.478	0.	0.
19	SLE-CALOTTA	Min	-10.363	0.	-1.478	0.	0.
19	SLU-CALOTTA	Max	-13.468	0.	-1.92	0.	0.
19	SLU-CALOTTA	Min	-13.468	0.	-1.92	0.	0.
19	SLV-CALOTTA	Max	-75.551	0.	-10.816	0.	0.
19	SLV-CALOTTA	Min	-75.551	0.	-10.816	0.	0.
20	SLE-DRENO	Max	-9.514	0.	-1.075	0.	0.
20	SLE-DRENO	Min	-9.514	0.	-1.075	0.	0.
20	SLU-DRENO	Max	-12.374	0.	-1.398	0.	0.
20	SLU-DRENO	Min	-12.374	0.	-1.398	0.	0.
20	SLV-DRENO	Max	-62.621	0.	-7.141	0.	0.
20	SLV-DRENO	Min	-62.621	0.	-7.141	0.	0.
20	SLE-CALOTTA	Max	-11.776	0.	-1.339	0.	0.
20	SLE-CALOTTA	Min	-11.776	0.	-1.339	0.	0.
20	SLU-CALOTTA	Max	-15.304	0.	-1.741	0.	0.
20	SLU-CALOTTA	Min	-15.304	0.	-1.741	0.	0.
20	SLV-CALOTTA	Max	-77.409	0.	-8.843	0.	0.
20	SLV-CALOTTA	Min	-77.409	0.	-8.843	0.	0.
21	SLE-DRENO	Max	-11.663	0.	-0.986	0.	0.
21	SLE-DRENO	Min	-11.663	0.	-0.986	0.	0.
21	SLU-DRENO	Max	-15.156	0.	-1.281	0.	0.
21	SLU-DRENO	Min	-15.156	0.	-1.281	0.	0.
21	SLV-DRENO	Max	-65.578	0.	-5.594	0.	0.
21	SLV-DRENO	Min	-65.578	0.	-5.594	0.	0.
21	SLE-CALOTTA	Max	-13.157	0.	-1.119	0.	0.
21	SLE-CALOTTA	Min	-13.157	0.	-1.119	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
21	SLU-CALOTTA	Max	-17.099	0.	-1.455	0.	0.
21	SLU-CALOTTA	Min	-17.099	0.	-1.455	0.	0.
21	SLV-CALOTTA	Max	-79.175	0.	-6.77	0.	0.
21	SLV-CALOTTA	Min	-79.175	0.	-6.77	0.	0.
22	SLE-DRENO	Max	-13.769	0.	-0.772	0.	0.
22	SLE-DRENO	Min	-13.769	0.	-0.772	0.	0.
22	SLU-DRENO	Max	-17.895	0.	-1.004	0.	0.
22	SLU-DRENO	Min	-17.895	0.	-1.004	0.	0.
22	SLV-DRENO	Max	-68.451	0.	-3.883	0.	0.
22	SLV-DRENO	Min	-68.451	0.	-3.883	0.	0.
22	SLE-CALOTTA	Max	-14.5	0.	-0.82	0.	0.
22	SLE-CALOTTA	Min	-14.5	0.	-0.82	0.	0.
22	SLU-CALOTTA	Max	-18.845	0.	-1.065	0.	0.
22	SLU-CALOTTA	Min	-18.845	0.	-1.065	0.	0.
22	SLV-CALOTTA	Max	-80.861	0.	-4.602	0.	0.
22	SLV-CALOTTA	Min	-80.861	0.	-4.602	0.	0.
23	SLE-DRENO	Max	-15.826	0.	-0.438	0.	0.
23	SLE-DRENO	Min	-15.826	0.	-0.438	0.	0.
23	SLU-DRENO	Max	-20.569	0.	-0.57	0.	0.
23	SLU-DRENO	Min	-20.569	0.	-0.57	0.	0.
23	SLV-DRENO	Max	-71.241	0.	-2.011	0.	0.
23	SLV-DRENO	Min	-71.241	0.	-2.011	0.	0.
23	SLE-CALOTTA	Max	-15.8	0.	-0.443	0.	0.
23	SLE-CALOTTA	Min	-15.8	0.	-0.443	0.	0.
23	SLU-CALOTTA	Max	-20.535	0.	-0.576	0.	0.
23	SLU-CALOTTA	Min	-20.535	0.	-0.576	0.	0.
23	SLV-CALOTTA	Max	-82.474	0.	-2.343	0.	0.
23	SLV-CALOTTA	Min	-82.474	0.	-2.343	0.	0.
24	SLE-DRENO	Max	-17.557	-1.110E-15	-0.015	0.	0.
24	SLE-DRENO	Min	-17.557	-1.110E-15	-0.015	0.	0.
24	SLU-DRENO	Max	-22.819	-1.443E-15	-0.02	0.	0.
24	SLU-DRENO	Min	-22.819	-1.443E-15	-0.02	0.	0.
24	SLV-DRENO	Max	-73.071	-4.490E-15	-0.092	0.	0.
24	SLV-DRENO	Min	-73.071	-4.490E-15	-0.092	0.	0.
24	SLE-CALOTTA	Max	-16.83	-1.044E-15	-0.019	0.	0.
24	SLE-CALOTTA	Min	-16.83	-1.044E-15	-0.019	0.	0.
24	SLU-CALOTTA	Max	-21.874	-1.357E-15	-0.025	0.	0.
24	SLU-CALOTTA	Min	-21.874	-1.357E-15	-0.025	0.	0.
24	SLV-CALOTTA	Max	-83.119	-5.051E-15	-0.116	0.	0.
24	SLV-CALOTTA	Min	-83.119	-5.051E-15	-0.116	0.	0.
25	SLE-DRENO	Max	-19.051	-2.334E-15	0.451	0.	0.
25	SLE-DRENO	Min	-19.051	-2.334E-15	0.451	0.	0.
25	SLU-DRENO	Max	-24.761	-3.033E-15	0.586	0.	0.
25	SLU-DRENO	Min	-24.761	-3.033E-15	0.586	0.	0.
25	SLV-DRENO	Max	-74.592	-9.138E-15	1.745	0.	0.
25	SLV-DRENO	Min	-74.592	-9.138E-15	1.745	0.	0.
25	SLE-CALOTTA	Max	-17.708	-2.169E-15	0.416	0.	0.
25	SLE-CALOTTA	Min	-17.708	-2.169E-15	0.416	0.	0.
25	SLU-CALOTTA	Max	-23.016	-2.820E-15	0.54	0.	0.
25	SLU-CALOTTA	Min	-23.016	-2.820E-15	0.54	0.	0.
25	SLV-CALOTTA	Max	-83.615	-1.024E-14	1.946	0.	0.
25	SLV-CALOTTA	Min	-83.615	-1.024E-14	1.946	0.	0.
26	SLE-DRENO	Max	-20.59	-2.524E-15	0.966	0.	0.
26	SLE-DRENO	Min	-20.59	-2.524E-15	0.966	0.	0.
26	SLU-DRENO	Max	-26.762	-3.281E-15	1.255	0.	0.
26	SLU-DRENO	Min	-26.762	-3.281E-15	1.255	0.	0.
26	SLV-DRENO	Max	-76.712	-9.405E-15	3.579	0.	0.
26	SLV-DRENO	Min	-76.712	-9.405E-15	3.579	0.	0.
26	SLE-CALOTTA	Max	-18.669	-2.289E-15	0.873	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
26	SLE-CALOTTA	Min	-18.669	-2.289E-15	0.873	0.	0.
26	SLU-CALOTTA	Max	-24.265	-2.975E-15	1.134	0.	0.
26	SLU-CALOTTA	Min	-24.265	-2.975E-15	1.134	0.	0.
26	SLV-CALOTTA	Max	-84.904	-1.041E-14	3.952	0.	0.
26	SLV-CALOTTA	Min	-84.904	-1.041E-14	3.952	0.	0.
27	SLE-DRENO	Max	-22.063	-2.709E-15	1.549	0.	0.
27	SLE-DRENO	Min	-22.063	-2.709E-15	1.549	0.	0.
27	SLU-DRENO	Max	-28.677	-3.521E-15	2.013	0.	0.
27	SLU-DRENO	Min	-28.677	-3.521E-15	2.013	0.	0.
27	SLV-DRENO	Max	-78.738	-9.667E-15	5.51	0.	0.
27	SLV-DRENO	Min	-78.738	-9.667E-15	5.51	0.	0.
27	SLE-CALOTTA	Max	-19.568	-2.402E-15	1.371	0.	0.
27	SLE-CALOTTA	Min	-19.568	-2.402E-15	1.371	0.	0.
27	SLU-CALOTTA	Max	-25.433	-3.122E-15	1.782	0.	0.
27	SLU-CALOTTA	Min	-25.433	-3.122E-15	1.782	0.	0.
27	SLV-CALOTTA	Max	-86.094	-1.057E-14	6.015	0.	0.
27	SLV-CALOTTA	Min	-86.094	-1.057E-14	6.015	0.	0.
28	SLE-DRENO	Max	-20.352	-2.503E-15	1.842	0.	0.
28	SLE-DRENO	Min	-20.352	-2.503E-15	1.842	0.	0.
28	SLU-DRENO	Max	-26.453	-3.253E-15	2.394	0.	0.
28	SLU-DRENO	Min	-26.453	-3.253E-15	2.394	0.	0.
28	SLV-DRENO	Max	-70.266	-8.641E-15	6.349	0.	0.
28	SLV-DRENO	Min	-70.266	-8.641E-15	6.349	0.	0.
28	SLE-CALOTTA	Max	-17.743	-2.182E-15	1.604	0.	0.
28	SLE-CALOTTA	Min	-17.743	-2.182E-15	1.604	0.	0.
28	SLU-CALOTTA	Max	-23.062	-2.836E-15	2.085	0.	0.
28	SLU-CALOTTA	Min	-23.062	-2.836E-15	2.085	0.	0.
28	SLV-CALOTTA	Max	-76.105	-9.359E-15	6.871	0.	0.
28	SLV-CALOTTA	Min	-76.105	-9.359E-15	6.871	0.	0.
29	SLE-DRENO	Max	-18.266	-2.251E-15	2.026	0.	0.
29	SLE-DRENO	Min	-18.266	-2.251E-15	2.026	0.	0.
29	SLU-DRENO	Max	-23.742	-2.926E-15	2.634	0.	0.
29	SLU-DRENO	Min	-23.742	-2.926E-15	2.634	0.	0.
29	SLV-DRENO	Max	-61.223	-7.544E-15	6.784	0.	0.
29	SLV-DRENO	Min	-61.223	-7.544E-15	6.784	0.	0.
29	SLE-CALOTTA	Max	-15.657	-1.929E-15	1.736	0.	0.
29	SLE-CALOTTA	Min	-15.657	-1.929E-15	1.736	0.	0.
29	SLU-CALOTTA	Max	-20.35	-2.508E-15	2.256	0.	0.
29	SLU-CALOTTA	Min	-20.35	-2.508E-15	2.256	0.	0.
29	SLV-CALOTTA	Max	-65.601	-8.083E-15	7.266	0.	0.
29	SLV-CALOTTA	Min	-65.601	-8.083E-15	7.266	0.	0.
30	SLE-DRENO	Max	-19.	-2.346E-15	2.441	0.	0.
30	SLE-DRENO	Min	-19.	-2.346E-15	2.441	0.	0.
30	SLU-DRENO	Max	-24.695	-3.049E-15	3.173	0.	0.
30	SLU-DRENO	Min	-24.695	-3.049E-15	3.173	0.	0.
30	SLV-DRENO	Max	-62.229	-7.684E-15	7.989	0.	0.
30	SLV-DRENO	Min	-62.229	-7.684E-15	7.989	0.	0.
30	SLE-CALOTTA	Max	-16.071	-1.984E-15	2.064	0.	0.
30	SLE-CALOTTA	Min	-16.071	-1.984E-15	2.064	0.	0.
30	SLU-CALOTTA	Max	-20.888	-2.579E-15	2.682	0.	0.
30	SLU-CALOTTA	Min	-20.888	-2.579E-15	2.682	0.	0.
30	SLV-CALOTTA	Max	-66.124	-8.165E-15	8.486	0.	0.
30	SLV-CALOTTA	Min	-66.124	-8.165E-15	8.486	0.	0.
31	SLE-DRENO	Max	-22.647	-5.105E-15	395.655	0.	0.4712
31	SLE-DRENO	Min	-22.647	-5.105E-15	395.655	0.	0.4712
31	SLU-DRENO	Max	-29.438	-6.636E-15	514.34	0.	0.6122
31	SLU-DRENO	Min	-29.438	-6.636E-15	514.34	0.	0.6122
31	SLV-DRENO	Max	-53.116	-1.043E-14	541.128	0.	3.0852
31	SLV-DRENO	Min	-53.116	-1.043E-14	541.128	0.	3.0852

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
31	SLE-CALOTTA	Max	-15.623	-3.261E-15	207.643	0.	0.7618
31	SLE-CALOTTA	Min	-15.623	-3.261E-15	207.643	0.	0.7618
31	SLU-CALOTTA	Max	-20.308	-4.238E-15	269.931	0.	0.9899
31	SLU-CALOTTA	Min	-20.308	-4.238E-15	269.931	0.	0.9899
31	SLV-CALOTTA	Max	-44.5	-7.490E-15	142.015	0.	6.8623
31	SLV-CALOTTA	Min	-44.5	-7.490E-15	142.015	0.	6.8623
32	SLE-DRENO	Max	-25.931	-7.821E-15	58.357	0.	0.
32	SLE-DRENO	Min	-25.931	-7.821E-15	58.357	0.	0.
32	SLU-DRENO	Max	-33.709	-1.017E-14	75.861	0.	0.
32	SLU-DRENO	Min	-33.709	-1.017E-14	75.861	0.	0.
32	SLV-DRENO	Max	-43.575	-1.314E-14	98.065	0.	0.
32	SLV-DRENO	Min	-43.575	-1.314E-14	98.065	0.	0.
32	SLE-CALOTTA	Max	-14.975	-4.516E-15	33.702	0.	0.
32	SLE-CALOTTA	Min	-14.975	-4.516E-15	33.702	0.	0.
32	SLU-CALOTTA	Max	-19.467	-5.871E-15	43.81	0.	0.
32	SLU-CALOTTA	Min	-19.467	-5.871E-15	43.81	0.	0.
32	SLV-CALOTTA	Max	-22.784	-6.871E-15	51.274	0.	0.
32	SLV-CALOTTA	Min	-22.784	-6.871E-15	51.274	0.	0.
33	SLE-DRENO	Max	-25.942	-7.824E-15	58.383	0.	0.
33	SLE-DRENO	Min	-25.942	-7.824E-15	58.383	0.	0.
33	SLU-DRENO	Max	-33.723	-1.017E-14	75.894	0.	0.
33	SLU-DRENO	Min	-33.723	-1.017E-14	75.894	0.	0.
33	SLV-DRENO	Max	-43.762	-1.320E-14	98.485	0.	0.
33	SLV-DRENO	Min	-43.762	-1.320E-14	98.485	0.	0.
33	SLE-CALOTTA	Max	-15.	-4.524E-15	33.758	0.	0.
33	SLE-CALOTTA	Min	-15.	-4.524E-15	33.758	0.	0.
33	SLU-CALOTTA	Max	-19.499	-5.881E-15	43.883	0.	0.
33	SLU-CALOTTA	Min	-19.499	-5.881E-15	43.883	0.	0.
33	SLV-CALOTTA	Max	-23.205	-6.998E-15	52.223	0.	0.
33	SLV-CALOTTA	Min	-23.205	-6.998E-15	52.223	0.	0.
34	SLE-DRENO	Max	-25.438	-7.841E-15	58.75	0.	0.
34	SLE-DRENO	Min	-25.438	-7.841E-15	58.75	0.	0.
34	SLU-DRENO	Max	-33.068	-1.019E-14	76.371	0.	0.
34	SLU-DRENO	Min	-33.068	-1.019E-14	76.371	0.	0.
34	SLV-DRENO	Max	-42.902	-1.322E-14	99.071	0.	0.
34	SLV-DRENO	Min	-42.902	-1.322E-14	99.071	0.	0.
34	SLE-CALOTTA	Max	-14.687	-4.527E-15	33.918	0.	0.
34	SLE-CALOTTA	Min	-14.687	-4.527E-15	33.918	0.	0.
34	SLU-CALOTTA	Max	-19.092	-5.884E-15	44.09	0.	0.
34	SLU-CALOTTA	Min	-19.092	-5.884E-15	44.09	0.	0.
34	SLV-CALOTTA	Max	-22.844	-7.039E-15	52.738	0.	0.
34	SLV-CALOTTA	Min	-22.844	-7.039E-15	52.738	0.	0.
35	SLE-DRENO	Max	-23.827	-7.866E-15	59.636	0.	0.
35	SLE-DRENO	Min	-23.827	-7.866E-15	59.636	0.	0.
35	SLU-DRENO	Max	-30.973	-1.023E-14	77.524	0.	0.
35	SLU-DRENO	Min	-30.973	-1.023E-14	77.524	0.	0.
35	SLV-DRENO	Max	-39.838	-1.315E-14	99.661	0.	0.
35	SLV-DRENO	Min	-39.838	-1.315E-14	99.661	0.	0.
35	SLE-CALOTTA	Max	-13.671	-4.512E-15	34.208	0.	0.
35	SLE-CALOTTA	Min	-13.671	-4.512E-15	34.208	0.	0.
35	SLU-CALOTTA	Max	-17.771	-5.866E-15	44.468	0.	0.
35	SLU-CALOTTA	Min	-17.771	-5.866E-15	44.468	0.	0.
35	SLV-CALOTTA	Max	-20.899	-6.890E-15	52.227	0.	0.
35	SLV-CALOTTA	Min	-20.899	-6.890E-15	52.227	0.	0.
36	SLE-DRENO	Max	-21.582	-7.880E-15	60.605	0.	0.
36	SLE-DRENO	Min	-21.582	-7.880E-15	60.605	0.	0.
36	SLU-DRENO	Max	-28.055	-1.024E-14	78.783	0.	0.
36	SLU-DRENO	Min	-28.055	-1.024E-14	78.783	0.	0.
36	SLV-DRENO	Max	-35.605	-1.299E-14	99.93	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
36	SLV-DRENO	Min	-35.605	-1.299E-14	99.93	0.	0.
36	SLE-CALOTTA	Max	-12.273	-4.480E-15	34.455	0.	0.
36	SLE-CALOTTA	Min	-12.273	-4.480E-15	34.455	0.	0.
36	SLU-CALOTTA	Max	-15.954	-5.824E-15	44.789	0.	0.
36	SLU-CALOTTA	Min	-15.954	-5.824E-15	44.789	0.	0.
36	SLV-CALOTTA	Max	-18.193	-6.632E-15	50.999	0.	0.
36	SLV-CALOTTA	Min	-18.193	-6.632E-15	50.999	0.	0.
37	SLE-DRENO	Max	-19.274	-7.884E-15	61.413	0.	0.
37	SLE-DRENO	Min	-19.274	-7.884E-15	61.413	0.	0.
37	SLU-DRENO	Max	-25.055	-1.025E-14	79.833	0.	0.
37	SLU-DRENO	Min	-25.055	-1.025E-14	79.833	0.	0.
37	SLV-DRENO	Max	-31.372	-1.283E-14	99.9	0.	0.
37	SLV-DRENO	Min	-31.372	-1.283E-14	99.9	0.	0.
37	SLE-CALOTTA	Max	-10.863	-4.442E-15	34.603	0.	0.
37	SLE-CALOTTA	Min	-10.863	-4.442E-15	34.603	0.	0.
37	SLU-CALOTTA	Max	-14.121	-5.775E-15	44.982	0.	0.
37	SLU-CALOTTA	Min	-14.121	-5.775E-15	44.982	0.	0.
37	SLV-CALOTTA	Max	-15.589	-6.365E-15	49.569	0.	0.
37	SLV-CALOTTA	Min	-15.589	-6.365E-15	49.569	0.	0.
38	SLE-DRENO	Max	-16.918	-7.880E-15	62.068	0.	0.
38	SLE-DRENO	Min	-16.918	-7.880E-15	62.068	0.	0.
38	SLU-DRENO	Max	-21.993	-1.024E-14	80.685	0.	0.
38	SLU-DRENO	Min	-21.993	-1.024E-14	80.685	0.	0.
38	SLV-DRENO	Max	-27.162	-1.264E-14	99.58	0.	0.
38	SLV-DRENO	Min	-27.162	-1.264E-14	99.58	0.	0.
38	SLE-CALOTTA	Max	-9.452	-4.401E-15	34.666	0.	0.
38	SLE-CALOTTA	Min	-9.452	-4.401E-15	34.666	0.	0.
38	SLU-CALOTTA	Max	-12.287	-5.721E-15	45.063	0.	0.
38	SLU-CALOTTA	Min	-12.287	-5.721E-15	45.063	0.	0.
38	SLV-CALOTTA	Max	-13.103	-6.089E-15	47.956	0.	0.
38	SLV-CALOTTA	Min	-13.103	-6.089E-15	47.956	0.	0.
39	SLE-DRENO	Max	-14.528	-7.869E-15	62.579	0.	0.
39	SLE-DRENO	Min	-14.528	-7.869E-15	62.579	0.	0.
39	SLU-DRENO	Max	-18.885	-1.023E-14	81.349	0.	0.
39	SLU-DRENO	Min	-18.885	-1.023E-14	81.349	0.	0.
39	SLV-DRENO	Max	-22.996	-1.245E-14	98.975	0.	0.
39	SLV-DRENO	Min	-22.996	-1.245E-14	98.975	0.	0.
39	SLE-CALOTTA	Max	-8.048	-4.358E-15	34.656	0.	0.
39	SLE-CALOTTA	Min	-8.048	-4.358E-15	34.656	0.	0.
39	SLU-CALOTTA	Max	-10.462	-5.665E-15	45.05	0.	0.
39	SLU-CALOTTA	Min	-10.462	-5.665E-15	45.05	0.	0.
39	SLV-CALOTTA	Max	-10.751	-5.807E-15	46.177	0.	0.
39	SLV-CALOTTA	Min	-10.751	-5.807E-15	46.177	0.	0.
40	SLE-DRENO	Max	-12.114	-7.852E-15	62.951	0.	0.
40	SLE-DRENO	Min	-12.114	-7.852E-15	62.951	0.	0.
40	SLU-DRENO	Max	-15.747	-1.021E-14	81.833	0.	0.
40	SLU-DRENO	Min	-15.747	-1.021E-14	81.833	0.	0.
40	SLV-DRENO	Max	-18.895	-1.224E-14	98.094	0.	0.
40	SLV-DRENO	Min	-18.895	-1.224E-14	98.094	0.	0.
40	SLE-CALOTTA	Max	-6.658	-4.314E-15	34.585	0.	0.
40	SLE-CALOTTA	Min	-6.658	-4.314E-15	34.585	0.	0.
40	SLU-CALOTTA	Max	-8.656	-5.608E-15	44.958	0.	0.
40	SLU-CALOTTA	Min	-8.656	-5.608E-15	44.958	0.	0.
40	SLV-CALOTTA	Max	-8.547	-5.520E-15	44.252	0.	0.
40	SLV-CALOTTA	Min	-8.547	-5.520E-15	44.252	0.	0.
41	SLE-DRENO	Max	-9.687	-7.831E-15	63.193	0.	0.
41	SLE-DRENO	Min	-9.687	-7.831E-15	63.193	0.	0.
41	SLU-DRENO	Max	-12.593	-1.018E-14	82.148	0.	0.
41	SLU-DRENO	Min	-12.593	-1.018E-14	82.148	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
41	SLV-DRENO	Max	-14.88	-1.201E-14	96.943	0.	0.
41	SLV-DRENO	Min	-14.88	-1.201E-14	96.943	0.	0.
41	SLE-CALOTTA	Max	-5.286	-4.271E-15	34.464	0.	0.
41	SLE-CALOTTA	Min	-5.286	-4.271E-15	34.464	0.	0.
41	SLU-CALOTTA	Max	-6.872	-5.552E-15	44.801	0.	0.
41	SLU-CALOTTA	Min	-6.872	-5.552E-15	44.801	0.	0.
41	SLV-CALOTTA	Max	-6.499	-5.229E-15	42.194	0.	0.
41	SLV-CALOTTA	Min	-6.499	-5.229E-15	42.194	0.	0.
42	SLE-DRENO	Max	-7.256	-7.805E-15	63.31	0.	0.
42	SLE-DRENO	Min	-7.256	-7.805E-15	63.31	0.	0.
42	SLU-DRENO	Max	-9.432	-1.015E-14	82.3	0.	0.
42	SLU-DRENO	Min	-9.432	-1.015E-14	82.3	0.	0.
42	SLV-DRENO	Max	-10.967	-1.178E-14	95.53	0.	0.
42	SLV-DRENO	Min	-10.967	-1.178E-14	95.53	0.	0.
42	SLE-CALOTTA	Max	-3.934	-4.229E-15	34.301	0.	0.
42	SLE-CALOTTA	Min	-3.934	-4.229E-15	34.301	0.	0.
42	SLU-CALOTTA	Max	-5.115	-5.497E-15	44.59	0.	0.
42	SLU-CALOTTA	Min	-5.115	-5.497E-15	44.59	0.	0.
42	SLV-CALOTTA	Max	-4.618	-4.935E-15	40.023	0.	0.
42	SLV-CALOTTA	Min	-4.618	-4.935E-15	40.023	0.	0.
43	SLE-DRENO	Max	-4.828	-7.777E-15	63.306	0.	0.
43	SLE-DRENO	Min	-4.828	-7.777E-15	63.306	0.	0.
43	SLU-DRENO	Max	-6.276	-1.011E-14	82.295	0.	0.
43	SLU-DRENO	Min	-6.276	-1.011E-14	82.295	0.	0.
43	SLV-DRENO	Max	-7.177	-1.153E-14	93.861	0.	0.
43	SLV-DRENO	Min	-7.177	-1.153E-14	93.861	0.	0.
43	SLE-CALOTTA	Max	-2.604	-4.190E-15	34.105	0.	0.
43	SLE-CALOTTA	Min	-2.604	-4.190E-15	34.105	0.	0.
43	SLU-CALOTTA	Max	-3.385	-5.446E-15	44.335	0.	0.
43	SLU-CALOTTA	Min	-3.385	-5.446E-15	44.335	0.	0.
43	SLV-CALOTTA	Max	-2.91	-4.637E-15	37.748	0.	0.
43	SLV-CALOTTA	Min	-2.91	-4.637E-15	37.748	0.	0.
44	SLE-DRENO	Max	-2.409	-7.745E-15	63.185	0.	0.
44	SLE-DRENO	Min	-2.409	-7.745E-15	63.185	0.	0.
44	SLU-DRENO	Max	-3.132	-1.007E-14	82.138	0.	0.
44	SLU-DRENO	Min	-3.132	-1.007E-14	82.138	0.	0.
44	SLV-DRENO	Max	-3.525	-1.127E-14	91.944	0.	0.
44	SLV-DRENO	Min	-3.525	-1.127E-14	91.944	0.	0.
44	SLE-CALOTTA	Max	-1.295	-4.153E-15	33.881	0.	0.
44	SLE-CALOTTA	Min	-1.295	-4.153E-15	33.881	0.	0.
44	SLU-CALOTTA	Max	-1.684	-5.399E-15	44.044	0.	0.
44	SLU-CALOTTA	Min	-1.684	-5.399E-15	44.044	0.	0.
44	SLV-CALOTTA	Max	-1.38	-4.338E-15	35.386	0.	0.
44	SLV-CALOTTA	Min	-1.38	-4.338E-15	35.386	0.	0.
45	SLE-DRENO	Max	-7.195E-03	-7.711E-15	62.95	0.	0.
45	SLE-DRENO	Min	-7.195E-03	-7.711E-15	62.95	0.	0.
45	SLU-DRENO	Max	-9.351E-03	-1.002E-14	81.833	0.	0.
45	SLU-DRENO	Min	-9.351E-03	-1.002E-14	81.833	0.	0.
45	SLV-DRENO	Max	-0.029	-1.100E-14	89.785	0.	0.
45	SLV-DRENO	Min	-0.029	-1.100E-14	89.785	0.	0.
45	SLE-CALOTTA	Max	-7.089E-03	-4.119E-15	33.632	0.	0.
45	SLE-CALOTTA	Min	-7.089E-03	-4.119E-15	33.632	0.	0.
45	SLU-CALOTTA	Max	-9.213E-03	-5.355E-15	43.72	0.	0.
45	SLU-CALOTTA	Min	-9.213E-03	-5.355E-15	43.72	0.	0.
45	SLV-CALOTTA	Max	-0.035	-4.036E-15	32.946	0.	0.
45	SLV-CALOTTA	Min	-0.035	-4.036E-15	32.946	0.	0.
46	SLE-DRENO	Max	0.	0.	0.	0.	0.
46	SLE-DRENO	Min	0.	0.	0.	0.	0.
46	SLU-DRENO	Max	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
46	SLU-DRENO	Min	0.	0.	0.	0.	0.
46	SLV-DRENO	Max	0.	0.	0.	0.	0.
46	SLV-DRENO	Min	0.	0.	0.	0.	0.
46	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
46	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
46	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
46	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
46	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
46	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
47	SLE-DRENO	Max	0.	0.	0.	0.	0.
47	SLE-DRENO	Min	0.	0.	0.	0.	0.
47	SLU-DRENO	Max	0.	0.	0.	0.	0.
47	SLU-DRENO	Min	0.	0.	0.	0.	0.
47	SLV-DRENO	Max	0.	0.	0.	0.	0.
47	SLV-DRENO	Min	0.	0.	0.	0.	0.
47	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
47	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
47	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
47	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
47	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
47	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
48	SLE-DRENO	Max	0.	0.	0.	0.	0.
48	SLE-DRENO	Min	0.	0.	0.	0.	0.
48	SLU-DRENO	Max	0.	0.	0.	0.	0.
48	SLU-DRENO	Min	0.	0.	0.	0.	0.
48	SLV-DRENO	Max	0.	0.	0.	0.	0.
48	SLV-DRENO	Min	0.	0.	0.	0.	0.
48	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
48	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
48	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
48	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
48	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
48	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
49	SLE-DRENO	Max	0.	0.	0.	0.	0.
49	SLE-DRENO	Min	0.	0.	0.	0.	0.
49	SLU-DRENO	Max	0.	0.	0.	0.	0.
49	SLU-DRENO	Min	0.	0.	0.	0.	0.
49	SLV-DRENO	Max	0.	0.	0.	0.	0.
49	SLV-DRENO	Min	0.	0.	0.	0.	0.
49	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
49	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
49	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
49	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
49	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
49	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
50	SLE-DRENO	Max	0.	0.	0.	0.	0.
50	SLE-DRENO	Min	0.	0.	0.	0.	0.
50	SLU-DRENO	Max	0.	0.	0.	0.	0.
50	SLU-DRENO	Min	0.	0.	0.	0.	0.
50	SLV-DRENO	Max	0.	0.	0.	0.	0.
50	SLV-DRENO	Min	0.	0.	0.	0.	0.
50	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
50	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
50	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
50	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
50	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
50	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
51	SLE-DRENO	Max	0.	0.	0.	0.	0.
51	SLE-DRENO	Min	0.	0.	0.	0.	0.



Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
51	SLU-DRENO	Max	0.	0.	0.	0.	0.
51	SLU-DRENO	Min	0.	0.	0.	0.	0.
51	SLV-DRENO	Max	0.	0.	0.	0.	0.
51	SLV-DRENO	Min	0.	0.	0.	0.	0.
51	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
51	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
51	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
51	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
51	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
51	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
52	SLE-DRENO	Max	0.	0.	0.	0.	0.
52	SLE-DRENO	Min	0.	0.	0.	0.	0.
52	SLU-DRENO	Max	0.	0.	0.	0.	0.
52	SLU-DRENO	Min	0.	0.	0.	0.	0.
52	SLV-DRENO	Max	0.	0.	0.	0.	0.
52	SLV-DRENO	Min	0.	0.	0.	0.	0.
52	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
52	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
52	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
52	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
52	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
52	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
53	SLE-DRENO	Max	0.	0.	0.	0.	0.
53	SLE-DRENO	Min	0.	0.	0.	0.	0.
53	SLU-DRENO	Max	0.	0.	0.	0.	0.
53	SLU-DRENO	Min	0.	0.	0.	0.	0.
53	SLV-DRENO	Max	0.	0.	0.	0.	0.
53	SLV-DRENO	Min	0.	0.	0.	0.	0.
53	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
53	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
53	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
53	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
53	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
53	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
54	SLE-DRENO	Max	0.	0.	0.	0.	0.
54	SLE-DRENO	Min	0.	0.	0.	0.	0.
54	SLU-DRENO	Max	0.	0.	0.	0.	0.
54	SLU-DRENO	Min	0.	0.	0.	0.	0.
54	SLV-DRENO	Max	0.	0.	0.	0.	0.
54	SLV-DRENO	Min	0.	0.	0.	0.	0.
54	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
54	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
54	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
54	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
54	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
54	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
55	SLE-DRENO	Max	0.	0.	0.	0.	0.
55	SLE-DRENO	Min	0.	0.	0.	0.	0.
55	SLU-DRENO	Max	0.	0.	0.	0.	0.
55	SLU-DRENO	Min	0.	0.	0.	0.	0.
55	SLV-DRENO	Max	0.	0.	0.	0.	0.
55	SLV-DRENO	Min	0.	0.	0.	0.	0.
55	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
55	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
55	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
55	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
55	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
55	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
56	SLE-DRENO	Max	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
56	SLE-DRENO	Min	0.	0.	0.	0.	0.
56	SLU-DRENO	Max	0.	0.	0.	0.	0.
56	SLU-DRENO	Min	0.	0.	0.	0.	0.
56	SLV-DRENO	Max	0.	0.	0.	0.	0.
56	SLV-DRENO	Min	0.	0.	0.	0.	0.
56	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
56	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
56	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
56	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
56	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
56	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
57	SLE-DRENO	Max	0.	0.	0.	0.	0.
57	SLE-DRENO	Min	0.	0.	0.	0.	0.
57	SLU-DRENO	Max	0.	0.	0.	0.	0.
57	SLU-DRENO	Min	0.	0.	0.	0.	0.
57	SLV-DRENO	Max	0.	0.	0.	0.	0.
57	SLV-DRENO	Min	0.	0.	0.	0.	0.
57	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
57	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
57	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
57	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
57	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
57	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
58	SLE-DRENO	Max	0.	0.	0.	0.	0.
58	SLE-DRENO	Min	0.	0.	0.	0.	0.
58	SLU-DRENO	Max	0.	0.	0.	0.	0.
58	SLU-DRENO	Min	0.	0.	0.	0.	0.
58	SLV-DRENO	Max	0.	0.	0.	0.	0.
58	SLV-DRENO	Min	0.	0.	0.	0.	0.
58	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
58	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
58	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
58	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
58	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
58	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
59	SLE-DRENO	Max	0.	0.	0.	0.	0.
59	SLE-DRENO	Min	0.	0.	0.	0.	0.
59	SLU-DRENO	Max	0.	0.	0.	0.	0.
59	SLU-DRENO	Min	0.	0.	0.	0.	0.
59	SLV-DRENO	Max	0.	0.	0.	0.	0.
59	SLV-DRENO	Min	0.	0.	0.	0.	0.
59	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
59	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
59	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
59	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
59	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
59	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
60	SLE-DRENO	Max	0.	0.	0.	0.	0.
60	SLE-DRENO	Min	0.	0.	0.	0.	0.
60	SLU-DRENO	Max	0.	0.	0.	0.	0.
60	SLU-DRENO	Min	0.	0.	0.	0.	0.
60	SLV-DRENO	Max	0.	0.	0.	0.	0.
60	SLV-DRENO	Min	0.	0.	0.	0.	0.
60	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
60	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
60	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
60	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
60	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
60	SLV-CALOTTA	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
61	SLE-DRENO	Max	0.	0.	0.	0.	0.
61	SLE-DRENO	Min	0.	0.	0.	0.	0.
61	SLU-DRENO	Max	0.	0.	0.	0.	0.
61	SLU-DRENO	Min	0.	0.	0.	0.	0.
61	SLV-DRENO	Max	0.	0.	0.	0.	0.
61	SLV-DRENO	Min	0.	0.	0.	0.	0.
61	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
61	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
61	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
61	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
61	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
61	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
62	SLE-DRENO	Max	0.	0.	0.	0.	0.
62	SLE-DRENO	Min	0.	0.	0.	0.	0.
62	SLU-DRENO	Max	0.	0.	0.	0.	0.
62	SLU-DRENO	Min	0.	0.	0.	0.	0.
62	SLV-DRENO	Max	0.	0.	0.	0.	0.
62	SLV-DRENO	Min	0.	0.	0.	0.	0.
62	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
62	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
62	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
62	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
62	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
62	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
63	SLE-DRENO	Max	0.	0.	0.	0.	0.
63	SLE-DRENO	Min	0.	0.	0.	0.	0.
63	SLU-DRENO	Max	0.	0.	0.	0.	0.
63	SLU-DRENO	Min	0.	0.	0.	0.	0.
63	SLV-DRENO	Max	0.	0.	0.	0.	0.
63	SLV-DRENO	Min	0.	0.	0.	0.	0.
63	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
63	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
63	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
63	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
63	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
63	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
64	SLE-DRENO	Max	0.	0.	0.	0.	0.
64	SLE-DRENO	Min	0.	0.	0.	0.	0.
64	SLU-DRENO	Max	0.	0.	0.	0.	0.
64	SLU-DRENO	Min	0.	0.	0.	0.	0.
64	SLV-DRENO	Max	0.	0.	0.	0.	0.
64	SLV-DRENO	Min	0.	0.	0.	0.	0.
64	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
64	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
64	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
64	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
64	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
64	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
65	SLE-DRENO	Max	0.	0.	0.	0.	0.
65	SLE-DRENO	Min	0.	0.	0.	0.	0.
65	SLU-DRENO	Max	0.	0.	0.	0.	0.
65	SLU-DRENO	Min	0.	0.	0.	0.	0.
65	SLV-DRENO	Max	0.	0.	0.	0.	0.
65	SLV-DRENO	Min	0.	0.	0.	0.	0.
65	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
65	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
65	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
65	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
65	SLV-CALOTTA	Max	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
65	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
66	SLE-DRENO	Max	0.	0.	0.	0.	0.
66	SLE-DRENO	Min	0.	0.	0.	0.	0.
66	SLU-DRENO	Max	0.	0.	0.	0.	0.
66	SLU-DRENO	Min	0.	0.	0.	0.	0.
66	SLV-DRENO	Max	0.	0.	0.	0.	0.
66	SLV-DRENO	Min	0.	0.	0.	0.	0.
66	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
66	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
66	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
66	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
66	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
66	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
67	SLE-DRENO	Max	0.	0.	0.	0.	0.
67	SLE-DRENO	Min	0.	0.	0.	0.	0.
67	SLU-DRENO	Max	0.	0.	0.	0.	0.
67	SLU-DRENO	Min	0.	0.	0.	0.	0.
67	SLV-DRENO	Max	0.	0.	0.	0.	0.
67	SLV-DRENO	Min	0.	0.	0.	0.	0.
67	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
67	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
67	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
67	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
67	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
67	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
68	SLE-DRENO	Max	0.	0.	0.	0.	0.
68	SLE-DRENO	Min	0.	0.	0.	0.	0.
68	SLU-DRENO	Max	0.	0.	0.	0.	0.
68	SLU-DRENO	Min	0.	0.	0.	0.	0.
68	SLV-DRENO	Max	0.	0.	0.	0.	0.
68	SLV-DRENO	Min	0.	0.	0.	0.	0.
68	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
68	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
68	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
68	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
68	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
68	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
69	SLE-DRENO	Max	0.	0.	0.	0.	0.
69	SLE-DRENO	Min	0.	0.	0.	0.	0.
69	SLU-DRENO	Max	0.	0.	0.	0.	0.
69	SLU-DRENO	Min	0.	0.	0.	0.	0.
69	SLV-DRENO	Max	0.	0.	0.	0.	0.
69	SLV-DRENO	Min	0.	0.	0.	0.	0.
69	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
69	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
69	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
69	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
69	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
69	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
70	SLE-DRENO	Max	0.	0.	0.	0.	0.
70	SLE-DRENO	Min	0.	0.	0.	0.	0.
70	SLU-DRENO	Max	0.	0.	0.	0.	0.
70	SLU-DRENO	Min	0.	0.	0.	0.	0.
70	SLV-DRENO	Max	0.	0.	0.	0.	0.
70	SLV-DRENO	Min	0.	0.	0.	0.	0.
70	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
70	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
70	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
70	SLU-CALOTTA	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
70	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
70	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
71	SLE-DRENO	Max	0.	0.	0.	0.	0.
71	SLE-DRENO	Min	0.	0.	0.	0.	0.
71	SLU-DRENO	Max	0.	0.	0.	0.	0.
71	SLU-DRENO	Min	0.	0.	0.	0.	0.
71	SLV-DRENO	Max	0.	0.	0.	0.	0.
71	SLV-DRENO	Min	0.	0.	0.	0.	0.
71	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
71	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
71	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
71	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
71	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
71	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
72	SLE-DRENO	Max	0.	0.	0.	0.	0.
72	SLE-DRENO	Min	0.	0.	0.	0.	0.
72	SLU-DRENO	Max	0.	0.	0.	0.	0.
72	SLU-DRENO	Min	0.	0.	0.	0.	0.
72	SLV-DRENO	Max	0.	0.	0.	0.	0.
72	SLV-DRENO	Min	0.	0.	0.	0.	0.
72	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
72	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
72	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
72	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
72	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
72	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
73	SLE-DRENO	Max	0.	0.	0.	0.	0.
73	SLE-DRENO	Min	0.	0.	0.	0.	0.
73	SLU-DRENO	Max	0.	0.	0.	0.	0.
73	SLU-DRENO	Min	0.	0.	0.	0.	0.
73	SLV-DRENO	Max	0.	0.	0.	0.	0.
73	SLV-DRENO	Min	0.	0.	0.	0.	0.
73	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
73	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
73	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
73	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
73	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
73	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
74	SLE-DRENO	Max	0.	0.	0.	0.	0.
74	SLE-DRENO	Min	0.	0.	0.	0.	0.
74	SLU-DRENO	Max	0.	0.	0.	0.	0.
74	SLU-DRENO	Min	0.	0.	0.	0.	0.
74	SLV-DRENO	Max	0.	0.	0.	0.	0.
74	SLV-DRENO	Min	0.	0.	0.	0.	0.
74	SLE-CALOTTA	Max	0.	0.	0.	0.	0.
74	SLE-CALOTTA	Min	0.	0.	0.	0.	0.
74	SLU-CALOTTA	Max	0.	0.	0.	0.	0.
74	SLU-CALOTTA	Min	0.	0.	0.	0.	0.
74	SLV-CALOTTA	Max	0.	0.	0.	0.	0.
74	SLV-CALOTTA	Min	0.	0.	0.	0.	0.
75	SLE-DRENO	Max	12.049	-3.634E-15	460.905	0.	4.2414
75	SLE-DRENO	Min	12.049	-3.634E-15	460.905	0.	4.2414
75	SLU-DRENO	Max	15.663	-4.724E-15	599.155	0.	5.5135
75	SLU-DRENO	Min	15.663	-4.724E-15	599.155	0.	5.5135
75	SLV-DRENO	Max	12.016	-3.624E-15	623.467	0.	3.1066
75	SLV-DRENO	Min	12.016	-3.624E-15	623.467	0.	3.1066
75	SLE-CALOTTA	Max	6.753	-2.037E-15	277.572	0.	4.3706
75	SLE-CALOTTA	Min	6.753	-2.037E-15	277.572	0.	4.3706
75	SLU-CALOTTA	Max	8.778	-2.647E-15	360.829	0.	5.6816

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
75	SLU-CALOTTA	Min	8.778	-2.647E-15	360.829	0.	5.6816
75	SLV-CALOTTA	Max	1.374	-4.143E-16	295.436	0.	5.7339
75	SLV-CALOTTA	Min	1.374	-4.143E-16	295.436	0.	5.7339
76	SLE-DRENO	Max	23.81	-7.181E-15	53.584	0.	0.
76	SLE-DRENO	Min	23.81	-7.181E-15	53.584	0.	0.
76	SLU-DRENO	Max	30.952	-9.335E-15	69.658	0.	0.
76	SLU-DRENO	Min	30.952	-9.335E-15	69.658	0.	0.
76	SLV-DRENO	Max	23.821	-7.184E-15	53.609	0.	0.
76	SLV-DRENO	Min	23.821	-7.184E-15	53.609	0.	0.
76	SLE-CALOTTA	Max	13.207	-3.983E-15	29.723	0.	0.
76	SLE-CALOTTA	Min	13.207	-3.983E-15	29.723	0.	0.
76	SLU-CALOTTA	Max	17.17	-5.178E-15	38.64	0.	0.
76	SLU-CALOTTA	Min	17.17	-5.178E-15	38.64	0.	0.
76	SLV-CALOTTA	Max	2.365	-7.131E-16	5.321	0.	0.
76	SLV-CALOTTA	Min	2.365	-7.131E-16	5.321	0.	0.
77	SLE-DRENO	Max	23.512	-7.091E-15	52.913	0.	0.
77	SLE-DRENO	Min	23.512	-7.091E-15	52.913	0.	0.
77	SLU-DRENO	Max	30.565	-9.218E-15	68.786	0.	0.
77	SLU-DRENO	Min	30.565	-9.218E-15	68.786	0.	0.
77	SLV-DRENO	Max	23.598	-7.117E-15	53.107	0.	0.
77	SLV-DRENO	Min	23.598	-7.117E-15	53.107	0.	0.
77	SLE-CALOTTA	Max	12.897	-3.889E-15	29.024	0.	0.
77	SLE-CALOTTA	Min	12.897	-3.889E-15	29.024	0.	0.
77	SLU-CALOTTA	Max	16.766	-5.056E-15	37.731	0.	0.
77	SLU-CALOTTA	Min	16.766	-5.056E-15	37.731	0.	0.
77	SLV-CALOTTA	Max	1.968	-5.936E-16	4.429	0.	0.
77	SLV-CALOTTA	Min	1.968	-5.936E-16	4.429	0.	0.
78	SLE-DRENO	Max	22.89	-7.056E-15	52.874	0.	0.
78	SLE-DRENO	Min	22.89	-7.056E-15	52.874	0.	0.
78	SLU-DRENO	Max	29.757	-9.173E-15	68.735	0.	0.
78	SLU-DRENO	Min	29.757	-9.173E-15	68.735	0.	0.
78	SLV-DRENO	Max	23.293	-7.182E-15	53.819	0.	0.
78	SLV-DRENO	Min	23.293	-7.182E-15	53.819	0.	0.
78	SLE-CALOTTA	Max	12.433	-3.833E-15	28.72	0.	0.
78	SLE-CALOTTA	Min	12.433	-3.833E-15	28.72	0.	0.
78	SLU-CALOTTA	Max	16.162	-4.983E-15	37.336	0.	0.
78	SLU-CALOTTA	Min	16.162	-4.983E-15	37.336	0.	0.
78	SLV-CALOTTA	Max	1.906	-5.903E-16	4.427	0.	0.
78	SLV-CALOTTA	Min	1.906	-5.903E-16	4.427	0.	0.
79	SLE-DRENO	Max	21.546	-7.117E-15	53.966	0.	0.
79	SLE-DRENO	Min	21.546	-7.117E-15	53.966	0.	0.
79	SLU-DRENO	Max	28.008	-9.252E-15	70.15	0.	0.
79	SLU-DRENO	Min	28.008	-9.252E-15	70.15	0.	0.
79	SLV-DRENO	Max	22.672	-7.497E-15	56.85	0.	0.
79	SLV-DRENO	Min	22.672	-7.497E-15	56.85	0.	0.
79	SLE-CALOTTA	Max	11.638	-3.845E-15	29.157	0.	0.
79	SLE-CALOTTA	Min	11.638	-3.845E-15	29.157	0.	0.
79	SLU-CALOTTA	Max	15.129	-4.999E-15	37.904	0.	0.
79	SLU-CALOTTA	Min	15.129	-4.999E-15	37.904	0.	0.
79	SLV-CALOTTA	Max	2.457	-8.226E-16	6.251	0.	0.
79	SLV-CALOTTA	Min	2.457	-8.226E-16	6.251	0.	0.
80	SLE-DRENO	Max	19.737	-7.211E-15	55.467	0.	0.
80	SLE-DRENO	Min	19.737	-7.211E-15	55.467	0.	0.
80	SLU-DRENO	Max	25.658	-9.374E-15	72.105	0.	0.
80	SLU-DRENO	Min	25.658	-9.374E-15	72.105	0.	0.
80	SLV-DRENO	Max	21.649	-7.918E-15	60.909	0.	0.
80	SLV-DRENO	Min	21.649	-7.918E-15	60.909	0.	0.
80	SLE-CALOTTA	Max	10.627	-3.884E-15	29.875	0.	0.
80	SLE-CALOTTA	Min	10.627	-3.884E-15	29.875	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
80	SLU-CALOTTA	Max	13.815	-5.049E-15	38.837	0.	0.
80	SLU-CALOTTA	Min	13.815	-5.049E-15	38.837	0.	0.
80	SLV-CALOTTA	Max	3.166	-1.169E-15	9.005	0.	0.
80	SLV-CALOTTA	Min	3.166	-1.169E-15	9.005	0.	0.
81	SLE-DRENO	Max	17.818	-7.294E-15	56.82	0.	0.
81	SLE-DRENO	Min	17.818	-7.294E-15	56.82	0.	0.
81	SLU-DRENO	Max	23.162	-9.482E-15	73.864	0.	0.
81	SLU-DRENO	Min	23.162	-9.482E-15	73.864	0.	0.
81	SLV-DRENO	Max	20.307	-8.321E-15	64.832	0.	0.
81	SLV-DRENO	Min	20.307	-8.321E-15	64.832	0.	0.
81	SLE-CALOTTA	Max	9.563	-3.916E-15	30.507	0.	0.
81	SLE-CALOTTA	Min	9.563	-3.916E-15	30.507	0.	0.
81	SLU-CALOTTA	Max	12.432	-5.091E-15	39.658	0.	0.
81	SLU-CALOTTA	Min	12.432	-5.091E-15	39.658	0.	0.
81	SLV-CALOTTA	Max	3.649	-1.508E-15	11.754	0.	0.
81	SLV-CALOTTA	Min	3.649	-1.508E-15	11.754	0.	0.
82	SLE-DRENO	Max	15.803	-7.367E-15	58.03	0.	0.
82	SLE-DRENO	Min	15.803	-7.367E-15	58.03	0.	0.
82	SLU-DRENO	Max	20.544	-9.577E-15	75.442	0.	0.
82	SLU-DRENO	Min	20.544	-9.577E-15	75.442	0.	0.
82	SLV-DRENO	Max	18.66	-8.709E-15	68.605	0.	0.
82	SLV-DRENO	Min	18.66	-8.709E-15	68.605	0.	0.
82	SLE-CALOTTA	Max	8.456	-3.943E-15	31.063	0.	0.
82	SLE-CALOTTA	Min	8.456	-3.943E-15	31.063	0.	0.
82	SLU-CALOTTA	Max	10.992	-5.126E-15	40.381	0.	0.
82	SLU-CALOTTA	Min	10.992	-5.126E-15	40.381	0.	0.
82	SLV-CALOTTA	Max	3.913	-1.839E-15	14.498	0.	0.
82	SLV-CALOTTA	Min	3.913	-1.839E-15	14.498	0.	0.
83	SLE-DRENO	Max	13.707	-7.432E-15	59.105	0.	0.
83	SLE-DRENO	Min	13.707	-7.432E-15	59.105	0.	0.
83	SLU-DRENO	Max	17.818	-9.661E-15	76.834	0.	0.
83	SLU-DRENO	Min	17.818	-9.661E-15	76.834	0.	0.
83	SLV-DRENO	Max	16.725	-9.079E-15	72.214	0.	0.
83	SLV-DRENO	Min	16.725	-9.079E-15	72.214	0.	0.
83	SLE-CALOTTA	Max	7.314	-3.967E-15	31.554	0.	0.
83	SLE-CALOTTA	Min	7.314	-3.967E-15	31.554	0.	0.
83	SLU-CALOTTA	Max	9.508	-5.158E-15	41.02	0.	0.
83	SLU-CALOTTA	Min	9.508	-5.158E-15	41.02	0.	0.
83	SLV-CALOTTA	Max	3.96	-2.165E-15	17.227	0.	0.
83	SLV-CALOTTA	Min	3.96	-2.165E-15	17.227	0.	0.
84	SLE-DRENO	Max	11.541	-7.490E-15	60.048	0.	0.
84	SLE-DRENO	Min	11.541	-7.490E-15	60.048	0.	0.
84	SLU-DRENO	Max	15.001	-9.735E-15	78.053	0.	0.
84	SLU-DRENO	Min	15.001	-9.735E-15	78.053	0.	0.
84	SLV-DRENO	Max	14.518	-9.435E-15	75.647	0.	0.
84	SLV-DRENO	Min	14.518	-9.435E-15	75.647	0.	0.
84	SLE-CALOTTA	Max	6.145	-3.990E-15	31.992	0.	0.
84	SLE-CALOTTA	Min	6.145	-3.990E-15	31.992	0.	0.
84	SLU-CALOTTA	Max	7.989	-5.187E-15	41.588	0.	0.
84	SLU-CALOTTA	Min	7.989	-5.187E-15	41.588	0.	0.
84	SLV-CALOTTA	Max	3.798	-2.486E-15	19.935	0.	0.
84	SLV-CALOTTA	Min	3.798	-2.486E-15	19.935	0.	0.
85	SLE-DRENO	Max	9.316	-7.542E-15	60.865	0.	0.
85	SLE-DRENO	Min	9.316	-7.542E-15	60.865	0.	0.
85	SLU-DRENO	Max	12.11	-9.804E-15	79.123	0.	0.
85	SLU-DRENO	Min	12.11	-9.804E-15	79.123	0.	0.
85	SLV-DRENO	Max	12.054	-9.775E-15	78.891	0.	0.
85	SLV-DRENO	Min	12.054	-9.775E-15	78.891	0.	0.
85	SLE-CALOTTA	Max	4.953	-4.013E-15	32.384	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
85	SLE-CALOTTA	Min	4.953	-4.013E-15	32.384	0.	0.
85	SLU-CALOTTA	Max	6.439	-5.216E-15	42.098	0.	0.
85	SLU-CALOTTA	Min	6.439	-5.216E-15	42.098	0.	0.
85	SLV-CALOTTA	Max	3.429	-2.802E-15	22.62	0.	0.
85	SLV-CALOTTA	Min	3.429	-2.802E-15	22.62	0.	0.
86	SLE-DRENO	Max	7.041	-7.590E-15	61.561	0.	0.
86	SLE-DRENO	Min	7.041	-7.590E-15	61.561	0.	0.
86	SLU-DRENO	Max	9.153	-9.866E-15	80.027	0.	0.
86	SLU-DRENO	Min	9.153	-9.866E-15	80.027	0.	0.
86	SLV-DRENO	Max	9.351	-1.010E-14	81.936	0.	0.
86	SLV-DRENO	Min	9.351	-1.010E-14	81.936	0.	0.
86	SLE-CALOTTA	Max	3.741	-4.036E-15	32.739	0.	0.
86	SLE-CALOTTA	Min	3.741	-4.036E-15	32.739	0.	0.
86	SLU-CALOTTA	Max	4.863	-5.247E-15	42.559	0.	0.
86	SLU-CALOTTA	Min	4.863	-5.247E-15	42.559	0.	0.
86	SLV-CALOTTA	Max	2.858	-3.115E-15	25.271	0.	0.
86	SLV-CALOTTA	Min	2.858	-3.115E-15	25.271	0.	0.
87	SLE-DRENO	Max	4.724	-7.633E-15	62.139	0.	0.
87	SLE-DRENO	Min	4.724	-7.633E-15	62.139	0.	0.
87	SLU-DRENO	Max	6.141	-9.923E-15	80.778	0.	0.
87	SLU-DRENO	Min	6.141	-9.923E-15	80.778	0.	0.
87	SLV-DRENO	Max	6.425	-1.041E-14	84.773	0.	0.
87	SLV-DRENO	Min	6.425	-1.041E-14	84.773	0.	0.
87	SLE-CALOTTA	Max	2.51	-4.061E-15	33.062	0.	0.
87	SLE-CALOTTA	Min	2.51	-4.061E-15	33.062	0.	0.
87	SLU-CALOTTA	Max	3.263	-5.280E-15	42.979	0.	0.
87	SLU-CALOTTA	Min	3.263	-5.280E-15	42.979	0.	0.
87	SLV-CALOTTA	Max	2.088	-3.424E-15	27.879	0.	0.
87	SLV-CALOTTA	Min	2.088	-3.424E-15	27.879	0.	0.
88	SLE-DRENO	Max	2.373	-7.673E-15	62.601	0.	0.
88	SLE-DRENO	Min	2.373	-7.673E-15	62.601	0.	0.
88	SLU-DRENO	Max	3.084	-9.975E-15	81.379	0.	0.
88	SLU-DRENO	Min	3.084	-9.975E-15	81.379	0.	0.
88	SLV-DRENO	Max	3.293	-1.071E-14	87.392	0.	0.
88	SLV-DRENO	Min	3.293	-1.071E-14	87.392	0.	0.
88	SLE-CALOTTA	Max	1.261	-4.089E-15	33.359	0.	0.
88	SLE-CALOTTA	Min	1.261	-4.089E-15	33.359	0.	0.
88	SLU-CALOTTA	Max	1.639	-5.315E-15	43.365	0.	0.
88	SLU-CALOTTA	Min	1.639	-5.315E-15	43.365	0.	0.
88	SLV-CALOTTA	Max	1.123	-3.734E-15	30.465	0.	0.
88	SLV-CALOTTA	Min	1.123	-3.734E-15	30.465	0.	0.

Table 20: Joint Reactions, Part 2 of 2

Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.







Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
13	0.
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14	0.
14	0.
14	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
16	0.
16	0.
16	0.
16	0.

**Table 20: Joint Reactions,  
Part 2 of 2**

<b>Joint</b>	<b>M3 KN-m</b>
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
18	0.
18	0.
18	0.
18	0.
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19	0.
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20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
21	0.
21	0.

**Table 20: Joint Reactions,  
 Part 2 of 2**

Joint	M3 KN-m
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
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24	0.
25	0.
25	0.
25	0.
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25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.

Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.

**Table 20: Joint Reactions,  
 Part 2 of 2**

Joint	M3 KN-m
30	0.
30	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
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34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.





Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
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42	0.
42	0.
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42	0.
42	0.
42	0.
42	0.
42	0.
43	0.
43	0.
43	0.
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44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
45	0.
45	0.
45	0.
45	0.

**Table 20: Joint Reactions,  
Part 2 of 2**

<b>Joint</b>	<b>M3 KN-m</b>
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
46	0.
46	0.
46	0.
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46	0.
47	0.
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47	0.
48	0.
48	0.
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48	0.
48	0.
48	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
50	0.
50	0.



**Table 20: Joint Reactions,  
Part 2 of 2**

<b>Joint</b>	<b>M3 KN-m</b>
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
56	0.
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59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.



Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
64	0.
64	0.
64	0.
64	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
66	0.
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67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.



Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
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76	0.
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78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
79	0.
79	0.







**Table 20: Joint Reactions,  
Part 2 of 2**

Joint	M3 KN-m
88	0.
88	0.

## 8. Frame results

This section provides frame force results.

**Table 21: Element Forces - Frames, Part 1 of 2****Table 21: Element Forces - Frames, Part 1 of 2**

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
1	0.	SLE-DRENO	Max	-624.81	45.047	-6.944E-14
1	0.24678	SLE-DRENO	Max	-625.041	51.211	-6.944E-14
1	0.49356	SLE-DRENO	Max	-625.272	57.374	-6.944E-14
1	0.	SLE-DRENO	Min	-624.81	45.047	-6.944E-14
1	0.24678	SLE-DRENO	Min	-625.041	51.211	-6.944E-14
1	0.49356	SLE-DRENO	Min	-625.272	57.374	-6.944E-14
1	0.	SLU-DRENO	Max	-812.198	58.552	-7.225E-14
1	0.24678	SLU-DRENO	Max	-812.498	66.564	-7.225E-14
1	0.49356	SLU-DRENO	Max	-812.798	74.577	-7.225E-14
1	0.	SLU-DRENO	Min	-812.198	58.552	-7.225E-14
1	0.24678	SLU-DRENO	Min	-812.498	66.564	-7.225E-14
1	0.49356	SLU-DRENO	Min	-812.798	74.577	-7.225E-14
1	0.	SLV-DRENO	Max	-903.255	108.723	-9.956E-14
1	0.24678	SLV-DRENO	Max	-910.48	115.427	-9.956E-14
1	0.49356	SLV-DRENO	Max	-917.706	122.131	-9.956E-14
1	0.	SLV-DRENO	Min	-903.255	108.723	-9.956E-14
1	0.24678	SLV-DRENO	Min	-910.48	115.427	-9.956E-14
1	0.49356	SLV-DRENO	Min	-917.706	122.131	-9.956E-14
1	0.	SLE-CALOTTA	Max	-672.539	39.914	-4.267E-14
1	0.24678	SLE-CALOTTA	Max	-672.769	46.077	-4.267E-14
1	0.49356	SLE-CALOTTA	Max	-673.	52.241	-4.267E-14
1	0.	SLE-CALOTTA	Min	-672.539	39.914	-4.267E-14
1	0.24678	SLE-CALOTTA	Min	-672.769	46.077	-4.267E-14
1	0.49356	SLE-CALOTTA	Min	-673.	52.241	-4.267E-14
1	0.	SLU-CALOTTA	Max	-874.257	51.88	-3.557E-14
1	0.24678	SLU-CALOTTA	Max	-874.556	59.893	-3.557E-14
1	0.49356	SLU-CALOTTA	Max	-874.856	67.905	-3.557E-14
1	0.	SLU-CALOTTA	Min	-874.257	51.88	-3.557E-14
1	0.24678	SLU-CALOTTA	Min	-874.556	59.893	-3.557E-14
1	0.49356	SLU-CALOTTA	Min	-874.856	67.905	-3.557E-14
1	0.	SLV-CALOTTA	Max	-981.669	74.816	-4.268E-14
1	0.24678	SLV-CALOTTA	Max	-988.895	81.52	-4.268E-14
1	0.49356	SLV-CALOTTA	Max	-996.12	88.224	-4.268E-14
1	0.	SLV-CALOTTA	Min	-981.669	74.816	-4.268E-14
1	0.24678	SLV-CALOTTA	Min	-988.895	81.52	-4.268E-14
1	0.49356	SLV-CALOTTA	Min	-996.12	88.224	-4.268E-14
2	0.	SLE-DRENO	Max	-630.846	55.204	-7.300E-14
2	0.24678	SLE-DRENO	Max	-631.536	61.333	-7.300E-14
2	0.49356	SLE-DRENO	Max	-632.227	67.462	-7.300E-14
2	0.	SLE-DRENO	Min	-630.846	55.204	-7.300E-14
2	0.24678	SLE-DRENO	Min	-631.536	61.333	-7.300E-14
2	0.49356	SLE-DRENO	Min	-632.227	67.462	-7.300E-14
2	0.	SLU-DRENO	Max	-820.043	71.756	-7.215E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
2	0.24678	SLU-DRENO	Max	-820.941	79.723	-7.215E-14
2	0.49356	SLU-DRENO	Max	-821.839	87.691	-7.215E-14
2	0.	SLU-DRENO	Min	-820.043	71.756	-7.215E-14
2	0.24678	SLU-DRENO	Min	-820.941	79.723	-7.215E-14
2	0.49356	SLU-DRENO	Min	-821.839	87.691	-7.215E-14
2	0.	SLV-DRENO	Max	-917.483	104.889	-9.245E-14
2	0.24678	SLV-DRENO	Max	-925.189	111.035	-9.245E-14
2	0.49356	SLV-DRENO	Max	-932.895	117.18	-9.245E-14
2	0.	SLV-DRENO	Min	-917.483	104.889	-9.245E-14
2	0.24678	SLV-DRENO	Min	-925.189	111.035	-9.245E-14
2	0.49356	SLV-DRENO	Min	-932.895	117.18	-9.245E-14
2	0.	SLE-CALOTTA	Max	-678.054	46.519	-2.844E-14
2	0.24678	SLE-CALOTTA	Max	-678.745	52.647	-2.844E-14
2	0.49356	SLE-CALOTTA	Max	-679.436	58.776	-2.844E-14
2	0.	SLE-CALOTTA	Min	-678.054	46.519	-2.844E-14
2	0.24678	SLE-CALOTTA	Min	-678.745	52.647	-2.844E-14
2	0.49356	SLE-CALOTTA	Min	-679.436	58.776	-2.844E-14
2	0.	SLU-CALOTTA	Max	-881.426	60.467	-3.557E-14
2	0.24678	SLU-CALOTTA	Max	-882.324	68.435	-3.557E-14
2	0.49356	SLU-CALOTTA	Max	-883.222	76.402	-3.557E-14
2	0.	SLU-CALOTTA	Min	-881.426	60.467	-3.557E-14
2	0.24678	SLU-CALOTTA	Min	-882.324	68.435	-3.557E-14
2	0.49356	SLU-CALOTTA	Min	-883.222	76.402	-3.557E-14
2	0.	SLV-CALOTTA	Max	-993.118	65.014	-2.847E-14
2	0.24678	SLV-CALOTTA	Max	-1000.825	71.16	-2.847E-14
2	0.49356	SLV-CALOTTA	Max	-1008.531	77.305	-2.847E-14
2	0.	SLV-CALOTTA	Min	-993.118	65.014	-2.847E-14
2	0.24678	SLV-CALOTTA	Min	-1000.825	71.16	-2.847E-14
2	0.49356	SLV-CALOTTA	Min	-1008.531	77.305	-2.847E-14
3	0.	SLE-DRENO	Max	-639.823	64.079	-3.925E-14
3	0.24678	SLE-DRENO	Max	-640.97	70.139	-3.925E-14
3	0.49356	SLE-DRENO	Max	-642.116	76.199	-3.925E-14
3	0.	SLE-DRENO	Min	-639.823	64.079	-3.925E-14
3	0.24678	SLE-DRENO	Min	-640.97	70.139	-3.925E-14
3	0.49356	SLE-DRENO	Min	-642.116	76.199	-3.925E-14
3	0.	SLU-DRENO	Max	-831.713	83.293	-5.780E-14
3	0.24678	SLU-DRENO	Max	-833.204	91.172	-5.780E-14
3	0.49356	SLU-DRENO	Max	-834.695	99.05	-5.780E-14
3	0.	SLU-DRENO	Min	-831.713	83.293	-5.780E-14
3	0.24678	SLU-DRENO	Min	-833.204	91.172	-5.780E-14
3	0.49356	SLU-DRENO	Min	-834.695	99.05	-5.780E-14
3	0.	SLV-DRENO	Max	-934.385	98.722	-7.822E-14
3	0.24678	SLV-DRENO	Max	-942.529	104.274	-7.822E-14
3	0.49356	SLV-DRENO	Max	-950.673	109.826	-7.822E-14
3	0.	SLV-DRENO	Min	-934.385	98.722	-7.822E-14
3	0.24678	SLV-DRENO	Min	-942.529	104.274	-7.822E-14
3	0.49356	SLV-DRENO	Min	-950.673	109.826	-7.822E-14
3	0.	SLE-CALOTTA	Max	-686.229	51.894	-5.686E-14
3	0.24678	SLE-CALOTTA	Max	-687.376	57.954	-5.686E-14
3	0.49356	SLE-CALOTTA	Max	-688.522	64.014	-5.686E-14
3	0.	SLE-CALOTTA	Min	-686.229	51.894	-5.686E-14
3	0.24678	SLE-CALOTTA	Min	-687.376	57.954	-5.686E-14
3	0.49356	SLE-CALOTTA	Min	-688.522	64.014	-5.686E-14
3	0.	SLU-CALOTTA	Max	-892.053	67.456	-3.557E-14
3	0.24678	SLU-CALOTTA	Max	-893.543	75.335	-3.557E-14
3	0.49356	SLU-CALOTTA	Max	-895.034	83.213	-3.557E-14
3	0.	SLU-CALOTTA	Min	-892.053	67.456	-3.557E-14
3	0.24678	SLU-CALOTTA	Min	-893.543	75.335	-3.557E-14
3	0.49356	SLU-CALOTTA	Min	-895.034	83.213	-3.557E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
3	0.	SLV-CALOTTA	Max	-1006.66	52.511	-4.267E-14
3	0.24678	SLV-CALOTTA	Max	-1014.804	58.063	-4.267E-14
3	0.49356	SLV-CALOTTA	Max	-1022.948	63.616	-4.267E-14
3	0.	SLV-CALOTTA	Min	-1006.66	52.511	-4.267E-14
3	0.24678	SLV-CALOTTA	Min	-1014.804	58.063	-4.267E-14
3	0.49356	SLV-CALOTTA	Min	-1022.948	63.616	-4.267E-14
4	0.	SLE-DRENO	Max	-651.588	71.572	-5.163E-14
4	0.24678	SLE-DRENO	Max	-653.184	77.53	-5.163E-14
4	0.49356	SLE-DRENO	Max	-654.781	83.487	-5.163E-14
4	0.	SLE-DRENO	Min	-651.588	71.572	-5.163E-14
4	0.24678	SLE-DRENO	Min	-653.184	77.53	-5.163E-14
4	0.49356	SLE-DRENO	Min	-654.781	83.487	-5.163E-14
4	0.	SLU-DRENO	Max	-847.007	93.035	-6.495E-14
4	0.24678	SLU-DRENO	Max	-849.082	100.78	-6.495E-14
4	0.49356	SLU-DRENO	Max	-851.158	108.525	-6.495E-14
4	0.	SLU-DRENO	Min	-847.007	93.035	-6.495E-14
4	0.24678	SLU-DRENO	Min	-849.082	100.78	-6.495E-14
4	0.49356	SLU-DRENO	Min	-851.158	108.525	-6.495E-14
4	0.	SLV-DRENO	Max	-953.685	90.078	-7.822E-14
4	0.24678	SLV-DRENO	Max	-962.221	95.007	-7.822E-14
4	0.49356	SLV-DRENO	Max	-970.756	99.935	-7.822E-14
4	0.	SLV-DRENO	Min	-953.685	90.078	-7.822E-14
4	0.24678	SLV-DRENO	Min	-962.221	95.007	-7.822E-14
4	0.49356	SLV-DRENO	Min	-970.756	99.935	-7.822E-14
4	0.	SLE-CALOTTA	Max	-696.882	55.973	-2.776E-17
4	0.24678	SLE-CALOTTA	Max	-698.479	61.93	-2.776E-17
4	0.49356	SLE-CALOTTA	Max	-700.075	67.888	-2.776E-17
4	0.	SLE-CALOTTA	Min	-696.882	55.973	-2.776E-17
4	0.24678	SLE-CALOTTA	Min	-698.479	61.93	-2.776E-17
4	0.49356	SLE-CALOTTA	Min	-700.075	67.888	-2.776E-17
4	0.	SLU-CALOTTA	Max	-905.902	72.76	-3.556E-14
4	0.24678	SLU-CALOTTA	Max	-907.977	80.505	-3.556E-14
4	0.49356	SLU-CALOTTA	Max	-910.052	88.25	-3.556E-14
4	0.	SLU-CALOTTA	Min	-905.902	72.76	-3.556E-14
4	0.24678	SLU-CALOTTA	Min	-907.977	80.505	-3.556E-14
4	0.49356	SLU-CALOTTA	Min	-910.052	88.25	-3.556E-14
4	0.	SLV-CALOTTA	Max	-1021.779	36.875	-4.268E-14
4	0.24678	SLV-CALOTTA	Max	-1030.315	41.803	-4.268E-14
4	0.49356	SLV-CALOTTA	Max	-1038.851	46.731	-4.268E-14
4	0.	SLV-CALOTTA	Min	-1021.779	36.875	-4.268E-14
4	0.24678	SLV-CALOTTA	Min	-1030.315	41.803	-4.268E-14
4	0.49356	SLV-CALOTTA	Min	-1038.851	46.731	-4.268E-14
5	0.	SLE-DRENO	Max	-665.977	77.595	-8.993E-15
5	0.24678	SLE-DRENO	Max	-668.014	83.417	-8.993E-15
5	0.49356	SLE-DRENO	Max	-670.051	89.238	-8.993E-15
5	0.	SLE-DRENO	Min	-665.977	77.595	-8.993E-15
5	0.24678	SLE-DRENO	Min	-668.014	83.417	-8.993E-15
5	0.49356	SLE-DRENO	Min	-670.051	89.238	-8.993E-15
5	0.	SLU-DRENO	Max	-865.713	100.865	-4.323E-14
5	0.24678	SLU-DRENO	Max	-868.361	108.433	-4.323E-14
5	0.49356	SLU-DRENO	Max	-871.009	116.002	-4.323E-14
5	0.	SLU-DRENO	Min	-865.713	100.865	-4.323E-14
5	0.24678	SLU-DRENO	Min	-868.361	108.433	-4.323E-14
5	0.49356	SLU-DRENO	Min	-871.009	116.002	-4.323E-14
5	0.	SLV-DRENO	Max	-975.093	78.839	-6.398E-14
5	0.24678	SLV-DRENO	Max	-983.974	83.116	-6.398E-14
5	0.49356	SLV-DRENO	Max	-992.854	87.392	-6.398E-14
5	0.	SLV-DRENO	Min	-975.093	78.839	-6.398E-14
5	0.24678	SLV-DRENO	Min	-983.974	83.116	-6.398E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
5	0.49356	SLV-DRENO	Min	-992.854	87.392	-6.398E-14
5	0.	SLE-CALOTTA	Max	-709.816	58.711	-2.844E-14
5	0.24678	SLE-CALOTTA	Max	-711.853	64.533	-2.844E-14
5	0.49356	SLE-CALOTTA	Max	-713.89	70.355	-2.844E-14
5	0.	SLE-CALOTTA	Min	-709.816	58.711	-2.844E-14
5	0.24678	SLE-CALOTTA	Min	-711.853	64.533	-2.844E-14
5	0.49356	SLE-CALOTTA	Min	-713.89	70.355	-2.844E-14
5	0.	SLU-CALOTTA	Max	-922.715	76.322	-2.134E-14
5	0.24678	SLU-CALOTTA	Max	-925.363	83.89	-2.134E-14
5	0.49356	SLU-CALOTTA	Max	-928.011	91.458	-2.134E-14
5	0.	SLU-CALOTTA	Min	-922.715	76.322	-2.134E-14
5	0.24678	SLU-CALOTTA	Min	-925.363	83.89	-2.134E-14
5	0.49356	SLU-CALOTTA	Min	-928.011	91.458	-2.134E-14
5	0.	SLV-CALOTTA	Max	-1037.852	17.795	-4.267E-14
5	0.24678	SLV-CALOTTA	Max	-1046.733	22.072	-4.267E-14
5	0.49356	SLV-CALOTTA	Max	-1055.613	26.348	-4.267E-14
5	0.	SLV-CALOTTA	Min	-1037.852	17.795	-4.267E-14
5	0.24678	SLV-CALOTTA	Min	-1046.733	22.072	-4.267E-14
5	0.49356	SLV-CALOTTA	Min	-1055.613	26.348	-4.267E-14
6	0.	SLE-DRENO	Max	-682.815	82.062	-3.917E-14
6	0.24678	SLE-DRENO	Max	-685.282	87.715	-3.917E-14
6	0.49356	SLE-DRENO	Max	-687.748	93.368	-3.917E-14
6	0.	SLE-DRENO	Min	-682.815	82.062	-3.917E-14
6	0.24678	SLE-DRENO	Min	-685.282	87.715	-3.917E-14
6	0.49356	SLE-DRENO	Min	-687.748	93.368	-3.917E-14
6	0.	SLU-DRENO	Max	-887.602	106.674	-4.322E-14
6	0.24678	SLU-DRENO	Max	-890.808	114.023	-4.322E-14
6	0.49356	SLU-DRENO	Max	-894.014	121.372	-4.322E-14
6	0.	SLU-DRENO	Min	-887.602	106.674	-4.322E-14
6	0.24678	SLU-DRENO	Min	-890.808	114.023	-4.322E-14
6	0.49356	SLU-DRENO	Min	-894.014	121.372	-4.322E-14
6	0.	SLV-DRENO	Max	-998.309	64.895	-5.690E-14
6	0.24678	SLV-DRENO	Max	-1007.484	68.496	-5.690E-14
6	0.49356	SLV-DRENO	Max	-1016.659	72.097	-5.690E-14
6	0.	SLV-DRENO	Min	-998.309	64.895	-5.690E-14
6	0.24678	SLV-DRENO	Min	-1007.484	68.496	-5.690E-14
6	0.49356	SLV-DRENO	Min	-1016.659	72.097	-5.690E-14
6	0.	SLE-CALOTTA	Max	-724.813	60.089	-2.844E-14
6	0.24678	SLE-CALOTTA	Max	-727.28	65.742	-2.844E-14
6	0.49356	SLE-CALOTTA	Max	-729.746	71.395	-2.844E-14
6	0.	SLE-CALOTTA	Min	-724.813	60.089	-2.844E-14
6	0.24678	SLE-CALOTTA	Min	-727.28	65.742	-2.844E-14
6	0.49356	SLE-CALOTTA	Min	-729.746	71.395	-2.844E-14
6	0.	SLU-CALOTTA	Max	-942.212	78.115	-2.489E-14
6	0.24678	SLU-CALOTTA	Max	-945.418	85.464	-2.489E-14
6	0.49356	SLU-CALOTTA	Max	-948.624	92.813	-2.489E-14
6	0.	SLU-CALOTTA	Min	-942.212	78.115	-2.489E-14
6	0.24678	SLU-CALOTTA	Min	-945.418	85.464	-2.489E-14
6	0.49356	SLU-CALOTTA	Min	-948.624	92.813	-2.489E-14
6	0.	SLV-CALOTTA	Max	-1054.18	-4.083	-4.978E-14
6	0.24678	SLV-CALOTTA	Max	-1063.355	-0.482	-4.978E-14
6	0.49356	SLV-CALOTTA	Max	-1072.53	3.119	-4.978E-14
6	0.	SLV-CALOTTA	Min	-1054.18	-4.083	-4.978E-14
6	0.24678	SLV-CALOTTA	Min	-1063.355	-0.482	-4.978E-14
6	0.49356	SLV-CALOTTA	Min	-1072.53	3.119	-4.978E-14
7	0.	SLE-DRENO	Max	-701.911	84.889	-5.339E-14
7	0.24678	SLE-DRENO	Max	-704.793	90.342	-5.339E-14
7	0.49356	SLE-DRENO	Max	-707.675	95.795	-5.339E-14
7	0.	SLE-DRENO	Min	-701.911	84.889	-5.339E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
7	0.24678	SLE-DRENO	Min	-704.793	90.342	-5.339E-14
7	0.49356	SLE-DRENO	Min	-707.675	95.795	-5.339E-14
7	0.	SLU-DRENO	Max	-912.426	110.35	-5.042E-14
7	0.24678	SLU-DRENO	Max	-916.172	117.439	-5.042E-14
7	0.49356	SLU-DRENO	Max	-919.919	124.528	-5.042E-14
7	0.	SLU-DRENO	Min	-912.426	110.35	-5.042E-14
7	0.24678	SLU-DRENO	Min	-916.172	117.439	-5.042E-14
7	0.49356	SLU-DRENO	Min	-919.919	124.528	-5.042E-14
7	0.	SLV-DRENO	Max	-1023.008	48.141	-7.112E-14
7	0.24678	SLV-DRENO	Max	-1032.426	51.047	-7.112E-14
7	0.49356	SLV-DRENO	Max	-1041.845	53.952	-7.112E-14
7	0.	SLV-DRENO	Min	-1023.008	48.141	-7.112E-14
7	0.24678	SLV-DRENO	Min	-1032.426	51.047	-7.112E-14
7	0.49356	SLV-DRENO	Min	-1041.845	53.952	-7.112E-14
7	0.	SLE-CALOTTA	Max	-741.647	60.105	-4.265E-14
7	0.24678	SLE-CALOTTA	Max	-744.529	65.558	-4.265E-14
7	0.49356	SLE-CALOTTA	Max	-747.411	71.011	-4.265E-14
7	0.	SLE-CALOTTA	Min	-741.647	60.105	-4.265E-14
7	0.24678	SLE-CALOTTA	Min	-744.529	65.558	-4.265E-14
7	0.49356	SLE-CALOTTA	Min	-747.411	71.011	-4.265E-14
7	0.	SLU-CALOTTA	Max	-964.095	78.137	-2.489E-14
7	0.24678	SLU-CALOTTA	Max	-967.842	85.226	-2.489E-14
7	0.49356	SLU-CALOTTA	Max	-971.588	92.315	-2.489E-14
7	0.	SLU-CALOTTA	Min	-964.095	78.137	-2.489E-14
7	0.24678	SLU-CALOTTA	Min	-967.842	85.226	-2.489E-14
7	0.49356	SLU-CALOTTA	Min	-971.588	92.315	-2.489E-14
7	0.	SLV-CALOTTA	Max	-1070.151	-27.504	-4.978E-14
7	0.24678	SLV-CALOTTA	Max	-1079.57	-24.599	-4.978E-14
7	0.49356	SLV-CALOTTA	Max	-1088.988	-21.693	-4.978E-14
7	0.	SLV-CALOTTA	Min	-1070.151	-27.504	-4.978E-14
7	0.24678	SLV-CALOTTA	Min	-1079.57	-24.599	-4.978E-14
7	0.49356	SLV-CALOTTA	Min	-1088.988	-21.693	-4.978E-14
8	0.	SLE-DRENO	Max	-720.87	100.883	-2.318E-14
8	0.22535	SLE-DRENO	Max	-723.755	105.72	-2.318E-14
8	0.45069	SLE-DRENO	Max	-726.64	110.557	-2.318E-14
8	0.	SLE-DRENO	Min	-720.87	100.883	-2.318E-14
8	0.22535	SLE-DRENO	Min	-723.755	105.72	-2.318E-14
8	0.45069	SLE-DRENO	Min	-726.64	110.557	-2.318E-14
8	0.	SLU-DRENO	Max	-937.071	131.142	-3.613E-14
8	0.22535	SLU-DRENO	Max	-940.822	137.43	-3.613E-14
8	0.45069	SLU-DRENO	Max	-944.572	143.718	-3.613E-14
8	0.	SLU-DRENO	Min	-937.071	131.142	-3.613E-14
8	0.22535	SLU-DRENO	Min	-940.822	137.43	-3.613E-14
8	0.45069	SLU-DRENO	Min	-944.572	143.718	-3.613E-14
8	0.	SLV-DRENO	Max	-1047.665	50.835	-6.403E-14
8	0.22535	SLV-DRENO	Max	-1056.391	53.04	-6.403E-14
8	0.45069	SLV-DRENO	Max	-1065.117	55.246	-6.403E-14
8	0.	SLV-DRENO	Min	-1047.665	50.835	-6.403E-14
8	0.22535	SLV-DRENO	Min	-1056.391	53.04	-6.403E-14
8	0.45069	SLV-DRENO	Min	-1065.117	55.246	-6.403E-14
8	0.	SLE-CALOTTA	Max	-758.56	74.506	-2.844E-14
8	0.22535	SLE-CALOTTA	Max	-761.446	79.343	-2.844E-14
8	0.45069	SLE-CALOTTA	Max	-764.331	84.18	-2.844E-14
8	0.	SLE-CALOTTA	Min	-758.56	74.506	-2.844E-14
8	0.22535	SLE-CALOTTA	Min	-761.446	79.343	-2.844E-14
8	0.45069	SLE-CALOTTA	Min	-764.331	84.18	-2.844E-14
8	0.	SLU-CALOTTA	Max	-986.083	96.86	-1.778E-14
8	0.22535	SLU-CALOTTA	Max	-989.834	103.148	-1.778E-14
8	0.45069	SLU-CALOTTA	Max	-993.584	109.436	-1.778E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
8	0.	SLU-CALOTTA	Min	-986.083	96.86	-1.778E-14
8	0.22535	SLU-CALOTTA	Min	-989.834	103.148	-1.778E-14
8	0.45069	SLU-CALOTTA	Min	-993.584	109.436	-1.778E-14
8	0.	SLV-CALOTTA	Max	-1086.137	-29.263	-4.089E-14
8	0.22535	SLV-CALOTTA	Max	-1094.863	-27.058	-4.089E-14
8	0.45069	SLV-CALOTTA	Max	-1103.588	-24.852	-4.089E-14
8	0.	SLV-CALOTTA	Min	-1086.137	-29.263	-4.089E-14
8	0.22535	SLV-CALOTTA	Min	-1094.863	-27.058	-4.089E-14
8	0.45069	SLV-CALOTTA	Min	-1103.588	-24.852	-4.089E-14
9	0.	SLE-DRENO	Max	-738.406	130.477	-2.140E-14
9	0.22535	SLE-DRENO	Max	-741.488	135.324	-2.140E-14
9	0.45069	SLE-DRENO	Max	-744.57	140.172	-2.140E-14
9	0.	SLE-DRENO	Min	-738.406	130.477	-2.140E-14
9	0.22535	SLE-DRENO	Min	-741.488	135.324	-2.140E-14
9	0.45069	SLE-DRENO	Min	-744.57	140.172	-2.140E-14
9	0.	SLU-DRENO	Max	-959.868	169.614	-3.615E-14
9	0.22535	SLU-DRENO	Max	-963.874	175.916	-3.615E-14
9	0.45069	SLU-DRENO	Max	-967.881	182.218	-3.615E-14
9	0.	SLU-DRENO	Min	-959.868	169.614	-3.615E-14
9	0.22535	SLU-DRENO	Min	-963.874	175.916	-3.615E-14
9	0.45069	SLU-DRENO	Min	-967.881	182.218	-3.615E-14
9	0.	SLV-DRENO	Max	-1071.46	73.939	-5.690E-14
9	0.22535	SLV-DRENO	Max	-1080.421	75.934	-5.690E-14
9	0.45069	SLV-DRENO	Max	-1089.382	77.93	-5.690E-14
9	0.	SLV-DRENO	Min	-1071.46	73.939	-5.690E-14
9	0.22535	SLV-DRENO	Min	-1080.421	75.934	-5.690E-14
9	0.45069	SLV-DRENO	Min	-1089.382	77.93	-5.690E-14
9	0.	SLE-CALOTTA	Max	-774.426	103.613	-2.082E-17
9	0.22535	SLE-CALOTTA	Max	-777.508	108.461	-2.082E-17
9	0.45069	SLE-CALOTTA	Max	-780.59	113.309	-2.082E-17
9	0.	SLE-CALOTTA	Min	-774.426	103.613	-2.082E-17
9	0.22535	SLE-CALOTTA	Min	-777.508	108.461	-2.082E-17
9	0.45069	SLE-CALOTTA	Min	-780.59	113.309	-2.082E-17
9	0.	SLU-CALOTTA	Max	-1006.708	134.7	-2.489E-14
9	0.22535	SLU-CALOTTA	Max	-1010.715	141.002	-2.489E-14
9	0.45069	SLU-CALOTTA	Max	-1014.722	147.304	-2.489E-14
9	0.	SLU-CALOTTA	Min	-1006.708	134.7	-2.489E-14
9	0.22535	SLU-CALOTTA	Min	-1010.715	141.002	-2.489E-14
9	0.45069	SLU-CALOTTA	Min	-1014.722	147.304	-2.489E-14
9	0.	SLV-CALOTTA	Max	-1101.765	-9.304	-3.557E-14
9	0.22535	SLV-CALOTTA	Max	-1110.726	-7.309	-3.557E-14
9	0.45069	SLV-CALOTTA	Max	-1119.687	-5.313	-3.557E-14
9	0.	SLV-CALOTTA	Min	-1101.765	-9.304	-3.557E-14
9	0.22535	SLV-CALOTTA	Min	-1110.726	-7.309	-3.557E-14
9	0.45069	SLV-CALOTTA	Min	-1119.687	-5.313	-3.557E-14
10	0.	SLE-DRENO	Max	-757.71	160.498	-2.761E-14
10	0.22535	SLE-DRENO	Max	-761.055	165.443	-2.761E-14
10	0.45069	SLE-DRENO	Max	-764.4	170.388	-2.761E-14
10	0.	SLE-DRENO	Min	-757.71	160.498	-2.761E-14
10	0.22535	SLE-DRENO	Min	-761.055	165.443	-2.761E-14
10	0.45069	SLE-DRENO	Min	-764.4	170.388	-2.761E-14
10	0.	SLU-DRENO	Max	-984.964	208.642	-2.893E-14
10	0.22535	SLU-DRENO	Max	-989.312	215.07	-2.893E-14
10	0.45069	SLU-DRENO	Max	-993.661	221.498	-2.893E-14
10	0.	SLU-DRENO	Min	-984.964	208.642	-2.893E-14
10	0.22535	SLU-DRENO	Min	-989.312	215.07	-2.893E-14
10	0.45069	SLU-DRENO	Min	-993.661	221.498	-2.893E-14
10	0.	SLV-DRENO	Max	-1097.18	97.029	-5.335E-14
10	0.22535	SLV-DRENO	Max	-1106.547	98.837	-5.335E-14



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
10	0.45069	SLV-DRENO	Max	-1115.915	100.645	-5.335E-14
10	0.	SLV-DRENO	Min	-1097.18	97.029	-5.335E-14
10	0.22535	SLV-DRENO	Min	-1106.547	98.837	-5.335E-14
10	0.45069	SLV-DRENO	Min	-1115.915	100.645	-5.335E-14
10	0.	SLE-CALOTTA	Max	-791.822	133.385	-1.422E-14
10	0.22535	SLE-CALOTTA	Max	-795.167	138.33	-1.422E-14
10	0.45069	SLE-CALOTTA	Max	-798.512	143.275	-1.422E-14
10	0.	SLE-CALOTTA	Min	-791.822	133.385	-1.422E-14
10	0.22535	SLE-CALOTTA	Min	-795.167	138.33	-1.422E-14
10	0.45069	SLE-CALOTTA	Min	-798.512	143.275	-1.422E-14
10	0.	SLU-CALOTTA	Max	-1029.323	173.404	-1.778E-14
10	0.22535	SLU-CALOTTA	Max	-1033.672	179.832	-1.778E-14
10	0.45069	SLU-CALOTTA	Max	-1038.02	186.26	-1.778E-14
10	0.	SLU-CALOTTA	Min	-1029.323	173.404	-1.778E-14
10	0.22535	SLU-CALOTTA	Min	-1033.672	179.832	-1.778E-14
10	0.45069	SLU-CALOTTA	Min	-1038.02	186.26	-1.778E-14
10	0.	SLV-CALOTTA	Max	-1117.769	10.532	-4.267E-14
10	0.22535	SLV-CALOTTA	Max	-1127.136	12.34	-4.267E-14
10	0.45069	SLV-CALOTTA	Max	-1136.503	14.148	-4.267E-14
10	0.	SLV-CALOTTA	Min	-1117.769	10.532	-4.267E-14
10	0.22535	SLV-CALOTTA	Min	-1127.136	12.34	-4.267E-14
10	0.45069	SLV-CALOTTA	Min	-1136.503	14.148	-4.267E-14
11	0.	SLE-DRENO	Max	-778.94	191.115	-2.670E-14
11	0.22535	SLE-DRENO	Max	-782.72	196.374	-2.670E-14
11	0.45069	SLE-DRENO	Max	-786.5	201.634	-2.670E-14
11	0.	SLE-DRENO	Min	-778.94	191.115	-2.670E-14
11	0.22535	SLE-DRENO	Min	-782.72	196.374	-2.670E-14
11	0.45069	SLE-DRENO	Min	-786.5	201.634	-2.670E-14
11	0.	SLU-DRENO	Max	-1012.563	248.443	-2.170E-14
11	0.22535	SLU-DRENO	Max	-1017.477	255.28	-2.170E-14
11	0.45069	SLU-DRENO	Max	-1022.391	262.117	-2.170E-14
11	0.	SLU-DRENO	Min	-1012.563	248.443	-2.170E-14
11	0.22535	SLU-DRENO	Min	-1017.477	255.28	-2.170E-14
11	0.45069	SLU-DRENO	Min	-1022.391	262.117	-2.170E-14
11	0.	SLV-DRENO	Max	-1125.031	120.235	-4.623E-14
11	0.22535	SLV-DRENO	Max	-1135.246	121.907	-4.623E-14
11	0.45069	SLV-DRENO	Max	-1145.46	123.578	-4.623E-14
11	0.	SLV-DRENO	Min	-1125.031	120.235	-4.623E-14
11	0.22535	SLV-DRENO	Min	-1135.246	121.907	-4.623E-14
11	0.45069	SLV-DRENO	Min	-1145.46	123.578	-4.623E-14
11	0.	SLE-CALOTTA	Max	-810.897	164.027	-7.119E-15
11	0.22535	SLE-CALOTTA	Max	-814.677	169.287	-7.119E-15
11	0.45069	SLE-CALOTTA	Max	-818.457	174.546	-7.119E-15
11	0.	SLE-CALOTTA	Min	-810.897	164.027	-7.119E-15
11	0.22535	SLE-CALOTTA	Min	-814.677	169.287	-7.119E-15
11	0.45069	SLE-CALOTTA	Min	-818.457	174.546	-7.119E-15
11	0.	SLU-CALOTTA	Max	-1054.12	213.239	-1.778E-14
11	0.22535	SLU-CALOTTA	Max	-1059.034	220.076	-1.778E-14
11	0.45069	SLU-CALOTTA	Max	-1063.948	226.913	-1.778E-14
11	0.	SLU-CALOTTA	Min	-1054.12	213.239	-1.778E-14
11	0.22535	SLU-CALOTTA	Min	-1059.034	220.076	-1.778E-14
11	0.45069	SLU-CALOTTA	Min	-1063.948	226.913	-1.778E-14
11	0.	SLV-CALOTTA	Max	-1134.254	30.498	-5.687E-14
11	0.22535	SLV-CALOTTA	Max	-1144.468	32.169	-5.687E-14
11	0.45069	SLV-CALOTTA	Max	-1154.682	33.841	-5.687E-14
11	0.	SLV-CALOTTA	Min	-1134.254	30.498	-5.687E-14
11	0.22535	SLV-CALOTTA	Min	-1144.468	32.169	-5.687E-14
11	0.45069	SLV-CALOTTA	Min	-1154.682	33.841	-5.687E-14
12	0.	SLE-DRENO	Max	-802.473	222.74	-1.825E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
12	0.22535	SLE-DRENO	Max	-806.777	228.383	-1.825E-15
12	0.45069	SLE-DRENO	Max	-811.081	234.025	-1.825E-15
12	0.	SLE-DRENO	Min	-802.473	222.74	-1.825E-15
12	0.22535	SLE-DRENO	Min	-806.777	228.383	-1.825E-15
12	0.45069	SLE-DRENO	Min	-811.081	234.025	-1.825E-15
12	0.	SLU-DRENO	Max	-1043.155	289.556	-1.447E-14
12	0.22535	SLU-DRENO	Max	-1048.75	296.891	-1.447E-14
12	0.45069	SLU-DRENO	Max	-1054.345	304.225	-1.447E-14
12	0.	SLU-DRENO	Min	-1043.155	289.556	-1.447E-14
12	0.22535	SLU-DRENO	Min	-1048.75	296.891	-1.447E-14
12	0.45069	SLU-DRENO	Min	-1054.345	304.225	-1.447E-14
12	0.	SLV-DRENO	Max	-1155.533	143.911	-4.356E-14
12	0.22535	SLV-DRENO	Max	-1166.772	145.424	-4.356E-14
12	0.45069	SLV-DRENO	Max	-1178.011	146.936	-4.356E-14
12	0.	SLV-DRENO	Min	-1155.533	143.911	-4.356E-14
12	0.22535	SLV-DRENO	Min	-1166.772	145.424	-4.356E-14
12	0.45069	SLV-DRENO	Min	-1178.011	146.936	-4.356E-14
12	0.	SLE-CALOTTA	Max	-832.022	195.993	-7.112E-15
12	0.22535	SLE-CALOTTA	Max	-836.326	201.636	-7.112E-15
12	0.45069	SLE-CALOTTA	Max	-840.63	207.278	-7.112E-15
12	0.	SLE-CALOTTA	Min	-832.022	195.993	-7.112E-15
12	0.22535	SLE-CALOTTA	Min	-836.326	201.636	-7.112E-15
12	0.45069	SLE-CALOTTA	Min	-840.63	207.278	-7.112E-15
12	0.	SLU-CALOTTA	Max	-1081.584	254.795	-1.422E-14
12	0.22535	SLU-CALOTTA	Max	-1087.179	262.13	-1.422E-14
12	0.45069	SLU-CALOTTA	Max	-1092.774	269.465	-1.422E-14
12	0.	SLU-CALOTTA	Min	-1081.584	254.795	-1.422E-14
12	0.22535	SLU-CALOTTA	Min	-1087.179	262.13	-1.422E-14
12	0.45069	SLU-CALOTTA	Min	-1092.774	269.465	-1.422E-14
12	0.	SLV-CALOTTA	Max	-1151.653	51.088	-1.137E-13
12	0.22535	SLV-CALOTTA	Max	-1162.892	52.6	-1.137E-13
12	0.45069	SLV-CALOTTA	Max	-1174.131	54.112	-1.137E-13
12	0.	SLV-CALOTTA	Min	-1151.653	51.088	-1.137E-13
12	0.22535	SLV-CALOTTA	Min	-1162.892	52.6	-1.137E-13
12	0.45069	SLV-CALOTTA	Min	-1174.131	54.112	-1.137E-13
13	0.	SLE-DRENO	Max	-828.521	255.482	-1.514E-14
13	0.22535	SLE-DRENO	Max	-833.479	261.612	-1.514E-14
13	0.45069	SLE-DRENO	Max	-838.438	267.742	-1.514E-14
13	0.	SLE-DRENO	Min	-828.521	255.482	-1.514E-14
13	0.22535	SLE-DRENO	Min	-833.479	261.612	-1.514E-14
13	0.45069	SLE-DRENO	Min	-838.438	267.742	-1.514E-14
13	0.	SLU-DRENO	Max	-1077.017	332.119	-2.163E-14
13	0.22535	SLU-DRENO	Max	-1083.463	340.089	-2.163E-14
13	0.45069	SLU-DRENO	Max	-1089.909	348.058	-2.163E-14
13	0.	SLU-DRENO	Min	-1077.017	332.119	-2.163E-14
13	0.22535	SLU-DRENO	Min	-1083.463	340.089	-2.163E-14
13	0.45069	SLU-DRENO	Min	-1089.909	348.058	-2.163E-14
13	0.	SLV-DRENO	Max	-1188.939	168.103	-4.888E-14
13	0.22535	SLV-DRENO	Max	-1201.469	169.427	-4.888E-14
13	0.45069	SLV-DRENO	Max	-1214.	170.751	-4.888E-14
13	0.	SLV-DRENO	Min	-1188.939	168.103	-4.888E-14
13	0.22535	SLV-DRENO	Min	-1201.469	169.427	-4.888E-14
13	0.45069	SLV-DRENO	Min	-1214.	170.751	-4.888E-14
13	0.	SLE-CALOTTA	Max	-855.408	229.432	-3.565E-15
13	0.22535	SLE-CALOTTA	Max	-860.366	235.563	-3.565E-15
13	0.45069	SLE-CALOTTA	Max	-865.325	241.693	-3.565E-15
13	0.	SLE-CALOTTA	Min	-855.408	229.432	-3.565E-15
13	0.22535	SLE-CALOTTA	Min	-860.366	235.563	-3.565E-15
13	0.45069	SLE-CALOTTA	Min	-865.325	241.693	-3.565E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
13	0.	SLU-CALOTTA	Max	-1111.985	298.267	-1.244E-14
13	0.22535	SLU-CALOTTA	Max	-1118.431	306.237	-1.244E-14
13	0.45069	SLU-CALOTTA	Max	-1124.877	314.206	-1.244E-14
13	0.	SLU-CALOTTA	Min	-1111.985	298.267	-1.244E-14
13	0.22535	SLU-CALOTTA	Min	-1118.431	306.237	-1.244E-14
13	0.45069	SLU-CALOTTA	Min	-1124.877	314.206	-1.244E-14
13	0.	SLV-CALOTTA	Max	-1170.151	72.505	-2.846E-14
13	0.22535	SLV-CALOTTA	Max	-1182.681	73.829	-2.846E-14
13	0.45069	SLV-CALOTTA	Max	-1195.212	75.153	-2.846E-14
13	0.	SLV-CALOTTA	Min	-1170.151	72.505	-2.846E-14
13	0.22535	SLV-CALOTTA	Min	-1182.681	73.829	-2.846E-14
13	0.45069	SLV-CALOTTA	Min	-1195.212	75.153	-2.846E-14
14	0.	SLE-DRENO	Max	-857.379	289.506	-1.932E-14
14	0.22535	SLE-DRENO	Max	-863.17	296.262	-1.932E-14
14	0.45069	SLE-DRENO	Max	-868.96	303.019	-1.932E-14
14	0.	SLE-DRENO	Min	-857.379	289.506	-1.932E-14
14	0.22535	SLE-DRENO	Min	-863.17	296.262	-1.932E-14
14	0.45069	SLE-DRENO	Min	-868.96	303.019	-1.932E-14
14	0.	SLU-DRENO	Max	-1114.532	376.351	-3.039E-14
14	0.22535	SLU-DRENO	Max	-1122.06	385.134	-3.039E-14
14	0.45069	SLU-DRENO	Max	-1129.588	393.918	-3.039E-14
14	0.	SLU-DRENO	Min	-1114.532	376.351	-3.039E-14
14	0.22535	SLU-DRENO	Min	-1122.06	385.134	-3.039E-14
14	0.45069	SLU-DRENO	Min	-1129.588	393.918	-3.039E-14
14	0.	SLV-DRENO	Max	-1225.611	192.901	-3.202E-14
14	0.22535	SLV-DRENO	Max	-1239.789	193.993	-3.202E-14
14	0.45069	SLV-DRENO	Max	-1253.968	195.084	-3.202E-14
14	0.	SLV-DRENO	Min	-1225.611	192.901	-3.202E-14
14	0.22535	SLV-DRENO	Min	-1239.789	193.993	-3.202E-14
14	0.45069	SLV-DRENO	Min	-1253.968	195.084	-3.202E-14
14	0.	SLE-CALOTTA	Max	-881.351	264.556	-1.777E-14
14	0.22535	SLE-CALOTTA	Max	-887.141	271.313	-1.777E-14
14	0.45069	SLE-CALOTTA	Max	-892.932	278.07	-1.777E-14
14	0.	SLE-CALOTTA	Min	-881.351	264.556	-1.777E-14
14	0.22535	SLE-CALOTTA	Min	-887.141	271.313	-1.777E-14
14	0.45069	SLE-CALOTTA	Min	-892.932	278.07	-1.777E-14
14	0.	SLU-CALOTTA	Max	-1145.711	343.929	-1.422E-14
14	0.22535	SLU-CALOTTA	Max	-1153.238	352.712	-1.422E-14
14	0.45069	SLU-CALOTTA	Max	-1160.766	361.496	-1.422E-14
14	0.	SLU-CALOTTA	Min	-1145.711	343.929	-1.422E-14
14	0.22535	SLU-CALOTTA	Min	-1153.238	352.712	-1.422E-14
14	0.45069	SLU-CALOTTA	Min	-1160.766	361.496	-1.422E-14
14	0.	SLV-CALOTTA	Max	-1190.059	95.013	-5.684E-14
14	0.22535	SLV-CALOTTA	Max	-1204.237	96.105	-5.684E-14
14	0.45069	SLV-CALOTTA	Max	-1218.416	97.196	-5.684E-14
14	0.	SLV-CALOTTA	Min	-1190.059	95.013	-5.684E-14
14	0.22535	SLV-CALOTTA	Min	-1204.237	96.105	-5.684E-14
14	0.45069	SLV-CALOTTA	Min	-1218.416	97.196	-5.684E-14
15	0.	SLE-DRENO	Max	-889.441	325.031	-1.514E-14
15	0.22535	SLE-DRENO	Max	-896.216	332.496	-1.514E-14
15	0.45069	SLE-DRENO	Max	-902.991	339.961	-1.514E-14
15	0.	SLE-DRENO	Min	-889.441	325.031	-1.514E-14
15	0.22535	SLE-DRENO	Min	-896.216	332.496	-1.514E-14
15	0.45069	SLE-DRENO	Min	-902.991	339.961	-1.514E-14
15	0.	SLU-DRENO	Max	-1156.212	422.533	-2.520E-14
15	0.22535	SLU-DRENO	Max	-1165.02	432.238	-2.520E-14
15	0.45069	SLU-DRENO	Max	-1173.828	441.942	-2.520E-14
15	0.	SLU-DRENO	Min	-1156.212	422.533	-2.520E-14
15	0.22535	SLU-DRENO	Min	-1165.02	432.238	-2.520E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
15	0.45069	SLU-DRENO	Min	-1173.828	441.942	-2.520E-14
15	0.	SLV-DRENO	Max	-1266.032	218.429	-7.105E-15
15	0.22535	SLV-DRENO	Max	-1282.124	219.209	-7.105E-15
15	0.45069	SLV-DRENO	Max	-1298.216	219.988	-7.105E-15
15	0.	SLV-DRENO	Min	-1266.032	218.429	-7.105E-15
15	0.22535	SLV-DRENO	Min	-1282.124	219.209	-7.105E-15
15	0.45069	SLV-DRENO	Min	-1298.216	219.988	-7.105E-15
15	0.	SLE-CALOTTA	Max	-910.248	301.628	-2.132E-14
15	0.22535	SLE-CALOTTA	Max	-917.024	309.093	-2.132E-14
15	0.45069	SLE-CALOTTA	Max	-923.799	316.558	-2.132E-14
15	0.	SLE-CALOTTA	Min	-910.248	301.628	-2.132E-14
15	0.22535	SLE-CALOTTA	Min	-917.024	309.093	-2.132E-14
15	0.45069	SLE-CALOTTA	Min	-923.799	316.558	-2.132E-14
15	0.	SLU-CALOTTA	Max	-1183.278	392.123	-1.067E-14
15	0.22535	SLU-CALOTTA	Max	-1192.086	401.827	-1.067E-14
15	0.45069	SLU-CALOTTA	Max	-1200.894	411.532	-1.067E-14
15	0.	SLU-CALOTTA	Min	-1183.278	392.123	-1.067E-14
15	0.22535	SLU-CALOTTA	Min	-1192.086	401.827	-1.067E-14
15	0.45069	SLU-CALOTTA	Min	-1200.894	411.532	-1.067E-14
15	0.	SLV-CALOTTA	Max	-1211.832	118.922	5.551E-17
15	0.22535	SLV-CALOTTA	Max	-1227.923	119.701	5.551E-17
15	0.45069	SLV-CALOTTA	Max	-1244.015	120.48	5.551E-17
15	0.	SLV-CALOTTA	Min	-1211.832	118.922	5.551E-17
15	0.22535	SLV-CALOTTA	Min	-1227.923	119.701	5.551E-17
15	0.45069	SLV-CALOTTA	Min	-1244.015	120.48	5.551E-17
16	0.	SLE-DRENO	Max	-954.012	-212.865	-1.781E-14
16	0.22535	SLE-DRENO	Max	-963.865	-210.73	-1.781E-14
16	0.45069	SLE-DRENO	Max	-973.717	-208.595	-1.781E-14
16	0.	SLE-DRENO	Min	-954.012	-212.865	-1.781E-14
16	0.22535	SLE-DRENO	Min	-963.865	-210.73	-1.781E-14
16	0.45069	SLE-DRENO	Min	-973.717	-208.595	-1.781E-14
16	0.	SLU-DRENO	Max	-1240.162	-276.698	-1.456E-14
16	0.22535	SLU-DRENO	Max	-1252.97	-273.922	-1.456E-14
16	0.45069	SLU-DRENO	Max	-1265.779	-271.146	-1.456E-14
16	0.	SLU-DRENO	Min	-1240.162	-276.698	-1.456E-14
16	0.22535	SLU-DRENO	Min	-1252.97	-273.922	-1.456E-14
16	0.45069	SLU-DRENO	Min	-1265.779	-271.146	-1.456E-14
16	0.	SLV-DRENO	Max	-1206.701	-501.187	-1.424E-14
16	0.22535	SLV-DRENO	Max	-1220.247	-509.907	-1.424E-14
16	0.45069	SLV-DRENO	Max	-1233.793	-518.628	-1.424E-14
16	0.	SLV-DRENO	Min	-1206.701	-501.187	-1.424E-14
16	0.22535	SLV-DRENO	Min	-1220.247	-509.907	-1.424E-14
16	0.45069	SLV-DRENO	Min	-1233.793	-518.628	-1.424E-14
16	0.	SLE-CALOTTA	Max	-956.369	-237.022	-1.422E-14
16	0.22535	SLE-CALOTTA	Max	-966.221	-234.886	-1.422E-14
16	0.45069	SLE-CALOTTA	Max	-976.074	-232.751	-1.422E-14
16	0.	SLE-CALOTTA	Min	-956.369	-237.022	-1.422E-14
16	0.22535	SLE-CALOTTA	Min	-966.221	-234.886	-1.422E-14
16	0.45069	SLE-CALOTTA	Min	-976.074	-232.751	-1.422E-14
16	0.	SLU-CALOTTA	Max	-1243.246	-308.099	3.553E-15
16	0.22535	SLU-CALOTTA	Max	-1256.055	-305.323	3.553E-15
16	0.45069	SLU-CALOTTA	Max	-1268.863	-302.548	3.553E-15
16	0.	SLU-CALOTTA	Min	-1243.246	-308.099	3.553E-15
16	0.22535	SLU-CALOTTA	Min	-1256.055	-305.323	3.553E-15
16	0.45069	SLU-CALOTTA	Min	-1268.863	-302.548	3.553E-15
16	0.	SLV-CALOTTA	Max	-1092.915	-535.808	-1.137E-13
16	0.22535	SLV-CALOTTA	Max	-1106.461	-544.528	-1.137E-13
16	0.45069	SLV-CALOTTA	Max	-1120.007	-553.249	-1.137E-13
16	0.	SLV-CALOTTA	Min	-1092.915	-535.808	-1.137E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
16	0.22535	SLV-CALOTTA	Min	-1106.461	-544.528	-1.137E-13
16	0.45069	SLV-CALOTTA	Min	-1120.007	-553.249	-1.137E-13
17	0.	SLE-DRENO	Max	-972.965	-194.705	-1.600E-14
17	0.22535	SLE-DRENO	Max	-981.712	-193.068	-1.600E-14
17	0.45069	SLE-DRENO	Max	-990.459	-191.432	-1.600E-14
17	0.	SLE-DRENO	Min	-972.965	-194.705	-1.600E-14
17	0.22535	SLE-DRENO	Min	-981.712	-193.068	-1.600E-14
17	0.45069	SLE-DRENO	Min	-990.459	-191.432	-1.600E-14
17	0.	SLU-DRENO	Max	-1264.802	-253.091	-1.438E-14
17	0.22535	SLU-DRENO	Max	-1276.173	-250.964	-1.438E-14
17	0.45069	SLU-DRENO	Max	-1287.544	-248.837	-1.438E-14
17	0.	SLU-DRENO	Min	-1264.802	-253.091	-1.438E-14
17	0.22535	SLU-DRENO	Min	-1276.173	-250.964	-1.438E-14
17	0.45069	SLU-DRENO	Min	-1287.544	-248.837	-1.438E-14
17	0.	SLV-DRENO	Max	-1224.263	-448.736	1.421E-14
17	0.22535	SLV-DRENO	Max	-1235.996	-456.771	1.421E-14
17	0.45069	SLV-DRENO	Max	-1247.729	-464.805	1.421E-14
17	0.	SLV-DRENO	Min	-1224.263	-448.736	1.421E-14
17	0.22535	SLV-DRENO	Min	-1235.996	-456.771	1.421E-14
17	0.45069	SLV-DRENO	Min	-1247.729	-464.805	1.421E-14
17	0.	SLE-CALOTTA	Max	-973.56	-208.162	-1.388E-17
17	0.22535	SLE-CALOTTA	Max	-982.307	-206.526	-1.388E-17
17	0.45069	SLE-CALOTTA	Max	-991.054	-204.889	-1.388E-17
17	0.	SLE-CALOTTA	Min	-973.56	-208.162	-1.388E-17
17	0.22535	SLE-CALOTTA	Min	-982.307	-206.526	-1.388E-17
17	0.45069	SLE-CALOTTA	Min	-991.054	-204.889	-1.388E-17
17	0.	SLU-CALOTTA	Max	-1265.596	-270.586	-2.776E-17
17	0.22535	SLU-CALOTTA	Max	-1276.967	-268.458	-2.776E-17
17	0.45069	SLU-CALOTTA	Max	-1288.338	-266.331	-2.776E-17
17	0.	SLU-CALOTTA	Min	-1265.596	-270.586	-2.776E-17
17	0.22535	SLU-CALOTTA	Min	-1276.967	-268.458	-2.776E-17
17	0.45069	SLU-CALOTTA	Min	-1288.338	-266.331	-2.776E-17
17	0.	SLV-CALOTTA	Max	-1101.987	-457.591	1.137E-13
17	0.22535	SLV-CALOTTA	Max	-1113.72	-465.626	1.137E-13
17	0.45069	SLV-CALOTTA	Max	-1125.453	-473.66	1.137E-13
17	0.	SLV-CALOTTA	Min	-1101.987	-457.591	1.137E-13
17	0.22535	SLV-CALOTTA	Min	-1113.72	-465.626	1.137E-13
17	0.45069	SLV-CALOTTA	Min	-1125.453	-473.66	1.137E-13
18	0.	SLE-DRENO	Max	-989.836	-173.666	-1.388E-17
18	0.22535	SLE-DRENO	Max	-997.625	-172.437	-1.388E-17
18	0.45069	SLE-DRENO	Max	-1005.413	-171.208	-1.388E-17
18	0.	SLE-DRENO	Min	-989.836	-173.666	-1.388E-17
18	0.22535	SLE-DRENO	Min	-997.625	-172.437	-1.388E-17
18	0.45069	SLE-DRENO	Min	-1005.413	-171.208	-1.388E-17
18	0.	SLU-DRENO	Max	-1286.735	-225.742	1.665E-16
18	0.22535	SLU-DRENO	Max	-1296.86	-224.144	1.665E-16
18	0.45069	SLU-DRENO	Max	-1306.985	-222.547	1.665E-16
18	0.	SLU-DRENO	Min	-1286.735	-225.742	1.665E-16
18	0.22535	SLU-DRENO	Min	-1296.86	-224.144	1.665E-16
18	0.45069	SLU-DRENO	Min	-1306.985	-222.547	1.665E-16
18	0.	SLV-DRENO	Max	-1239.968	-392.699	4.263E-14
18	0.22535	SLV-DRENO	Max	-1250.158	-400.111	4.263E-14
18	0.45069	SLV-DRENO	Max	-1260.348	-407.523	4.263E-14
18	0.	SLV-DRENO	Min	-1239.968	-392.699	4.263E-14
18	0.22535	SLV-DRENO	Min	-1250.158	-400.111	4.263E-14
18	0.45069	SLV-DRENO	Min	-1260.348	-407.523	4.263E-14
18	0.	SLE-CALOTTA	Max	-989.008	-176.314	-5.686E-14
18	0.22535	SLE-CALOTTA	Max	-996.797	-175.085	-5.686E-14
18	0.45069	SLE-CALOTTA	Max	-1004.585	-173.856	-5.686E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
18	0.	SLE-CALOTTA	Min	-989.008	-176.314	-5.686E-14
18	0.22535	SLE-CALOTTA	Min	-996.797	-175.085	-5.686E-14
18	0.45069	SLE-CALOTTA	Min	-1004.585	-173.856	-5.686E-14
18	0.	SLU-CALOTTA	Max	-1285.679	-229.187	1.388E-17
18	0.22535	SLU-CALOTTA	Max	-1295.804	-227.589	1.388E-17
18	0.45069	SLU-CALOTTA	Max	-1305.929	-225.992	1.388E-17
18	0.	SLV-CALOTTA	Min	-1285.679	-229.187	1.388E-17
18	0.22535	SLV-CALOTTA	Min	-1295.804	-227.589	1.388E-17
18	0.45069	SLV-CALOTTA	Min	-1305.929	-225.992	1.388E-17
18	0.	SLV-CALOTTA	Max	-1110.145	-375.871	2.776E-17
18	0.22535	SLV-CALOTTA	Max	-1120.334	-383.284	2.776E-17
18	0.45069	SLV-CALOTTA	Max	-1130.524	-390.696	2.776E-17
18	0.	SLV-CALOTTA	Min	-1110.145	-375.871	2.776E-17
18	0.22535	SLV-CALOTTA	Min	-1120.334	-383.284	2.776E-17
18	0.45069	SLV-CALOTTA	Min	-1130.524	-390.696	2.776E-17
19	0.	SLE-DRENO	Max	-1004.909	-149.506	-2.490E-14
19	0.22535	SLE-DRENO	Max	-1011.947	-148.6	-2.490E-14
19	0.45069	SLE-DRENO	Max	-1018.985	-147.693	-2.490E-14
19	0.	SLE-DRENO	Min	-1004.909	-149.506	-2.490E-14
19	0.22535	SLE-DRENO	Min	-1011.947	-148.6	-2.490E-14
19	0.45069	SLE-DRENO	Min	-1018.985	-147.693	-2.490E-14
19	0.	SLU-DRENO	Max	-1306.33	-194.338	-2.855E-14
19	0.22535	SLU-DRENO	Max	-1315.48	-193.16	-2.855E-14
19	0.45069	SLU-DRENO	Max	-1324.629	-191.982	-2.855E-14
19	0.	SLU-DRENO	Min	-1306.33	-194.338	-2.855E-14
19	0.22535	SLU-DRENO	Min	-1315.48	-193.16	-2.855E-14
19	0.45069	SLU-DRENO	Min	-1324.629	-191.982	-2.855E-14
19	0.	SLV-DRENO	Max	-1254.149	-332.923	2.848E-14
19	0.22535	SLV-DRENO	Max	-1263.126	-339.852	2.848E-14
19	0.45069	SLV-DRENO	Max	-1272.103	-346.782	2.848E-14
19	0.	SLV-DRENO	Min	-1254.149	-332.923	2.848E-14
19	0.22535	SLV-DRENO	Min	-1263.126	-339.852	2.848E-14
19	0.45069	SLV-DRENO	Min	-1272.103	-346.782	2.848E-14
19	0.	SLE-CALOTTA	Max	-1003.046	-141.235	2.844E-14
19	0.22535	SLE-CALOTTA	Max	-1010.084	-140.329	2.844E-14
19	0.45069	SLE-CALOTTA	Max	-1017.122	-139.423	2.844E-14
19	0.	SLE-CALOTTA	Min	-1003.046	-141.235	2.844E-14
19	0.22535	SLE-CALOTTA	Min	-1010.084	-140.329	2.844E-14
19	0.45069	SLE-CALOTTA	Min	-1017.122	-139.423	2.844E-14
19	0.	SLU-CALOTTA	Max	-1303.929	-183.588	-7.133E-15
19	0.22535	SLU-CALOTTA	Max	-1313.078	-182.41	-7.133E-15
19	0.45069	SLU-CALOTTA	Max	-1322.228	-181.232	-7.133E-15
19	0.	SLU-CALOTTA	Min	-1303.929	-183.588	-7.133E-15
19	0.22535	SLU-CALOTTA	Min	-1313.078	-182.41	-7.133E-15
19	0.45069	SLU-CALOTTA	Min	-1322.228	-181.232	-7.133E-15
19	0.	SLV-CALOTTA	Max	-1118.015	-290.495	1.137E-13
19	0.22535	SLV-CALOTTA	Max	-1126.992	-297.424	1.137E-13
19	0.45069	SLV-CALOTTA	Max	-1135.969	-304.353	1.137E-13
19	0.	SLV-CALOTTA	Min	-1118.015	-290.495	1.137E-13
19	0.22535	SLV-CALOTTA	Min	-1126.992	-297.424	1.137E-13
19	0.45069	SLV-CALOTTA	Min	-1135.969	-304.353	1.137E-13
20	0.	SLE-DRENO	Max	-1018.594	-122.007	2.845E-14
20	0.22535	SLE-DRENO	Max	-1025.039	-121.363	2.845E-14
20	0.45069	SLE-DRENO	Max	-1031.483	-120.719	2.845E-14
20	0.	SLE-DRENO	Min	-1018.594	-122.007	2.845E-14
20	0.22535	SLE-DRENO	Min	-1025.039	-121.363	2.845E-14
20	0.45069	SLE-DRENO	Min	-1031.483	-120.719	2.845E-14
20	0.	SLU-DRENO	Max	-1324.121	-158.592	1.442E-14
20	0.22535	SLU-DRENO	Max	-1332.499	-157.755	1.442E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
20	0.45069	SLU-DRENO	Max	-1340.877	-156.918	1.442E-14
20	0.	SLU-DRENO	Min	-1324.121	-158.592	1.442E-14
20	0.22535	SLU-DRENO	Min	-1332.499	-157.755	1.442E-14
20	0.45069	SLU-DRENO	Min	-1340.877	-156.918	1.442E-14
20	0.	SLV-DRENO	Max	-1267.272	-269.302	2.837E-14
20	0.22535	SLV-DRENO	Max	-1275.282	-275.856	2.837E-14
20	0.45069	SLV-DRENO	Max	-1283.293	-282.411	2.837E-14
20	0.	SLV-DRENO	Min	-1267.272	-269.302	2.837E-14
20	0.22535	SLV-DRENO	Min	-1275.282	-275.856	2.837E-14
20	0.45069	SLV-DRENO	Min	-1283.293	-282.411	2.837E-14
20	0.	SLE-CALOTTA	Max	-1016.136	-102.711	0.
20	0.22535	SLE-CALOTTA	Max	-1022.581	-102.067	0.
20	0.45069	SLE-CALOTTA	Max	-1029.025	-101.423	0.
20	0.	SLE-CALOTTA	Min	-1016.136	-102.711	0.
20	0.22535	SLE-CALOTTA	Min	-1022.581	-102.067	0.
20	0.45069	SLE-CALOTTA	Min	-1029.025	-101.423	0.
20	0.	SLU-CALOTTA	Max	-1320.946	-133.509	4.163E-17
20	0.22535	SLU-CALOTTA	Max	-1329.324	-132.672	4.163E-17
20	0.45069	SLU-CALOTTA	Max	-1337.702	-131.835	4.163E-17
20	0.	SLU-CALOTTA	Min	-1320.946	-133.509	4.163E-17
20	0.22535	SLU-CALOTTA	Min	-1329.324	-132.672	4.163E-17
20	0.45069	SLU-CALOTTA	Min	-1337.702	-131.835	4.163E-17
20	0.	SLV-CALOTTA	Max	-1126.368	-201.378	1.136E-13
20	0.22535	SLV-CALOTTA	Max	-1134.378	-207.933	1.136E-13
20	0.45069	SLV-CALOTTA	Max	-1142.389	-214.488	1.136E-13
20	0.	SLV-CALOTTA	Min	-1126.368	-201.378	1.136E-13
20	0.22535	SLV-CALOTTA	Min	-1134.378	-207.933	1.136E-13
20	0.45069	SLV-CALOTTA	Min	-1142.389	-214.488	1.136E-13
21	0.	SLE-DRENO	Max	-1031.203	-91.005	1.073E-14
21	0.22535	SLE-DRENO	Max	-1037.158	-90.581	1.073E-14
21	0.45069	SLE-DRENO	Max	-1043.113	-90.157	1.073E-14
21	0.	SLE-DRENO	Min	-1031.203	-91.005	1.073E-14
21	0.22535	SLE-DRENO	Min	-1037.158	-90.581	1.073E-14
21	0.45069	SLE-DRENO	Min	-1043.113	-90.157	1.073E-14
21	0.	SLU-DRENO	Max	-1340.514	-118.294	2.887E-14
21	0.22535	SLU-DRENO	Max	-1348.255	-117.743	2.887E-14
21	0.45069	SLU-DRENO	Max	-1355.996	-117.191	2.887E-14
21	0.	SLU-DRENO	Min	-1340.514	-118.294	2.887E-14
21	0.22535	SLU-DRENO	Min	-1348.255	-117.743	2.887E-14
21	0.45069	SLU-DRENO	Min	-1355.996	-117.191	2.887E-14
21	0.	SLV-DRENO	Max	-1279.677	-201.749	5.695E-14
21	0.22535	SLV-DRENO	Max	-1286.885	-207.999	5.695E-14
21	0.45069	SLV-DRENO	Max	-1294.094	-214.248	5.695E-14
21	0.	SLV-DRENO	Min	-1279.677	-201.749	5.695E-14
21	0.22535	SLV-DRENO	Min	-1286.885	-207.999	5.695E-14
21	0.45069	SLV-DRENO	Min	-1294.094	-214.248	5.695E-14
21	0.	SLE-CALOTTA	Max	-1028.641	-60.585	2.776E-17
21	0.22535	SLE-CALOTTA	Max	-1034.596	-60.161	2.776E-17
21	0.45069	SLE-CALOTTA	Max	-1040.551	-59.736	2.776E-17
21	0.	SLE-CALOTTA	Min	-1028.641	-60.585	2.776E-17
21	0.22535	SLE-CALOTTA	Min	-1034.596	-60.161	2.776E-17
21	0.45069	SLE-CALOTTA	Min	-1040.551	-59.736	2.776E-17
21	0.	SLU-CALOTTA	Max	-1337.203	-78.75	2.842E-14
21	0.22535	SLU-CALOTTA	Max	-1344.944	-78.198	2.842E-14
21	0.45069	SLU-CALOTTA	Max	-1352.686	-77.646	2.842E-14
21	0.	SLU-CALOTTA	Min	-1337.203	-78.75	2.842E-14
21	0.22535	SLU-CALOTTA	Min	-1344.944	-78.198	2.842E-14
21	0.45069	SLU-CALOTTA	Min	-1352.686	-77.646	2.842E-14
21	0.	SLV-CALOTTA	Max	-1135.849	-108.49	5.551E-17

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
21	0.22535	SLV-CALOTTA	Max	-1143.058	-114.739	5.551E-17
21	0.45069	SLV-CALOTTA	Max	-1150.266	-120.989	5.551E-17
21	0.	SLV-CALOTTA	Min	-1135.849	-108.49	5.551E-17
21	0.22535	SLV-CALOTTA	Min	-1143.058	-114.739	5.551E-17
21	0.45069	SLV-CALOTTA	Min	-1150.266	-120.989	5.551E-17
22	0.	SLE-DRENO	Max	-1042.945	-56.382	3.920E-14
22	0.22535	SLE-DRENO	Max	-1048.685	-56.137	3.920E-14
22	0.45069	SLE-DRENO	Max	-1054.424	-55.892	3.920E-14
22	0.	SLE-DRENO	Min	-1042.945	-56.382	3.920E-14
22	0.22535	SLE-DRENO	Min	-1048.685	-56.137	3.920E-14
22	0.45069	SLE-DRENO	Min	-1054.424	-55.892	3.920E-14
22	0.	SLU-DRENO	Max	-1355.779	-73.287	8.593E-14
22	0.22535	SLU-DRENO	Max	-1363.24	-72.969	8.593E-14
22	0.45069	SLU-DRENO	Max	-1370.701	-72.65	8.593E-14
22	0.	SLU-DRENO	Min	-1355.779	-73.287	8.593E-14
22	0.22535	SLU-DRENO	Min	-1363.24	-72.969	8.593E-14
22	0.45069	SLU-DRENO	Min	-1370.701	-72.65	8.593E-14
22	0.	SLV-DRENO	Max	-1291.575	-130.184	8.527E-14
22	0.22535	SLV-DRENO	Max	-1298.338	-136.392	8.527E-14
22	0.45069	SLV-DRENO	Max	-1305.1	-142.601	8.527E-14
22	0.	SLV-DRENO	Min	-1291.575	-130.184	8.527E-14
22	0.22535	SLV-DRENO	Min	-1298.338	-136.392	8.527E-14
22	0.45069	SLV-DRENO	Min	-1305.1	-142.601	8.527E-14
22	0.	SLE-CALOTTA	Max	-1040.821	-14.749	1.137E-13
22	0.22535	SLE-CALOTTA	Max	-1046.56	-14.504	1.137E-13
22	0.45069	SLE-CALOTTA	Max	-1052.3	-14.259	1.137E-13
22	0.	SLE-CALOTTA	Min	-1040.821	-14.749	1.137E-13
22	0.22535	SLE-CALOTTA	Min	-1046.56	-14.504	1.137E-13
22	0.45069	SLE-CALOTTA	Min	-1052.3	-14.259	1.137E-13
22	0.	SLU-CALOTTA	Max	-1353.037	-19.167	2.845E-14
22	0.22535	SLU-CALOTTA	Max	-1360.498	-18.848	2.845E-14
22	0.45069	SLU-CALOTTA	Max	-1367.96	-18.53	2.845E-14
22	0.	SLU-CALOTTA	Min	-1353.037	-19.167	2.845E-14
22	0.22535	SLU-CALOTTA	Min	-1360.498	-18.848	2.845E-14
22	0.45069	SLU-CALOTTA	Min	-1367.96	-18.53	2.845E-14
22	0.	SLV-CALOTTA	Max	-1146.976	-11.829	1.137E-13
22	0.22535	SLV-CALOTTA	Max	-1153.738	-18.037	1.137E-13
22	0.45069	SLV-CALOTTA	Max	-1160.501	-24.246	1.137E-13
22	0.	SLV-CALOTTA	Min	-1146.976	-11.829	1.137E-13
22	0.22535	SLV-CALOTTA	Min	-1153.738	-18.037	1.137E-13
22	0.45069	SLV-CALOTTA	Min	-1160.501	-24.246	1.137E-13
23	0.	SLE-DRENO	Max	-1054.374	-18.031	3.562E-14
23	0.22535	SLE-DRENO	Max	-1060.005	-17.951	3.562E-14
23	0.45069	SLE-DRENO	Max	-1065.637	-17.871	3.562E-14
23	0.	SLE-DRENO	Min	-1054.374	-18.031	3.562E-14
23	0.22535	SLE-DRENO	Min	-1060.005	-17.951	3.562E-14
23	0.45069	SLE-DRENO	Min	-1065.637	-17.871	3.562E-14
23	0.	SLU-DRENO	Max	-1370.636	-23.435	8.649E-14
23	0.22535	SLU-DRENO	Max	-1377.957	-23.331	8.649E-14
23	0.45069	SLU-DRENO	Max	-1385.278	-23.227	8.649E-14
23	0.	SLU-DRENO	Min	-1370.636	-23.435	8.649E-14
23	0.22535	SLU-DRENO	Min	-1377.957	-23.331	8.649E-14
23	0.45069	SLU-DRENO	Min	-1385.278	-23.227	8.649E-14
23	0.	SLV-DRENO	Max	-1303.565	-54.607	8.538E-14
23	0.22535	SLV-DRENO	Max	-1310.019	-60.88	8.538E-14
23	0.45069	SLV-DRENO	Max	-1316.473	-67.153	8.538E-14
23	0.	SLV-DRENO	Min	-1303.565	-54.607	8.538E-14
23	0.22535	SLV-DRENO	Min	-1310.019	-60.88	8.538E-14
23	0.45069	SLV-DRENO	Min	-1316.473	-67.153	8.538E-14



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
23	0.	SLE-CALOTTA	Max	-1053.28	34.885	2.776E-17
23	0.22535	SLE-CALOTTA	Max	-1058.911	34.965	2.776E-17
23	0.45069	SLE-CALOTTA	Max	-1064.543	35.045	2.776E-17
23	0.	SLE-CALOTTA	Min	-1053.28	34.885	2.776E-17
23	0.22535	SLE-CALOTTA	Min	-1058.911	34.965	2.776E-17
23	0.45069	SLE-CALOTTA	Min	-1064.543	35.045	2.776E-17
23	0.	SLU-CALOTTA	Max	-1369.234	45.352	5.687E-14
23	0.22535	SLU-CALOTTA	Max	-1376.555	45.457	5.687E-14
23	0.45069	SLU-CALOTTA	Max	-1383.876	45.561	5.687E-14
23	0.	SLU-CALOTTA	Min	-1369.234	45.352	5.687E-14
23	0.22535	SLU-CALOTTA	Min	-1376.555	45.457	5.687E-14
23	0.45069	SLU-CALOTTA	Min	-1383.876	45.561	5.687E-14
23	0.	SLV-CALOTTA	Max	-1160.647	88.488	1.139E-13
23	0.22535	SLV-CALOTTA	Max	-1167.101	82.215	1.139E-13
23	0.45069	SLV-CALOTTA	Max	-1173.555	75.942	1.139E-13
23	0.	SLV-CALOTTA	Min	-1160.647	88.488	1.139E-13
23	0.22535	SLV-CALOTTA	Min	-1167.101	82.215	1.139E-13
23	0.45069	SLV-CALOTTA	Min	-1173.555	75.942	1.139E-13
24	0.	SLE-DRENO	Max	-1066.97	26.009	8.557E-14
24	0.22067	SLE-DRENO	Max	-1072.485	25.945	8.556E-14
24	0.44134	SLE-DRENO	Max	-1077.999	25.881	8.555E-14
24	0.	SLE-DRENO	Min	-1066.97	26.009	8.557E-14
24	0.22067	SLE-DRENO	Min	-1072.485	25.945	8.556E-14
24	0.44134	SLE-DRENO	Min	-1077.999	25.881	8.555E-14
24	0.	SLU-DRENO	Max	-1387.011	33.813	5.837E-14
24	0.22067	SLU-DRENO	Max	-1394.18	33.73	5.836E-14
24	0.44134	SLU-DRENO	Max	-1401.349	33.647	5.835E-14
24	0.	SLU-DRENO	Min	-1387.011	33.813	5.837E-14
24	0.22067	SLU-DRENO	Min	-1394.18	33.73	5.836E-14
24	0.44134	SLU-DRENO	Min	-1401.349	33.647	5.835E-14
24	0.	SLV-DRENO	Max	-1317.354	27.059	1.708E-13
24	0.22067	SLV-DRENO	Max	-1323.514	20.754	1.700E-13
24	0.44134	SLV-DRENO	Max	-1329.673	14.45	1.692E-13
24	0.	SLV-DRENO	Min	-1317.354	27.059	1.708E-13
24	0.22067	SLV-DRENO	Min	-1323.514	20.754	1.700E-13
24	0.44134	SLV-DRENO	Min	-1329.673	14.45	1.692E-13
24	0.	SLE-CALOTTA	Max	-1066.574	90.189	5.690E-14
24	0.22067	SLE-CALOTTA	Max	-1072.089	90.125	5.689E-14
24	0.44134	SLE-CALOTTA	Max	-1077.604	90.061	5.688E-14
24	0.	SLE-CALOTTA	Min	-1066.574	90.189	5.690E-14
24	0.22067	SLE-CALOTTA	Min	-1072.089	90.125	5.689E-14
24	0.44134	SLE-CALOTTA	Min	-1077.604	90.061	5.688E-14
24	0.	SLU-CALOTTA	Max	-1386.517	117.244	5.684E-14
24	0.22067	SLU-CALOTTA	Max	-1393.686	117.16	5.683E-14
24	0.44134	SLU-CALOTTA	Max	-1400.855	117.077	5.682E-14
24	0.	SLU-CALOTTA	Min	-1386.517	117.244	5.684E-14
24	0.22067	SLU-CALOTTA	Min	-1393.686	117.16	5.683E-14
24	0.44134	SLU-CALOTTA	Min	-1400.855	117.077	5.682E-14
24	0.	SLV-CALOTTA	Max	-1178.394	193.904	4.549E-13
24	0.22067	SLV-CALOTTA	Max	-1184.553	187.6	4.541E-13
24	0.44134	SLV-CALOTTA	Max	-1190.712	181.296	4.533E-13
24	0.	SLV-CALOTTA	Min	-1178.394	193.904	4.549E-13
24	0.22067	SLV-CALOTTA	Min	-1184.553	187.6	4.541E-13
24	0.44134	SLV-CALOTTA	Min	-1190.712	181.296	4.533E-13
25	0.	SLE-DRENO	Max	-1080.464	75.511	1.354E-13
25	0.22067	SLE-DRENO	Max	-1086.086	75.315	1.353E-13
25	0.44134	SLE-DRENO	Max	-1091.708	75.119	1.353E-13
25	0.	SLE-DRENO	Min	-1080.464	75.511	1.354E-13
25	0.22067	SLE-DRENO	Min	-1086.086	75.315	1.353E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
25	0.44134	SLE-DRENO	Min	-1091.708	75.119	1.353E-13
25	0.	SLU-DRENO	Max	-1404.553	98.162	2.020E-13
25	0.22067	SLU-DRENO	Max	-1411.862	97.907	2.020E-13
25	0.44134	SLU-DRENO	Max	-1419.171	97.652	2.019E-13
25	0.	SLU-DRENO	Min	-1404.553	98.162	2.020E-13
25	0.22067	SLU-DRENO	Min	-1411.862	97.907	2.020E-13
25	0.44134	SLU-DRENO	Min	-1419.171	97.652	2.019E-13
25	0.	SLV-DRENO	Max	-1332.475	114.583	2.559E-13
25	0.22067	SLV-DRENO	Max	-1338.607	108.009	2.551E-13
25	0.44134	SLV-DRENO	Max	-1344.738	101.435	2.543E-13
25	0.	SLV-DRENO	Min	-1332.475	114.583	2.559E-13
25	0.22067	SLV-DRENO	Min	-1338.607	108.009	2.551E-13
25	0.44134	SLV-DRENO	Min	-1344.738	101.435	2.543E-13
25	0.	SLE-CALOTTA	Max	-1081.268	150.993	8.327E-17
25	0.22067	SLE-CALOTTA	Max	-1086.89	150.796	5.925E-17
25	0.44134	SLE-CALOTTA	Max	-1092.512	150.6	3.523E-17
25	0.	SLE-CALOTTA	Min	-1081.268	150.993	8.327E-17
25	0.22067	SLE-CALOTTA	Min	-1086.89	150.796	5.925E-17
25	0.44134	SLE-CALOTTA	Min	-1092.512	150.6	3.523E-17
25	0.	SLU-CALOTTA	Max	-1405.618	196.284	1.138E-13
25	0.22067	SLU-CALOTTA	Max	-1412.927	196.029	1.138E-13
25	0.44134	SLU-CALOTTA	Max	-1420.236	195.774	1.138E-13
25	0.	SLU-CALOTTA	Min	-1405.618	196.284	1.138E-13
25	0.22067	SLU-CALOTTA	Min	-1412.927	196.029	1.138E-13
25	0.44134	SLU-CALOTTA	Min	-1420.236	195.774	1.138E-13
25	0.	SLV-CALOTTA	Max	-1197.098	304.274	2.275E-13
25	0.22067	SLV-CALOTTA	Max	-1203.229	297.699	2.267E-13
25	0.44134	SLV-CALOTTA	Max	-1209.361	291.125	2.259E-13
25	0.	SLV-CALOTTA	Min	-1197.098	304.274	2.275E-13
25	0.22067	SLV-CALOTTA	Min	-1203.229	297.699	2.267E-13
25	0.44134	SLV-CALOTTA	Min	-1209.361	291.125	2.259E-13
26	0.	SLE-DRENO	Max	-1096.759	128.213	2.280E-13
26	0.22067	SLE-DRENO	Max	-1102.596	127.873	2.279E-13
26	0.44134	SLE-DRENO	Max	-1108.432	127.534	2.279E-13
26	0.	SLE-DRENO	Min	-1096.759	128.213	2.280E-13
26	0.22067	SLE-DRENO	Min	-1102.596	127.873	2.279E-13
26	0.44134	SLE-DRENO	Min	-1108.432	127.534	2.279E-13
26	0.	SLU-DRENO	Max	-1425.737	166.672	2.314E-13
26	0.22067	SLU-DRENO	Max	-1433.324	166.23	2.313E-13
26	0.44134	SLU-DRENO	Max	-1440.911	165.789	2.313E-13
26	0.	SLU-DRENO	Min	-1425.737	166.672	2.314E-13
26	0.22067	SLU-DRENO	Min	-1433.324	166.23	2.313E-13
26	0.44134	SLU-DRENO	Min	-1440.911	165.789	2.313E-13
26	0.	SLV-DRENO	Max	-1351.019	205.442	2.276E-13
26	0.22067	SLV-DRENO	Max	-1357.23	198.464	2.267E-13
26	0.44134	SLV-DRENO	Max	-1363.441	191.485	2.259E-13
26	0.	SLV-DRENO	Min	-1351.019	205.442	2.276E-13
26	0.22067	SLV-DRENO	Min	-1357.23	198.464	2.267E-13
26	0.44134	SLV-DRENO	Min	-1363.441	191.485	2.259E-13
26	0.	SLE-CALOTTA	Max	-1098.546	215.216	1.138E-13
26	0.22067	SLE-CALOTTA	Max	-1104.382	214.876	1.138E-13
26	0.44134	SLE-CALOTTA	Max	-1110.218	214.537	1.137E-13
26	0.	SLE-CALOTTA	Min	-1098.546	215.216	1.138E-13
26	0.22067	SLE-CALOTTA	Min	-1104.382	214.876	1.138E-13
26	0.44134	SLE-CALOTTA	Min	-1110.218	214.537	1.137E-13
26	0.	SLU-CALOTTA	Max	-1428.08	279.77	1.706E-13
26	0.22067	SLU-CALOTTA	Max	-1435.667	279.329	1.705E-13
26	0.44134	SLU-CALOTTA	Max	-1443.254	278.887	1.705E-13
26	0.	SLU-CALOTTA	Min	-1428.08	279.77	1.706E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
26	0.22067	SLU-CALOTTA	Min	-1435.667	279.329	1.705E-13
26	0.44134	SLU-CALOTTA	Min	-1443.254	278.887	1.705E-13
26	0.	SLV-CALOTTA	Max	-1219.115	417.779	-2.272E-13
26	0.22067	SLV-CALOTTA	Max	-1225.326	410.801	-2.280E-13
26	0.44134	SLV-CALOTTA	Max	-1231.537	403.822	-2.289E-13
26	0.	SLV-CALOTTA	Min	-1219.115	417.779	-2.272E-13
26	0.22067	SLV-CALOTTA	Min	-1225.326	410.801	-2.280E-13
26	0.44134	SLV-CALOTTA	Min	-1231.537	403.822	-2.289E-13
27	0.	SLE-DRENO	Max	-1116.239	183.874	1.711E-13
27	0.22052	SLE-DRENO	Max	-1122.501	183.363	1.711E-13
27	0.44103	SLE-DRENO	Max	-1128.763	182.853	1.710E-13
27	0.	SLE-DRENO	Min	-1116.239	183.874	1.711E-13
27	0.22052	SLE-DRENO	Min	-1122.501	183.363	1.711E-13
27	0.44103	SLE-DRENO	Min	-1128.763	182.853	1.710E-13
27	0.	SLU-DRENO	Max	-1451.06	239.027	3.458E-13
27	0.22052	SLU-DRENO	Max	-1459.201	238.363	3.458E-13
27	0.44103	SLU-DRENO	Max	-1467.341	237.699	3.457E-13
27	0.	SLU-DRENO	Min	-1451.06	239.027	3.458E-13
27	0.22052	SLU-DRENO	Min	-1459.201	238.363	3.458E-13
27	0.44103	SLU-DRENO	Min	-1467.341	237.699	3.457E-13
27	0.	SLV-DRENO	Max	-1373.377	299.343	2.846E-13
27	0.22052	SLV-DRENO	Max	-1379.876	291.69	2.836E-13
27	0.44103	SLV-DRENO	Max	-1386.376	284.037	2.827E-13
27	0.	SLV-DRENO	Min	-1373.377	299.343	2.846E-13
27	0.22052	SLV-DRENO	Min	-1379.876	291.69	2.836E-13
27	0.44103	SLV-DRENO	Min	-1386.376	284.037	2.827E-13
27	0.	SLE-CALOTTA	Max	-1118.746	282.643	1.138E-13
27	0.22052	SLE-CALOTTA	Max	-1125.008	282.132	1.137E-13
27	0.44103	SLE-CALOTTA	Max	-1131.271	281.622	1.137E-13
27	0.	SLE-CALOTTA	Min	-1118.746	282.643	1.138E-13
27	0.22052	SLE-CALOTTA	Min	-1125.008	282.132	1.137E-13
27	0.44103	SLE-CALOTTA	Min	-1131.271	281.622	1.137E-13
27	0.	SLU-CALOTTA	Max	-1454.34	367.421	1.423E-13
27	0.22052	SLU-CALOTTA	Max	-1462.481	366.757	1.422E-13
27	0.44103	SLU-CALOTTA	Max	-1470.621	366.093	1.422E-13
27	0.	SLU-CALOTTA	Min	-1454.34	367.421	1.423E-13
27	0.22052	SLU-CALOTTA	Min	-1462.481	366.757	1.422E-13
27	0.44103	SLU-CALOTTA	Min	-1470.621	366.093	1.422E-13
27	0.	SLV-CALOTTA	Max	-1244.762	534.158	4.550E-13
27	0.22052	SLV-CALOTTA	Max	-1251.261	526.505	4.541E-13
27	0.44103	SLV-CALOTTA	Max	-1257.76	518.852	4.532E-13
27	0.	SLV-CALOTTA	Min	-1244.762	534.158	4.550E-13
27	0.22052	SLV-CALOTTA	Min	-1251.261	526.505	4.541E-13
27	0.44103	SLV-CALOTTA	Min	-1257.76	518.852	4.532E-13
28	0.	SLE-DRENO	Max	-1137.986	234.429	4.127E-13
28	0.16445	SLE-DRENO	Max	-1143.097	233.908	4.127E-13
28	0.3289	SLE-DRENO	Max	-1148.208	233.387	4.126E-13
28	0.	SLE-DRENO	Min	-1137.986	234.429	4.127E-13
28	0.16445	SLE-DRENO	Min	-1143.097	233.908	4.127E-13
28	0.3289	SLE-DRENO	Min	-1148.208	233.387	4.126E-13
28	0.	SLU-DRENO	Max	-1479.331	304.745	2.304E-13
28	0.16445	SLU-DRENO	Max	-1485.976	304.067	2.303E-13
28	0.3289	SLU-DRENO	Max	-1492.62	303.39	2.303E-13
28	0.	SLU-DRENO	Min	-1479.331	304.745	2.304E-13
28	0.16445	SLU-DRENO	Min	-1485.976	304.067	2.303E-13
28	0.3289	SLU-DRENO	Min	-1492.62	303.39	2.303E-13
28	0.	SLV-DRENO	Max	-1398.418	382.833	2.276E-13
28	0.16445	SLV-DRENO	Max	-1403.604	376.468	2.268E-13
28	0.3289	SLV-DRENO	Max	-1408.791	370.103	2.260E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
28	0.	SLV-DRENO	Min	-1398.418	382.833	2.276E-13
28	0.16445	SLV-DRENO	Min	-1403.604	376.468	2.268E-13
28	0.3289	SLV-DRENO	Min	-1408.791	370.103	2.260E-13
28	0.	SLE-CALOTTA	Max	-1140.912	343.775	1.110E-16
28	0.16445	SLE-CALOTTA	Max	-1146.023	343.253	4.718E-17
28	0.3289	SLE-CALOTTA	Max	-1151.134	342.732	-1.666E-17
28	0.	SLE-CALOTTA	Min	-1140.912	343.775	1.110E-16
28	0.16445	SLE-CALOTTA	Min	-1146.023	343.253	4.718E-17
28	0.3289	SLE-CALOTTA	Min	-1151.134	342.732	-1.666E-17
28	0.	SLU-CALOTTA	Max	-1483.155	446.888	1.137E-13
28	0.16445	SLU-CALOTTA	Max	-1489.799	446.21	1.137E-13
28	0.3289	SLU-CALOTTA	Max	-1496.444	445.533	1.136E-13
28	0.	SLU-CALOTTA	Min	-1483.155	446.888	1.137E-13
28	0.16445	SLU-CALOTTA	Min	-1489.799	446.21	1.137E-13
28	0.3289	SLU-CALOTTA	Min	-1496.444	445.533	1.136E-13
28	0.	SLV-CALOTTA	Max	-1272.522	637.298	2.277E-13
28	0.16445	SLV-CALOTTA	Max	-1277.709	630.933	2.269E-13
28	0.3289	SLV-CALOTTA	Max	-1282.895	624.569	2.261E-13
28	0.	SLV-CALOTTA	Min	-1272.522	637.298	2.277E-13
28	0.16445	SLV-CALOTTA	Min	-1277.709	630.933	2.269E-13
28	0.3289	SLV-CALOTTA	Min	-1282.895	624.569	2.261E-13
29	0.	SLE-DRENO	Max	-1157.834	279.676	1.709E-13
29	0.16445	SLE-DRENO	Max	-1163.343	279.018	1.708E-13
29	0.3289	SLE-DRENO	Max	-1168.853	278.359	1.708E-13
29	0.	SLE-DRENO	Min	-1157.834	279.676	1.709E-13
29	0.16445	SLE-DRENO	Min	-1163.343	279.018	1.708E-13
29	0.3289	SLE-DRENO	Min	-1168.853	278.359	1.708E-13
29	0.	SLU-DRENO	Max	-1505.133	363.562	2.868E-13
29	0.16445	SLU-DRENO	Max	-1512.295	362.706	2.867E-13
29	0.3289	SLU-DRENO	Max	-1519.457	361.85	2.866E-13
29	0.	SLU-DRENO	Min	-1505.133	363.562	2.868E-13
29	0.16445	SLU-DRENO	Min	-1512.295	362.706	2.867E-13
29	0.3289	SLU-DRENO	Min	-1519.457	361.85	2.866E-13
29	0.	SLV-DRENO	Max	-1421.6	456.978	3.413E-13
29	0.16445	SLV-DRENO	Max	-1427.082	450.008	3.404E-13
29	0.3289	SLV-DRENO	Max	-1432.563	443.038	3.396E-13
29	0.	SLV-DRENO	Min	-1421.6	456.978	3.413E-13
29	0.16445	SLV-DRENO	Min	-1427.082	450.008	3.404E-13
29	0.3289	SLV-DRENO	Min	-1432.563	443.038	3.396E-13
29	0.	SLE-CALOTTA	Max	-1160.946	397.728	5.551E-17
29	0.16445	SLE-CALOTTA	Max	-1166.455	397.07	-2.514E-17
29	0.3289	SLE-CALOTTA	Max	-1171.965	396.411	-1.058E-16
29	0.	SLE-CALOTTA	Min	-1160.946	397.728	5.551E-17
29	0.16445	SLE-CALOTTA	Min	-1166.455	397.07	-2.514E-17
29	0.3289	SLE-CALOTTA	Min	-1171.965	396.411	-1.058E-16
29	0.	SLU-CALOTTA	Max	-1509.199	517.025	1.139E-13
29	0.16445	SLU-CALOTTA	Max	-1516.361	516.169	1.138E-13
29	0.3289	SLU-CALOTTA	Max	-1523.523	515.313	1.137E-13
29	0.	SLU-CALOTTA	Min	-1509.199	517.025	1.139E-13
29	0.16445	SLU-CALOTTA	Min	-1516.361	516.169	1.138E-13
29	0.3289	SLU-CALOTTA	Min	-1523.523	515.313	1.137E-13
29	0.	SLV-CALOTTA	Max	-1297.548	727.096	4.547E-13
29	0.16445	SLV-CALOTTA	Max	-1303.029	720.126	4.539E-13
29	0.3289	SLV-CALOTTA	Max	-1308.51	713.157	4.530E-13
29	0.	SLV-CALOTTA	Min	-1297.548	727.096	4.547E-13
29	0.16445	SLV-CALOTTA	Min	-1303.029	720.126	4.539E-13
29	0.3289	SLV-CALOTTA	Min	-1308.51	713.157	4.530E-13
30	0.	SLE-DRENO	Max	-1180.153	326.564	3.988E-13
30	0.16445	SLE-DRENO	Max	-1186.139	325.743	3.987E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
30	0.3289	SLE-DRENO	Max	-1192.124	324.922	3.986E-13
30	0.	SLE-DRENO	Min	-1180.153	326.564	3.988E-13
30	0.16445	SLE-DRENO	Min	-1186.139	325.743	3.987E-13
30	0.3289	SLE-DRENO	Min	-1192.124	324.922	3.986E-13
30	0.	SLU-DRENO	Max	-1534.147	424.513	3.478E-13
30	0.16445	SLU-DRENO	Max	-1541.929	423.446	3.477E-13
30	0.3289	SLU-DRENO	Max	-1549.71	422.378	3.476E-13
30	0.	SLU-DRENO	Min	-1534.147	424.513	3.478E-13
30	0.16445	SLU-DRENO	Min	-1541.929	423.446	3.477E-13
30	0.3289	SLU-DRENO	Min	-1549.71	422.378	3.476E-13
30	0.	SLV-DRENO	Max	-1448.042	533.143	4.556E-13
30	0.16445	SLV-DRENO	Max	-1453.878	525.451	4.547E-13
30	0.3289	SLV-DRENO	Max	-1459.714	517.76	4.538E-13
30	0.	SLV-DRENO	Min	-1448.042	533.143	4.556E-13
30	0.16445	SLV-DRENO	Min	-1453.878	525.451	4.547E-13
30	0.3289	SLV-DRENO	Min	-1459.714	517.76	4.538E-13
30	0.	SLE-CALOTTA	Max	-1183.325	453.06	2.277E-13
30	0.16445	SLE-CALOTTA	Max	-1189.311	452.239	2.276E-13
30	0.3289	SLE-CALOTTA	Max	-1195.297	451.418	2.275E-13
30	0.	SLE-CALOTTA	Min	-1183.325	453.06	2.277E-13
30	0.16445	SLE-CALOTTA	Min	-1189.311	452.239	2.276E-13
30	0.3289	SLE-CALOTTA	Min	-1195.297	451.418	2.275E-13
30	0.	SLU-CALOTTA	Max	-1538.291	588.952	2.276E-13
30	0.16445	SLU-CALOTTA	Max	-1546.073	587.885	2.275E-13
30	0.3289	SLU-CALOTTA	Max	-1553.854	586.818	2.273E-13
30	0.	SLU-CALOTTA	Min	-1538.291	588.952	2.276E-13
30	0.16445	SLU-CALOTTA	Min	-1546.073	587.885	2.275E-13
30	0.3289	SLU-CALOTTA	Min	-1553.854	586.818	2.273E-13
30	0.	SLV-CALOTTA	Max	-1325.294	817.948	9.097E-13
30	0.16445	SLV-CALOTTA	Max	-1331.13	810.256	9.088E-13
30	0.3289	SLV-CALOTTA	Max	-1336.967	802.565	9.078E-13
30	0.	SLV-CALOTTA	Min	-1325.294	817.948	9.097E-13
30	0.16445	SLV-CALOTTA	Min	-1331.13	810.256	9.088E-13
30	0.3289	SLV-CALOTTA	Min	-1336.967	802.565	9.078E-13
31	0.	SLE-DRENO	Max	-786.136	-459.264	2.892E-14
31	0.23797	SLE-DRENO	Max	-790.266	-468.558	2.778E-14
31	0.47593	SLE-DRENO	Max	-794.396	-477.851	2.664E-14
31	0.	SLE-DRENO	Min	-786.136	-459.264	2.892E-14
31	0.23797	SLE-DRENO	Min	-790.266	-468.558	2.778E-14
31	0.47593	SLE-DRENO	Min	-794.396	-477.851	2.664E-14
31	0.	SLU-DRENO	Max	-1021.936	-597.022	2.314E-13
31	0.23797	SLU-DRENO	Max	-1027.304	-609.104	2.299E-13
31	0.47593	SLU-DRENO	Max	-1032.673	-621.186	2.284E-13
31	0.	SLU-DRENO	Min	-1021.936	-597.022	2.314E-13
31	0.23797	SLU-DRENO	Min	-1027.304	-609.104	2.299E-13
31	0.47593	SLU-DRENO	Min	-1032.673	-621.186	2.284E-13
31	0.	SLV-DRENO	Max	-1069.097	-441.25	2.272E-13
31	0.23797	SLV-DRENO	Max	-1063.261	-456.419	2.253E-13
31	0.47593	SLV-DRENO	Max	-1057.426	-471.588	2.234E-13
31	0.	SLV-DRENO	Min	-1069.097	-441.25	2.272E-13
31	0.23797	SLV-DRENO	Min	-1063.261	-456.419	2.253E-13
31	0.47593	SLV-DRENO	Min	-1057.426	-471.588	2.234E-13
31	0.	SLE-CALOTTA	Max	-962.198	-549.456	2.273E-13
31	0.23797	SLE-CALOTTA	Max	-966.328	-558.75	2.262E-13
31	0.47593	SLE-CALOTTA	Max	-970.458	-568.043	2.250E-13
31	0.	SLE-CALOTTA	Min	-962.198	-549.456	2.273E-13
31	0.23797	SLE-CALOTTA	Min	-966.328	-558.75	2.262E-13
31	0.47593	SLE-CALOTTA	Min	-970.458	-568.043	2.250E-13
31	0.	SLU-CALOTTA	Max	-1250.819	-714.284	1.138E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
31	0.23797	SLU-CALOTTA	Max	-1256.188	-726.366	1.123E-13
31	0.47593	SLU-CALOTTA	Max	-1261.557	-738.448	1.108E-13
31	0.	SLU-CALOTTA	Min	-1250.819	-714.284	1.138E-13
31	0.23797	SLU-CALOTTA	Min	-1256.188	-726.366	1.123E-13
31	0.47593	SLU-CALOTTA	Min	-1261.557	-738.448	1.108E-13
31	0.	SLV-CALOTTA	Max	-1392.378	-528.314	0.
31	0.23797	SLV-CALOTTA	Max	-1386.543	-543.483	-1.858E-15
31	0.47593	SLV-CALOTTA	Max	-1380.707	-558.651	-3.715E-15
31	0.	SLV-CALOTTA	Min	-1392.378	-528.314	0.
31	0.23797	SLV-CALOTTA	Min	-1386.543	-543.483	-1.858E-15
31	0.47593	SLV-CALOTTA	Min	-1380.707	-558.651	-3.715E-15
32	0.	SLE-DRENO	Max	-794.395	-408.41	-8.521E-14
32	0.23797	SLE-DRENO	Max	-797.946	-416.4	-8.619E-14
32	0.47593	SLE-DRENO	Max	-801.496	-424.389	-8.717E-14
32	0.	SLE-DRENO	Min	-794.395	-408.41	-8.521E-14
32	0.23797	SLE-DRENO	Min	-797.946	-416.4	-8.619E-14
32	0.47593	SLE-DRENO	Min	-801.496	-424.389	-8.717E-14
32	0.	SLU-DRENO	Max	-1032.673	-530.917	1.737E-13
32	0.23797	SLU-DRENO	Max	-1037.288	-541.303	1.725E-13
32	0.47593	SLU-DRENO	Max	-1041.903	-551.689	1.712E-13
32	0.	SLU-DRENO	Min	-1032.673	-530.917	1.737E-13
32	0.23797	SLU-DRENO	Min	-1037.288	-541.303	1.725E-13
32	0.47593	SLU-DRENO	Min	-1041.903	-551.689	1.712E-13
32	0.	SLV-DRENO	Max	-1079.044	-360.98	2.280E-13
32	0.23797	SLV-DRENO	Max	-1074.028	-374.02	2.264E-13
32	0.47593	SLV-DRENO	Max	-1069.011	-387.059	2.248E-13
32	0.	SLV-DRENO	Min	-1079.044	-360.98	2.280E-13
32	0.23797	SLV-DRENO	Min	-1074.028	-374.02	2.264E-13
32	0.47593	SLV-DRENO	Min	-1069.011	-387.059	2.248E-13
32	0.	SLE-CALOTTA	Max	-970.457	-485.782	1.137E-13
32	0.23797	SLE-CALOTTA	Max	-974.008	-493.772	1.128E-13
32	0.47593	SLE-CALOTTA	Max	-977.558	-501.761	1.118E-13
32	0.	SLE-CALOTTA	Min	-970.457	-485.782	1.137E-13
32	0.23797	SLE-CALOTTA	Min	-974.008	-493.772	1.128E-13
32	0.47593	SLE-CALOTTA	Min	-977.558	-501.761	1.118E-13
32	0.	SLU-CALOTTA	Max	-1261.556	-631.512	2.842E-14
32	0.23797	SLU-CALOTTA	Max	-1266.171	-641.898	2.715E-14
32	0.47593	SLU-CALOTTA	Max	-1270.786	-652.284	2.588E-14
32	0.	SLU-CALOTTA	Min	-1261.556	-631.512	2.842E-14
32	0.23797	SLU-CALOTTA	Min	-1266.171	-641.898	2.715E-14
32	0.47593	SLU-CALOTTA	Min	-1270.786	-652.284	2.588E-14
32	0.	SLV-CALOTTA	Max	-1392.18	-446.164	1.110E-16
32	0.23797	SLV-CALOTTA	Max	-1387.164	-459.203	-1.486E-15
32	0.47593	SLV-CALOTTA	Max	-1382.147	-472.243	-3.083E-15
32	0.	SLV-CALOTTA	Min	-1392.18	-446.164	1.110E-16
32	0.23797	SLV-CALOTTA	Min	-1387.164	-459.203	-1.486E-15
32	0.47593	SLV-CALOTTA	Min	-1382.147	-472.243	-3.083E-15
33	0.	SLE-DRENO	Max	-801.495	-354.001	1.566E-13
33	0.23797	SLE-DRENO	Max	-804.152	-359.979	1.559E-13
33	0.47593	SLE-DRENO	Max	-806.809	-365.958	1.551E-13
33	0.	SLE-DRENO	Min	-801.495	-354.001	1.566E-13
33	0.23797	SLE-DRENO	Min	-804.152	-359.979	1.559E-13
33	0.47593	SLE-DRENO	Min	-806.809	-365.958	1.551E-13
33	0.	SLU-DRENO	Max	-1041.903	-460.188	1.110E-16
33	0.23797	SLU-DRENO	Max	-1045.356	-467.96	-8.408E-16
33	0.47593	SLU-DRENO	Max	-1048.81	-475.732	-1.793E-15
33	0.	SLU-DRENO	Min	-1041.903	-460.188	1.110E-16
33	0.23797	SLU-DRENO	Min	-1045.356	-467.96	-8.408E-16
33	0.47593	SLU-DRENO	Min	-1048.81	-475.732	-1.793E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
33	0.	SLV-DRENO	Max	-1089.201	-277.666	1.137E-13
33	0.23797	SLV-DRENO	Max	-1085.447	-287.424	1.125E-13
33	0.47593	SLV-DRENO	Max	-1081.693	-297.181	1.113E-13
33	0.	SLV-DRENO	Min	-1089.201	-277.666	1.137E-13
33	0.23797	SLV-DRENO	Min	-1085.447	-287.424	1.125E-13
33	0.47593	SLV-DRENO	Min	-1081.693	-297.181	1.113E-13
33	0.	SLE-CALOTTA	Max	-977.557	-418.518	-5.551E-17
33	0.23797	SLE-CALOTTA	Max	-980.214	-424.497	-7.877E-16
33	0.47593	SLE-CALOTTA	Max	-982.87	-430.475	-1.520E-15
33	0.	SLE-CALOTTA	Min	-977.557	-418.518	-5.551E-17
33	0.23797	SLE-CALOTTA	Min	-980.214	-424.497	-7.877E-16
33	0.47593	SLE-CALOTTA	Min	-982.87	-430.475	-1.520E-15
33	0.	SLU-CALOTTA	Max	-1270.786	-544.071	2.842E-14
33	0.23797	SLU-CALOTTA	Max	-1274.24	-551.843	2.747E-14
33	0.47593	SLU-CALOTTA	Max	-1277.693	-559.616	2.652E-14
33	0.	SLU-CALOTTA	Min	-1270.786	-544.071	2.842E-14
33	0.23797	SLU-CALOTTA	Min	-1274.24	-551.843	2.747E-14
33	0.47593	SLU-CALOTTA	Min	-1277.693	-559.616	2.652E-14
33	0.	SLV-CALOTTA	Max	-1391.226	-358.741	-2.220E-16
33	0.23797	SLV-CALOTTA	Max	-1387.472	-368.499	-1.417E-15
33	0.47593	SLV-CALOTTA	Max	-1383.718	-378.256	-2.612E-15
33	0.	SLV-CALOTTA	Min	-1391.226	-358.741	-2.220E-16
33	0.23797	SLV-CALOTTA	Min	-1387.472	-368.499	-1.417E-15
33	0.47593	SLV-CALOTTA	Min	-1383.718	-378.256	-2.612E-15
34	0.	SLE-DRENO	Max	-800.386	-309.777	-7.105E-14
34	0.23852	SLE-DRENO	Max	-802.934	-315.819	-7.179E-14
34	0.47704	SLE-DRENO	Max	-805.482	-321.861	-7.253E-14
34	0.	SLE-DRENO	Min	-800.386	-309.777	-7.105E-14
34	0.23852	SLE-DRENO	Min	-802.934	-315.819	-7.179E-14
34	0.47704	SLE-DRENO	Min	-805.482	-321.861	-7.253E-14
34	0.	SLU-DRENO	Max	-1040.46	-402.701	-5.829E-14
34	0.23852	SLU-DRENO	Max	-1043.773	-410.555	-5.925E-14
34	0.47704	SLU-DRENO	Max	-1047.086	-418.409	-6.021E-14
34	0.	SLU-DRENO	Min	-1040.46	-402.701	-5.829E-14
34	0.23852	SLU-DRENO	Min	-1043.773	-410.555	-5.925E-14
34	0.47704	SLU-DRENO	Min	-1047.086	-418.409	-6.021E-14
34	0.	SLV-DRENO	Max	-1094.318	-210.735	0.
34	0.23852	SLV-DRENO	Max	-1090.37	-220.442	-1.189E-15
34	0.47704	SLV-DRENO	Max	-1086.422	-230.149	-2.378E-15
34	0.	SLV-DRENO	Min	-1094.318	-210.735	0.
34	0.23852	SLV-DRENO	Min	-1090.37	-220.442	-1.189E-15
34	0.47704	SLV-DRENO	Min	-1086.422	-230.149	-2.378E-15
34	0.	SLE-CALOTTA	Max	-975.312	-364.845	0.
34	0.23852	SLE-CALOTTA	Max	-977.86	-370.887	-7.399E-16
34	0.47704	SLE-CALOTTA	Max	-980.409	-376.929	-1.480E-15
34	0.	SLE-CALOTTA	Min	-975.312	-364.845	0.
34	0.23852	SLE-CALOTTA	Min	-977.86	-370.887	-7.399E-16
34	0.47704	SLE-CALOTTA	Min	-980.409	-376.929	-1.480E-15
34	0.	SLU-CALOTTA	Max	-1267.867	-474.298	-5.551E-17
34	0.23852	SLU-CALOTTA	Max	-1271.18	-482.152	-1.017E-15
34	0.47704	SLU-CALOTTA	Max	-1274.493	-490.007	-1.979E-15
34	0.	SLU-CALOTTA	Min	-1267.867	-474.298	-5.551E-17
34	0.23852	SLU-CALOTTA	Min	-1271.18	-482.152	-1.017E-15
34	0.47704	SLU-CALOTTA	Min	-1274.493	-490.007	-1.979E-15
34	0.	SLV-CALOTTA	Max	-1382.929	-291.239	-1.110E-16
34	0.23852	SLV-CALOTTA	Max	-1378.981	-300.946	-1.300E-15
34	0.47704	SLV-CALOTTA	Max	-1375.034	-310.653	-2.489E-15
34	0.	SLV-CALOTTA	Min	-1382.929	-291.239	-1.110E-16
34	0.23852	SLV-CALOTTA	Min	-1378.981	-300.946	-1.300E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
34	0.47704	SLV-CALOTTA	Min	-1375.034	-310.653	-2.489E-15
35	0.	SLE-DRENO	Max	-794.045	-279.711	-5.551E-17
35	0.23852	SLE-DRENO	Max	-796.362	-285.846	-8.068E-16
35	0.47704	SLE-DRENO	Max	-798.679	-291.98	-1.558E-15
35	0.	SLE-DRENO	Min	-794.045	-279.711	-5.551E-17
35	0.23852	SLE-DRENO	Min	-796.362	-285.846	-8.068E-16
35	0.47704	SLE-DRENO	Min	-798.679	-291.98	-1.558E-15
35	0.	SLU-DRENO	Max	-1032.218	-363.617	-5.673E-14
35	0.23852	SLU-DRENO	Max	-1035.23	-371.592	-5.771E-14
35	0.47704	SLU-DRENO	Max	-1038.242	-379.567	-5.869E-14
35	0.	SLU-DRENO	Min	-1032.218	-363.617	-5.673E-14
35	0.23852	SLU-DRENO	Min	-1035.23	-371.592	-5.771E-14
35	0.47704	SLU-DRENO	Min	-1038.242	-379.567	-5.869E-14
35	0.	SLV-DRENO	Max	-1096.901	-166.516	-1.705E-13
35	0.23852	SLV-DRENO	Max	-1092.587	-176.066	-1.717E-13
35	0.47704	SLV-DRENO	Max	-1088.273	-185.615	-1.729E-13
35	0.	SLV-DRENO	Min	-1096.901	-166.516	-1.705E-13
35	0.23852	SLV-DRENO	Min	-1092.587	-176.066	-1.717E-13
35	0.47704	SLV-DRENO	Min	-1088.273	-185.615	-1.729E-13
35	0.	SLE-CALOTTA	Max	-966.994	-328.886	-5.551E-17
35	0.23852	SLE-CALOTTA	Max	-969.311	-335.021	-8.068E-16
35	0.47704	SLE-CALOTTA	Max	-971.628	-341.155	-1.558E-15
35	0.	SLE-CALOTTA	Min	-966.994	-328.886	-5.551E-17
35	0.23852	SLE-CALOTTA	Min	-969.311	-335.021	-8.068E-16
35	0.47704	SLE-CALOTTA	Min	-971.628	-341.155	-1.558E-15
35	0.	SLU-CALOTTA	Max	-1257.054	-427.553	-8.527E-14
35	0.23852	SLU-CALOTTA	Max	-1260.066	-435.528	-8.624E-14
35	0.47704	SLU-CALOTTA	Max	-1263.078	-443.503	-8.722E-14
35	0.	SLU-CALOTTA	Min	-1257.054	-427.553	-8.527E-14
35	0.23852	SLU-CALOTTA	Min	-1260.066	-435.528	-8.624E-14
35	0.47704	SLU-CALOTTA	Min	-1263.078	-443.503	-8.722E-14
35	0.	SLV-CALOTTA	Max	-1370.311	-249.734	1.110E-16
35	0.23852	SLV-CALOTTA	Max	-1365.998	-259.284	-1.059E-15
35	0.47704	SLV-CALOTTA	Max	-1361.684	-268.834	-2.228E-15
35	0.	SLV-CALOTTA	Min	-1370.311	-249.734	1.110E-16
35	0.23852	SLV-CALOTTA	Min	-1365.998	-259.284	-1.059E-15
35	0.47704	SLV-CALOTTA	Min	-1361.684	-268.834	-2.228E-15
36	0.	SLE-DRENO	Max	-788.401	-248.677	-8.571E-14
36	0.23852	SLE-DRENO	Max	-790.483	-254.895	-8.647E-14
36	0.47704	SLE-DRENO	Max	-792.565	-261.113	-8.723E-14
36	0.	SLE-DRENO	Min	-788.401	-248.677	-8.571E-14
36	0.23852	SLE-DRENO	Min	-790.483	-254.895	-8.647E-14
36	0.47704	SLE-DRENO	Min	-792.565	-261.113	-8.723E-14
36	0.	SLU-DRENO	Max	-1024.881	-323.274	-5.723E-14
36	0.23852	SLU-DRENO	Max	-1027.587	-331.358	-5.822E-14
36	0.47704	SLU-DRENO	Max	-1030.294	-339.441	-5.921E-14
36	0.	SLU-DRENO	Min	-1024.881	-323.274	-5.723E-14
36	0.23852	SLU-DRENO	Min	-1027.587	-331.358	-5.822E-14
36	0.47704	SLU-DRENO	Min	-1030.294	-339.441	-5.921E-14
36	0.	SLV-DRENO	Max	-1100.588	-124.953	-1.139E-13
36	0.23852	SLV-DRENO	Max	-1095.914	-134.332	-1.151E-13
36	0.47704	SLV-DRENO	Max	-1091.241	-143.711	-1.162E-13
36	0.	SLV-DRENO	Min	-1100.588	-124.953	-1.139E-13
36	0.23852	SLV-DRENO	Min	-1095.914	-134.332	-1.151E-13
36	0.47704	SLV-DRENO	Min	-1091.241	-143.711	-1.162E-13
36	0.	SLE-CALOTTA	Max	-959.59	-292.264	-1.137E-13
36	0.23852	SLE-CALOTTA	Max	-961.672	-298.482	-1.145E-13
36	0.47704	SLE-CALOTTA	Max	-963.754	-304.7	-1.153E-13
36	0.	SLE-CALOTTA	Min	-959.59	-292.264	-1.137E-13



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
36	0.23852	SLE-CALOTTA	Min	-961.672	-298.482	-1.145E-13
36	0.47704	SLE-CALOTTA	Min	-963.754	-304.7	-1.153E-13
36	0.	SLU-CALOTTA	Max	-1247.429	-379.945	-5.695E-14
36	0.23852	SLU-CALOTTA	Max	-1250.135	-388.028	-5.794E-14
36	0.47704	SLU-CALOTTA	Max	-1252.842	-396.112	-5.893E-14
36	0.	SLU-CALOTTA	Min	-1247.429	-379.945	-5.695E-14
36	0.23852	SLU-CALOTTA	Min	-1250.135	-388.028	-5.794E-14
36	0.47704	SLU-CALOTTA	Min	-1252.842	-396.112	-5.893E-14
36	0.	SLV-CALOTTA	Max	-1359.017	-208.73	-2.275E-13
36	0.23852	SLV-CALOTTA	Max	-1354.344	-218.109	-2.286E-13
36	0.47704	SLV-CALOTTA	Max	-1349.67	-227.488	-2.298E-13
36	0.	SLV-CALOTTA	Min	-1359.017	-208.73	-2.275E-13
36	0.23852	SLV-CALOTTA	Min	-1354.344	-218.109	-2.286E-13
36	0.47704	SLV-CALOTTA	Min	-1349.67	-227.488	-2.298E-13
37	0.	SLE-DRENO	Max	-783.48	-216.843	-1.424E-13
37	0.23852	SLE-DRENO	Max	-785.324	-223.136	-1.432E-13
37	0.47704	SLE-DRENO	Max	-787.168	-229.429	-1.440E-13
37	0.	SLE-DRENO	Min	-783.48	-216.843	-1.424E-13
37	0.23852	SLE-DRENO	Min	-785.324	-223.136	-1.432E-13
37	0.47704	SLE-DRENO	Min	-787.168	-229.429	-1.440E-13
37	0.	SLU-DRENO	Max	-1018.483	-281.893	-6.101E-14
37	0.23852	SLU-DRENO	Max	-1020.881	-290.074	-6.201E-14
37	0.47704	SLU-DRENO	Max	-1023.278	-298.254	-6.301E-14
37	0.	SLU-DRENO	Min	-1018.483	-281.893	-6.101E-14
37	0.23852	SLU-DRENO	Min	-1020.881	-290.074	-6.201E-14
37	0.47704	SLU-DRENO	Min	-1023.278	-298.254	-6.301E-14
37	0.	SLV-DRENO	Max	-1105.051	-86.161	-5.707E-14
37	0.23852	SLV-DRENO	Max	-1100.024	-95.356	-5.819E-14
37	0.47704	SLV-DRENO	Max	-1094.998	-104.551	-5.932E-14
37	0.	SLV-DRENO	Min	-1105.051	-86.161	-5.707E-14
37	0.23852	SLV-DRENO	Min	-1100.024	-95.356	-5.819E-14
37	0.47704	SLV-DRENO	Min	-1094.998	-104.551	-5.932E-14
37	0.	SLE-CALOTTA	Max	-953.116	-255.12	-3.412E-13
37	0.23852	SLE-CALOTTA	Max	-954.96	-261.413	-3.419E-13
37	0.47704	SLE-CALOTTA	Max	-956.804	-267.705	-3.427E-13
37	0.	SLE-CALOTTA	Min	-953.116	-255.12	-3.412E-13
37	0.23852	SLE-CALOTTA	Min	-954.96	-261.413	-3.419E-13
37	0.47704	SLE-CALOTTA	Min	-956.804	-267.705	-3.427E-13
37	0.	SLU-CALOTTA	Max	-1239.012	-331.66	-1.706E-13
37	0.23852	SLU-CALOTTA	Max	-1241.409	-339.84	-1.716E-13
37	0.47704	SLU-CALOTTA	Max	-1243.807	-348.02	-1.726E-13
37	0.	SLU-CALOTTA	Min	-1239.012	-331.66	-1.706E-13
37	0.23852	SLU-CALOTTA	Min	-1241.409	-339.84	-1.716E-13
37	0.47704	SLU-CALOTTA	Min	-1243.807	-348.02	-1.726E-13
37	0.	SLV-CALOTTA	Max	-1349.066	-168.444	1.110E-16
37	0.23852	SLV-CALOTTA	Max	-1344.039	-177.639	-1.015E-15
37	0.47704	SLV-CALOTTA	Max	-1339.013	-186.834	-2.141E-15
37	0.	SLV-CALOTTA	Min	-1349.066	-168.444	1.110E-16
37	0.23852	SLV-CALOTTA	Min	-1344.039	-177.639	-1.015E-15
37	0.47704	SLV-CALOTTA	Min	-1339.013	-186.834	-2.141E-15
38	0.	SLE-DRENO	Max	-779.304	-184.371	-2.562E-13
38	0.23852	SLE-DRENO	Max	-780.907	-190.729	-2.570E-13
38	0.47704	SLE-DRENO	Max	-782.511	-197.088	-2.577E-13
38	0.	SLE-DRENO	Min	-779.304	-184.371	-2.562E-13
38	0.23852	SLE-DRENO	Min	-780.907	-190.729	-2.570E-13
38	0.47704	SLE-DRENO	Min	-782.511	-197.088	-2.577E-13
38	0.	SLU-DRENO	Max	-1013.054	-239.682	-1.161E-13
38	0.23852	SLU-DRENO	Max	-1015.139	-247.947	-1.171E-13
38	0.47704	SLU-DRENO	Max	-1017.224	-256.213	-1.181E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
38	0.	SLU-DRENO	Min	-1013.054	-239.682	-1.161E-13
38	0.23852	SLU-DRENO	Min	-1015.139	-247.947	-1.171E-13
38	0.47704	SLU-DRENO	Min	-1017.224	-256.213	-1.181E-13
38	0.	SLV-DRENO	Max	-1109.973	-50.204	-2.276E-13
38	0.23852	SLV-DRENO	Max	-1104.6	-59.201	-2.287E-13
38	0.47704	SLV-DRENO	Max	-1099.228	-68.198	-2.298E-13
38	0.	SLV-DRENO	Min	-1109.973	-50.204	-2.276E-13
38	0.23852	SLV-DRENO	Min	-1104.6	-59.201	-2.287E-13
38	0.47704	SLV-DRENO	Min	-1099.228	-68.198	-2.298E-13
38	0.	SLE-CALOTTA	Max	-947.583	-217.585	1.136E-13
38	0.23852	SLE-CALOTTA	Max	-949.187	-223.944	1.129E-13
38	0.47704	SLE-CALOTTA	Max	-950.791	-230.302	1.121E-13
38	0.	SLE-CALOTTA	Min	-947.583	-217.585	1.136E-13
38	0.23852	SLE-CALOTTA	Min	-949.187	-223.944	1.129E-13
38	0.47704	SLE-CALOTTA	Min	-950.791	-230.302	1.121E-13
38	0.	SLU-CALOTTA	Max	-1231.819	-282.865	-2.842E-14
38	0.23852	SLU-CALOTTA	Max	-1233.904	-291.131	-2.943E-14
38	0.47704	SLU-CALOTTA	Max	-1235.989	-299.397	-3.045E-14
38	0.	SLU-CALOTTA	Min	-1231.819	-282.865	-2.842E-14
38	0.23852	SLU-CALOTTA	Min	-1233.904	-291.131	-2.943E-14
38	0.47704	SLU-CALOTTA	Min	-1235.989	-299.397	-3.045E-14
38	0.	SLV-CALOTTA	Max	-1340.468	-129.087	0.
38	0.23852	SLV-CALOTTA	Max	-1335.096	-138.084	-1.102E-15
38	0.47704	SLV-CALOTTA	Max	-1329.723	-147.081	-2.204E-15
38	0.	SLV-CALOTTA	Min	-1340.468	-129.087	0.
38	0.23852	SLV-CALOTTA	Min	-1335.096	-138.084	-1.102E-15
38	0.47704	SLV-CALOTTA	Min	-1329.723	-147.081	-2.204E-15
39	0.	SLE-DRENO	Max	-775.889	-151.41	-1.477E-14
39	0.23852	SLE-DRENO	Max	-777.25	-157.825	-1.555E-14
39	0.47704	SLE-DRENO	Max	-778.611	-164.239	-1.634E-14
39	0.	SLE-DRENO	Min	-775.889	-151.41	-1.477E-14
39	0.23852	SLE-DRENO	Min	-777.25	-157.825	-1.555E-14
39	0.47704	SLE-DRENO	Min	-778.611	-164.239	-1.634E-14
39	0.	SLU-DRENO	Max	-1008.616	-196.834	-2.289E-13
39	0.23852	SLU-DRENO	Max	-1010.385	-205.173	-2.299E-13
39	0.47704	SLU-DRENO	Max	-1012.154	-213.512	-2.309E-13
39	0.	SLU-DRENO	Min	-1008.616	-196.834	-2.289E-13
39	0.23852	SLU-DRENO	Min	-1010.385	-205.173	-2.299E-13
39	0.47704	SLU-DRENO	Min	-1012.154	-213.512	-2.309E-13
39	0.	SLV-DRENO	Max	-1115.052	-17.098	-1.137E-13
39	0.23852	SLV-DRENO	Max	-1109.341	-25.884	-1.148E-13
39	0.47704	SLV-DRENO	Max	-1103.631	-34.67	-1.158E-13
39	0.	SLV-DRENO	Min	-1115.052	-17.098	-1.137E-13
39	0.23852	SLV-DRENO	Min	-1109.341	-25.884	-1.148E-13
39	0.47704	SLV-DRENO	Min	-1103.631	-34.67	-1.158E-13
39	0.	SLE-CALOTTA	Max	-943.	-179.777	1.136E-13
39	0.23852	SLE-CALOTTA	Max	-944.361	-186.192	1.128E-13
39	0.47704	SLE-CALOTTA	Max	-945.722	-192.606	1.120E-13
39	0.	SLE-CALOTTA	Min	-943.	-179.777	1.136E-13
39	0.23852	SLE-CALOTTA	Min	-944.361	-186.192	1.128E-13
39	0.47704	SLE-CALOTTA	Min	-945.722	-192.606	1.120E-13
39	0.	SLU-CALOTTA	Max	-1225.861	-233.716	-1.990E-13
39	0.23852	SLU-CALOTTA	Max	-1227.63	-242.054	-2.000E-13
39	0.47704	SLU-CALOTTA	Max	-1229.4	-250.393	-2.010E-13
39	0.	SLU-CALOTTA	Min	-1225.861	-233.716	-1.990E-13
39	0.23852	SLU-CALOTTA	Min	-1227.63	-242.054	-2.000E-13
39	0.47704	SLU-CALOTTA	Min	-1229.4	-250.393	-2.010E-13
39	0.	SLV-CALOTTA	Max	-1333.223	-90.865	0.
39	0.23852	SLV-CALOTTA	Max	-1327.512	-99.651	-1.076E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
39	0.47704	SLV-CALOTTA	Max	-1321.802	-108.437	-2.152E-15
39	0.	SLV-CALOTTA	Min	-1333.223	-90.865	0.
39	0.23852	SLV-CALOTTA	Min	-1327.512	-99.651	-1.076E-15
39	0.47704	SLV-CALOTTA	Min	-1321.802	-108.437	-2.152E-15
40	0.	SLE-DRENO	Max	-773.246	-118.101	-1.139E-13
40	0.23852	SLE-DRENO	Max	-774.363	-124.563	-1.146E-13
40	0.47704	SLE-DRENO	Max	-775.479	-131.025	-1.154E-13
40	0.	SLE-DRENO	Min	-773.246	-118.101	-1.139E-13
40	0.23852	SLE-DRENO	Min	-774.363	-124.563	-1.146E-13
40	0.47704	SLE-DRENO	Min	-775.479	-131.025	-1.154E-13
40	0.	SLU-DRENO	Max	-1005.181	-153.535	-1.832E-15
40	0.23852	SLU-DRENO	Max	-1006.632	-161.935	-2.861E-15
40	0.47704	SLU-DRENO	Max	-1008.083	-170.335	-3.889E-15
40	0.	SLU-DRENO	Min	-1005.181	-153.535	-1.832E-15
40	0.23852	SLU-DRENO	Min	-1006.632	-161.935	-2.861E-15
40	0.47704	SLU-DRENO	Min	-1008.083	-170.335	-3.889E-15
40	0.	SLV-DRENO	Max	-1120.008	13.185	0.
40	0.23852	SLV-DRENO	Max	-1113.968	4.622	-1.049E-15
40	0.47704	SLV-DRENO	Max	-1107.928	-3.941	-2.097E-15
40	0.	SLV-DRENO	Min	-1120.008	13.185	0.
40	0.23852	SLV-DRENO	Min	-1113.968	4.622	-1.049E-15
40	0.47704	SLV-DRENO	Min	-1107.928	-3.941	-2.097E-15
40	0.	SLE-CALOTTA	Max	-939.37	-141.802	-2.274E-13
40	0.23852	SLE-CALOTTA	Max	-940.486	-148.264	-2.282E-13
40	0.47704	SLE-CALOTTA	Max	-941.602	-154.726	-2.290E-13
40	0.	SLE-CALOTTA	Min	-939.37	-141.802	-2.274E-13
40	0.23852	SLE-CALOTTA	Min	-940.486	-148.264	-2.282E-13
40	0.47704	SLE-CALOTTA	Min	-941.602	-154.726	-2.290E-13
40	0.	SLU-CALOTTA	Max	-1221.141	-184.349	-5.707E-14
40	0.23852	SLU-CALOTTA	Max	-1222.593	-192.749	-5.809E-14
40	0.47704	SLU-CALOTTA	Max	-1224.044	-201.149	-5.912E-14
40	0.	SLU-CALOTTA	Min	-1221.141	-184.349	-5.707E-14
40	0.23852	SLU-CALOTTA	Min	-1222.593	-192.749	-5.809E-14
40	0.47704	SLU-CALOTTA	Min	-1224.044	-201.149	-5.912E-14
40	0.	SLV-CALOTTA	Max	-1327.316	-53.973	0.
40	0.23852	SLV-CALOTTA	Max	-1321.276	-62.536	-1.049E-15
40	0.47704	SLV-CALOTTA	Max	-1315.235	-71.099	-2.097E-15
40	0.	SLV-CALOTTA	Min	-1327.316	-53.973	0.
40	0.23852	SLV-CALOTTA	Min	-1321.276	-62.536	-1.049E-15
40	0.47704	SLV-CALOTTA	Min	-1315.235	-71.099	-2.097E-15
41	0.	SLE-DRENO	Max	-771.384	-84.58	-1.280E-13
41	0.23852	SLE-DRENO	Max	-772.254	-91.079	-1.288E-13
41	0.47704	SLE-DRENO	Max	-773.124	-97.579	-1.296E-13
41	0.	SLE-DRENO	Min	-771.384	-84.58	-1.280E-13
41	0.23852	SLE-DRENO	Min	-772.254	-91.079	-1.288E-13
41	0.47704	SLE-DRENO	Min	-773.124	-97.579	-1.296E-13
41	0.	SLU-DRENO	Max	-1002.76	-109.958	-2.288E-13
41	0.23852	SLU-DRENO	Max	-1003.891	-118.407	-2.298E-13
41	0.47704	SLU-DRENO	Max	-1005.021	-126.857	-2.308E-13
41	0.	SLU-DRENO	Min	-1002.76	-109.958	-2.288E-13
41	0.23852	SLU-DRENO	Min	-1003.891	-118.407	-2.298E-13
41	0.47704	SLU-DRENO	Min	-1005.021	-126.857	-2.308E-13
41	0.	SLV-DRENO	Max	-1124.588	40.706	-1.137E-13
41	0.23852	SLV-DRENO	Max	-1118.227	32.379	-1.147E-13
41	0.47704	SLV-DRENO	Max	-1111.866	24.052	-1.157E-13
41	0.	SLV-DRENO	Min	-1124.588	40.706	-1.137E-13
41	0.23852	SLV-DRENO	Min	-1118.227	32.379	-1.147E-13
41	0.47704	SLV-DRENO	Min	-1111.866	24.052	-1.157E-13
41	0.	SLE-CALOTTA	Max	-936.694	-103.759	2.273E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
41	0.23852	SLE-CALOTTA	Max	-937.564	-110.258	2.265E-13
41	0.47704	SLE-CALOTTA	Max	-938.433	-116.757	2.257E-13
41	0.	SLE-CALOTTA	Min	-936.694	-103.759	2.273E-13
41	0.23852	SLE-CALOTTA	Min	-937.564	-110.258	2.265E-13
41	0.47704	SLE-CALOTTA	Min	-938.433	-116.757	2.257E-13
41	0.	SLU-CALOTTA	Max	-1217.662	-134.893	2.837E-14
41	0.23852	SLU-CALOTTA	Max	-1218.793	-143.342	2.733E-14
41	0.47704	SLU-CALOTTA	Max	-1219.924	-151.791	2.630E-14
41	0.	SLU-CALOTTA	Min	-1217.662	-134.893	2.837E-14
41	0.23852	SLU-CALOTTA	Min	-1218.793	-143.342	2.733E-14
41	0.47704	SLU-CALOTTA	Min	-1219.924	-151.791	2.630E-14
41	0.	SLV-CALOTTA	Max	-1322.724	-18.608	-4.549E-13
41	0.23852	SLV-CALOTTA	Max	-1316.362	-26.935	-4.559E-13
41	0.47704	SLV-CALOTTA	Max	-1310.001	-35.263	-4.569E-13
41	0.	SLV-CALOTTA	Min	-1322.724	-18.608	-4.549E-13
41	0.23852	SLV-CALOTTA	Min	-1316.362	-26.935	-4.559E-13
41	0.47704	SLV-CALOTTA	Min	-1310.001	-35.263	-4.569E-13
42	0.	SLE-DRENO	Max	-770.304	-50.973	-2.853E-14
42	0.23852	SLE-DRENO	Max	-770.927	-57.501	-2.933E-14
42	0.47704	SLE-DRENO	Max	-771.549	-64.029	-3.013E-14
42	0.	SLE-DRENO	Min	-770.304	-50.973	-2.853E-14
42	0.23852	SLE-DRENO	Min	-770.927	-57.501	-2.933E-14
42	0.47704	SLE-DRENO	Min	-771.549	-64.029	-3.013E-14
42	0.	SLU-DRENO	Max	-1001.356	-66.271	-1.152E-13
42	0.23852	SLU-DRENO	Max	-1002.165	-74.757	-1.162E-13
42	0.47704	SLU-DRENO	Max	-1002.974	-83.243	-1.173E-13
42	0.	SLU-DRENO	Min	-1001.356	-66.271	-1.152E-13
42	0.23852	SLU-DRENO	Min	-1002.165	-74.757	-1.162E-13
42	0.47704	SLU-DRENO	Min	-1002.974	-83.243	-1.173E-13
42	0.	SLV-DRENO	Max	-1128.568	65.558	0.
42	0.23852	SLV-DRENO	Max	-1121.895	57.479	-9.894E-16
42	0.47704	SLV-DRENO	Max	-1115.222	49.4	-1.979E-15
42	0.	SLV-DRENO	Min	-1128.568	65.558	0.
42	0.23852	SLV-DRENO	Min	-1121.895	57.479	-9.894E-16
42	0.47704	SLV-DRENO	Min	-1115.222	49.4	-1.979E-15
42	0.	SLE-CALOTTA	Max	-934.97	-65.735	-1.137E-13
42	0.23852	SLE-CALOTTA	Max	-935.593	-72.263	-1.145E-13
42	0.47704	SLE-CALOTTA	Max	-936.215	-78.791	-1.153E-13
42	0.	SLE-CALOTTA	Min	-934.97	-65.735	-1.137E-13
42	0.23852	SLE-CALOTTA	Min	-935.593	-72.263	-1.145E-13
42	0.47704	SLE-CALOTTA	Min	-936.215	-78.791	-1.153E-13
42	0.	SLU-CALOTTA	Max	-1215.422	-85.463	-8.527E-14
42	0.23852	SLU-CALOTTA	Max	-1216.23	-93.949	-8.630E-14
42	0.47704	SLU-CALOTTA	Max	-1217.039	-102.435	-8.734E-14
42	0.	SLU-CALOTTA	Min	-1215.422	-85.463	-8.527E-14
42	0.23852	SLU-CALOTTA	Min	-1216.23	-93.949	-8.630E-14
42	0.47704	SLU-CALOTTA	Min	-1217.039	-102.435	-8.734E-14
42	0.	SLV-CALOTTA	Max	-1319.41	15.042	-4.549E-13
42	0.23852	SLV-CALOTTA	Max	-1312.737	6.963	-4.558E-13
42	0.47704	SLV-CALOTTA	Max	-1306.064	-1.116	-4.568E-13
42	0.	SLV-CALOTTA	Min	-1319.41	15.042	-4.549E-13
42	0.23852	SLV-CALOTTA	Min	-1312.737	6.963	-4.558E-13
42	0.47704	SLV-CALOTTA	Min	-1306.064	-1.116	-4.568E-13
43	0.	SLE-DRENO	Max	-770.006	-17.407	-2.870E-14
43	0.23852	SLE-DRENO	Max	-770.38	-23.953	-2.950E-14
43	0.47704	SLE-DRENO	Max	-770.754	-30.5	-3.030E-14
43	0.	SLE-DRENO	Min	-770.006	-17.407	-2.870E-14
43	0.23852	SLE-DRENO	Min	-770.38	-23.953	-2.950E-14
43	0.47704	SLE-DRENO	Min	-770.754	-30.5	-3.030E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
43	0.	SLU-DRENO	Max	-1000.968	-22.636	-5.856E-14
43	0.23852	SLU-DRENO	Max	-1001.454	-31.147	-5.961E-14
43	0.47704	SLU-DRENO	Max	-1001.94	-39.657	-6.065E-14
43	0.	SLU-DRENO	Min	-1000.968	-22.636	-5.856E-14
43	0.23852	SLU-DRENO	Min	-1001.454	-31.147	-5.961E-14
43	0.47704	SLU-DRENO	Min	-1001.94	-39.657	-6.065E-14
43	0.	SLV-DRENO	Max	-1131.757	87.859	-2.276E-13
43	0.23852	SLV-DRENO	Max	-1124.782	80.039	-2.286E-13
43	0.47704	SLV-DRENO	Max	-1117.806	72.219	-2.295E-13
43	0.	SLV-DRENO	Min	-1131.757	87.859	-2.276E-13
43	0.23852	SLV-DRENO	Min	-1124.782	80.039	-2.286E-13
43	0.47704	SLV-DRENO	Min	-1117.806	72.219	-2.295E-13
43	0.	SLE-CALOTTA	Max	-934.194	-27.817	-1.137E-13
43	0.23852	SLE-CALOTTA	Max	-934.568	-34.364	-1.145E-13
43	0.47704	SLE-CALOTTA	Max	-934.942	-40.911	-1.153E-13
43	0.	SLE-CALOTTA	Min	-934.194	-27.817	-1.137E-13
43	0.23852	SLE-CALOTTA	Min	-934.568	-34.364	-1.145E-13
43	0.47704	SLE-CALOTTA	Min	-934.942	-40.911	-1.153E-13
43	0.	SLU-CALOTTA	Max	-1214.412	-36.171	-5.690E-14
43	0.23852	SLU-CALOTTA	Max	-1214.898	-44.681	-5.794E-14
43	0.47704	SLU-CALOTTA	Max	-1215.383	-53.192	-5.898E-14
43	0.	SLU-CALOTTA	Min	-1214.412	-36.171	-5.690E-14
43	0.23852	SLU-CALOTTA	Min	-1214.898	-44.681	-5.794E-14
43	0.47704	SLU-CALOTTA	Min	-1215.383	-53.192	-5.898E-14
43	0.	SLV-CALOTTA	Max	-1317.327	46.79	-2.274E-13
43	0.23852	SLV-CALOTTA	Max	-1310.351	38.97	-2.283E-13
43	0.47704	SLV-CALOTTA	Max	-1303.376	31.15	-2.293E-13
43	0.	SLV-CALOTTA	Min	-1317.327	46.79	-2.274E-13
43	0.23852	SLV-CALOTTA	Min	-1310.351	38.97	-2.283E-13
43	0.47704	SLV-CALOTTA	Min	-1303.376	31.15	-2.293E-13
44	0.	SLE-DRENO	Max	-770.484	15.999	9.925E-14
44	0.23852	SLE-DRENO	Max	-770.609	9.443	9.845E-14
44	0.47704	SLE-DRENO	Max	-770.734	2.887	9.765E-14
44	0.	SLE-DRENO	Min	-770.484	15.999	9.925E-14
44	0.23852	SLE-DRENO	Min	-770.609	9.443	9.845E-14
44	0.47704	SLE-DRENO	Min	-770.734	2.887	9.765E-14
44	0.	SLU-DRENO	Max	-1001.589	20.79	-1.154E-13
44	0.23852	SLU-DRENO	Max	-1001.751	12.267	-1.164E-13
44	0.47704	SLU-DRENO	Max	-1001.913	3.745	-1.174E-13
44	0.	SLU-DRENO	Min	-1001.589	20.79	-1.154E-13
44	0.23852	SLU-DRENO	Min	-1001.751	12.267	-1.164E-13
44	0.47704	SLU-DRENO	Min	-1001.913	3.745	-1.174E-13
44	0.	SLV-DRENO	Max	-1134.001	107.741	-1.705E-13
44	0.23852	SLV-DRENO	Max	-1126.733	100.192	-1.715E-13
44	0.47704	SLV-DRENO	Max	-1119.466	92.643	-1.724E-13
44	0.	SLV-DRENO	Min	-1134.001	107.741	-1.705E-13
44	0.23852	SLV-DRENO	Min	-1126.733	100.192	-1.715E-13
44	0.47704	SLV-DRENO	Min	-1119.466	92.643	-1.724E-13
44	0.	SLE-CALOTTA	Max	-934.359	9.914	-1.110E-16
44	0.23852	SLE-CALOTTA	Max	-934.484	3.358	-9.139E-16
44	0.47704	SLE-CALOTTA	Max	-934.608	-3.198	-1.717E-15
44	0.	SLE-CALOTTA	Min	-934.359	9.914	-1.110E-16
44	0.23852	SLE-CALOTTA	Min	-934.484	3.358	-9.139E-16
44	0.47704	SLE-CALOTTA	Min	-934.608	-3.198	-1.717E-15
44	0.	SLU-CALOTTA	Max	-1214.626	12.88	-2.842E-14
44	0.23852	SLU-CALOTTA	Max	-1214.788	4.357	-2.947E-14
44	0.47704	SLU-CALOTTA	Max	-1214.95	-4.166	-3.051E-14
44	0.	SLU-CALOTTA	Min	-1214.626	12.88	-2.842E-14
44	0.23852	SLU-CALOTTA	Min	-1214.788	4.357	-2.947E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
44	0.47704	SLU-CALOTTA	Min	-1214.95	-4.166	-3.051E-14
44	0.	SLV-CALOTTA	Max	-1316.413	76.451	-2.276E-13
44	0.23852	SLV-CALOTTA	Max	-1309.145	68.902	-2.285E-13
44	0.47704	SLV-CALOTTA	Max	-1301.878	61.352	-2.294E-13
44	0.	SLV-CALOTTA	Min	-1316.413	76.451	-2.276E-13
44	0.23852	SLV-CALOTTA	Min	-1309.145	68.902	-2.285E-13
44	0.47704	SLV-CALOTTA	Min	-1301.878	61.352	-2.294E-13
45	0.	SLE-DRENO	Max	-621.856	33.772	-6.235E-14
45	0.24678	SLE-DRENO	Max	-621.626	39.936	-6.235E-14
45	0.49356	SLE-DRENO	Max	-621.395	46.099	-6.235E-14
45	0.	SLE-DRENO	Min	-621.856	33.772	-6.235E-14
45	0.24678	SLE-DRENO	Min	-621.626	39.936	-6.235E-14
45	0.49356	SLE-DRENO	Min	-621.395	46.099	-6.235E-14
45	0.	SLU-DRENO	Max	-808.358	43.895	-6.532E-14
45	0.24678	SLU-DRENO	Max	-808.059	51.907	-6.532E-14
45	0.49356	SLU-DRENO	Max	-807.759	59.919	-6.532E-14
45	0.	SLU-DRENO	Min	-808.358	43.895	-6.532E-14
45	0.24678	SLU-DRENO	Min	-808.059	51.907	-6.532E-14
45	0.49356	SLU-DRENO	Min	-807.759	59.919	-6.532E-14
45	0.	SLV-DRENO	Max	-891.675	110.433	-9.956E-14
45	0.24678	SLV-DRENO	Max	-898.379	117.658	-9.956E-14
45	0.49356	SLV-DRENO	Max	-905.083	124.883	-9.956E-14
45	0.	SLV-DRENO	Min	-891.675	110.433	-9.956E-14
45	0.24678	SLV-DRENO	Min	-898.379	117.658	-9.956E-14
45	0.49356	SLV-DRENO	Min	-905.083	124.883	-9.956E-14
45	0.	SLE-CALOTTA	Max	-669.835	32.22	-4.267E-14
45	0.24678	SLE-CALOTTA	Max	-669.604	38.383	-4.267E-14
45	0.49356	SLE-CALOTTA	Max	-669.374	44.547	-4.267E-14
45	0.	SLE-CALOTTA	Min	-669.835	32.22	-4.267E-14
45	0.24678	SLE-CALOTTA	Min	-669.604	38.383	-4.267E-14
45	0.49356	SLE-CALOTTA	Min	-669.374	44.547	-4.267E-14
45	0.	SLU-CALOTTA	Max	-870.742	41.877	-4.267E-14
45	0.24678	SLU-CALOTTA	Max	-870.442	49.89	-4.267E-14
45	0.49356	SLU-CALOTTA	Max	-870.142	57.902	-4.267E-14
45	0.	SLU-CALOTTA	Min	-870.742	41.877	-4.267E-14
45	0.24678	SLU-CALOTTA	Min	-870.442	49.89	-4.267E-14
45	0.49356	SLU-CALOTTA	Min	-870.142	57.902	-4.267E-14
45	0.	SLV-CALOTTA	Max	-972.404	82.48	-2.847E-14
45	0.24678	SLV-CALOTTA	Max	-979.108	89.706	-2.847E-14
45	0.49356	SLV-CALOTTA	Max	-985.812	96.931	-2.847E-14
45	0.	SLV-CALOTTA	Min	-972.404	82.48	-2.847E-14
45	0.24678	SLV-CALOTTA	Min	-979.108	89.706	-2.847E-14
45	0.49356	SLV-CALOTTA	Min	-985.812	96.931	-2.847E-14
46	0.	SLE-DRENO	Max	-622.128	21.426	-4.460E-14
46	0.24678	SLE-DRENO	Max	-621.438	27.554	-4.460E-14
46	0.49356	SLE-DRENO	Max	-620.747	33.683	-4.460E-14
46	0.	SLE-DRENO	Min	-622.128	21.426	-4.460E-14
46	0.24678	SLE-DRENO	Min	-621.438	27.554	-4.460E-14
46	0.49356	SLE-DRENO	Min	-620.747	33.683	-4.460E-14
46	0.	SLU-DRENO	Max	-808.713	27.844	-7.946E-14
46	0.24678	SLU-DRENO	Max	-807.815	35.812	-7.946E-14
46	0.49356	SLU-DRENO	Max	-806.918	43.78	-7.946E-14
46	0.	SLU-DRENO	Min	-808.713	27.844	-7.946E-14
46	0.24678	SLU-DRENO	Min	-807.815	35.812	-7.946E-14
46	0.49356	SLU-DRENO	Min	-806.918	43.78	-7.946E-14
46	0.	SLV-DRENO	Max	-882.413	109.992	-8.536E-14
46	0.24678	SLV-DRENO	Max	-888.559	117.698	-8.536E-14
46	0.49356	SLV-DRENO	Max	-894.704	125.404	-8.536E-14
46	0.	SLV-DRENO	Min	-882.413	109.992	-8.536E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
46	0.24678	SLV-DRENO	Min	-888.559	117.698	-8.536E-14
46	0.49356	SLV-DRENO	Min	-894.704	125.404	-8.536E-14
46	0.	SLE-CALOTTA	Max	-670.086	23.463	-1.425E-14
46	0.24678	SLE-CALOTTA	Max	-669.396	29.592	-1.425E-14
46	0.49356	SLE-CALOTTA	Max	-668.705	35.721	-1.425E-14
46	0.	SLE-CALOTTA	Min	-670.086	23.463	-1.425E-14
46	0.24678	SLE-CALOTTA	Min	-669.396	29.592	-1.425E-14
46	0.49356	SLE-CALOTTA	Min	-668.705	35.721	-1.425E-14
46	0.	SLU-CALOTTA	Max	-871.069	30.492	-4.623E-14
46	0.24678	SLU-CALOTTA	Max	-870.172	38.46	-4.623E-14
46	0.49356	SLU-CALOTTA	Max	-869.274	46.428	-4.623E-14
46	0.	SLU-CALOTTA	Min	-871.069	30.492	-4.623E-14
46	0.24678	SLU-CALOTTA	Min	-870.172	38.46	-4.623E-14
46	0.49356	SLU-CALOTTA	Min	-869.274	46.428	-4.623E-14
46	0.	SLV-CALOTTA	Max	-964.979	88.353	-4.267E-14
46	0.24678	SLV-CALOTTA	Max	-971.124	96.059	-4.267E-14
46	0.49356	SLV-CALOTTA	Max	-977.269	103.765	-4.267E-14
46	0.	SLV-CALOTTA	Min	-964.979	88.353	-4.267E-14
46	0.24678	SLV-CALOTTA	Min	-971.124	96.059	-4.267E-14
46	0.49356	SLV-CALOTTA	Min	-977.269	103.765	-4.267E-14
47	0.	SLE-DRENO	Max	-625.743	8.224	-4.099E-14
47	0.24678	SLE-DRENO	Max	-624.596	14.284	-4.099E-14
47	0.49356	SLE-DRENO	Max	-623.45	20.345	-4.099E-14
47	0.	SLE-DRENO	Min	-625.743	8.224	-4.099E-14
47	0.24678	SLE-DRENO	Min	-624.596	14.284	-4.099E-14
47	0.49356	SLE-DRENO	Min	-623.45	20.345	-4.099E-14
47	0.	SLU-DRENO	Max	-813.413	10.683	-5.057E-14
47	0.24678	SLU-DRENO	Max	-811.922	18.561	-5.057E-14
47	0.49356	SLU-DRENO	Max	-810.432	26.439	-5.057E-14
47	0.	SLU-DRENO	Min	-813.413	10.683	-5.057E-14
47	0.24678	SLU-DRENO	Min	-811.922	18.561	-5.057E-14
47	0.49356	SLU-DRENO	Min	-810.432	26.439	-5.057E-14
47	0.	SLV-DRENO	Max	-875.386	107.448	-7.111E-14
47	0.24678	SLV-DRENO	Max	-880.938	115.592	-7.111E-14
47	0.49356	SLV-DRENO	Max	-886.491	123.736	-7.111E-14
47	0.	SLV-DRENO	Min	-875.386	107.448	-7.111E-14
47	0.24678	SLV-DRENO	Min	-880.938	115.592	-7.111E-14
47	0.49356	SLV-DRENO	Min	-886.491	123.736	-7.111E-14
47	0.	SLE-CALOTTA	Max	-673.393	13.835	-4.266E-14
47	0.24678	SLE-CALOTTA	Max	-672.246	19.896	-4.266E-14
47	0.49356	SLE-CALOTTA	Max	-671.1	25.956	-4.266E-14
47	0.	SLE-CALOTTA	Min	-673.393	13.835	-4.266E-14
47	0.24678	SLE-CALOTTA	Min	-672.246	19.896	-4.266E-14
47	0.49356	SLE-CALOTTA	Min	-671.1	25.956	-4.266E-14
47	0.	SLU-CALOTTA	Max	-875.369	17.976	-2.845E-14
47	0.24678	SLU-CALOTTA	Max	-873.878	25.855	-2.845E-14
47	0.49356	SLU-CALOTTA	Max	-872.388	33.733	-2.845E-14
47	0.	SLU-CALOTTA	Min	-875.369	17.976	-2.845E-14
47	0.24678	SLU-CALOTTA	Min	-873.878	25.855	-2.845E-14
47	0.49356	SLU-CALOTTA	Min	-872.388	33.733	-2.845E-14
47	0.	SLV-CALOTTA	Max	-959.156	92.831	-5.688E-14
47	0.24678	SLV-CALOTTA	Max	-964.708	100.975	-5.688E-14
47	0.49356	SLV-CALOTTA	Max	-970.26	109.119	-5.688E-14
47	0.	SLV-CALOTTA	Min	-959.156	92.831	-5.688E-14
47	0.24678	SLV-CALOTTA	Min	-964.708	100.975	-5.688E-14
47	0.49356	SLV-CALOTTA	Min	-970.26	109.119	-5.688E-14
48	0.	SLE-DRENO	Max	-632.797	-5.627	-3.922E-14
48	0.24678	SLE-DRENO	Max	-631.201	0.331	-3.922E-14
48	0.49356	SLE-DRENO	Max	-629.604	6.288	-3.922E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
48	0.	SLE-DRENO	Min	-632.797	-5.627	-3.922E-14
48	0.24678	SLE-DRENO	Min	-631.201	0.331	-3.922E-14
48	0.49356	SLE-DRENO	Min	-629.604	6.288	-3.922E-14
48	0.	SLU-DRENO	Max	-822.583	-7.323	-6.482E-14
48	0.24678	SLU-DRENO	Max	-820.508	0.422	-6.482E-14
48	0.49356	SLU-DRENO	Max	-818.433	8.167	-6.482E-14
48	0.	SLV-DRENO	Min	-822.583	-7.323	-6.482E-14
48	0.24678	SLV-DRENO	Min	-820.508	0.422	-6.482E-14
48	0.49356	SLV-DRENO	Min	-818.433	8.167	-6.482E-14
48	0.	SLV-DRENO	Max	-870.792	102.825	-7.468E-14
48	0.24678	SLV-DRENO	Max	-875.72	111.361	-7.468E-14
48	0.49356	SLV-DRENO	Max	-880.648	119.897	-7.468E-14
48	0.	SLV-DRENO	Min	-870.792	102.825	-7.468E-14
48	0.24678	SLV-DRENO	Min	-875.72	111.361	-7.468E-14
48	0.49356	SLV-DRENO	Min	-880.648	119.897	-7.468E-14
48	0.	SLE-CALOTTA	Max	-679.823	3.511	-1.424E-14
48	0.24678	SLE-CALOTTA	Max	-678.227	9.468	-1.424E-14
48	0.49356	SLE-CALOTTA	Max	-676.63	15.426	-1.424E-14
48	0.	SLE-CALOTTA	Min	-679.823	3.511	-1.424E-14
48	0.24678	SLE-CALOTTA	Min	-678.227	9.468	-1.424E-14
48	0.49356	SLE-CALOTTA	Min	-676.63	15.426	-1.424E-14
48	0.	SLU-CALOTTA	Max	-883.729	4.554	-3.200E-14
48	0.24678	SLU-CALOTTA	Max	-881.653	12.298	-3.200E-14
48	0.49356	SLU-CALOTTA	Max	-879.578	20.043	-3.200E-14
48	0.	SLU-CALOTTA	Min	-883.729	4.554	-3.200E-14
48	0.24678	SLU-CALOTTA	Min	-881.653	12.298	-3.200E-14
48	0.49356	SLU-CALOTTA	Min	-879.578	20.043	-3.200E-14
48	0.	SLV-CALOTTA	Max	-954.853	96.218	-4.622E-14
48	0.24678	SLV-CALOTTA	Max	-959.782	104.754	-4.622E-14
48	0.49356	SLV-CALOTTA	Max	-964.71	113.29	-4.622E-14
48	0.	SLV-CALOTTA	Min	-954.853	96.218	-4.622E-14
48	0.24678	SLV-CALOTTA	Min	-959.782	104.754	-4.622E-14
48	0.49356	SLV-CALOTTA	Min	-964.71	113.29	-4.622E-14
49	0.	SLE-DRENO	Max	-643.354	-19.886	-4.722E-14
49	0.24678	SLE-DRENO	Max	-641.317	-14.064	-4.722E-14
49	0.49356	SLE-DRENO	Max	-639.279	-8.243	-4.722E-14
49	0.	SLE-DRENO	Min	-643.354	-19.886	-4.722E-14
49	0.24678	SLE-DRENO	Min	-641.317	-14.064	-4.722E-14
49	0.49356	SLE-DRENO	Min	-639.279	-8.243	-4.722E-14
49	0.	SLU-DRENO	Max	-836.308	-25.859	-6.137E-14
49	0.24678	SLU-DRENO	Max	-833.659	-18.291	-6.137E-14
49	0.49356	SLU-DRENO	Max	-831.011	-10.722	-6.137E-14
49	0.	SLU-DRENO	Min	-836.308	-25.859	-6.137E-14
49	0.24678	SLU-DRENO	Min	-833.659	-18.291	-6.137E-14
49	0.49356	SLU-DRENO	Min	-831.011	-10.722	-6.137E-14
49	0.	SLV-DRENO	Max	-868.811	96.186	-7.468E-14
49	0.24678	SLV-DRENO	Max	-873.088	105.067	-7.468E-14
49	0.49356	SLV-DRENO	Max	-877.364	113.947	-7.468E-14
49	0.	SLV-DRENO	Min	-868.811	96.186	-7.468E-14
49	0.24678	SLV-DRENO	Min	-873.088	105.067	-7.468E-14
49	0.49356	SLV-DRENO	Min	-877.364	113.947	-7.468E-14
49	0.	SLE-CALOTTA	Max	-689.401	-7.317	-3.555E-14
49	0.24678	SLE-CALOTTA	Max	-687.364	-1.495	-3.555E-14
49	0.49356	SLE-CALOTTA	Max	-685.327	4.326	-3.555E-14
49	0.	SLE-CALOTTA	Min	-689.401	-7.317	-3.555E-14
49	0.24678	SLE-CALOTTA	Min	-687.364	-1.495	-3.555E-14
49	0.49356	SLE-CALOTTA	Min	-685.327	4.326	-3.555E-14
49	0.	SLU-CALOTTA	Max	-896.182	-9.522	-3.556E-14
49	0.24678	SLU-CALOTTA	Max	-893.533	-1.954	-3.556E-14



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
49	0.49356	SLU-CALOTTA	Max	-890.885	5.614	-3.556E-14
49	0.	SLU-CALOTTA	Min	-896.182	-9.522	-3.556E-14
49	0.24678	SLU-CALOTTA	Min	-893.533	-1.954	-3.556E-14
49	0.49356	SLU-CALOTTA	Min	-890.885	5.614	-3.556E-14
49	0.	SLV-CALOTTA	Max	-951.869	98.746	-4.801E-14
49	0.24678	SLV-CALOTTA	Max	-956.146	107.626	-4.801E-14
49	0.49356	SLV-CALOTTA	Max	-960.422	116.506	-4.801E-14
49	0.	SLV-CALOTTA	Min	-951.869	98.746	-4.801E-14
49	0.24678	SLV-CALOTTA	Min	-956.146	107.626	-4.801E-14
49	0.49356	SLV-CALOTTA	Min	-960.422	116.506	-4.801E-14
50	0.	SLE-DRENO	Max	-657.433	-34.275	-6.057E-14
50	0.24678	SLE-DRENO	Max	-654.966	-28.622	-6.057E-14
50	0.49356	SLE-DRENO	Max	-652.5	-22.968	-6.057E-14
50	0.	SLE-DRENO	Min	-657.433	-34.275	-6.057E-14
50	0.24678	SLE-DRENO	Min	-654.966	-28.622	-6.057E-14
50	0.49356	SLE-DRENO	Min	-652.5	-22.968	-6.057E-14
50	0.	SLU-DRENO	Max	-854.611	-44.563	-6.871E-14
50	0.24678	SLU-DRENO	Max	-851.405	-37.214	-6.871E-14
50	0.49356	SLU-DRENO	Max	-848.198	-29.865	-6.871E-14
50	0.	SLU-DRENO	Min	-854.611	-44.563	-6.871E-14
50	0.24678	SLU-DRENO	Min	-851.405	-37.214	-6.871E-14
50	0.49356	SLU-DRENO	Min	-848.198	-29.865	-6.871E-14
50	0.	SLV-DRENO	Max	-869.599	87.64	-8.535E-14
50	0.24678	SLV-DRENO	Max	-873.2	96.815	-8.535E-14
50	0.49356	SLV-DRENO	Max	-876.801	105.99	-8.535E-14
50	0.	SLV-DRENO	Min	-869.599	87.64	-8.535E-14
50	0.24678	SLV-DRENO	Min	-873.2	96.815	-8.535E-14
50	0.49356	SLV-DRENO	Min	-876.801	105.99	-8.535E-14
50	0.	SLE-CALOTTA	Max	-702.106	-18.433	-4.266E-14
50	0.24678	SLE-CALOTTA	Max	-699.64	-12.78	-4.266E-14
50	0.49356	SLE-CALOTTA	Max	-697.173	-7.127	-4.266E-14
50	0.	SLE-CALOTTA	Min	-702.106	-18.433	-4.266E-14
50	0.24678	SLE-CALOTTA	Min	-699.64	-12.78	-4.266E-14
50	0.49356	SLE-CALOTTA	Min	-697.173	-7.127	-4.266E-14
50	0.	SLU-CALOTTA	Max	-912.698	-23.974	-3.912E-14
50	0.24678	SLU-CALOTTA	Max	-909.492	-16.625	-3.912E-14
50	0.49356	SLU-CALOTTA	Max	-906.286	-9.276	-3.912E-14
50	0.	SLU-CALOTTA	Min	-912.698	-23.974	-3.912E-14
50	0.24678	SLU-CALOTTA	Min	-909.492	-16.625	-3.912E-14
50	0.49356	SLU-CALOTTA	Min	-906.286	-9.276	-3.912E-14
50	0.	SLV-CALOTTA	Max	-949.909	100.547	-3.556E-14
50	0.24678	SLV-CALOTTA	Max	-953.509	109.722	-3.556E-14
50	0.49356	SLV-CALOTTA	Max	-957.11	118.897	-3.556E-14
50	0.	SLV-CALOTTA	Min	-949.909	100.547	-3.556E-14
50	0.24678	SLV-CALOTTA	Min	-953.509	109.722	-3.556E-14
50	0.49356	SLV-CALOTTA	Min	-957.11	118.897	-3.556E-14
51	0.	SLE-DRENO	Max	-675.001	-48.481	-5.947E-14
51	0.24678	SLE-DRENO	Max	-672.119	-43.028	-5.947E-14
51	0.49356	SLE-DRENO	Max	-669.237	-37.575	-5.947E-14
51	0.	SLE-DRENO	Min	-675.001	-48.481	-5.947E-14
51	0.24678	SLE-DRENO	Min	-672.119	-43.028	-5.947E-14
51	0.49356	SLE-DRENO	Min	-669.237	-37.575	-5.947E-14
51	0.	SLU-DRENO	Max	-877.45	-63.03	-7.945E-14
51	0.24678	SLU-DRENO	Max	-873.703	-55.941	-7.945E-14
51	0.49356	SLU-DRENO	Max	-869.957	-48.853	-7.945E-14
51	0.	SLU-DRENO	Min	-877.45	-63.03	-7.945E-14
51	0.24678	SLU-DRENO	Min	-873.703	-55.941	-7.945E-14
51	0.49356	SLU-DRENO	Min	-869.957	-48.853	-7.945E-14
51	0.	SLV-DRENO	Max	-873.275	77.333	-8.801E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
51	0.24678	SLV-DRENO	Max	-876.181	86.752	-8.801E-14
51	0.49356	SLV-DRENO	Max	-879.086	96.17	-8.801E-14
51	0.	SLV-DRENO	Min	-873.275	77.333	-8.801E-14
51	0.24678	SLV-DRENO	Min	-876.181	86.752	-8.801E-14
51	0.49356	SLV-DRENO	Min	-879.086	96.17	-8.801E-14
51	0.	SLE-CALOTTA	Max	-717.862	-29.611	-3.023E-14
51	0.24678	SLE-CALOTTA	Max	-714.98	-24.158	-3.023E-14
51	0.49356	SLE-CALOTTA	Max	-712.098	-18.705	-3.023E-14
51	0.	SLE-CALOTTA	Min	-717.862	-29.611	-3.023E-14
51	0.24678	SLE-CALOTTA	Min	-714.98	-24.158	-3.023E-14
51	0.49356	SLE-CALOTTA	Min	-712.098	-18.705	-3.023E-14
51	0.	SLU-CALOTTA	Max	-933.182	-38.505	-4.401E-14
51	0.24678	SLU-CALOTTA	Max	-929.436	-31.416	-4.401E-14
51	0.49356	SLU-CALOTTA	Max	-925.689	-24.327	-4.401E-14
51	0.	SLU-CALOTTA	Min	-933.182	-38.505	-4.401E-14
51	0.24678	SLU-CALOTTA	Min	-929.436	-31.416	-4.401E-14
51	0.49356	SLU-CALOTTA	Min	-925.689	-24.327	-4.401E-14
51	0.	SLV-CALOTTA	Max	-948.62	101.633	-4.267E-14
51	0.24678	SLV-CALOTTA	Max	-951.525	111.052	-4.267E-14
51	0.49356	SLV-CALOTTA	Max	-954.43	120.47	-4.267E-14
51	0.	SLV-CALOTTA	Min	-948.62	101.633	-4.267E-14
51	0.24678	SLV-CALOTTA	Min	-951.525	111.052	-4.267E-14
51	0.49356	SLV-CALOTTA	Min	-954.43	120.47	-4.267E-14
52	0.	SLE-DRENO	Max	-693.786	-75.062	-5.836E-14
52	0.22535	SLE-DRENO	Max	-690.9	-70.225	-5.836E-14
52	0.45069	SLE-DRENO	Max	-688.015	-65.389	-5.836E-14
52	0.	SLE-DRENO	Min	-693.786	-75.062	-5.836E-14
52	0.22535	SLE-DRENO	Min	-690.9	-70.225	-5.836E-14
52	0.45069	SLE-DRENO	Min	-688.015	-65.389	-5.836E-14
52	0.	SLU-DRENO	Max	-901.87	-97.585	-7.938E-14
52	0.22535	SLU-DRENO	Max	-898.12	-91.297	-7.938E-14
52	0.45069	SLU-DRENO	Max	-894.369	-85.009	-7.938E-14
52	0.	SLU-DRENO	Min	-901.87	-97.585	-7.938E-14
52	0.22535	SLU-DRENO	Min	-898.12	-91.297	-7.938E-14
52	0.45069	SLU-DRENO	Min	-894.369	-85.009	-7.938E-14
52	0.	SLV-DRENO	Max	-881.094	48.983	-8.893E-14
52	0.22535	SLV-DRENO	Max	-883.3	57.708	-8.893E-14
52	0.45069	SLV-DRENO	Max	-885.505	66.434	-8.893E-14
52	0.	SLV-DRENO	Min	-881.094	48.983	-8.893E-14
52	0.22535	SLV-DRENO	Min	-883.3	57.708	-8.893E-14
52	0.45069	SLV-DRENO	Min	-885.505	66.434	-8.893E-14
52	0.	SLE-CALOTTA	Max	-734.904	-54.431	-3.201E-14
52	0.22535	SLE-CALOTTA	Max	-732.019	-49.594	-3.201E-14
52	0.45069	SLE-CALOTTA	Max	-729.133	-44.757	-3.201E-14
52	0.	SLE-CALOTTA	Min	-734.904	-54.431	-3.201E-14
52	0.22535	SLE-CALOTTA	Min	-732.019	-49.594	-3.201E-14
52	0.45069	SLE-CALOTTA	Min	-729.133	-44.757	-3.201E-14
52	0.	SLU-CALOTTA	Max	-955.336	-70.77	-4.534E-14
52	0.22535	SLU-CALOTTA	Max	-951.586	-64.482	-4.534E-14
52	0.45069	SLU-CALOTTA	Max	-947.835	-58.194	-4.534E-14
52	0.	SLU-CALOTTA	Min	-955.336	-70.77	-4.534E-14
52	0.22535	SLU-CALOTTA	Min	-951.586	-64.482	-4.534E-14
52	0.45069	SLU-CALOTTA	Min	-947.835	-58.194	-4.534E-14
52	0.	SLV-CALOTTA	Max	-949.864	83.602	-4.163E-17
52	0.22535	SLV-CALOTTA	Max	-952.07	92.328	-4.163E-17
52	0.45069	SLV-CALOTTA	Max	-954.275	101.054	-4.163E-17
52	0.	SLV-CALOTTA	Min	-949.864	83.602	-4.163E-17
52	0.22535	SLV-CALOTTA	Min	-952.07	92.328	-4.163E-17
52	0.45069	SLV-CALOTTA	Min	-954.275	101.054	-4.163E-17

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
53	0.	SLE-DRENO	Max	-713.051	-116.259	-6.056E-14
53	0.22535	SLE-DRENO	Max	-709.969	-111.411	-6.056E-14
53	0.45069	SLE-DRENO	Max	-706.887	-106.563	-6.056E-14
53	0.	SLE-DRENO	Min	-713.051	-116.259	-6.056E-14
53	0.22535	SLE-DRENO	Min	-709.969	-111.411	-6.056E-14
53	0.45069	SLE-DRENO	Min	-706.887	-106.563	-6.056E-14
53	0.	SLU-DRENO	Max	-926.915	-151.137	-7.215E-14
53	0.22535	SLU-DRENO	Max	-922.909	-144.835	-7.215E-14
53	0.45069	SLU-DRENO	Max	-918.902	-138.533	-7.215E-14
53	0.	SLU-DRENO	Min	-926.915	-151.137	-7.215E-14
53	0.22535	SLU-DRENO	Min	-922.909	-144.835	-7.215E-14
53	0.45069	SLU-DRENO	Min	-918.902	-138.533	-7.215E-14
53	0.	SLV-DRENO	Max	-892.337	0.895	-7.823E-14
53	0.22535	SLV-DRENO	Max	-894.332	9.855	-7.823E-14
53	0.45069	SLV-DRENO	Max	-896.328	18.816	-7.823E-14
53	0.	SLV-DRENO	Min	-892.337	0.895	-7.823E-14
53	0.22535	SLV-DRENO	Min	-894.332	9.855	-7.823E-14
53	0.45069	SLV-DRENO	Min	-896.328	18.816	-7.823E-14
53	0.	SLE-CALOTTA	Max	-752.661	-95.041	-2.134E-14
53	0.22535	SLE-CALOTTA	Max	-749.579	-90.193	-2.134E-14
53	0.45069	SLE-CALOTTA	Max	-746.497	-85.345	-2.134E-14
53	0.	SLE-CALOTTA	Min	-752.661	-95.041	-2.134E-14
53	0.22535	SLE-CALOTTA	Min	-749.579	-90.193	-2.134E-14
53	0.45069	SLE-CALOTTA	Min	-746.497	-85.345	-2.134E-14
53	0.	SLU-CALOTTA	Max	-978.421	-123.561	-4.267E-14
53	0.22535	SLU-CALOTTA	Max	-974.414	-117.259	-4.267E-14
53	0.45069	SLU-CALOTTA	Max	-970.408	-110.957	-4.267E-14
53	0.	SLU-CALOTTA	Min	-978.421	-123.561	-4.267E-14
53	0.22535	SLU-CALOTTA	Min	-974.414	-117.259	-4.267E-14
53	0.45069	SLU-CALOTTA	Min	-970.408	-110.957	-4.267E-14
53	0.	SLV-CALOTTA	Max	-953.631	44.804	-5.689E-14
53	0.22535	SLV-CALOTTA	Max	-955.627	53.765	-5.689E-14
53	0.45069	SLV-CALOTTA	Max	-957.622	62.726	-5.689E-14
53	0.	SLV-CALOTTA	Min	-953.631	44.804	-5.689E-14
53	0.22535	SLV-CALOTTA	Min	-955.627	53.765	-5.689E-14
53	0.45069	SLV-CALOTTA	Min	-957.622	62.726	-5.689E-14
54	0.	SLE-DRENO	Max	-734.85	-158.969	-7.032E-14
54	0.22535	SLE-DRENO	Max	-731.505	-154.024	-7.032E-14
54	0.45069	SLE-DRENO	Max	-728.16	-149.08	-7.032E-14
54	0.	SLE-DRENO	Min	-734.85	-158.969	-7.032E-14
54	0.22535	SLE-DRENO	Min	-731.505	-154.024	-7.032E-14
54	0.45069	SLE-DRENO	Min	-728.16	-149.08	-7.032E-14
54	0.	SLU-DRENO	Max	-955.254	-206.659	-7.235E-14
54	0.22535	SLU-DRENO	Max	-950.905	-200.23	-7.235E-14
54	0.45069	SLU-DRENO	Max	-946.557	-193.802	-7.235E-14
54	0.	SLU-DRENO	Min	-955.254	-206.659	-7.235E-14
54	0.22535	SLU-DRENO	Min	-950.905	-200.23	-7.235E-14
54	0.45069	SLU-DRENO	Min	-946.557	-193.802	-7.235E-14
54	0.	SLV-DRENO	Max	-906.114	-49.73	-7.824E-14
54	0.22535	SLV-DRENO	Max	-907.922	-40.362	-7.824E-14
54	0.45069	SLV-DRENO	Max	-909.73	-30.995	-7.824E-14
54	0.	SLV-DRENO	Min	-906.114	-49.73	-7.824E-14
54	0.22535	SLV-DRENO	Min	-907.922	-40.362	-7.824E-14
54	0.45069	SLV-DRENO	Min	-909.73	-30.995	-7.824E-14
54	0.	SLE-CALOTTA	Max	-772.71	-137.398	-2.845E-14
54	0.22535	SLE-CALOTTA	Max	-769.365	-132.453	-2.845E-14
54	0.45069	SLE-CALOTTA	Max	-766.02	-127.508	-2.845E-14
54	0.	SLE-CALOTTA	Min	-772.71	-137.398	-2.845E-14
54	0.22535	SLE-CALOTTA	Min	-769.365	-132.453	-2.845E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
54	0.45069	SLE-CALOTTA	Min	-766.02	-127.508	-2.845E-14
54	0.	SLU-CALOTTA	Max	-1004.485	-178.623	-3.912E-14
54	0.22535	SLU-CALOTTA	Max	-1000.137	-172.195	-3.912E-14
54	0.45069	SLU-CALOTTA	Max	-995.789	-165.767	-3.912E-14
54	0.	SLU-CALOTTA	Min	-1004.485	-178.623	-3.912E-14
54	0.22535	SLU-CALOTTA	Min	-1000.137	-172.195	-3.912E-14
54	0.45069	SLU-CALOTTA	Min	-995.789	-165.767	-3.912E-14
54	0.	SLV-CALOTTA	Max	-958.067	4.398	-1.137E-13
54	0.22535	SLV-CALOTTA	Max	-959.875	13.765	-1.137E-13
54	0.45069	SLV-CALOTTA	Max	-961.683	23.132	-1.137E-13
54	0.	SLV-CALOTTA	Min	-958.067	4.398	-1.137E-13
54	0.22535	SLV-CALOTTA	Min	-959.875	13.765	-1.137E-13
54	0.45069	SLV-CALOTTA	Min	-961.683	23.132	-1.137E-13
55	0.	SLE-DRENO	Max	-759.575	-203.556	-4.103E-14
55	0.22535	SLE-DRENO	Max	-755.795	-198.297	-4.103E-14
55	0.45069	SLE-DRENO	Max	-752.015	-193.038	-4.103E-14
55	0.	SLE-DRENO	Min	-759.575	-203.556	-4.103E-14
55	0.22535	SLE-DRENO	Min	-755.795	-198.297	-4.103E-14
55	0.45069	SLE-DRENO	Min	-752.015	-193.038	-4.103E-14
55	0.	SLU-DRENO	Max	-987.396	-264.619	-7.933E-14
55	0.22535	SLU-DRENO	Max	-982.482	-257.782	-7.933E-14
55	0.45069	SLU-DRENO	Max	-977.568	-250.945	-7.933E-14
55	0.	SLU-DRENO	Min	-987.396	-264.619	-7.933E-14
55	0.22535	SLU-DRENO	Min	-982.482	-257.782	-7.933E-14
55	0.45069	SLU-DRENO	Min	-977.568	-250.945	-7.933E-14
55	0.	SLV-DRENO	Max	-922.783	-103.431	-7.114E-14
55	0.22535	SLV-DRENO	Max	-924.454	-93.217	-7.114E-14
55	0.45069	SLV-DRENO	Max	-926.126	-83.003	-7.114E-14
55	0.	SLV-DRENO	Min	-922.783	-103.431	-7.114E-14
55	0.22535	SLV-DRENO	Min	-924.454	-93.217	-7.114E-14
55	0.45069	SLV-DRENO	Min	-926.126	-83.003	-7.114E-14
55	0.	SLE-CALOTTA	Max	-795.436	-181.901	1.418E-14
55	0.22535	SLE-CALOTTA	Max	-791.656	-176.642	1.418E-14
55	0.45069	SLE-CALOTTA	Max	-787.876	-171.383	1.418E-14
55	0.	SLE-CALOTTA	Min	-795.436	-181.901	1.418E-14
55	0.22535	SLE-CALOTTA	Min	-791.656	-176.642	1.418E-14
55	0.45069	SLE-CALOTTA	Min	-787.876	-171.383	1.418E-14
55	0.	SLU-CALOTTA	Max	-1034.029	-236.476	-3.557E-14
55	0.22535	SLU-CALOTTA	Max	-1029.115	-229.639	-3.557E-14
55	0.45069	SLU-CALOTTA	Max	-1024.201	-222.802	-3.557E-14
55	0.	SLU-CALOTTA	Min	-1034.029	-236.476	-3.557E-14
55	0.22535	SLU-CALOTTA	Min	-1029.115	-229.639	-3.557E-14
55	0.45069	SLU-CALOTTA	Min	-1024.201	-222.802	-3.557E-14
55	0.	SLV-CALOTTA	Max	-963.396	-38.321	-2.776E-17
55	0.22535	SLV-CALOTTA	Max	-965.067	-28.107	-2.776E-17
55	0.45069	SLV-CALOTTA	Max	-966.739	-17.892	-2.776E-17
55	0.	SLV-CALOTTA	Min	-963.396	-38.321	-2.776E-17
55	0.22535	SLV-CALOTTA	Min	-965.067	-28.107	-2.776E-17
55	0.45069	SLV-CALOTTA	Min	-966.739	-17.892	-2.776E-17
56	0.	SLE-DRENO	Max	-787.457	-250.067	-4.277E-14
56	0.22535	SLE-DRENO	Max	-783.153	-244.425	-4.277E-14
56	0.45069	SLE-DRENO	Max	-778.849	-238.782	-4.277E-14
56	0.	SLE-DRENO	Min	-787.457	-250.067	-4.277E-14
56	0.22535	SLE-DRENO	Min	-783.153	-244.425	-4.277E-14
56	0.45069	SLE-DRENO	Min	-778.849	-238.782	-4.277E-14
56	0.	SLU-DRENO	Max	-1023.642	-325.08	-4.360E-14
56	0.22535	SLU-DRENO	Max	-1018.047	-317.746	-4.360E-14
56	0.45069	SLU-DRENO	Max	-1012.452	-310.411	-4.360E-14
56	0.	SLU-DRENO	Min	-1023.642	-325.08	-4.360E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
56	0.22535	SLU-DRENO	Min	-1018.047	-317.746	-4.360E-14
56	0.45069	SLU-DRENO	Min	-1012.452	-310.411	-4.360E-14
56	0.	SLV-DRENO	Max	-942.596	-160.355	-5.690E-14
56	0.22535	SLV-DRENO	Max	-944.108	-149.116	-5.690E-14
56	0.45069	SLV-DRENO	Max	-945.621	-137.877	-5.690E-14
56	0.	SLV-DRENO	Min	-942.596	-160.355	-5.690E-14
56	0.22535	SLV-DRENO	Min	-944.108	-149.116	-5.690E-14
56	0.45069	SLV-DRENO	Min	-945.621	-137.877	-5.690E-14
56	0.	SLE-CALOTTA	Max	-821.063	-228.639	-5.686E-14
56	0.22535	SLE-CALOTTA	Max	-816.759	-222.997	-5.686E-14
56	0.45069	SLE-CALOTTA	Max	-812.455	-217.355	-5.686E-14
56	0.	SLE-CALOTTA	Min	-821.063	-228.639	-5.686E-14
56	0.22535	SLE-CALOTTA	Min	-816.759	-222.997	-5.686E-14
56	0.45069	SLE-CALOTTA	Min	-812.455	-217.355	-5.686E-14
56	0.	SLU-CALOTTA	Max	-1067.344	-297.234	-2.845E-14
56	0.22535	SLU-CALOTTA	Max	-1061.749	-289.899	-2.845E-14
56	0.45069	SLU-CALOTTA	Max	-1056.154	-282.564	-2.845E-14
56	0.	SLU-CALOTTA	Min	-1067.344	-297.234	-2.845E-14
56	0.22535	SLU-CALOTTA	Min	-1061.749	-289.899	-2.845E-14
56	0.45069	SLU-CALOTTA	Min	-1056.154	-282.564	-2.845E-14
56	0.	SLV-CALOTTA	Max	-969.755	-83.68	-1.137E-13
56	0.22535	SLV-CALOTTA	Max	-971.268	-72.441	-1.137E-13
56	0.45069	SLV-CALOTTA	Max	-972.78	-61.202	-1.137E-13
56	0.	SLV-CALOTTA	Min	-969.755	-83.68	-1.137E-13
56	0.22535	SLV-CALOTTA	Min	-971.268	-72.441	-1.137E-13
56	0.45069	SLV-CALOTTA	Min	-972.78	-61.202	-1.137E-13
57	0.	SLE-DRENO	Max	-818.805	-298.611	2.488E-14
57	0.22535	SLE-DRENO	Max	-813.846	-292.481	2.488E-14
57	0.45069	SLE-DRENO	Max	-808.888	-286.35	2.488E-14
57	0.	SLE-DRENO	Min	-818.805	-298.611	2.488E-14
57	0.22535	SLE-DRENO	Min	-813.846	-292.481	2.488E-14
57	0.45069	SLE-DRENO	Min	-808.888	-286.35	2.488E-14
57	0.	SLU-DRENO	Max	-1064.395	-388.186	-1.428E-14
57	0.22535	SLU-DRENO	Max	-1057.949	-380.216	-1.428E-14
57	0.45069	SLU-DRENO	Max	-1051.503	-372.247	-1.428E-14
57	0.	SLU-DRENO	Min	-1064.395	-388.186	-1.428E-14
57	0.22535	SLU-DRENO	Min	-1057.949	-380.216	-1.428E-14
57	0.45069	SLU-DRENO	Min	-1051.503	-372.247	-1.428E-14
57	0.	SLV-DRENO	Max	-965.884	-220.742	-2.848E-14
57	0.22535	SLV-DRENO	Max	-967.209	-208.211	-2.848E-14
57	0.45069	SLV-DRENO	Max	-968.533	-195.681	-2.848E-14
57	0.	SLV-DRENO	Min	-965.884	-220.742	-2.848E-14
57	0.22535	SLV-DRENO	Min	-967.209	-208.211	-2.848E-14
57	0.45069	SLV-DRENO	Min	-968.533	-195.681	-2.848E-14
57	0.	SLE-CALOTTA	Max	-849.899	-277.764	-1.388E-17
57	0.22535	SLE-CALOTTA	Max	-844.94	-271.634	-1.388E-17
57	0.45069	SLE-CALOTTA	Max	-839.982	-265.503	-1.388E-17
57	0.	SLE-CALOTTA	Min	-849.899	-277.764	-1.388E-17
57	0.22535	SLE-CALOTTA	Min	-844.94	-271.634	-1.388E-17
57	0.45069	SLE-CALOTTA	Min	-839.982	-265.503	-1.388E-17
57	0.	SLU-CALOTTA	Max	-1104.831	-361.095	0.
57	0.22535	SLU-CALOTTA	Max	-1098.385	-353.125	0.
57	0.45069	SLU-CALOTTA	Max	-1091.939	-345.156	0.
57	0.	SLU-CALOTTA	Min	-1104.831	-361.095	0.
57	0.22535	SLU-CALOTTA	Min	-1098.385	-353.125	0.
57	0.45069	SLU-CALOTTA	Min	-1091.939	-345.156	0.
57	0.	SLV-CALOTTA	Max	-977.38	-132.119	-1.137E-13
57	0.22535	SLV-CALOTTA	Max	-978.704	-119.589	-1.137E-13
57	0.45069	SLV-CALOTTA	Max	-980.028	-107.058	-1.137E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
57	0.	SLV-CALOTTA	Min	-977.38	-132.119	-1.137E-13
57	0.22535	SLV-CALOTTA	Min	-978.704	-119.589	-1.137E-13
57	0.45069	SLV-CALOTTA	Min	-980.028	-107.058	-1.137E-13
58	0.	SLE-DRENO	Max	-854.018	-349.352	-2.116E-14
58	0.22535	SLE-DRENO	Max	-848.228	-342.596	-2.116E-14
58	0.45069	SLE-DRENO	Max	-842.437	-335.839	-2.116E-14
58	0.	SLE-DRENO	Min	-854.018	-349.352	-2.116E-14
58	0.22535	SLE-DRENO	Min	-848.228	-342.596	-2.116E-14
58	0.45069	SLE-DRENO	Min	-842.437	-335.839	-2.116E-14
58	0.	SLU-DRENO	Max	-1110.172	-454.147	8.613E-14
58	0.22535	SLU-DRENO	Max	-1102.644	-445.363	8.613E-14
58	0.45069	SLU-DRENO	Max	-1095.117	-436.579	8.613E-14
58	0.	SLU-DRENO	Min	-1110.172	-454.147	8.613E-14
58	0.22535	SLU-DRENO	Min	-1102.644	-445.363	8.613E-14
58	0.45069	SLU-DRENO	Min	-1095.117	-436.579	8.613E-14
58	0.	SLV-DRENO	Max	-993.068	-284.913	8.538E-14
58	0.22535	SLV-DRENO	Max	-994.16	-270.735	8.538E-14
58	0.45069	SLV-DRENO	Max	-995.251	-256.557	8.538E-14
58	0.	SLV-DRENO	Min	-993.068	-284.913	8.538E-14
58	0.22535	SLV-DRENO	Min	-994.16	-270.735	8.538E-14
58	0.45069	SLV-DRENO	Min	-995.251	-256.557	8.538E-14
58	0.	SLE-CALOTTA	Max	-882.343	-329.483	5.686E-14
58	0.22535	SLE-CALOTTA	Max	-876.553	-322.726	5.686E-14
58	0.45069	SLE-CALOTTA	Max	-870.762	-315.969	5.686E-14
58	0.	SLE-CALOTTA	Min	-882.343	-329.483	5.686E-14
58	0.22535	SLE-CALOTTA	Min	-876.553	-322.726	5.686E-14
58	0.45069	SLE-CALOTTA	Min	-870.762	-315.969	5.686E-14
58	0.	SLU-CALOTTA	Max	-1147.009	-428.328	2.848E-14
58	0.22535	SLU-CALOTTA	Max	-1139.481	-419.544	2.848E-14
58	0.45069	SLU-CALOTTA	Max	-1131.953	-410.76	2.848E-14
58	0.	SLU-CALOTTA	Min	-1147.009	-428.328	2.848E-14
58	0.22535	SLU-CALOTTA	Min	-1139.481	-419.544	2.848E-14
58	0.45069	SLU-CALOTTA	Min	-1131.953	-410.76	2.848E-14
58	0.	SLV-CALOTTA	Max	-986.615	-184.18	1.137E-13
58	0.22535	SLV-CALOTTA	Max	-987.706	-170.002	1.137E-13
58	0.45069	SLV-CALOTTA	Max	-988.798	-155.823	1.137E-13
58	0.	SLV-CALOTTA	Min	-986.615	-184.18	1.137E-13
58	0.22535	SLV-CALOTTA	Min	-987.706	-170.002	1.137E-13
58	0.45069	SLV-CALOTTA	Min	-988.798	-155.823	1.137E-13
59	0.	SLE-DRENO	Max	-893.446	-402.326	1.210E-13
59	0.22535	SLE-DRENO	Max	-886.67	-394.861	1.210E-13
59	0.45069	SLE-DRENO	Max	-879.895	-387.396	1.210E-13
59	0.	SLE-DRENO	Min	-893.446	-402.326	1.210E-13
59	0.22535	SLE-DRENO	Min	-886.67	-394.861	1.210E-13
59	0.45069	SLE-DRENO	Min	-879.895	-387.396	1.210E-13
59	0.	SLU-DRENO	Max	-1161.427	-523.01	1.150E-13
59	0.22535	SLU-DRENO	Max	-1152.619	-513.306	1.150E-13
59	0.45069	SLU-DRENO	Max	-1143.811	-503.601	1.150E-13
59	0.	SLU-DRENO	Min	-1161.427	-523.01	1.150E-13
59	0.22535	SLU-DRENO	Min	-1152.619	-513.306	1.150E-13
59	0.45069	SLU-DRENO	Min	-1143.811	-503.601	1.150E-13
59	0.	SLV-DRENO	Max	-1024.545	-353.039	8.538E-14
59	0.22535	SLV-DRENO	Max	-1025.324	-336.947	8.538E-14
59	0.45069	SLV-DRENO	Max	-1026.103	-320.856	8.538E-14
59	0.	SLV-DRENO	Min	-1024.545	-353.039	8.538E-14
59	0.22535	SLV-DRENO	Min	-1025.324	-336.947	8.538E-14
59	0.45069	SLV-DRENO	Min	-1026.103	-320.856	8.538E-14
59	0.	SLE-CALOTTA	Max	-918.75	-383.877	5.684E-14
59	0.22535	SLE-CALOTTA	Max	-911.974	-376.412	5.684E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
59	0.45069	SLE-CALOTTA	Max	-905.199	-368.947	5.684E-14
59	0.	SLE-CALOTTA	Min	-918.75	-383.877	5.684E-14
59	0.22535	SLE-CALOTTA	Min	-911.974	-376.412	5.684E-14
59	0.45069	SLE-CALOTTA	Min	-905.199	-368.947	5.684E-14
59	0.	SLU-CALOTTA	Max	-1194.337	-499.038	5.684E-14
59	0.22535	SLU-CALOTTA	Max	-1185.529	-489.334	5.684E-14
59	0.45069	SLU-CALOTTA	Max	-1176.721	-479.629	5.684E-14
59	0.	SLU-CALOTTA	Min	-1194.337	-499.038	5.684E-14
59	0.22535	SLU-CALOTTA	Min	-1185.529	-489.334	5.684E-14
59	0.45069	SLU-CALOTTA	Min	-1176.721	-479.629	5.684E-14
59	0.	SLV-CALOTTA	Max	-997.806	-240.262	5.551E-17
59	0.22535	SLV-CALOTTA	Max	-998.585	-224.171	5.551E-17
59	0.45069	SLV-CALOTTA	Max	-999.364	-208.079	5.551E-17
59	0.	SLV-CALOTTA	Min	-997.806	-240.262	5.551E-17
59	0.22535	SLV-CALOTTA	Min	-998.585	-224.171	5.551E-17
59	0.45069	SLV-CALOTTA	Min	-999.364	-208.079	5.551E-17
60	0.	SLE-DRENO	Max	-1009.432	141.545	6.406E-14
60	0.22535	SLE-DRENO	Max	-999.579	143.68	6.406E-14
60	0.45069	SLE-DRENO	Max	-989.727	145.815	6.406E-14
60	0.	SLE-DRENO	Min	-1009.432	141.545	6.406E-14
60	0.22535	SLE-DRENO	Min	-999.579	143.68	6.406E-14
60	0.45069	SLE-DRENO	Min	-989.727	145.815	6.406E-14
60	0.	SLU-DRENO	Max	-1312.21	183.994	8.651E-14
60	0.22535	SLU-DRENO	Max	-1299.402	186.77	8.651E-14
60	0.45069	SLU-DRENO	Max	-1286.594	189.546	8.651E-14
60	0.	SLU-DRENO	Min	-1312.21	183.994	8.651E-14
60	0.22535	SLU-DRENO	Min	-1299.402	186.77	8.651E-14
60	0.45069	SLU-DRENO	Min	-1286.594	189.546	8.651E-14
60	0.	SLV-DRENO	Max	-1090.381	235.687	5.684E-14
60	0.22535	SLV-DRENO	Max	-1081.66	249.234	5.684E-14
60	0.45069	SLV-DRENO	Max	-1072.939	262.78	5.684E-14
60	0.	SLV-DRENO	Min	-1090.381	235.687	5.684E-14
60	0.22535	SLV-DRENO	Min	-1081.66	249.234	5.684E-14
60	0.45069	SLV-DRENO	Min	-1072.939	262.78	5.684E-14
60	0.	SLE-CALOTTA	Max	-1018.327	166.796	5.551E-17
60	0.22535	SLE-CALOTTA	Max	-1008.474	168.932	5.551E-17
60	0.45069	SLE-CALOTTA	Max	-998.622	171.067	5.551E-17
60	0.	SLE-CALOTTA	Min	-1018.327	166.796	5.551E-17
60	0.22535	SLE-CALOTTA	Min	-1008.474	168.932	5.551E-17
60	0.45069	SLE-CALOTTA	Min	-998.622	171.067	5.551E-17
60	0.	SLU-CALOTTA	Max	-1323.793	216.819	2.845E-14
60	0.22535	SLU-CALOTTA	Max	-1310.985	219.594	2.845E-14
60	0.45069	SLU-CALOTTA	Max	-1298.176	222.37	2.845E-14
60	0.	SLU-CALOTTA	Min	-1323.793	216.819	2.845E-14
60	0.22535	SLU-CALOTTA	Min	-1310.985	219.594	2.845E-14
60	0.45069	SLU-CALOTTA	Min	-1298.176	222.37	2.845E-14
60	0.	SLV-CALOTTA	Max	-987.358	308.704	1.137E-13
60	0.22535	SLV-CALOTTA	Max	-978.637	322.25	1.137E-13
60	0.45069	SLV-CALOTTA	Max	-969.917	335.796	1.137E-13
60	0.	SLV-CALOTTA	Min	-987.358	308.704	1.137E-13
60	0.22535	SLV-CALOTTA	Min	-978.637	322.25	1.137E-13
60	0.45069	SLV-CALOTTA	Min	-969.917	335.796	1.137E-13
61	0.	SLE-DRENO	Max	-1029.829	115.964	6.412E-14
61	0.22535	SLE-DRENO	Max	-1021.083	117.601	6.412E-14
61	0.45069	SLE-DRENO	Max	-1012.336	119.237	6.412E-14
61	0.	SLE-DRENO	Min	-1029.829	115.964	6.412E-14
61	0.22535	SLE-DRENO	Min	-1021.083	117.601	6.412E-14
61	0.45069	SLE-DRENO	Min	-1012.336	119.237	6.412E-14
61	0.	SLU-DRENO	Max	-1338.727	150.745	2.845E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
61	0.22535	SLU-DRENO	Max	-1327.357	152.872	2.845E-14
61	0.45069	SLU-DRENO	Max	-1315.986	154.999	2.845E-14
61	0.	SLU-DRENO	Min	-1338.727	150.745	2.845E-14
61	0.22535	SLU-DRENO	Min	-1327.357	152.872	2.845E-14
61	0.45069	SLU-DRENO	Min	-1315.986	154.999	2.845E-14
61	0.	SLV-DRENO	Max	-1107.966	187.539	5.673E-14
61	0.22535	SLV-DRENO	Max	-1099.932	199.272	5.673E-14
61	0.45069	SLV-DRENO	Max	-1091.897	211.005	5.673E-14
61	0.	SLV-DRENO	Min	-1107.966	187.539	5.673E-14
61	0.22535	SLV-DRENO	Min	-1099.932	199.272	5.673E-14
61	0.45069	SLV-DRENO	Min	-1091.897	211.005	5.673E-14
61	0.	SLE-CALOTTA	Max	-1036.857	135.338	5.690E-14
61	0.22535	SLE-CALOTTA	Max	-1028.11	136.974	5.690E-14
61	0.45069	SLE-CALOTTA	Max	-1019.364	138.611	5.690E-14
61	0.	SLE-CALOTTA	Min	-1036.857	135.338	5.690E-14
61	0.22535	SLE-CALOTTA	Min	-1028.11	136.974	5.690E-14
61	0.45069	SLE-CALOTTA	Min	-1019.364	138.611	5.690E-14
61	0.	SLU-CALOTTA	Max	-1347.883	175.927	5.551E-17
61	0.22535	SLU-CALOTTA	Max	-1336.512	178.055	5.551E-17
61	0.45069	SLU-CALOTTA	Max	-1325.141	180.182	5.551E-17
61	0.	SLU-CALOTTA	Min	-1347.883	175.927	5.551E-17
61	0.22535	SLU-CALOTTA	Min	-1336.512	178.055	5.551E-17
61	0.45069	SLU-CALOTTA	Min	-1325.141	180.182	5.551E-17
61	0.	SLV-CALOTTA	Max	-994.428	250.239	1.110E-16
61	0.22535	SLV-CALOTTA	Max	-986.393	261.972	1.110E-16
61	0.45069	SLV-CALOTTA	Max	-978.359	273.705	1.110E-16
61	0.	SLV-CALOTTA	Min	-994.428	250.239	1.110E-16
61	0.22535	SLV-CALOTTA	Min	-986.393	261.972	1.110E-16
61	0.45069	SLV-CALOTTA	Min	-978.359	273.705	1.110E-16
62	0.	SLE-DRENO	Max	-1048.444	89.573	7.824E-14
62	0.22535	SLE-DRENO	Max	-1040.656	90.802	7.824E-14
62	0.45069	SLE-DRENO	Max	-1032.867	92.031	7.824E-14
62	0.	SLE-DRENO	Min	-1048.444	89.573	7.824E-14
62	0.22535	SLE-DRENO	Min	-1040.656	90.802	7.824E-14
62	0.45069	SLE-DRENO	Min	-1032.867	92.031	7.824E-14
62	0.	SLU-DRENO	Max	-1362.927	116.442	8.638E-14
62	0.22535	SLU-DRENO	Max	-1352.802	118.039	8.638E-14
62	0.45069	SLU-DRENO	Max	-1342.677	119.637	8.638E-14
62	0.	SLU-DRENO	Min	-1362.927	116.442	8.638E-14
62	0.22535	SLU-DRENO	Min	-1352.802	118.039	8.638E-14
62	0.45069	SLU-DRENO	Min	-1342.677	119.637	8.638E-14
62	0.	SLV-DRENO	Max	-1124.555	137.985	5.684E-14
62	0.22535	SLV-DRENO	Max	-1117.142	148.175	5.684E-14
62	0.45069	SLV-DRENO	Max	-1109.73	158.365	5.684E-14
62	0.	SLV-DRENO	Min	-1124.555	137.985	5.684E-14
62	0.22535	SLV-DRENO	Min	-1117.142	148.175	5.684E-14
62	0.45069	SLV-DRENO	Min	-1109.73	158.365	5.684E-14
62	0.	SLE-CALOTTA	Max	-1053.817	102.165	1.137E-13
62	0.22535	SLE-CALOTTA	Max	-1046.029	103.394	1.137E-13
62	0.45069	SLE-CALOTTA	Max	-1038.241	104.623	1.137E-13
62	0.	SLE-CALOTTA	Min	-1053.817	102.165	1.137E-13
62	0.22535	SLE-CALOTTA	Min	-1046.029	103.394	1.137E-13
62	0.45069	SLE-CALOTTA	Min	-1038.241	104.623	1.137E-13
62	0.	SLU-CALOTTA	Max	-1369.931	132.807	2.842E-14
62	0.22535	SLU-CALOTTA	Max	-1359.806	134.405	2.842E-14
62	0.45069	SLU-CALOTTA	Max	-1349.681	136.002	2.842E-14
62	0.	SLU-CALOTTA	Min	-1369.931	132.807	2.842E-14
62	0.22535	SLU-CALOTTA	Min	-1359.806	134.405	2.842E-14
62	0.45069	SLU-CALOTTA	Min	-1349.681	136.002	2.842E-14



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
62	0.	SLV-CALOTTA	Max	-1001.046	188.64	-1.136E-13
62	0.22535	SLV-CALOTTA	Max	-993.634	198.83	-1.136E-13
62	0.45069	SLV-CALOTTA	Max	-986.221	209.019	-1.136E-13
62	0.	SLV-CALOTTA	Min	-1001.046	188.64	-1.136E-13
62	0.22535	SLV-CALOTTA	Min	-993.634	198.83	-1.136E-13
62	0.45069	SLV-CALOTTA	Min	-986.221	209.019	-1.136E-13
63	0.	SLE-DRENO	Max	-1065.605	62.131	1.209E-13
63	0.22535	SLE-DRENO	Max	-1058.566	63.037	1.209E-13
63	0.45069	SLE-DRENO	Max	-1051.528	63.943	1.209E-13
63	0.	SLE-DRENO	Min	-1065.605	62.131	1.209E-13
63	0.22535	SLE-DRENO	Min	-1058.566	63.037	1.209E-13
63	0.45069	SLE-DRENO	Min	-1051.528	63.943	1.209E-13
63	0.	SLU-DRENO	Max	-1385.235	80.771	2.892E-14
63	0.22535	SLU-DRENO	Max	-1376.086	81.949	2.892E-14
63	0.45069	SLU-DRENO	Max	-1366.936	83.127	2.892E-14
63	0.	SLU-DRENO	Min	-1385.235	80.771	2.892E-14
63	0.22535	SLU-DRENO	Min	-1376.086	81.949	2.892E-14
63	0.45069	SLU-DRENO	Min	-1366.936	83.127	2.892E-14
63	0.	SLV-DRENO	Max	-1140.533	86.688	0.
63	0.22535	SLV-DRENO	Max	-1133.604	95.665	0.
63	0.45069	SLV-DRENO	Max	-1126.675	104.642	0.
63	0.	SLV-DRENO	Min	-1140.533	86.688	0.
63	0.22535	SLV-DRENO	Min	-1133.604	95.665	0.
63	0.45069	SLV-DRENO	Min	-1126.675	104.642	0.
63	0.	SLE-CALOTTA	Max	-1069.609	67.034	-1.137E-13
63	0.22535	SLE-CALOTTA	Max	-1062.57	67.941	-1.137E-13
63	0.45069	SLE-CALOTTA	Max	-1055.532	68.847	-1.137E-13
63	0.	SLE-CALOTTA	Min	-1069.609	67.034	-1.137E-13
63	0.22535	SLE-CALOTTA	Min	-1062.57	67.941	-1.137E-13
63	0.45069	SLE-CALOTTA	Min	-1055.532	68.847	-1.137E-13
63	0.	SLU-CALOTTA	Max	-1390.46	87.142	5.693E-14
63	0.22535	SLU-CALOTTA	Max	-1381.31	88.321	5.693E-14
63	0.45069	SLU-CALOTTA	Max	-1372.161	89.499	5.693E-14
63	0.	SLU-CALOTTA	Min	-1390.46	87.142	5.693E-14
63	0.22535	SLU-CALOTTA	Min	-1381.31	88.321	5.693E-14
63	0.45069	SLU-CALOTTA	Min	-1372.161	89.499	5.693E-14
63	0.	SLV-CALOTTA	Max	-1007.975	123.554	1.137E-13
63	0.22535	SLV-CALOTTA	Max	-1001.046	132.531	1.137E-13
63	0.45069	SLV-CALOTTA	Max	-994.117	141.508	1.137E-13
63	0.	SLV-CALOTTA	Min	-1007.975	123.554	1.137E-13
63	0.22535	SLV-CALOTTA	Min	-1001.046	132.531	1.137E-13
63	0.45069	SLV-CALOTTA	Min	-994.117	141.508	1.137E-13
64	0.	SLE-DRENO	Max	-1081.545	33.443	7.133E-14
64	0.22535	SLE-DRENO	Max	-1075.101	34.087	7.133E-14
64	0.45069	SLE-DRENO	Max	-1068.656	34.731	7.133E-14
64	0.	SLE-DRENO	Min	-1081.545	33.443	7.133E-14
64	0.22535	SLE-DRENO	Min	-1075.101	34.087	7.133E-14
64	0.45069	SLE-DRENO	Min	-1068.656	34.731	7.133E-14
64	0.	SLU-DRENO	Max	-1405.958	43.481	1.147E-13
64	0.22535	SLU-DRENO	Max	-1397.58	44.318	1.147E-13
64	0.45069	SLU-DRENO	Max	-1389.202	45.155	1.147E-13
64	0.	SLU-DRENO	Min	-1405.958	43.481	1.147E-13
64	0.22535	SLU-DRENO	Min	-1397.58	44.318	1.147E-13
64	0.45069	SLU-DRENO	Min	-1389.202	45.155	1.147E-13
64	0.	SLV-DRENO	Max	-1156.197	33.394	5.707E-14
64	0.22535	SLV-DRENO	Max	-1149.642	41.404	5.707E-14
64	0.45069	SLV-DRENO	Max	-1143.088	49.414	5.707E-14
64	0.	SLV-DRENO	Min	-1156.197	33.394	5.707E-14
64	0.22535	SLV-DRENO	Min	-1149.642	41.404	5.707E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
64	0.45069	SLV-DRENO	Min	-1143.088	49.414	5.707E-14
64	0.	SLE-CALOTTA	Max	-1084.539	29.759	5.551E-17
64	0.22535	SLE-CALOTTA	Max	-1078.094	30.403	5.551E-17
64	0.45069	SLE-CALOTTA	Max	-1071.649	31.047	5.551E-17
64	0.	SLE-CALOTTA	Min	-1084.539	29.759	5.551E-17
64	0.22535	SLE-CALOTTA	Min	-1078.094	30.403	5.551E-17
64	0.45069	SLE-CALOTTA	Min	-1071.649	31.047	5.551E-17
64	0.	SLU-CALOTTA	Max	-1409.869	38.689	2.845E-14
64	0.22535	SLU-CALOTTA	Max	-1401.491	39.526	2.845E-14
64	0.45069	SLU-CALOTTA	Max	-1393.113	40.363	2.845E-14
64	0.	SLU-CALOTTA	Min	-1409.869	38.689	2.845E-14
64	0.22535	SLU-CALOTTA	Min	-1401.491	39.526	2.845E-14
64	0.45069	SLU-CALOTTA	Min	-1393.113	40.363	2.845E-14
64	0.	SLV-CALOTTA	Max	-1015.893	54.749	1.137E-13
64	0.22535	SLV-CALOTTA	Max	-1009.338	62.759	1.137E-13
64	0.45069	SLV-CALOTTA	Max	-1002.783	70.769	1.137E-13
64	0.	SLV-CALOTTA	Min	-1015.893	54.749	1.137E-13
64	0.22535	SLV-CALOTTA	Min	-1009.338	62.759	1.137E-13
64	0.45069	SLV-CALOTTA	Min	-1002.783	70.769	1.137E-13
65	0.	SLE-DRENO	Max	-1096.4	3.355	6.414E-14
65	0.22535	SLE-DRENO	Max	-1090.446	3.779	6.414E-14
65	0.45069	SLE-DRENO	Max	-1084.491	4.203	6.414E-14
65	0.	SLE-DRENO	Min	-1096.4	3.355	6.414E-14
65	0.22535	SLE-DRENO	Min	-1090.446	3.779	6.414E-14
65	0.45069	SLE-DRENO	Min	-1084.491	4.203	6.414E-14
65	0.	SLU-DRENO	Max	-1425.27	4.369	1.153E-13
65	0.22535	SLU-DRENO	Max	-1417.528	4.921	1.153E-13
65	0.45069	SLU-DRENO	Max	-1409.787	5.473	1.153E-13
65	0.	SLU-DRENO	Min	-1425.27	4.369	1.153E-13
65	0.22535	SLU-DRENO	Min	-1417.528	4.921	1.153E-13
65	0.45069	SLU-DRENO	Min	-1409.787	5.473	1.153E-13
65	0.	SLV-DRENO	Max	-1171.738	-22.077	1.705E-13
65	0.22535	SLV-DRENO	Max	-1165.489	-14.868	1.705E-13
65	0.45069	SLV-DRENO	Max	-1159.239	-7.66	1.705E-13
65	0.	SLV-DRENO	Min	-1171.738	-22.077	1.705E-13
65	0.22535	SLV-DRENO	Min	-1165.489	-14.868	1.705E-13
65	0.45069	SLV-DRENO	Min	-1159.239	-7.66	1.705E-13
65	0.	SLE-CALOTTA	Max	-1098.816	-9.806	1.138E-13
65	0.22535	SLE-CALOTTA	Max	-1092.861	-9.382	1.138E-13
65	0.45069	SLE-CALOTTA	Max	-1086.907	-8.957	1.138E-13
65	0.	SLE-CALOTTA	Min	-1098.816	-9.806	1.138E-13
65	0.22535	SLE-CALOTTA	Min	-1092.861	-9.382	1.138E-13
65	0.45069	SLE-CALOTTA	Min	-1086.907	-8.957	1.138E-13
65	0.	SLU-CALOTTA	Max	-1428.43	-12.741	5.690E-14
65	0.22535	SLU-CALOTTA	Max	-1420.688	-12.19	5.690E-14
65	0.45069	SLU-CALOTTA	Max	-1412.947	-11.638	5.690E-14
65	0.	SLU-CALOTTA	Min	-1428.43	-12.741	5.690E-14
65	0.22535	SLU-CALOTTA	Min	-1420.688	-12.19	5.690E-14
65	0.45069	SLU-CALOTTA	Min	-1412.947	-11.638	5.690E-14
65	0.	SLV-CALOTTA	Max	-1025.375	-17.892	2.275E-13
65	0.22535	SLV-CALOTTA	Max	-1019.125	-10.683	2.275E-13
65	0.45069	SLV-CALOTTA	Max	-1012.876	-3.475	2.275E-13
65	0.	SLV-CALOTTA	Min	-1025.375	-17.892	2.275E-13
65	0.22535	SLV-CALOTTA	Min	-1019.125	-10.683	2.275E-13
65	0.45069	SLV-CALOTTA	Min	-1012.876	-3.475	2.275E-13
66	0.	SLE-DRENO	Max	-1110.651	-28.29	1.441E-14
66	0.22535	SLE-DRENO	Max	-1104.912	-28.045	1.441E-14
66	0.45069	SLE-DRENO	Max	-1099.173	-27.8	1.441E-14
66	0.	SLE-DRENO	Min	-1110.651	-28.29	1.441E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
66	0.22535	SLE-DRENO	Min	-1104.912	-28.045	1.441E-14
66	0.45069	SLE-DRENO	Min	-1099.173	-27.8	1.441E-14
66	0.	SLU-DRENO	Max	-1443.796	-36.765	2.220E-16
66	0.22535	SLU-DRENO	Max	-1436.334	-36.447	2.220E-16
66	0.45069	SLU-DRENO	Max	-1428.873	-36.128	2.220E-16
66	0.	SLU-DRENO	Min	-1443.796	-36.765	2.220E-16
66	0.22535	SLU-DRENO	Min	-1436.334	-36.447	2.220E-16
66	0.45069	SLU-DRENO	Min	-1428.873	-36.128	2.220E-16
66	0.	SLV-DRENO	Max	-1187.74	-79.982	1.110E-16
66	0.22535	SLV-DRENO	Max	-1181.531	-73.219	1.110E-16
66	0.45069	SLV-DRENO	Max	-1175.323	-66.457	1.110E-16
66	0.	SLV-DRENO	Min	-1187.74	-79.982	1.110E-16
66	0.22535	SLV-DRENO	Min	-1181.531	-73.219	1.110E-16
66	0.45069	SLV-DRENO	Min	-1175.323	-66.457	1.110E-16
66	0.	SLE-CALOTTA	Max	-1112.996	-51.796	-2.776E-17
66	0.22535	SLE-CALOTTA	Max	-1107.256	-51.551	-2.776E-17
66	0.45069	SLE-CALOTTA	Max	-1101.517	-51.306	-2.776E-17
66	0.	SLE-CALOTTA	Min	-1112.996	-51.796	-2.776E-17
66	0.22535	SLE-CALOTTA	Min	-1107.256	-51.551	-2.776E-17
66	0.45069	SLE-CALOTTA	Min	-1101.517	-51.306	-2.776E-17
66	0.	SLU-CALOTTA	Max	-1446.863	-67.325	5.551E-17
66	0.22535	SLU-CALOTTA	Max	-1439.402	-67.006	5.551E-17
66	0.45069	SLU-CALOTTA	Max	-1431.94	-66.687	5.551E-17
66	0.	SLU-CALOTTA	Min	-1446.863	-67.325	5.551E-17
66	0.22535	SLU-CALOTTA	Min	-1439.402	-67.006	5.551E-17
66	0.45069	SLU-CALOTTA	Min	-1431.94	-66.687	5.551E-17
66	0.	SLV-CALOTTA	Max	-1037.391	-94.524	-1.136E-13
66	0.22535	SLV-CALOTTA	Max	-1031.182	-87.761	-1.136E-13
66	0.45069	SLV-CALOTTA	Max	-1024.974	-80.999	-1.136E-13
66	0.	SLV-CALOTTA	Min	-1037.391	-94.524	-1.136E-13
66	0.22535	SLV-CALOTTA	Min	-1031.182	-87.761	-1.136E-13
66	0.45069	SLV-CALOTTA	Min	-1024.974	-80.999	-1.136E-13
67	0.	SLE-DRENO	Max	-1124.453	-61.587	1.280E-13
67	0.22535	SLE-DRENO	Max	-1118.821	-61.506	1.280E-13
67	0.45069	SLE-DRENO	Max	-1113.19	-61.426	1.280E-13
67	0.	SLE-DRENO	Min	-1124.453	-61.587	1.280E-13
67	0.22535	SLE-DRENO	Min	-1118.821	-61.506	1.280E-13
67	0.45069	SLE-DRENO	Min	-1113.19	-61.426	1.280E-13
67	0.	SLU-DRENO	Max	-1461.737	-80.048	5.851E-14
67	0.22535	SLU-DRENO	Max	-1454.416	-79.944	5.851E-14
67	0.45069	SLU-DRENO	Max	-1447.095	-79.839	5.851E-14
67	0.	SLU-DRENO	Min	-1461.737	-80.048	5.851E-14
67	0.22535	SLU-DRENO	Min	-1454.416	-79.944	5.851E-14
67	0.45069	SLU-DRENO	Min	-1447.095	-79.839	5.851E-14
67	0.	SLV-DRENO	Max	-1204.431	-140.424	1.706E-13
67	0.22535	SLV-DRENO	Max	-1198.158	-133.97	1.706E-13
67	0.45069	SLV-DRENO	Max	-1191.885	-127.516	1.706E-13
67	0.	SLV-DRENO	Min	-1204.431	-140.424	1.706E-13
67	0.22535	SLV-DRENO	Min	-1198.158	-133.97	1.706E-13
67	0.45069	SLV-DRENO	Min	-1191.885	-127.516	1.706E-13
67	0.	SLE-CALOTTA	Max	-1127.305	-96.282	5.551E-17
67	0.22535	SLE-CALOTTA	Max	-1121.673	-96.202	5.551E-17
67	0.45069	SLE-CALOTTA	Max	-1116.042	-96.122	5.551E-17
67	0.	SLE-CALOTTA	Min	-1127.305	-96.282	5.551E-17
67	0.22535	SLE-CALOTTA	Min	-1121.673	-96.202	5.551E-17
67	0.45069	SLE-CALOTTA	Min	-1116.042	-96.122	5.551E-17
67	0.	SLU-CALOTTA	Max	-1465.464	-125.153	5.684E-14
67	0.22535	SLU-CALOTTA	Max	-1458.143	-125.049	5.684E-14
67	0.45069	SLU-CALOTTA	Max	-1450.822	-124.944	5.684E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
67	0.	SLU-CALOTTA	Min	-1465.464	-125.153	5.684E-14
67	0.22535	SLU-CALOTTA	Min	-1458.143	-125.049	5.684E-14
67	0.45069	SLU-CALOTTA	Min	-1450.822	-124.944	5.684E-14
67	0.	SLV-CALOTTA	Max	-1052.549	-175.107	1.110E-16
67	0.22535	SLV-CALOTTA	Max	-1046.276	-168.653	1.110E-16
67	0.45069	SLV-CALOTTA	Max	-1040.003	-162.199	1.110E-16
67	0.	SLV-CALOTTA	Min	-1052.549	-175.107	1.110E-16
67	0.22535	SLV-CALOTTA	Min	-1046.276	-168.653	1.110E-16
67	0.45069	SLV-CALOTTA	Min	-1040.003	-162.199	1.110E-16
68	0.	SLE-DRENO	Max	-1139.083	-98.855	2.853E-14
68	0.22067	SLE-DRENO	Max	-1133.568	-98.919	2.852E-14
68	0.44134	SLE-DRENO	Max	-1128.053	-98.983	2.852E-14
68	0.	SLE-DRENO	Min	-1139.083	-98.855	2.853E-14
68	0.22067	SLE-DRENO	Min	-1133.568	-98.919	2.852E-14
68	0.44134	SLE-DRENO	Min	-1128.053	-98.983	2.852E-14
68	0.	SLU-DRENO	Max	-1480.755	-128.494	1.158E-13
68	0.22067	SLU-DRENO	Max	-1473.586	-128.578	1.158E-13
68	0.44134	SLU-DRENO	Max	-1466.417	-128.661	1.158E-13
68	0.	SLU-DRENO	Min	-1480.755	-128.494	1.158E-13
68	0.22067	SLU-DRENO	Min	-1473.586	-128.578	1.158E-13
68	0.44134	SLU-DRENO	Min	-1466.417	-128.661	1.158E-13
68	0.	SLV-DRENO	Max	-1223.064	-205.593	1.137E-13
68	0.22067	SLV-DRENO	Max	-1216.759	-199.434	1.144E-13
68	0.44134	SLV-DRENO	Max	-1210.455	-193.275	1.152E-13
68	0.	SLV-DRENO	Min	-1223.064	-205.593	1.137E-13
68	0.22067	SLV-DRENO	Min	-1216.759	-199.434	1.144E-13
68	0.44134	SLV-DRENO	Min	-1210.455	-193.275	1.152E-13
68	0.	SLE-CALOTTA	Max	-1142.165	-145.446	1.137E-13
68	0.22067	SLE-CALOTTA	Max	-1136.651	-145.51	1.137E-13
68	0.44134	SLE-CALOTTA	Max	-1131.136	-145.574	1.137E-13
68	0.	SLE-CALOTTA	Min	-1142.165	-145.446	1.137E-13
68	0.22067	SLE-CALOTTA	Min	-1136.651	-145.51	1.137E-13
68	0.44134	SLE-CALOTTA	Min	-1131.136	-145.574	1.137E-13
68	0.	SLU-CALOTTA	Max	-1484.783	-189.062	2.848E-14
68	0.22067	SLU-CALOTTA	Max	-1477.614	-189.146	2.847E-14
68	0.44134	SLU-CALOTTA	Max	-1470.444	-189.229	2.846E-14
68	0.	SLU-CALOTTA	Min	-1484.783	-189.062	2.848E-14
68	0.22067	SLU-CALOTTA	Min	-1477.614	-189.146	2.847E-14
68	0.44134	SLU-CALOTTA	Min	-1470.444	-189.229	2.846E-14
68	0.	SLV-CALOTTA	Max	-1072.278	-261.08	0.
68	0.22067	SLV-CALOTTA	Max	-1065.973	-254.921	7.543E-16
68	0.44134	SLV-CALOTTA	Max	-1059.669	-248.762	1.509E-15
68	0.	SLV-CALOTTA	Min	-1072.278	-261.08	0.
68	0.22067	SLV-CALOTTA	Min	-1065.973	-254.921	7.543E-16
68	0.44134	SLV-CALOTTA	Min	-1059.669	-248.762	1.509E-15
69	0.	SLE-DRENO	Max	-1154.694	-140.094	2.705E-13
69	0.22067	SLE-DRENO	Max	-1149.072	-140.29	2.704E-13
69	0.44134	SLE-DRENO	Max	-1143.45	-140.486	2.704E-13
69	0.	SLE-DRENO	Min	-1154.694	-140.094	2.705E-13
69	0.22067	SLE-DRENO	Min	-1149.072	-140.29	2.704E-13
69	0.44134	SLE-DRENO	Min	-1143.45	-140.486	2.704E-13
69	0.	SLU-DRENO	Max	-1501.049	-182.102	2.298E-13
69	0.22067	SLU-DRENO	Max	-1493.741	-182.357	2.298E-13
69	0.44134	SLU-DRENO	Max	-1486.432	-182.612	2.298E-13
69	0.	SLU-DRENO	Min	-1501.049	-182.102	2.298E-13
69	0.22067	SLU-DRENO	Min	-1493.741	-182.357	2.298E-13
69	0.44134	SLU-DRENO	Min	-1486.432	-182.612	2.298E-13
69	0.	SLV-DRENO	Max	-1243.668	-275.537	5.718E-14
69	0.22067	SLV-DRENO	Max	-1237.093	-269.406	5.793E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
69	0.44134	SLV-DRENO	Max	-1230.519	-263.275	5.868E-14
69	0.	SLV-DRENO	Min	-1243.668	-275.537	5.718E-14
69	0.22067	SLV-DRENO	Min	-1237.093	-269.406	5.793E-14
69	0.44134	SLV-DRENO	Min	-1230.519	-263.275	5.868E-14
69	0.	SLE-CALOTTA	Max	-1158.577	-199.253	0.
69	0.22067	SLE-CALOTTA	Max	-1152.955	-199.45	-2.402E-17
69	0.44134	SLE-CALOTTA	Max	-1147.334	-199.646	-4.804E-17
69	0.	SLE-CALOTTA	Min	-1158.577	-199.253	0.
69	0.22067	SLE-CALOTTA	Min	-1152.955	-199.45	-2.402E-17
69	0.44134	SLE-CALOTTA	Min	-1147.334	-199.646	-4.804E-17
69	0.	SLU-CALOTTA	Max	-1506.118	-259.008	5.551E-17
69	0.22067	SLU-CALOTTA	Max	-1498.809	-259.263	2.429E-17
69	0.44134	SLU-CALOTTA	Max	-1491.501	-259.518	-6.938E-18
69	0.	SLU-CALOTTA	Min	-1506.118	-259.008	5.551E-17
69	0.22067	SLU-CALOTTA	Min	-1498.809	-259.263	2.429E-17
69	0.44134	SLU-CALOTTA	Min	-1491.501	-259.518	-6.938E-18
69	0.	SLV-CALOTTA	Max	-1094.018	-352.358	2.274E-13
69	0.22067	SLV-CALOTTA	Max	-1087.443	-346.227	2.282E-13
69	0.44134	SLV-CALOTTA	Max	-1080.869	-340.096	2.289E-13
69	0.	SLV-CALOTTA	Min	-1094.018	-352.358	2.274E-13
69	0.22067	SLV-CALOTTA	Min	-1087.443	-346.227	2.282E-13
69	0.44134	SLV-CALOTTA	Min	-1080.869	-340.096	2.289E-13
70	0.	SLE-DRENO	Max	-1173.406	-182.918	1.001E-13
70	0.22067	SLE-DRENO	Max	-1167.57	-183.257	1.000E-13
70	0.44134	SLE-DRENO	Max	-1161.734	-183.597	1.000E-13
70	0.	SLE-DRENO	Min	-1173.406	-182.918	1.001E-13
70	0.22067	SLE-DRENO	Min	-1167.57	-183.257	1.000E-13
70	0.44134	SLE-DRENO	Min	-1161.734	-183.597	1.000E-13
70	0.	SLU-DRENO	Max	-1525.375	-237.771	1.729E-13
70	0.22067	SLU-DRENO	Max	-1517.788	-238.212	1.728E-13
70	0.44134	SLU-DRENO	Max	-1510.201	-238.654	1.728E-13
70	0.	SLU-DRENO	Min	-1525.375	-237.771	1.729E-13
70	0.22067	SLU-DRENO	Min	-1517.788	-238.212	1.728E-13
70	0.44134	SLU-DRENO	Min	-1510.201	-238.654	1.728E-13
70	0.	SLV-DRENO	Max	-1268.87	-347.933	1.139E-13
70	0.22067	SLV-DRENO	Max	-1261.892	-341.722	1.147E-13
70	0.44134	SLV-DRENO	Max	-1254.913	-335.511	1.154E-13
70	0.	SLV-DRENO	Min	-1268.87	-347.933	1.139E-13
70	0.22067	SLV-DRENO	Min	-1261.892	-341.722	1.147E-13
70	0.44134	SLV-DRENO	Min	-1254.913	-335.511	1.154E-13
70	0.	SLE-CALOTTA	Max	-1177.911	-255.453	0.
70	0.22067	SLE-CALOTTA	Max	-1172.075	-255.793	-4.159E-17
70	0.44134	SLE-CALOTTA	Max	-1166.239	-256.133	-8.317E-17
70	0.	SLE-CALOTTA	Min	-1177.911	-255.453	0.
70	0.22067	SLE-CALOTTA	Min	-1172.075	-255.793	-4.159E-17
70	0.44134	SLE-CALOTTA	Min	-1166.239	-256.133	-8.317E-17
70	0.	SLU-CALOTTA	Max	-1531.251	-332.065	1.138E-13
70	0.22067	SLU-CALOTTA	Max	-1523.664	-332.507	1.137E-13
70	0.44134	SLU-CALOTTA	Max	-1516.077	-332.948	1.137E-13
70	0.	SLU-CALOTTA	Min	-1531.251	-332.065	1.138E-13
70	0.22067	SLU-CALOTTA	Min	-1523.664	-332.507	1.137E-13
70	0.44134	SLU-CALOTTA	Min	-1516.077	-332.948	1.137E-13
70	0.	SLV-CALOTTA	Max	-1120.414	-447.207	0.
70	0.22067	SLV-CALOTTA	Max	-1113.436	-440.996	7.606E-16
70	0.44134	SLV-CALOTTA	Max	-1106.457	-434.785	1.521E-15
70	0.	SLV-CALOTTA	Min	-1120.414	-447.207	0.
70	0.22067	SLV-CALOTTA	Min	-1113.436	-440.996	7.606E-16
70	0.44134	SLV-CALOTTA	Min	-1106.457	-434.785	1.521E-15
71	0.	SLE-DRENO	Max	-1195.777	-227.103	1.570E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
71	0.22052	SLE-DRENO	Max	-1189.515	-227.614	1.569E-13
71	0.44103	SLE-DRENO	Max	-1183.253	-228.124	1.569E-13
71	0.	SLE-DRENO	Min	-1195.777	-227.103	1.570E-13
71	0.22052	SLE-DRENO	Min	-1189.515	-227.614	1.569E-13
71	0.44103	SLE-DRENO	Min	-1183.253	-228.124	1.569E-13
71	0.	SLU-DRENO	Max	-1554.457	-295.21	2.877E-13
71	0.22052	SLU-DRENO	Max	-1546.316	-295.874	2.876E-13
71	0.44103	SLU-DRENO	Max	-1538.176	-296.538	2.876E-13
71	0.	SLU-DRENO	Min	-1554.457	-295.21	2.877E-13
71	0.22052	SLU-DRENO	Min	-1546.316	-295.874	2.876E-13
71	0.44103	SLU-DRENO	Min	-1538.176	-296.538	2.876E-13
71	0.	SLV-DRENO	Max	-1299.358	-422.579	1.144E-13
71	0.22052	SLV-DRENO	Max	-1291.705	-416.08	1.151E-13
71	0.44103	SLV-DRENO	Max	-1284.052	-409.58	1.159E-13
71	0.	SLV-DRENO	Min	-1299.358	-422.579	1.144E-13
71	0.22052	SLV-DRENO	Min	-1291.705	-416.08	1.151E-13
71	0.44103	SLV-DRENO	Min	-1284.052	-409.58	1.159E-13
71	0.	SLE-CALOTTA	Max	-1200.692	-313.848	2.274E-13
71	0.22052	SLE-CALOTTA	Max	-1194.43	-314.358	2.274E-13
71	0.44103	SLE-CALOTTA	Max	-1188.168	-314.869	2.273E-13
71	0.	SLE-CALOTTA	Min	-1200.692	-313.848	2.274E-13
71	0.22052	SLE-CALOTTA	Min	-1194.43	-314.358	2.274E-13
71	0.44103	SLE-CALOTTA	Min	-1188.168	-314.869	2.273E-13
71	0.	SLU-CALOTTA	Max	-1560.865	-407.975	1.422E-13
71	0.22052	SLU-CALOTTA	Max	-1552.725	-408.638	1.421E-13
71	0.44103	SLU-CALOTTA	Max	-1544.584	-409.302	1.421E-13
71	0.	SLU-CALOTTA	Min	-1560.865	-407.975	1.422E-13
71	0.22052	SLU-CALOTTA	Min	-1552.725	-408.638	1.421E-13
71	0.44103	SLU-CALOTTA	Min	-1544.584	-409.302	1.421E-13
71	0.	SLV-CALOTTA	Max	-1152.131	-545.439	2.276E-13
71	0.22052	SLV-CALOTTA	Max	-1144.478	-538.94	2.284E-13
71	0.44103	SLV-CALOTTA	Max	-1136.825	-532.441	2.292E-13
71	0.	SLV-CALOTTA	Min	-1152.131	-545.439	2.276E-13
71	0.22052	SLV-CALOTTA	Min	-1144.478	-538.94	2.284E-13
71	0.44103	SLV-CALOTTA	Min	-1136.825	-532.441	2.292E-13
72	0.	SLE-DRENO	Max	-1216.988	-266.765	1.719E-13
72	0.16445	SLE-DRENO	Max	-1211.877	-267.286	1.719E-13
72	0.3289	SLE-DRENO	Max	-1206.766	-267.807	1.718E-13
72	0.	SLE-DRENO	Min	-1216.988	-266.765	1.719E-13
72	0.16445	SLE-DRENO	Min	-1211.877	-267.286	1.719E-13
72	0.3289	SLE-DRENO	Min	-1206.766	-267.807	1.718E-13
72	0.	SLU-DRENO	Max	-1582.031	-346.768	2.324E-13
72	0.16445	SLU-DRENO	Max	-1575.386	-347.446	2.323E-13
72	0.3289	SLU-DRENO	Max	-1568.742	-348.124	2.322E-13
72	0.	SLU-DRENO	Min	-1582.031	-346.768	2.324E-13
72	0.16445	SLU-DRENO	Min	-1575.386	-347.446	2.323E-13
72	0.3289	SLU-DRENO	Min	-1568.742	-348.124	2.322E-13
72	0.	SLV-DRENO	Max	-1328.82	-489.161	3.415E-13
72	0.16445	SLV-DRENO	Max	-1322.455	-483.975	3.421E-13
72	0.3289	SLV-DRENO	Max	-1316.09	-478.788	3.428E-13
72	0.	SLV-DRENO	Min	-1328.82	-489.161	3.415E-13
72	0.16445	SLV-DRENO	Min	-1322.455	-483.975	3.421E-13
72	0.3289	SLV-DRENO	Min	-1316.09	-478.788	3.428E-13
72	0.	SLE-CALOTTA	Max	-1222.105	-366.659	-2.273E-13
72	0.16445	SLE-CALOTTA	Max	-1216.994	-367.18	-2.274E-13
72	0.3289	SLE-CALOTTA	Max	-1211.883	-367.701	-2.274E-13
72	0.	SLE-CALOTTA	Min	-1222.105	-366.659	-2.273E-13
72	0.16445	SLE-CALOTTA	Min	-1216.994	-367.18	-2.274E-13
72	0.3289	SLE-CALOTTA	Min	-1211.883	-367.701	-2.274E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
72	0.	SLU-CALOTTA	Max	-1588.702	-476.626	2.276E-13
72	0.16445	SLU-CALOTTA	Max	-1582.057	-477.304	2.275E-13
72	0.3289	SLU-CALOTTA	Max	-1575.413	-477.981	2.274E-13
72	0.	SLU-CALOTTA	Min	-1588.702	-476.626	2.276E-13
72	0.16445	SLU-CALOTTA	Min	-1582.057	-477.304	2.275E-13
72	0.3289	SLU-CALOTTA	Min	-1575.413	-477.981	2.274E-13
72	0.	SLV-CALOTTA	Max	-1182.726	-633.614	-4.545E-13
72	0.16445	SLV-CALOTTA	Max	-1176.362	-628.428	-4.539E-13
72	0.3289	SLV-CALOTTA	Max	-1169.997	-623.242	-4.533E-13
72	0.	SLV-CALOTTA	Min	-1182.726	-633.614	-4.545E-13
72	0.16445	SLV-CALOTTA	Min	-1176.362	-628.428	-4.539E-13
72	0.3289	SLV-CALOTTA	Min	-1169.997	-623.242	-4.533E-13
73	0.	SLE-DRENO	Max	-1239.162	-301.513	1.427E-13
73	0.16445	SLE-DRENO	Max	-1233.653	-302.172	1.426E-13
73	0.3289	SLE-DRENO	Max	-1228.143	-302.83	1.425E-13
73	0.	SLE-DRENO	Min	-1239.162	-301.513	1.427E-13
73	0.16445	SLE-DRENO	Min	-1233.653	-302.172	1.426E-13
73	0.3289	SLE-DRENO	Min	-1228.143	-302.83	1.425E-13
73	0.	SLU-DRENO	Max	-1610.856	-391.94	4.596E-13
73	0.16445	SLU-DRENO	Max	-1603.694	-392.796	4.595E-13
73	0.3289	SLU-DRENO	Max	-1596.532	-393.652	4.594E-13
73	0.	SLU-DRENO	Min	-1610.856	-391.94	4.596E-13
73	0.16445	SLU-DRENO	Min	-1603.694	-392.796	4.595E-13
73	0.3289	SLU-DRENO	Min	-1596.532	-393.652	4.594E-13
73	0.	SLV-DRENO	Max	-1359.571	-547.321	1.137E-13
73	0.16445	SLV-DRENO	Max	-1352.601	-541.84	1.144E-13
73	0.3289	SLV-DRENO	Max	-1345.631	-536.358	1.150E-13
73	0.	SLV-DRENO	Min	-1359.571	-547.321	1.137E-13
73	0.16445	SLV-DRENO	Min	-1352.601	-541.84	1.144E-13
73	0.3289	SLV-DRENO	Min	-1345.631	-536.358	1.150E-13
73	0.	SLE-CALOTTA	Max	-1244.322	-412.703	0.
73	0.16445	SLE-CALOTTA	Max	-1238.813	-413.362	-8.065E-17
73	0.3289	SLE-CALOTTA	Max	-1233.303	-414.02	-1.613E-16
73	0.	SLE-CALOTTA	Min	-1244.322	-412.703	0.
73	0.16445	SLE-CALOTTA	Min	-1238.813	-413.362	-8.065E-17
73	0.3289	SLE-CALOTTA	Min	-1233.303	-414.02	-1.613E-16
73	0.	SLU-CALOTTA	Max	-1617.584	-536.482	-5.684E-14
73	0.16445	SLU-CALOTTA	Max	-1610.421	-537.338	-5.695E-14
73	0.3289	SLU-CALOTTA	Max	-1603.259	-538.194	-5.705E-14
73	0.	SLU-CALOTTA	Min	-1617.584	-536.482	-5.684E-14
73	0.16445	SLU-CALOTTA	Min	-1610.421	-537.338	-5.695E-14
73	0.3289	SLU-CALOTTA	Min	-1603.259	-538.194	-5.705E-14
73	0.	SLV-CALOTTA	Max	-1214.273	-710.901	4.547E-13
73	0.16445	SLV-CALOTTA	Max	-1207.303	-705.419	4.554E-13
73	0.3289	SLV-CALOTTA	Max	-1200.333	-699.938	4.561E-13
73	0.	SLV-CALOTTA	Min	-1214.273	-710.901	4.547E-13
73	0.16445	SLV-CALOTTA	Min	-1207.303	-705.419	4.554E-13
73	0.3289	SLV-CALOTTA	Min	-1200.333	-699.938	4.561E-13
74	0.	SLE-DRENO	Max	-1263.946	-337.064	-2.875E-14
74	0.16445	SLE-DRENO	Max	-1257.96	-337.885	-2.886E-14
74	0.3289	SLE-DRENO	Max	-1251.974	-338.705	-2.896E-14
74	0.	SLE-DRENO	Min	-1263.946	-337.064	-2.875E-14
74	0.16445	SLE-DRENO	Min	-1257.96	-337.885	-2.886E-14
74	0.3289	SLE-DRENO	Min	-1251.974	-338.705	-2.896E-14
74	0.	SLU-DRENO	Max	-1643.075	-438.155	-2.442E-15
74	0.16445	SLU-DRENO	Max	-1635.293	-439.222	-2.573E-15
74	0.3289	SLU-DRENO	Max	-1627.512	-440.289	-2.704E-15
74	0.	SLU-DRENO	Min	-1643.075	-438.155	-2.442E-15
74	0.16445	SLU-DRENO	Min	-1635.293	-439.222	-2.573E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
74	0.3289	SLU-DRENO	Min	-1627.512	-440.289	-2.704E-15
74	0.	SLV-DRENO	Max	-1394.273	-606.291	-4.441E-16
74	0.16445	SLV-DRENO	Max	-1386.582	-600.455	2.707E-16
74	0.3289	SLV-DRENO	Max	-1378.89	-594.619	9.854E-16
74	0.	SLV-DRENO	Min	-1394.273	-606.291	-4.441E-16
74	0.16445	SLV-DRENO	Min	-1386.582	-600.455	2.707E-16
74	0.3289	SLV-DRENO	Min	-1378.89	-594.619	9.854E-16
74	0.	SLE-CALOTTA	Max	-1269.071	-459.616	-1.110E-16
74	0.16445	SLE-CALOTTA	Max	-1263.085	-460.437	-2.116E-16
74	0.3289	SLE-CALOTTA	Max	-1257.099	-461.258	-3.121E-16
74	0.	SLE-CALOTTA	Min	-1269.071	-459.616	-1.110E-16
74	0.16445	SLE-CALOTTA	Min	-1263.085	-460.437	-2.116E-16
74	0.3289	SLE-CALOTTA	Min	-1257.099	-461.258	-3.121E-16
74	0.	SLU-CALOTTA	Max	-1649.756	-597.466	-5.695E-14
74	0.16445	SLU-CALOTTA	Max	-1641.975	-598.533	-5.709E-14
74	0.3289	SLU-CALOTTA	Max	-1634.193	-599.6	-5.722E-14
74	0.	SLU-CALOTTA	Min	-1649.756	-597.466	-5.695E-14
74	0.16445	SLU-CALOTTA	Min	-1641.975	-598.533	-5.709E-14
74	0.3289	SLU-CALOTTA	Min	-1634.193	-599.6	-5.722E-14
74	0.	SLV-CALOTTA	Max	-1249.59	-789.697	9.093E-13
74	0.16445	SLV-CALOTTA	Max	-1241.898	-783.86	9.100E-13
74	0.3289	SLV-CALOTTA	Max	-1234.207	-778.024	9.107E-13
74	0.	SLV-CALOTTA	Min	-1249.59	-789.697	9.093E-13
74	0.16445	SLV-CALOTTA	Min	-1241.898	-783.86	9.100E-13
74	0.3289	SLV-CALOTTA	Min	-1234.207	-778.024	9.107E-13
75	0.	SLE-DRENO	Max	-810.676	475.274	-9.914E-14
75	0.23797	SLE-DRENO	Max	-806.546	465.98	-1.003E-13
75	0.47593	SLE-DRENO	Max	-802.417	456.686	-1.014E-13
75	0.	SLE-DRENO	Min	-810.676	475.274	-9.914E-14
75	0.23797	SLE-DRENO	Min	-806.546	465.98	-1.003E-13
75	0.47593	SLE-DRENO	Min	-802.417	456.686	-1.014E-13
75	0.	SLU-DRENO	Max	-1053.834	617.845	3.418E-13
75	0.23797	SLU-DRENO	Max	-1048.465	605.763	3.404E-13
75	0.47593	SLU-DRENO	Max	-1043.097	593.681	3.389E-13
75	0.	SLU-DRENO	Min	-1053.834	617.845	3.418E-13
75	0.23797	SLU-DRENO	Min	-1048.465	605.763	3.404E-13
75	0.47593	SLU-DRENO	Min	-1043.097	593.681	3.389E-13
75	0.	SLV-DRENO	Max	-1059.856	296.296	2.220E-16
75	0.23797	SLV-DRENO	Max	-1044.687	290.461	-4.926E-16
75	0.47593	SLV-DRENO	Max	-1029.519	284.625	-1.207E-15
75	0.	SLV-DRENO	Min	-1059.856	296.296	2.220E-16
75	0.23797	SLV-DRENO	Min	-1044.687	290.461	-4.926E-16
75	0.47593	SLV-DRENO	Min	-1029.519	284.625	-1.207E-15
75	0.	SLE-CALOTTA	Max	-984.092	564.225	1.665E-16
75	0.23797	SLE-CALOTTA	Max	-979.963	554.931	-9.716E-16
75	0.47593	SLE-CALOTTA	Max	-975.833	545.637	-2.110E-15
75	0.	SLE-CALOTTA	Min	-984.092	564.225	1.665E-16
75	0.23797	SLE-CALOTTA	Min	-979.963	554.931	-9.716E-16
75	0.47593	SLE-CALOTTA	Min	-975.833	545.637	-2.110E-15
75	0.	SLU-CALOTTA	Max	-1279.277	733.494	2.274E-13
75	0.23797	SLU-CALOTTA	Max	-1273.908	721.412	2.259E-13
75	0.47593	SLU-CALOTTA	Max	-1268.539	709.33	2.244E-13
75	0.	SLU-CALOTTA	Min	-1279.277	733.494	2.274E-13
75	0.23797	SLU-CALOTTA	Min	-1273.908	721.412	2.259E-13
75	0.47593	SLU-CALOTTA	Min	-1268.539	709.33	2.244E-13
75	0.	SLV-CALOTTA	Max	-1260.201	351.499	-4.545E-13
75	0.23797	SLV-CALOTTA	Max	-1245.032	345.664	-4.552E-13
75	0.47593	SLV-CALOTTA	Max	-1229.863	339.828	-4.560E-13
75	0.	SLV-CALOTTA	Min	-1260.201	351.499	-4.545E-13



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
75	0.23797	SLV-CALOTTA	Min	-1245.032	345.664	-4.552E-13
75	0.47593	SLV-CALOTTA	Min	-1229.863	339.828	-4.560E-13
76	0.	SLE-DRENO	Max	-817.776	427.036	-9.953E-14
76	0.23797	SLE-DRENO	Max	-814.226	419.046	-1.005E-13
76	0.47593	SLE-DRENO	Max	-810.676	411.057	-1.015E-13
76	0.	SLE-DRENO	Min	-817.776	427.036	-9.953E-14
76	0.23797	SLE-DRENO	Min	-814.226	419.046	-1.005E-13
76	0.47593	SLE-DRENO	Min	-810.676	411.057	-1.015E-13
76	0.	SLU-DRENO	Max	-1063.064	555.136	0.
76	0.23797	SLU-DRENO	Max	-1058.449	544.75	-1.272E-15
76	0.47593	SLU-DRENO	Max	-1053.834	534.364	-2.544E-15
76	0.	SLU-DRENO	Min	-1063.064	555.136	0.
76	0.23797	SLU-DRENO	Min	-1058.449	544.75	-1.272E-15
76	0.47593	SLU-DRENO	Min	-1053.834	534.364	-2.544E-15
76	0.	SLV-DRENO	Max	-1075.955	258.409	-2.220E-16
76	0.23797	SLV-DRENO	Max	-1062.915	253.393	-8.364E-16
76	0.47593	SLV-DRENO	Max	-1049.875	248.376	-1.451E-15
76	0.	SLV-DRENO	Min	-1075.955	258.409	-2.220E-16
76	0.23797	SLV-DRENO	Min	-1062.915	253.393	-8.364E-16
76	0.47593	SLV-DRENO	Min	-1049.875	248.376	-1.451E-15
76	0.	SLE-CALOTTA	Max	-991.192	502.297	5.551E-17
76	0.23797	SLE-CALOTTA	Max	-987.642	494.307	-9.229E-16
76	0.47593	SLE-CALOTTA	Max	-984.092	486.318	-1.901E-15
76	0.	SLE-CALOTTA	Min	-991.192	502.297	5.551E-17
76	0.23797	SLE-CALOTTA	Min	-987.642	494.307	-9.229E-16
76	0.47593	SLE-CALOTTA	Min	-984.092	486.318	-1.901E-15
76	0.	SLU-CALOTTA	Max	-1288.506	652.987	0.
76	0.23797	SLU-CALOTTA	Max	-1283.891	642.601	-1.272E-15
76	0.47593	SLU-CALOTTA	Max	-1279.276	632.215	-2.544E-15
76	0.	SLU-CALOTTA	Min	-1288.506	652.987	0.
76	0.23797	SLU-CALOTTA	Min	-1283.891	642.601	-1.272E-15
76	0.47593	SLU-CALOTTA	Min	-1279.276	632.215	-2.544E-15
76	0.	SLV-CALOTTA	Max	-1276.934	308.581	-4.550E-13
76	0.23797	SLV-CALOTTA	Max	-1263.894	303.564	-4.556E-13
76	0.47593	SLV-CALOTTA	Max	-1250.854	298.548	-4.562E-13
76	0.	SLV-CALOTTA	Min	-1276.934	308.581	-4.550E-13
76	0.23797	SLV-CALOTTA	Min	-1263.894	303.564	-4.556E-13
76	0.47593	SLV-CALOTTA	Min	-1250.854	298.548	-4.562E-13
77	0.	SLE-DRENO	Max	-823.089	374.59	9.925E-14
77	0.23797	SLE-DRENO	Max	-820.432	368.611	9.852E-14
77	0.47593	SLE-DRENO	Max	-817.776	362.633	9.779E-14
77	0.	SLE-DRENO	Min	-823.089	374.59	9.925E-14
77	0.23797	SLE-DRENO	Min	-820.432	368.611	9.852E-14
77	0.47593	SLE-DRENO	Min	-817.776	362.633	9.779E-14
77	0.	SLU-DRENO	Max	-1069.971	486.957	-1.164E-13
77	0.23797	SLU-DRENO	Max	-1066.517	479.185	-1.174E-13
77	0.47593	SLU-DRENO	Max	-1063.064	471.413	-1.183E-13
77	0.	SLU-DRENO	Min	-1069.971	486.957	-1.164E-13
77	0.23797	SLU-DRENO	Min	-1066.517	479.185	-1.174E-13
77	0.47593	SLU-DRENO	Min	-1063.064	471.413	-1.183E-13
77	0.	SLV-DRENO	Max	-1089.701	217.714	-1.139E-13
77	0.23797	SLV-DRENO	Max	-1079.943	213.96	-1.144E-13
77	0.47593	SLV-DRENO	Max	-1070.186	210.207	-1.148E-13
77	0.	SLV-DRENO	Min	-1089.701	217.714	-1.139E-13
77	0.23797	SLV-DRENO	Min	-1079.943	213.96	-1.144E-13
77	0.47593	SLV-DRENO	Min	-1070.186	210.207	-1.148E-13
77	0.	SLE-CALOTTA	Max	-996.505	436.192	-3.411E-13
77	0.23797	SLE-CALOTTA	Max	-993.848	430.213	-3.418E-13
77	0.47593	SLE-CALOTTA	Max	-991.192	424.235	-3.426E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
77	0.	SLE-CALOTTA	Min	-996.505	436.192	-3.411E-13
77	0.23797	SLE-CALOTTA	Min	-993.848	430.213	-3.418E-13
77	0.47593	SLE-CALOTTA	Min	-991.192	424.235	-3.426E-13
77	0.	SLU-CALOTTA	Max	-1295.413	567.051	-2.826E-14
77	0.23797	SLU-CALOTTA	Max	-1291.96	559.279	-2.921E-14
77	0.47593	SLU-CALOTTA	Max	-1288.506	551.507	-3.016E-14
77	0.	SLV-CALOTTA	Min	-1295.413	567.051	-2.826E-14
77	0.23797	SLV-CALOTTA	Min	-1291.96	559.279	-2.921E-14
77	0.47593	SLV-CALOTTA	Min	-1288.506	551.507	-3.016E-14
77	0.	SLV-CALOTTA	Max	-1290.737	261.458	-4.547E-13
77	0.23797	SLV-CALOTTA	Max	-1280.98	257.704	-4.552E-13
77	0.47593	SLV-CALOTTA	Max	-1271.222	253.951	-4.557E-13
77	0.	SLV-CALOTTA	Min	-1290.737	261.458	-4.547E-13
77	0.23797	SLV-CALOTTA	Min	-1280.98	257.704	-4.552E-13
77	0.47593	SLV-CALOTTA	Min	-1271.222	253.951	-4.557E-13
78	0.	SLE-DRENO	Max	-821.531	337.205	-1.421E-13
78	0.23852	SLE-DRENO	Max	-818.983	331.163	-1.428E-13
78	0.47704	SLE-DRENO	Max	-816.435	325.121	-1.436E-13
78	0.	SLE-DRENO	Min	-821.531	337.205	-1.421E-13
78	0.23852	SLE-DRENO	Min	-818.983	331.163	-1.428E-13
78	0.47704	SLE-DRENO	Min	-816.435	325.121	-1.436E-13
78	0.	SLU-DRENO	Max	-1067.946	438.357	-5.690E-14
78	0.23852	SLU-DRENO	Max	-1064.633	430.503	-5.786E-14
78	0.47704	SLU-DRENO	Max	-1061.32	422.648	-5.882E-14
78	0.	SLU-DRENO	Min	-1067.946	438.357	-5.690E-14
78	0.23852	SLU-DRENO	Min	-1064.633	430.503	-5.786E-14
78	0.47704	SLU-DRENO	Min	-1061.32	422.648	-5.882E-14
78	0.	SLV-DRENO	Max	-1099.972	198.26	-1.137E-13
78	0.23852	SLV-DRENO	Max	-1090.265	194.312	-1.142E-13
78	0.47704	SLV-DRENO	Max	-1080.558	190.364	-1.147E-13
78	0.	SLV-DRENO	Min	-1099.972	198.26	-1.137E-13
78	0.23852	SLV-DRENO	Min	-1090.265	194.312	-1.142E-13
78	0.47704	SLV-DRENO	Min	-1080.558	190.364	-1.147E-13
78	0.	SLE-CALOTTA	Max	-993.875	388.568	1.136E-13
78	0.23852	SLE-CALOTTA	Max	-991.327	382.527	1.129E-13
78	0.47704	SLE-CALOTTA	Max	-988.778	376.485	1.122E-13
78	0.	SLE-CALOTTA	Min	-993.875	388.568	1.136E-13
78	0.23852	SLE-CALOTTA	Min	-991.327	382.527	1.129E-13
78	0.47704	SLE-CALOTTA	Min	-988.778	376.485	1.122E-13
78	0.	SLU-CALOTTA	Max	-1291.994	505.14	-2.848E-14
78	0.23852	SLU-CALOTTA	Max	-1288.681	497.285	-2.944E-14
78	0.47704	SLU-CALOTTA	Max	-1285.368	489.431	-3.040E-14
78	0.	SLU-CALOTTA	Min	-1291.994	505.14	-2.848E-14
78	0.23852	SLU-CALOTTA	Min	-1288.681	497.285	-2.944E-14
78	0.47704	SLU-CALOTTA	Min	-1285.368	489.431	-3.040E-14
78	0.	SLV-CALOTTA	Max	-1299.705	238.039	4.547E-13
78	0.23852	SLV-CALOTTA	Max	-1289.998	234.092	4.543E-13
78	0.47704	SLV-CALOTTA	Max	-1280.291	230.144	4.538E-13
78	0.	SLV-CALOTTA	Min	-1299.705	238.039	4.547E-13
78	0.23852	SLV-CALOTTA	Min	-1289.998	234.092	4.543E-13
78	0.47704	SLV-CALOTTA	Min	-1280.291	230.144	4.538E-13
79	0.	SLE-DRENO	Max	-814.003	314.034	-1.565E-13
79	0.23852	SLE-DRENO	Max	-811.686	307.899	-1.573E-13
79	0.47704	SLE-DRENO	Max	-809.37	301.765	-1.580E-13
79	0.	SLE-DRENO	Min	-814.003	314.034	-1.565E-13
79	0.23852	SLE-DRENO	Min	-811.686	307.899	-1.573E-13
79	0.47704	SLE-DRENO	Min	-809.37	301.765	-1.580E-13
79	0.	SLU-DRENO	Max	-1058.16	408.233	-3.109E-15
79	0.23852	SLU-DRENO	Max	-1055.148	400.259	-4.085E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
79	0.47704	SLU-DRENO	Max	-1052.136	392.284	-5.062E-15
79	0.	SLU-DRENO	Min	-1058.16	408.233	-3.109E-15
79	0.23852	SLU-DRENO	Min	-1055.148	400.259	-4.085E-15
79	0.47704	SLU-DRENO	Min	-1052.136	392.284	-5.062E-15
79	0.	SLV-DRENO	Max	-1106.581	198.684	-1.708E-13
79	0.23852	SLV-DRENO	Max	-1097.031	194.37	-1.713E-13
79	0.47704	SLV-DRENO	Max	-1087.481	190.056	-1.718E-13
79	0.	SLV-DRENO	Min	-1106.581	198.684	-1.708E-13
79	0.23852	SLV-DRENO	Min	-1097.031	194.37	-1.713E-13
79	0.47704	SLV-DRENO	Min	-1087.481	190.056	-1.718E-13
79	0.	SLE-CALOTTA	Max	-984.525	358.742	2.274E-13
79	0.23852	SLE-CALOTTA	Max	-982.208	352.608	2.266E-13
79	0.47704	SLE-CALOTTA	Max	-979.891	346.473	2.259E-13
79	0.	SLE-CALOTTA	Min	-984.525	358.742	2.274E-13
79	0.23852	SLE-CALOTTA	Min	-982.208	352.608	2.266E-13
79	0.47704	SLE-CALOTTA	Min	-979.891	346.473	2.259E-13
79	0.	SLU-CALOTTA	Max	-1279.839	466.364	-5.551E-17
79	0.23852	SLU-CALOTTA	Max	-1276.827	458.389	-1.032E-15
79	0.47704	SLU-CALOTTA	Max	-1273.815	450.414	-2.009E-15
79	0.	SLU-CALOTTA	Min	-1279.839	466.364	-5.551E-17
79	0.23852	SLU-CALOTTA	Min	-1276.827	458.389	-1.032E-15
79	0.47704	SLU-CALOTTA	Min	-1273.815	450.414	-2.009E-15
79	0.	SLV-CALOTTA	Max	-1303.833	237.018	2.273E-13
79	0.23852	SLV-CALOTTA	Max	-1294.283	232.705	2.267E-13
79	0.47704	SLV-CALOTTA	Max	-1284.734	228.391	2.262E-13
79	0.	SLV-CALOTTA	Min	-1303.833	237.018	2.273E-13
79	0.23852	SLV-CALOTTA	Min	-1294.283	232.705	2.267E-13
79	0.47704	SLV-CALOTTA	Min	-1284.734	228.391	2.262E-13
80	0.	SLE-DRENO	Max	-806.922	289.191	1.281E-13
80	0.23852	SLE-DRENO	Max	-804.84	282.973	1.273E-13
80	0.47704	SLE-DRENO	Max	-802.758	276.755	1.265E-13
80	0.	SLE-DRENO	Min	-806.922	289.191	1.281E-13
80	0.23852	SLE-DRENO	Min	-804.84	282.973	1.273E-13
80	0.47704	SLE-DRENO	Min	-802.758	276.755	1.265E-13
80	0.	SLU-DRENO	Max	-1048.955	375.937	-5.768E-14
80	0.23852	SLU-DRENO	Max	-1046.249	367.854	-5.867E-14
80	0.47704	SLU-DRENO	Max	-1043.542	359.771	-5.966E-14
80	0.	SLU-DRENO	Min	-1048.955	375.937	-5.768E-14
80	0.23852	SLU-DRENO	Min	-1046.249	367.854	-5.867E-14
80	0.47704	SLU-DRENO	Min	-1043.542	359.771	-5.966E-14
80	0.	SLV-DRENO	Max	-1112.758	197.371	-5.662E-14
80	0.23852	SLV-DRENO	Max	-1103.379	192.697	-5.719E-14
80	0.47704	SLV-DRENO	Max	-1094.	188.024	-5.777E-14
80	0.	SLV-DRENO	Min	-1112.758	197.371	-5.662E-14
80	0.23852	SLV-DRENO	Min	-1103.379	192.697	-5.719E-14
80	0.47704	SLV-DRENO	Min	-1094.	188.024	-5.777E-14
80	0.	SLE-CALOTTA	Max	-975.867	327.63	-5.551E-17
80	0.23852	SLE-CALOTTA	Max	-973.785	321.412	-8.170E-16
80	0.47704	SLE-CALOTTA	Max	-971.703	315.194	-1.578E-15
80	0.	SLE-CALOTTA	Min	-975.867	327.63	-5.551E-17
80	0.23852	SLE-CALOTTA	Min	-973.785	321.412	-8.170E-16
80	0.47704	SLE-CALOTTA	Min	-971.703	315.194	-1.578E-15
80	0.	SLU-CALOTTA	Max	-1268.584	425.916	8.527E-14
80	0.23852	SLU-CALOTTA	Max	-1265.877	417.833	8.428E-14
80	0.47704	SLU-CALOTTA	Max	-1263.171	409.749	8.329E-14
80	0.	SLU-CALOTTA	Min	-1268.584	425.916	8.527E-14
80	0.23852	SLU-CALOTTA	Min	-1265.877	417.833	8.428E-14
80	0.47704	SLU-CALOTTA	Min	-1263.171	409.749	8.329E-14
80	0.	SLV-CALOTTA	Max	-1307.26	233.032	2.273E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
80	0.23852	SLV-CALOTTA	Max	-1297.881	228.358	2.267E-13
80	0.47704	SLV-CALOTTA	Max	-1288.502	223.685	2.261E-13
80	0.	SLV-CALOTTA	Min	-1307.26	233.032	2.273E-13
80	0.23852	SLV-CALOTTA	Min	-1297.881	228.358	2.267E-13
80	0.47704	SLV-CALOTTA	Min	-1288.502	223.685	2.261E-13
81	0.	SLE-DRENO	Max	-800.343	262.85	2.864E-14
81	0.23852	SLE-DRENO	Max	-798.498	256.557	2.787E-14
81	0.47704	SLE-DRENO	Max	-796.654	250.265	2.710E-14
81	0.	SLE-DRENO	Min	-800.343	262.85	2.864E-14
81	0.23852	SLE-DRENO	Min	-798.498	256.557	2.787E-14
81	0.47704	SLE-DRENO	Min	-796.654	250.265	2.710E-14
81	0.	SLU-DRENO	Max	-1040.4	341.693	5.673E-14
81	0.23852	SLU-DRENO	Max	-1038.003	333.513	5.573E-14
81	0.47704	SLU-DRENO	Max	-1035.605	325.332	5.473E-14
81	0.	SLU-DRENO	Min	-1040.4	341.693	5.673E-14
81	0.23852	SLU-DRENO	Min	-1038.003	333.513	5.573E-14
81	0.47704	SLU-DRENO	Min	-1035.605	325.332	5.473E-14
81	0.	SLV-DRENO	Max	-1118.384	194.383	5.707E-14
81	0.23852	SLV-DRENO	Max	-1109.189	189.356	5.645E-14
81	0.47704	SLV-DRENO	Max	-1099.995	184.33	5.583E-14
81	0.	SLV-DRENO	Min	-1118.384	194.383	5.707E-14
81	0.23852	SLV-DRENO	Min	-1109.189	189.356	5.645E-14
81	0.47704	SLV-DRENO	Min	-1099.995	184.33	5.583E-14
81	0.	SLE-CALOTTA	Max	-967.941	295.376	3.411E-13
81	0.23852	SLE-CALOTTA	Max	-966.097	289.083	3.403E-13
81	0.47704	SLE-CALOTTA	Max	-964.253	282.791	3.396E-13
81	0.	SLE-CALOTTA	Min	-967.941	295.376	3.411E-13
81	0.23852	SLE-CALOTTA	Min	-966.097	289.083	3.403E-13
81	0.47704	SLE-CALOTTA	Min	-964.253	282.791	3.396E-13
81	0.	SLU-CALOTTA	Max	-1258.28	383.985	2.842E-14
81	0.23852	SLU-CALOTTA	Max	-1255.883	375.805	2.742E-14
81	0.47704	SLU-CALOTTA	Max	-1253.485	367.624	2.642E-14
81	0.	SLU-CALOTTA	Min	-1258.28	383.985	2.842E-14
81	0.23852	SLU-CALOTTA	Min	-1255.883	375.805	2.742E-14
81	0.47704	SLU-CALOTTA	Min	-1253.485	367.624	2.642E-14
81	0.	SLV-CALOTTA	Max	-1310.039	226.177	4.547E-13
81	0.23852	SLV-CALOTTA	Max	-1300.845	221.15	4.541E-13
81	0.47704	SLV-CALOTTA	Max	-1291.65	216.123	4.535E-13
81	0.	SLV-CALOTTA	Min	-1310.039	226.177	4.547E-13
81	0.23852	SLV-CALOTTA	Min	-1300.845	221.15	4.541E-13
81	0.47704	SLV-CALOTTA	Min	-1291.65	216.123	4.535E-13
82	0.	SLE-DRENO	Max	-794.312	235.173	1.278E-13
82	0.23852	SLE-DRENO	Max	-792.708	228.815	1.270E-13
82	0.47704	SLE-DRENO	Max	-791.104	222.457	1.262E-13
82	0.	SLE-DRENO	Min	-794.312	235.173	1.278E-13
82	0.23852	SLE-DRENO	Min	-792.708	228.815	1.270E-13
82	0.47704	SLE-DRENO	Min	-791.104	222.457	1.262E-13
82	0.	SLU-DRENO	Max	-1032.561	305.713	1.150E-13
82	0.23852	SLU-DRENO	Max	-1030.476	297.448	1.140E-13
82	0.47704	SLU-DRENO	Max	-1028.391	289.182	1.129E-13
82	0.	SLU-DRENO	Min	-1032.561	305.713	1.150E-13
82	0.23852	SLU-DRENO	Min	-1030.476	297.448	1.140E-13
82	0.47704	SLU-DRENO	Min	-1028.391	289.182	1.129E-13
82	0.	SLV-DRENO	Max	-1123.349	189.748	-1.137E-13
82	0.23852	SLV-DRENO	Max	-1114.352	184.376	-1.143E-13
82	0.47704	SLV-DRENO	Max	-1105.355	179.003	-1.150E-13
82	0.	SLV-DRENO	Min	-1123.349	189.748	-1.137E-13
82	0.23852	SLV-DRENO	Min	-1114.352	184.376	-1.143E-13
82	0.47704	SLV-DRENO	Min	-1105.355	179.003	-1.150E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
82	0.	SLE-CALOTTA	Max	-960.783	262.113	-1.137E-13
82	0.23852	SLE-CALOTTA	Max	-959.179	255.755	-1.145E-13
82	0.47704	SLE-CALOTTA	Max	-957.575	249.397	-1.152E-13
82	0.	SLE-CALOTTA	Min	-960.783	262.113	-1.137E-13
82	0.23852	SLE-CALOTTA	Min	-959.179	255.755	-1.145E-13
82	0.47704	SLE-CALOTTA	Min	-957.575	249.397	-1.152E-13
82	0.	SLU-CALOTTA	Max	-1248.975	340.742	5.690E-14
82	0.23852	SLU-CALOTTA	Max	-1246.89	332.476	5.589E-14
82	0.47704	SLU-CALOTTA	Max	-1244.805	324.211	5.487E-14
82	0.	SLU-CALOTTA	Min	-1248.975	340.742	5.690E-14
82	0.23852	SLU-CALOTTA	Min	-1246.89	332.476	5.589E-14
82	0.47704	SLU-CALOTTA	Min	-1244.805	324.211	5.487E-14
82	0.	SLV-CALOTTA	Max	-1312.227	216.534	-4.546E-13
82	0.23852	SLV-CALOTTA	Max	-1303.23	211.162	-4.553E-13
82	0.47704	SLV-CALOTTA	Max	-1294.233	205.79	-4.560E-13
82	0.	SLV-CALOTTA	Min	-1312.227	216.534	-4.546E-13
82	0.23852	SLV-CALOTTA	Min	-1303.23	211.162	-4.553E-13
82	0.47704	SLV-CALOTTA	Min	-1294.233	205.79	-4.560E-13
83	0.	SLE-DRENO	Max	-788.873	206.315	-1.280E-13
83	0.23852	SLE-DRENO	Max	-787.512	199.9	-1.287E-13
83	0.47704	SLE-DRENO	Max	-786.151	193.485	-1.295E-13
83	0.	SLE-DRENO	Min	-788.873	206.315	-1.280E-13
83	0.23852	SLE-DRENO	Min	-787.512	199.9	-1.287E-13
83	0.47704	SLE-DRENO	Min	-786.151	193.485	-1.295E-13
83	0.	SLU-DRENO	Max	-1025.491	268.197	-1.721E-13
83	0.23852	SLU-DRENO	Max	-1023.722	259.858	-1.731E-13
83	0.47704	SLU-DRENO	Max	-1021.953	251.519	-1.741E-13
83	0.	SLU-DRENO	Min	-1025.491	268.197	-1.721E-13
83	0.23852	SLU-DRENO	Min	-1023.722	259.858	-1.731E-13
83	0.47704	SLU-DRENO	Min	-1021.953	251.519	-1.741E-13
83	0.	SLV-DRENO	Max	-1127.558	183.463	-1.712E-13
83	0.23852	SLV-DRENO	Max	-1118.771	177.753	-1.719E-13
83	0.47704	SLV-DRENO	Max	-1109.985	172.042	-1.726E-13
83	0.	SLV-DRENO	Min	-1127.558	183.463	-1.712E-13
83	0.23852	SLV-DRENO	Min	-1118.771	177.753	-1.719E-13
83	0.47704	SLV-DRENO	Min	-1109.985	172.042	-1.726E-13
83	0.	SLE-CALOTTA	Max	-954.424	227.96	1.137E-13
83	0.23852	SLE-CALOTTA	Max	-953.063	221.546	1.129E-13
83	0.47704	SLE-CALOTTA	Max	-951.702	215.131	1.121E-13
83	0.	SLE-CALOTTA	Min	-954.424	227.96	1.137E-13
83	0.23852	SLE-CALOTTA	Min	-953.063	221.546	1.129E-13
83	0.47704	SLE-CALOTTA	Min	-951.702	215.131	1.121E-13
83	0.	SLU-CALOTTA	Max	-1240.707	296.342	-2.837E-14
83	0.23852	SLU-CALOTTA	Max	-1238.938	288.003	-2.939E-14
83	0.47704	SLU-CALOTTA	Max	-1237.169	279.664	-3.041E-14
83	0.	SLU-CALOTTA	Min	-1240.707	296.342	-2.837E-14
83	0.23852	SLU-CALOTTA	Min	-1238.938	288.003	-2.939E-14
83	0.47704	SLU-CALOTTA	Min	-1237.169	279.664	-3.041E-14
83	0.	SLV-CALOTTA	Max	-1313.88	204.18	-1.110E-16
83	0.23852	SLV-CALOTTA	Max	-1305.094	198.47	-8.104E-16
83	0.47704	SLV-CALOTTA	Max	-1296.307	192.759	-1.510E-15
83	0.	SLV-CALOTTA	Min	-1313.88	204.18	-1.110E-16
83	0.23852	SLV-CALOTTA	Min	-1305.094	198.47	-8.104E-16
83	0.47704	SLV-CALOTTA	Min	-1296.307	192.759	-1.510E-15
84	0.	SLE-DRENO	Max	-784.064	176.418	9.948E-14
84	0.23852	SLE-DRENO	Max	-782.948	169.957	9.868E-14
84	0.47704	SLE-DRENO	Max	-781.832	163.495	9.789E-14
84	0.	SLE-DRENO	Min	-784.064	176.418	9.948E-14
84	0.23852	SLE-DRENO	Min	-782.948	169.957	9.868E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
84	0.47704	SLE-DRENO	Min	-781.832	163.495	9.789E-14
84	0.	SLU-DRENO	Max	-1019.24	229.332	-1.151E-13
84	0.23852	SLU-DRENO	Max	-1017.789	220.932	-1.161E-13
84	0.47704	SLU-DRENO	Max	-1016.338	212.532	-1.171E-13
84	0.	SLU-DRENO	Min	-1019.24	229.332	-1.151E-13
84	0.23852	SLU-DRENO	Min	-1017.789	220.932	-1.161E-13
84	0.47704	SLU-DRENO	Min	-1016.338	212.532	-1.171E-13
84	0.	SLV-DRENO	Max	-1130.929	175.496	0.
84	0.23852	SLV-DRENO	Max	-1122.366	169.455	-7.397E-16
84	0.47704	SLV-DRENO	Max	-1113.803	163.415	-1.479E-15
84	0.	SLV-DRENO	Min	-1130.929	175.496	0.
84	0.23852	SLV-DRENO	Min	-1122.366	169.455	-7.397E-16
84	0.47704	SLV-DRENO	Min	-1113.803	163.415	-1.479E-15
84	0.	SLE-CALOTTA	Max	-948.89	193.027	-1.137E-13
84	0.23852	SLE-CALOTTA	Max	-947.773	186.565	-1.145E-13
84	0.47704	SLE-CALOTTA	Max	-946.657	180.104	-1.153E-13
84	0.	SLE-CALOTTA	Min	-948.89	193.027	-1.137E-13
84	0.23852	SLE-CALOTTA	Min	-947.773	186.565	-1.145E-13
84	0.47704	SLE-CALOTTA	Min	-946.657	180.104	-1.153E-13
84	0.	SLU-CALOTTA	Max	-1233.513	250.928	-5.701E-14
84	0.23852	SLU-CALOTTA	Max	-1232.062	242.528	-5.804E-14
84	0.47704	SLU-CALOTTA	Max	-1230.611	234.128	-5.907E-14
84	0.	SLU-CALOTTA	Min	-1233.513	250.928	-5.701E-14
84	0.23852	SLU-CALOTTA	Min	-1232.062	242.528	-5.804E-14
84	0.47704	SLU-CALOTTA	Min	-1230.611	234.128	-5.907E-14
84	0.	SLV-CALOTTA	Max	-1315.056	189.183	-4.547E-13
84	0.23852	SLV-CALOTTA	Max	-1306.493	183.143	-4.555E-13
84	0.47704	SLV-CALOTTA	Max	-1297.93	177.103	-4.562E-13
84	0.	SLV-CALOTTA	Min	-1315.056	189.183	-4.547E-13
84	0.23852	SLV-CALOTTA	Min	-1306.493	183.143	-4.555E-13
84	0.47704	SLV-CALOTTA	Min	-1297.93	177.103	-4.562E-13
85	0.	SLE-DRENO	Max	-779.919	145.622	-5.723E-14
85	0.23852	SLE-DRENO	Max	-779.049	139.123	-5.803E-14
85	0.47704	SLE-DRENO	Max	-778.179	132.624	-5.882E-14
85	0.	SLE-DRENO	Min	-779.919	145.622	-5.723E-14
85	0.23852	SLE-DRENO	Min	-779.049	139.123	-5.803E-14
85	0.47704	SLE-DRENO	Min	-778.179	132.624	-5.882E-14
85	0.	SLU-DRENO	Max	-1013.851	189.298	-5.917E-14
85	0.23852	SLU-DRENO	Max	-1012.721	180.848	-6.021E-14
85	0.47704	SLU-DRENO	Max	-1011.59	172.399	-6.124E-14
85	0.	SLU-DRENO	Min	-1013.851	189.298	-5.917E-14
85	0.23852	SLU-DRENO	Min	-1012.721	180.848	-6.021E-14
85	0.47704	SLU-DRENO	Min	-1011.59	172.399	-6.124E-14
85	0.	SLV-DRENO	Max	-1133.406	165.787	-2.274E-13
85	0.23852	SLV-DRENO	Max	-1125.079	159.426	-2.282E-13
85	0.47704	SLV-DRENO	Max	-1116.751	153.065	-2.289E-13
85	0.	SLV-DRENO	Min	-1133.406	165.787	-2.274E-13
85	0.23852	SLV-DRENO	Min	-1125.079	159.426	-2.282E-13
85	0.47704	SLV-DRENO	Min	-1116.751	153.065	-2.289E-13
85	0.	SLE-CALOTTA	Max	-944.206	157.414	-3.411E-13
85	0.23852	SLE-CALOTTA	Max	-943.336	150.914	-3.419E-13
85	0.47704	SLE-CALOTTA	Max	-942.466	144.415	-3.427E-13
85	0.	SLE-CALOTTA	Min	-944.206	157.414	-3.411E-13
85	0.23852	SLE-CALOTTA	Min	-943.336	150.914	-3.419E-13
85	0.47704	SLE-CALOTTA	Min	-942.466	144.415	-3.427E-13
85	0.	SLU-CALOTTA	Max	-1227.424	204.63	-1.137E-13
85	0.23852	SLU-CALOTTA	Max	-1226.294	196.181	-1.148E-13
85	0.47704	SLU-CALOTTA	Max	-1225.163	187.732	-1.158E-13
85	0.	SLU-CALOTTA	Min	-1227.424	204.63	-1.137E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
85	0.23852	SLU-CALOTTA	Min	-1226.294	196.181	-1.148E-13
85	0.47704	SLU-CALOTTA	Min	-1225.163	187.732	-1.158E-13
85	0.	SLV-CALOTTA	Max	-1315.819	171.601	4.547E-13
85	0.23852	SLV-CALOTTA	Max	-1307.492	165.239	4.540E-13
85	0.47704	SLV-CALOTTA	Max	-1299.164	158.878	4.532E-13
85	0.	SLV-CALOTTA	Min	-1315.819	171.601	4.547E-13
85	0.23852	SLV-CALOTTA	Min	-1307.492	165.239	4.540E-13
85	0.47704	SLV-CALOTTA	Min	-1299.164	158.878	4.532E-13
86	0.	SLE-DRENO	Max	-776.465	114.058	-1.421E-14
86	0.23852	SLE-DRENO	Max	-775.843	107.53	-1.501E-14
86	0.47704	SLE-DRENO	Max	-775.221	101.002	-1.581E-14
86	0.	SLE-DRENO	Min	-776.465	114.058	-1.421E-14
86	0.23852	SLE-DRENO	Min	-775.843	107.53	-1.501E-14
86	0.47704	SLE-DRENO	Min	-775.221	101.002	-1.581E-14
86	0.	SLU-DRENO	Max	-1009.363	148.264	-1.151E-13
86	0.23852	SLU-DRENO	Max	-1008.554	139.778	-1.161E-13
86	0.47704	SLU-DRENO	Max	-1007.745	131.292	-1.172E-13
86	0.	SLU-DRENO	Min	-1009.363	148.264	-1.151E-13
86	0.23852	SLU-DRENO	Min	-1008.554	139.778	-1.161E-13
86	0.47704	SLU-DRENO	Min	-1007.745	131.292	-1.172E-13
86	0.	SLV-DRENO	Max	-1134.953	154.26	-1.708E-13
86	0.23852	SLV-DRENO	Max	-1126.873	147.586	-1.716E-13
86	0.47704	SLV-DRENO	Max	-1118.794	140.913	-1.724E-13
86	0.	SLV-DRENO	Min	-1134.953	154.26	-1.708E-13
86	0.23852	SLV-DRENO	Min	-1126.873	147.586	-1.716E-13
86	0.47704	SLV-DRENO	Min	-1118.794	140.913	-1.724E-13
86	0.	SLE-CALOTTA	Max	-940.394	121.211	1.136E-13
86	0.23852	SLE-CALOTTA	Max	-939.771	114.683	1.128E-13
86	0.47704	SLE-CALOTTA	Max	-939.149	108.156	1.120E-13
86	0.	SLE-CALOTTA	Min	-940.394	121.211	1.136E-13
86	0.23852	SLE-CALOTTA	Min	-939.771	114.683	1.128E-13
86	0.47704	SLE-CALOTTA	Min	-939.149	108.156	1.120E-13
86	0.	SLU-CALOTTA	Max	-1222.469	157.566	-5.551E-17
86	0.23852	SLU-CALOTTA	Max	-1221.66	149.08	-1.095E-15
86	0.47704	SLU-CALOTTA	Max	-1220.851	140.594	-2.134E-15
86	0.	SLU-CALOTTA	Min	-1222.469	157.566	-5.551E-17
86	0.23852	SLU-CALOTTA	Min	-1221.66	149.08	-1.095E-15
86	0.47704	SLU-CALOTTA	Min	-1220.851	140.594	-2.134E-15
86	0.	SLV-CALOTTA	Max	-1316.235	151.486	2.274E-13
86	0.23852	SLV-CALOTTA	Max	-1308.156	144.813	2.266E-13
86	0.47704	SLV-CALOTTA	Max	-1300.076	138.14	2.257E-13
86	0.	SLV-CALOTTA	Min	-1316.235	151.486	2.274E-13
86	0.23852	SLV-CALOTTA	Min	-1308.156	144.813	2.266E-13
86	0.47704	SLV-CALOTTA	Min	-1300.076	138.14	2.257E-13
87	0.	SLE-DRENO	Max	-773.729	81.851	-9.942E-14
87	0.23852	SLE-DRENO	Max	-773.355	75.304	-1.002E-13
87	0.47704	SLE-DRENO	Max	-772.981	68.758	-1.010E-13
87	0.	SLE-DRENO	Min	-773.729	81.851	-9.942E-14
87	0.23852	SLE-DRENO	Min	-773.355	75.304	-1.002E-13
87	0.47704	SLE-DRENO	Min	-772.981	68.758	-1.010E-13
87	0.	SLU-DRENO	Max	-1005.807	106.396	-5.673E-14
87	0.23852	SLU-DRENO	Max	-1005.321	97.886	-5.777E-14
87	0.47704	SLU-DRENO	Max	-1004.835	89.375	-5.882E-14
87	0.	SLU-DRENO	Min	-1005.807	106.396	-5.673E-14
87	0.23852	SLU-DRENO	Min	-1005.321	97.886	-5.777E-14
87	0.47704	SLU-DRENO	Min	-1004.835	89.375	-5.882E-14
87	0.	SLV-DRENO	Max	-1135.561	140.817	-2.220E-16
87	0.23852	SLV-DRENO	Max	-1127.741	133.841	-1.076E-15
87	0.47704	SLV-DRENO	Max	-1119.921	126.866	-1.931E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
87	0.	SLV-DRENO	Min	-1135.561	140.817	-2.220E-16
87	0.23852	SLV-DRENO	Min	-1127.741	133.841	-1.076E-15
87	0.47704	SLV-DRENO	Min	-1119.921	126.866	-1.931E-15
87	0.	SLE-CALOTTA	Max	-937.471	84.506	1.136E-13
87	0.23852	SLE-CALOTTA	Max	-937.098	77.96	1.128E-13
87	0.47704	SLE-CALOTTA	Max	-936.724	71.413	1.120E-13
87	0.	SLE-CALOTTA	Min	-937.471	84.506	1.136E-13
87	0.23852	SLE-CALOTTA	Min	-937.098	77.96	1.128E-13
87	0.47704	SLE-CALOTTA	Min	-936.724	71.413	1.120E-13
87	0.	SLU-CALOTTA	Max	-1218.67	109.85	-2.848E-14
87	0.23852	SLU-CALOTTA	Max	-1218.185	101.339	-2.952E-14
87	0.47704	SLU-CALOTTA	Max	-1217.699	92.828	-3.056E-14
87	0.	SLU-CALOTTA	Min	-1218.67	109.85	-2.848E-14
87	0.23852	SLU-CALOTTA	Min	-1218.185	101.339	-2.952E-14
87	0.47704	SLU-CALOTTA	Min	-1217.699	92.828	-3.056E-14
87	0.	SLV-CALOTTA	Max	-1316.374	128.894	-9.095E-13
87	0.23852	SLV-CALOTTA	Max	-1308.554	121.919	-9.103E-13
87	0.47704	SLV-CALOTTA	Max	-1300.734	114.944	-9.112E-13
87	0.	SLV-CALOTTA	Min	-1316.374	128.894	-9.095E-13
87	0.23852	SLV-CALOTTA	Min	-1308.554	121.919	-9.103E-13
87	0.47704	SLV-CALOTTA	Min	-1300.734	114.944	-9.112E-13
88	0.	SLE-DRENO	Max	-771.73	49.125	-1.427E-14
88	0.23852	SLE-DRENO	Max	-771.605	42.569	-1.507E-14
88	0.47704	SLE-DRENO	Max	-771.48	36.013	-1.587E-14
88	0.	SLE-DRENO	Min	-771.73	49.125	-1.427E-14
88	0.23852	SLE-DRENO	Min	-771.605	42.569	-1.507E-14
88	0.47704	SLE-DRENO	Min	-771.48	36.013	-1.587E-14
88	0.	SLU-DRENO	Max	-1003.208	63.853	-5.684E-14
88	0.23852	SLU-DRENO	Max	-1003.046	55.33	-5.789E-14
88	0.47704	SLU-DRENO	Max	-1002.884	46.807	-5.893E-14
88	0.	SLU-DRENO	Min	-1003.208	63.853	-5.684E-14
88	0.23852	SLU-DRENO	Min	-1003.046	55.33	-5.789E-14
88	0.47704	SLU-DRENO	Min	-1002.884	46.807	-5.893E-14
88	0.	SLV-DRENO	Max	-1135.25	125.349	1.139E-13
88	0.23852	SLV-DRENO	Max	-1127.701	118.082	1.130E-13
88	0.47704	SLV-DRENO	Max	-1120.152	110.814	1.121E-13
88	0.	SLV-DRENO	Min	-1135.25	125.349	1.139E-13
88	0.23852	SLV-DRENO	Min	-1127.701	118.082	1.130E-13
88	0.47704	SLV-DRENO	Min	-1120.152	110.814	1.121E-13
88	0.	SLE-CALOTTA	Max	-935.455	47.381	-1.137E-13
88	0.23852	SLE-CALOTTA	Max	-935.331	40.825	-1.145E-13
88	0.47704	SLE-CALOTTA	Max	-935.206	34.269	-1.153E-13
88	0.	SLE-CALOTTA	Min	-935.455	47.381	-1.137E-13
88	0.23852	SLE-CALOTTA	Min	-935.331	40.825	-1.145E-13
88	0.47704	SLE-CALOTTA	Min	-935.206	34.269	-1.153E-13
88	0.	SLU-CALOTTA	Max	-1216.05	61.587	-2.842E-14
88	0.23852	SLU-CALOTTA	Max	-1215.888	53.064	-2.947E-14
88	0.47704	SLU-CALOTTA	Max	-1215.726	44.541	-3.051E-14
88	0.	SLU-CALOTTA	Min	-1216.05	61.587	-2.842E-14
88	0.23852	SLU-CALOTTA	Min	-1215.888	53.064	-2.947E-14
88	0.47704	SLU-CALOTTA	Min	-1215.726	44.541	-3.051E-14
88	0.	SLV-CALOTTA	Max	-1316.312	103.849	-1.110E-16
88	0.23852	SLV-CALOTTA	Max	-1308.762	96.581	-1.001E-15
88	0.47704	SLV-CALOTTA	Max	-1301.213	89.314	-1.891E-15
88	0.	SLV-CALOTTA	Min	-1316.312	103.849	-1.110E-16
88	0.23852	SLV-CALOTTA	Min	-1308.762	96.581	-1.001E-15
88	0.47704	SLV-CALOTTA	Min	-1301.213	89.314	-1.891E-15



**Table 21: Element Forces - Frames, Part 2 of 2**

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
1	0.	SLE-DRENO	Max	-1.588E-13	-2.852E-14	274.4381
1	0.24678	SLE-DRENO	Max	-1.588E-13	-1.138E-14	262.5607
1	0.49356	SLE-DRENO	Max	-1.588E-13	5.758E-15	249.1623
1	0.	SLE-DRENO	Min	-1.588E-13	-2.852E-14	274.4381
1	0.24678	SLE-DRENO	Min	-1.588E-13	-1.138E-14	262.5607
1	0.49356	SLE-DRENO	Min	-1.588E-13	5.758E-15	249.1623
1	0.	SLU-DRENO	Max	-2.049E-13	-3.971E-14	356.7679
1	0.24678	SLU-DRENO	Max	-2.049E-13	-2.188E-14	341.3297
1	0.49356	SLU-DRENO	Max	-2.049E-13	-4.046E-15	323.9141
1	0.	SLU-DRENO	Min	-2.049E-13	-3.971E-14	356.7679
1	0.24678	SLU-DRENO	Min	-2.049E-13	-2.188E-14	341.3297
1	0.49356	SLU-DRENO	Min	-2.049E-13	-4.046E-15	323.9141
1	0.	SLV-DRENO	Max	-2.614E-13	-6.047E-14	5.9064
1	0.24678	SLV-DRENO	Max	-2.614E-13	-3.590E-14	-21.7516
1	0.49356	SLV-DRENO	Max	-2.614E-13	-1.133E-14	-51.064
1	0.	SLV-DRENO	Min	-2.614E-13	-6.047E-14	5.9064
1	0.24678	SLV-DRENO	Min	-2.614E-13	-3.590E-14	-21.7516
1	0.49356	SLV-DRENO	Min	-2.614E-13	-1.133E-14	-51.064
1	0.	SLE-CALOTTA	Max	-9.068E-14	-2.134E-14	225.1312
1	0.24678	SLE-CALOTTA	Max	-9.068E-14	-1.080E-14	214.5206
1	0.49356	SLE-CALOTTA	Max	-9.068E-14	-2.729E-16	202.389
1	0.	SLE-CALOTTA	Min	-9.068E-14	-2.134E-14	225.1312
1	0.24678	SLE-CALOTTA	Min	-9.068E-14	-1.080E-14	214.5206
1	0.49356	SLE-CALOTTA	Min	-9.068E-14	-2.729E-16	202.389
1	0.	SLU-CALOTTA	Max	-1.191E-13	-2.312E-14	292.688
1	0.24678	SLU-CALOTTA	Max	-1.191E-13	-1.434E-14	278.8962
1	0.49356	SLU-CALOTTA	Max	-1.191E-13	-5.561E-15	263.1271
1	0.	SLU-CALOTTA	Min	-1.191E-13	-2.312E-14	292.688
1	0.24678	SLU-CALOTTA	Min	-1.191E-13	-1.434E-14	278.8962
1	0.49356	SLU-CALOTTA	Min	-1.191E-13	-5.561E-15	263.1271
1	0.	SLV-CALOTTA	Max	-1.458E-13	-4.268E-14	-130.0254
1	0.24678	SLV-CALOTTA	Max	-1.458E-13	-3.214E-14	-149.3159
1	0.49356	SLV-CALOTTA	Max	-1.458E-13	-2.161E-14	-170.2608
1	0.	SLV-CALOTTA	Min	-1.458E-13	-4.268E-14	-130.0254
1	0.24678	SLV-CALOTTA	Min	-1.458E-13	-3.214E-14	-149.3159
1	0.49356	SLV-CALOTTA	Min	-1.458E-13	-2.161E-14	-170.2608
2	0.	SLE-DRENO	Max	-1.606E-13	8.674E-18	249.1623
2	0.24678	SLE-DRENO	Max	-1.606E-13	1.802E-14	234.7827
2	0.49356	SLE-DRENO	Max	-1.606E-13	3.604E-14	218.8906
2	0.	SLE-DRENO	Min	-1.606E-13	8.674E-18	249.1623
2	0.24678	SLE-DRENO	Min	-1.606E-13	1.802E-14	234.7827
2	0.49356	SLE-DRENO	Min	-1.606E-13	3.604E-14	218.8906
2	0.	SLU-DRENO	Max	-2.031E-13	3.591E-15	323.9141
2	0.24678	SLU-DRENO	Max	-2.031E-13	2.140E-14	305.223
2	0.49356	SLU-DRENO	Max	-2.031E-13	3.920E-14	284.5656
2	0.	SLU-DRENO	Min	-2.031E-13	3.591E-15	323.9141
2	0.24678	SLU-DRENO	Min	-2.031E-13	2.140E-14	305.223
2	0.49356	SLU-DRENO	Min	-2.031E-13	3.920E-14	284.5656
2	0.	SLV-DRENO	Max	-2.649E-13	-7.119E-15	-51.1642
2	0.24678	SLV-DRENO	Max	-2.649E-13	1.570E-14	-77.8073
2	0.49356	SLV-DRENO	Max	-2.649E-13	3.851E-14	-105.967
2	0.	SLV-DRENO	Min	-2.649E-13	-7.119E-15	-51.1642
2	0.24678	SLV-DRENO	Min	-2.649E-13	1.570E-14	-77.8073
2	0.49356	SLV-DRENO	Min	-2.649E-13	3.851E-14	-105.967
2	0.	SLE-CALOTTA	Max	-9.246E-14	0.	202.389
2	0.24678	SLE-CALOTTA	Max	-9.246E-14	7.019E-15	190.1528
2	0.49356	SLE-CALOTTA	Max	-9.246E-14	1.404E-14	176.4041

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
2	0.	SLE-CALOTTA	Min	-9.246E-14	0.	202.389
2	0.24678	SLE-CALOTTA	Min	-9.246E-14	7.019E-15	190.1528
2	0.49356	SLE-CALOTTA	Min	-9.246E-14	1.404E-14	176.4041
2	0.	SLU-CALOTTA	Max	-1.191E-13	1.735E-18	263.1271
2	0.24678	SLU-CALOTTA	Max	-1.191E-13	8.779E-15	247.2218
2	0.49356	SLU-CALOTTA	Max	-1.191E-13	1.756E-14	229.3502
2	0.	SLV-CALOTTA	Min	-1.191E-13	1.735E-18	263.1271
2	0.24678	SLV-CALOTTA	Min	-1.191E-13	8.779E-15	247.2218
2	0.49356	SLV-CALOTTA	Min	-1.191E-13	1.756E-14	229.3502
2	0.	SLV-CALOTTA	Max	-1.458E-13	-3.564E-15	-170.3609
2	0.24678	SLV-CALOTTA	Max	-1.458E-13	3.461E-15	-187.1636
2	0.49356	SLV-CALOTTA	Max	-1.458E-13	1.049E-14	-205.4829
2	0.	SLV-CALOTTA	Min	-1.458E-13	-3.564E-15	-170.3609
2	0.24678	SLV-CALOTTA	Min	-1.458E-13	3.461E-15	-187.1636
2	0.49356	SLV-CALOTTA	Min	-1.458E-13	1.049E-14	-205.4829
3	0.	SLE-DRENO	Max	-1.581E-13	4.186E-14	218.8906
3	0.24678	SLE-DRENO	Max	-1.581E-13	5.154E-14	202.3293
3	0.49356	SLE-DRENO	Max	-1.581E-13	6.123E-14	184.2725
3	0.	SLE-DRENO	Min	-1.581E-13	4.186E-14	218.8906
3	0.24678	SLE-DRENO	Min	-1.581E-13	5.154E-14	202.3293
3	0.49356	SLE-DRENO	Min	-1.581E-13	6.123E-14	184.2725
3	0.	SLU-DRENO	Max	-2.013E-13	5.054E-14	284.5656
3	0.24678	SLU-DRENO	Max	-2.013E-13	6.480E-14	263.0382
3	0.49356	SLU-DRENO	Max	-2.013E-13	7.907E-14	239.5666
3	0.	SLU-DRENO	Min	-2.013E-13	5.054E-14	284.5656
3	0.24678	SLU-DRENO	Min	-2.013E-13	6.480E-14	263.0382
3	0.49356	SLU-DRENO	Min	-2.013E-13	7.907E-14	239.5666
3	0.	SLV-DRENO	Max	-2.578E-13	5.334E-14	-106.2669
3	0.24678	SLV-DRENO	Max	-2.578E-13	7.264E-14	-131.3147
3	0.49356	SLV-DRENO	Max	-2.578E-13	9.194E-14	-157.7327
3	0.	SLV-DRENO	Min	-2.578E-13	5.334E-14	-106.2669
3	0.24678	SLV-DRENO	Min	-2.578E-13	7.264E-14	-131.3147
3	0.49356	SLV-DRENO	Min	-2.578E-13	9.194E-14	-157.7327
3	0.	SLE-CALOTTA	Max	-9.068E-14	7.126E-15	176.4041
3	0.24678	SLE-CALOTTA	Max	-9.068E-14	2.116E-14	162.8499
3	0.49356	SLE-CALOTTA	Max	-9.068E-14	3.519E-14	147.8
3	0.	SLE-CALOTTA	Min	-9.068E-14	7.126E-15	176.4041
3	0.24678	SLE-CALOTTA	Min	-9.068E-14	2.116E-14	162.8499
3	0.49356	SLE-CALOTTA	Min	-9.068E-14	3.519E-14	147.8
3	0.	SLU-CALOTTA	Max	-1.165E-13	3.022E-14	229.3502
3	0.24678	SLU-CALOTTA	Max	-1.165E-13	3.900E-14	211.7311
3	0.49356	SLU-CALOTTA	Max	-1.165E-13	4.778E-14	192.1677
3	0.	SLU-CALOTTA	Min	-1.165E-13	3.022E-14	229.3502
3	0.24678	SLU-CALOTTA	Min	-1.165E-13	3.900E-14	211.7311
3	0.49356	SLU-CALOTTA	Min	-1.165E-13	4.778E-14	192.1677
3	0.	SLV-CALOTTA	Max	-1.493E-13	2.134E-14	-205.7828
3	0.24678	SLV-CALOTTA	Max	-1.493E-13	3.187E-14	-219.4266
3	0.49356	SLV-CALOTTA	Max	-1.493E-13	4.240E-14	-234.4407
3	0.	SLV-CALOTTA	Min	-1.493E-13	2.134E-14	-205.7828
3	0.24678	SLV-CALOTTA	Min	-1.493E-13	3.187E-14	-219.4266
3	0.49356	SLV-CALOTTA	Min	-1.493E-13	4.240E-14	-234.4407
4	0.	SLE-DRENO	Max	-1.519E-13	6.861E-14	184.2725
4	0.24678	SLE-DRENO	Max	-1.519E-13	8.135E-14	165.8746
4	0.49356	SLE-DRENO	Max	-1.519E-13	9.409E-14	146.0065
4	0.	SLE-DRENO	Min	-1.519E-13	6.861E-14	184.2725
4	0.24678	SLE-DRENO	Min	-1.519E-13	8.135E-14	165.8746
4	0.49356	SLE-DRENO	Min	-1.519E-13	9.409E-14	146.0065
4	0.	SLU-DRENO	Max	-1.959E-13	9.024E-14	239.5666
4	0.24678	SLU-DRENO	Max	-1.959E-13	1.063E-13	215.6516

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
4	0.49356	SLU-DRENO	Max	-1.959E-13	1.223E-13	189.8252
4	0.	SLU-DRENO	Min	-1.959E-13	9.024E-14	239.5666
4	0.24678	SLU-DRENO	Min	-1.959E-13	1.063E-13	215.6516
4	0.49356	SLU-DRENO	Min	-1.959E-13	1.223E-13	189.8252
4	0.	SLV-DRENO	Max	-2.578E-13	1.085E-13	-158.2307
4	0.24678	SLV-DRENO	Max	-2.578E-13	1.278E-13	-181.0685
4	0.49356	SLV-DRENO	Max	-2.578E-13	1.471E-13	-205.1225
4	0.	SLV-DRENO	Min	-2.578E-13	1.085E-13	-158.2307
4	0.24678	SLV-DRENO	Min	-2.578E-13	1.278E-13	-181.0685
4	0.49356	SLV-DRENO	Min	-2.578E-13	1.471E-13	-205.1225
4	0.	SLE-CALOTTA	Max	-8.357E-14	3.557E-14	147.8
4	0.24678	SLE-CALOTTA	Max	-8.357E-14	3.557E-14	133.2519
4	0.49356	SLE-CALOTTA	Max	-8.357E-14	3.558E-14	117.2335
4	0.	SLE-CALOTTA	Min	-8.357E-14	3.557E-14	147.8
4	0.24678	SLE-CALOTTA	Min	-8.357E-14	3.557E-14	133.2519
4	0.49356	SLE-CALOTTA	Min	-8.357E-14	3.558E-14	117.2335
4	0.	SLU-CALOTTA	Max	-1.147E-13	5.245E-14	192.1677
4	0.24678	SLU-CALOTTA	Max	-1.147E-13	6.123E-14	173.2562
4	0.49356	SLU-CALOTTA	Max	-1.147E-13	7.000E-14	152.4334
4	0.	SLU-CALOTTA	Min	-1.147E-13	5.245E-14	192.1677
4	0.24678	SLU-CALOTTA	Min	-1.147E-13	6.123E-14	173.2562
4	0.49356	SLU-CALOTTA	Min	-1.147E-13	7.000E-14	152.4334
4	0.	SLV-CALOTTA	Max	-1.458E-13	5.334E-14	-234.9387
4	0.24678	SLV-CALOTTA	Max	-1.458E-13	6.387E-14	-244.6468
4	0.49356	SLV-CALOTTA	Max	-1.458E-13	7.440E-14	-255.5711
4	0.	SLV-CALOTTA	Min	-1.458E-13	5.334E-14	-234.9387
4	0.24678	SLV-CALOTTA	Min	-1.458E-13	6.387E-14	-244.6468
4	0.49356	SLV-CALOTTA	Min	-1.458E-13	7.440E-14	-255.5711
5	0.	SLE-DRENO	Max	-1.499E-13	1.158E-13	146.0065
5	0.24678	SLE-DRENO	Max	-1.499E-13	1.180E-13	126.1392
5	0.49356	SLE-DRENO	Max	-1.499E-13	1.202E-13	104.8352
5	0.	SLE-DRENO	Min	-1.499E-13	1.158E-13	146.0065
5	0.24678	SLE-DRENO	Min	-1.499E-13	1.180E-13	126.1392
5	0.49356	SLE-DRENO	Min	-1.499E-13	1.202E-13	104.8352
5	0.	SLU-DRENO	Max	-1.860E-13	1.390E-13	189.8252
5	0.24678	SLU-DRENO	Max	-1.860E-13	1.497E-13	163.9997
5	0.49356	SLU-DRENO	Max	-1.860E-13	1.604E-13	136.3064
5	0.	SLU-DRENO	Min	-1.860E-13	1.390E-13	189.8252
5	0.24678	SLU-DRENO	Min	-1.860E-13	1.497E-13	163.9997
5	0.49356	SLU-DRENO	Min	-1.860E-13	1.604E-13	136.3064
5	0.	SLV-DRENO	Max	-2.436E-13	1.707E-13	-205.8159
5	0.24678	SLV-DRENO	Max	-2.436E-13	1.865E-13	-225.7997
5	0.49356	SLV-DRENO	Max	-2.436E-13	2.023E-13	-246.8388
5	0.	SLV-DRENO	Min	-2.436E-13	1.707E-13	-205.8159
5	0.24678	SLV-DRENO	Min	-2.436E-13	1.865E-13	-225.7997
5	0.49356	SLV-DRENO	Min	-2.436E-13	2.023E-13	-246.8388
5	0.	SLE-CALOTTA	Max	-8.357E-14	6.046E-14	117.2335
5	0.24678	SLE-CALOTTA	Max	-8.357E-14	6.747E-14	102.0263
5	0.49356	SLE-CALOTTA	Max	-8.357E-14	7.449E-14	85.3824
5	0.	SLE-CALOTTA	Min	-8.357E-14	6.046E-14	117.2335
5	0.24678	SLE-CALOTTA	Min	-8.357E-14	6.747E-14	102.0263
5	0.49356	SLE-CALOTTA	Min	-8.357E-14	7.449E-14	85.3824
5	0.	SLU-CALOTTA	Max	-1.076E-13	8.001E-14	152.4334
5	0.24678	SLU-CALOTTA	Max	-1.076E-13	8.527E-14	132.6647
5	0.49356	SLU-CALOTTA	Max	-1.076E-13	9.054E-14	111.0283
5	0.	SLU-CALOTTA	Min	-1.076E-13	8.001E-14	152.4334
5	0.24678	SLU-CALOTTA	Min	-1.076E-13	8.527E-14	132.6647
5	0.49356	SLU-CALOTTA	Min	-1.076E-13	9.054E-14	111.0283
5	0.	SLV-CALOTTA	Max	-1.351E-13	8.712E-14	-256.2645

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
5	0.24678	SLV-CALOTTA	Max	-1.351E-13	9.765E-14	-261.1837
5	0.49356	SLV-CALOTTA	Max	-1.351E-13	1.082E-13	-267.1583
5	0.	SLV-CALOTTA	Min	-1.351E-13	8.712E-14	-256.2645
5	0.24678	SLV-CALOTTA	Min	-1.351E-13	9.765E-14	-261.1837
5	0.49356	SLV-CALOTTA	Min	-1.351E-13	1.082E-13	-267.1583
6	0.	SLE-DRENO	Max	-1.374E-13	1.363E-13	104.8352
6	0.24678	SLE-DRENO	Max	-1.374E-13	1.460E-13	83.8862
6	0.49356	SLE-DRENO	Max	-1.374E-13	1.556E-13	61.5421
6	0.	SLE-DRENO	Min	-1.374E-13	1.363E-13	104.8352
6	0.24678	SLE-DRENO	Min	-1.374E-13	1.460E-13	83.8862
6	0.49356	SLE-DRENO	Min	-1.374E-13	1.556E-13	61.5421
6	0.	SLU-DRENO	Max	-1.752E-13	1.733E-13	136.3064
6	0.24678	SLU-DRENO	Max	-1.752E-13	1.840E-13	109.0744
6	0.49356	SLU-DRENO	Max	-1.752E-13	1.947E-13	80.0289
6	0.	SLU-DRENO	Min	-1.752E-13	1.733E-13	136.3064
6	0.24678	SLU-DRENO	Min	-1.752E-13	1.840E-13	109.0744
6	0.49356	SLU-DRENO	Min	-1.752E-13	1.947E-13	80.0289
6	0.	SLV-DRENO	Max	-2.303E-13	2.151E-13	-247.7236
6	0.24678	SLV-DRENO	Max	-2.303E-13	2.292E-13	-264.1829
6	0.49356	SLV-DRENO	Max	-2.303E-13	2.432E-13	-281.5308
6	0.	SLV-DRENO	Min	-2.303E-13	2.151E-13	-247.7236
6	0.24678	SLV-DRENO	Min	-2.303E-13	2.292E-13	-264.1829
6	0.49356	SLV-DRENO	Min	-2.303E-13	2.432E-13	-281.5308
6	0.	SLE-CALOTTA	Max	-8.179E-14	8.179E-14	85.3824
6	0.24678	SLE-CALOTTA	Max	-8.179E-14	8.880E-14	69.856
6	0.49356	SLE-CALOTTA	Max	-8.179E-14	9.582E-14	52.9345
6	0.	SLE-CALOTTA	Min	-8.179E-14	8.179E-14	85.3824
6	0.24678	SLE-CALOTTA	Min	-8.179E-14	8.880E-14	69.856
6	0.49356	SLE-CALOTTA	Min	-8.179E-14	9.582E-14	52.9345
6	0.	SLU-CALOTTA	Max	-1.014E-13	1.005E-13	111.0283
6	0.24678	SLU-CALOTTA	Max	-1.014E-13	1.066E-13	90.8442
6	0.49356	SLU-CALOTTA	Max	-1.014E-13	1.127E-13	68.8465
6	0.	SLU-CALOTTA	Min	-1.014E-13	1.005E-13	111.0283
6	0.24678	SLU-CALOTTA	Min	-1.014E-13	1.066E-13	90.8442
6	0.49356	SLU-CALOTTA	Min	-1.014E-13	1.127E-13	68.8465
6	0.	SLV-CALOTTA	Max	-1.316E-13	1.156E-13	-268.0431
6	0.24678	SLV-CALOTTA	Max	-1.316E-13	1.279E-13	-267.4798
6	0.49356	SLV-CALOTTA	Max	-1.316E-13	1.401E-13	-267.8052
6	0.	SLV-CALOTTA	Min	-1.316E-13	1.156E-13	-268.0431
6	0.24678	SLV-CALOTTA	Min	-1.316E-13	1.279E-13	-267.4798
6	0.49356	SLV-CALOTTA	Min	-1.316E-13	1.401E-13	-267.8052
7	0.	SLE-DRENO	Max	-1.229E-13	1.573E-13	61.5421
7	0.24678	SLE-DRENO	Max	-1.229E-13	1.704E-13	39.9202
7	0.49356	SLE-DRENO	Max	-1.229E-13	1.836E-13	16.9525
7	0.	SLE-DRENO	Min	-1.229E-13	1.573E-13	61.5421
7	0.24678	SLE-DRENO	Min	-1.229E-13	1.704E-13	39.9202
7	0.49356	SLE-DRENO	Min	-1.229E-13	1.836E-13	16.9525
7	0.	SLU-DRENO	Max	-1.598E-13	2.076E-13	80.0289
7	0.24678	SLU-DRENO	Max	-1.598E-13	2.201E-13	51.9217
7	0.49356	SLU-DRENO	Max	-1.598E-13	2.325E-13	22.0652
7	0.	SLU-DRENO	Min	-1.598E-13	2.076E-13	80.0289
7	0.24678	SLU-DRENO	Min	-1.598E-13	2.201E-13	51.9217
7	0.49356	SLU-DRENO	Min	-1.598E-13	2.325E-13	22.0652
7	0.	SLV-DRENO	Max	-2.071E-13	2.649E-13	-282.602
7	0.24678	SLV-DRENO	Max	-2.071E-13	2.825E-13	-294.8409
7	0.49356	SLV-DRENO	Max	-2.071E-13	3.000E-13	-307.7968
7	0.	SLV-DRENO	Min	-2.071E-13	2.649E-13	-282.602
7	0.24678	SLV-DRENO	Min	-2.071E-13	2.825E-13	-294.8409
7	0.49356	SLV-DRENO	Min	-2.071E-13	3.000E-13	-307.7968

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
7	0.	SLE-CALOTTA	Max	-6.934E-14	8.535E-14	52.9345
7	0.24678	SLE-CALOTTA	Max	-6.934E-14	9.588E-14	37.4288
7	0.49356	SLE-CALOTTA	Max	-6.934E-14	1.064E-13	20.5775
7	0.	SLE-CALOTTA	Min	-6.934E-14	8.535E-14	52.9345
7	0.24678	SLE-CALOTTA	Min	-6.934E-14	9.588E-14	37.4288
7	0.49356	SLE-CALOTTA	Min	-6.934E-14	1.064E-13	20.5775
7	0.	SLU-CALOTTA	Max	-9.246E-14	1.227E-13	68.8465
7	0.24678	SLU-CALOTTA	Max	-9.246E-14	1.288E-13	48.689
7	0.49356	SLU-CALOTTA	Max	-9.246E-14	1.350E-13	26.7821
7	0.	SLU-CALOTTA	Min	-9.246E-14	1.227E-13	68.8465
7	0.24678	SLU-CALOTTA	Min	-9.246E-14	1.288E-13	48.689
7	0.49356	SLU-CALOTTA	Min	-9.246E-14	1.350E-13	26.7821
7	0.	SLV-CALOTTA	Max	-1.174E-13	1.476E-13	-268.8765
7	0.24678	SLV-CALOTTA	Max	-1.174E-13	1.599E-13	-262.4475
7	0.49356	SLV-CALOTTA	Max	-1.174E-13	1.721E-13	-256.7355
7	0.	SLV-CALOTTA	Min	-1.174E-13	1.476E-13	-268.8765
7	0.24678	SLV-CALOTTA	Min	-1.174E-13	1.599E-13	-262.4475
7	0.49356	SLV-CALOTTA	Min	-1.174E-13	1.721E-13	-256.7355
8	0.	SLE-DRENO	Max	-1.156E-13	1.853E-13	16.9525
8	0.22535	SLE-DRENO	Max	-1.156E-13	1.905E-13	-6.326
8	0.45069	SLE-DRENO	Max	-1.156E-13	1.958E-13	-30.6944
8	0.	SLE-DRENO	Min	-1.156E-13	1.853E-13	16.9525
8	0.22535	SLE-DRENO	Min	-1.156E-13	1.905E-13	-6.326
8	0.45069	SLE-DRENO	Min	-1.156E-13	1.958E-13	-30.6944
8	0.	SLU-DRENO	Max	-1.454E-13	2.383E-13	22.0652
8	0.22535	SLU-DRENO	Max	-1.454E-13	2.465E-13	-8.1957
8	0.45069	SLU-DRENO	Max	-1.454E-13	2.546E-13	-39.8736
8	0.	SLU-DRENO	Min	-1.454E-13	2.383E-13	22.0652
8	0.22535	SLU-DRENO	Min	-1.454E-13	2.465E-13	-8.1957
8	0.45069	SLU-DRENO	Min	-1.454E-13	2.546E-13	-39.8736
8	0.	SLV-DRENO	Max	-1.938E-13	3.094E-13	-309.0485
8	0.22535	SLV-DRENO	Max	-1.938E-13	3.238E-13	-320.7524
8	0.45069	SLV-DRENO	Max	-1.938E-13	3.382E-13	-332.9534
8	0.	SLV-DRENO	Min	-1.938E-13	3.094E-13	-309.0485
8	0.22535	SLV-DRENO	Min	-1.938E-13	3.238E-13	-320.7524
8	0.45069	SLV-DRENO	Min	-1.938E-13	3.382E-13	-332.9534
8	0.	SLE-CALOTTA	Max	-6.401E-14	1.031E-13	20.5775
8	0.22535	SLE-CALOTTA	Max	-6.401E-14	1.095E-13	3.2429
8	0.45069	SLE-CALOTTA	Max	-6.401E-14	1.159E-13	-15.1817
8	0.	SLE-CALOTTA	Min	-6.401E-14	1.031E-13	20.5775
8	0.22535	SLE-CALOTTA	Min	-6.401E-14	1.095E-13	3.2429
8	0.45069	SLE-CALOTTA	Min	-6.401E-14	1.159E-13	-15.1817
8	0.	SLU-CALOTTA	Max	-8.535E-14	1.396E-13	26.7821
8	0.22535	SLU-CALOTTA	Max	-8.535E-14	1.436E-13	4.2466
8	0.45069	SLU-CALOTTA	Max	-8.535E-14	1.476E-13	-19.7059
8	0.	SLU-CALOTTA	Min	-8.535E-14	1.396E-13	26.7821
8	0.22535	SLU-CALOTTA	Min	-8.535E-14	1.436E-13	4.2466
8	0.45069	SLU-CALOTTA	Min	-8.535E-14	1.476E-13	-19.7059
8	0.	SLV-CALOTTA	Max	-1.102E-13	1.689E-13	-257.9873
8	0.22535	SLV-CALOTTA	Max	-1.102E-13	1.781E-13	-251.6414
8	0.45069	SLV-CALOTTA	Max	-1.102E-13	1.873E-13	-245.7925
8	0.	SLV-CALOTTA	Min	-1.102E-13	1.689E-13	-257.9873
8	0.22535	SLV-CALOTTA	Min	-1.102E-13	1.781E-13	-251.6414
8	0.45069	SLV-CALOTTA	Min	-1.102E-13	1.873E-13	-245.7925
9	0.	SLE-DRENO	Max	-1.067E-13	2.058E-13	-30.6944
9	0.22535	SLE-DRENO	Max	-1.067E-13	2.106E-13	-60.643
9	0.45069	SLE-DRENO	Max	-1.067E-13	2.154E-13	-91.684
9	0.	SLE-DRENO	Min	-1.067E-13	2.058E-13	-30.6944
9	0.22535	SLE-DRENO	Min	-1.067E-13	2.106E-13	-60.643

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
9	0.45069	SLE-DRENO	Min	-1.067E-13	2.154E-13	-91.684
9	0.	SLU-DRENO	Max	-1.354E-13	2.564E-13	-39.8736
9	0.22535	SLU-DRENO	Max	-1.354E-13	2.645E-13	-78.8054
9	0.45069	SLU-DRENO	Max	-1.354E-13	2.727E-13	-119.1574
9	0.	SLU-DRENO	Min	-1.354E-13	2.564E-13	-39.8736
9	0.22535	SLU-DRENO	Min	-1.354E-13	2.645E-13	-78.8054
9	0.45069	SLU-DRENO	Min	-1.354E-13	2.727E-13	-119.1574
9	0.	SLV-DRENO	Max	-1.778E-13	3.409E-13	-334.0977
9	0.22535	SLV-DRENO	Max	-1.778E-13	3.538E-13	-350.9843
9	0.45069	SLV-DRENO	Max	-1.778E-13	3.666E-13	-368.3206
9	0.	SLV-DRENO	Min	-1.778E-13	3.409E-13	-334.0977
9	0.22535	SLV-DRENO	Min	-1.778E-13	3.538E-13	-350.9843
9	0.45069	SLV-DRENO	Min	-1.778E-13	3.666E-13	-368.3206
9	0.	SLE-CALOTTA	Max	-6.045E-14	1.173E-13	-15.1817
9	0.22535	SLE-CALOTTA	Max	-6.045E-14	1.174E-13	-39.0767
9	0.45069	SLE-CALOTTA	Max	-6.045E-14	1.174E-13	-64.0642
9	0.	SLE-CALOTTA	Min	-6.045E-14	1.173E-13	-15.1817
9	0.22535	SLE-CALOTTA	Min	-6.045E-14	1.174E-13	-39.0767
9	0.45069	SLE-CALOTTA	Min	-6.045E-14	1.174E-13	-64.0642
9	0.	SLU-CALOTTA	Max	-8.001E-14	1.516E-13	-19.7059
9	0.22535	SLU-CALOTTA	Max	-8.001E-14	1.572E-13	-50.77
9	0.45069	SLU-CALOTTA	Max	-8.001E-14	1.628E-13	-83.2543
9	0.	SLU-CALOTTA	Min	-8.001E-14	1.516E-13	-19.7059
9	0.22535	SLU-CALOTTA	Min	-8.001E-14	1.572E-13	-50.77
9	0.45069	SLU-CALOTTA	Min	-8.001E-14	1.628E-13	-83.2543
9	0.	SLV-CALOTTA	Max	-8.891E-14	1.885E-13	-246.9368
9	0.22535	SLV-CALOTTA	Max	-8.891E-14	1.965E-13	-245.065
9	0.45069	SLV-CALOTTA	Max	-8.891E-14	2.045E-13	-243.6429
9	0.	SLV-CALOTTA	Min	-8.891E-14	1.885E-13	-246.9368
9	0.22535	SLV-CALOTTA	Min	-8.891E-14	1.965E-13	-245.065
9	0.45069	SLV-CALOTTA	Min	-8.891E-14	2.045E-13	-243.6429
10	0.	SLE-DRENO	Max	-9.889E-14	2.227E-13	-91.684
10	0.22535	SLE-DRENO	Max	-9.889E-14	2.289E-13	-128.4088
10	0.45069	SLE-DRENO	Max	-9.889E-14	2.352E-13	-166.2478
10	0.	SLE-DRENO	Min	-9.889E-14	2.227E-13	-91.684
10	0.22535	SLE-DRENO	Min	-9.889E-14	2.289E-13	-128.4088
10	0.45069	SLE-DRENO	Min	-9.889E-14	2.352E-13	-166.2478
10	0.	SLU-DRENO	Max	-1.264E-13	2.834E-13	-119.1574
10	0.22535	SLU-DRENO	Max	-1.264E-13	2.899E-13	-166.8982
10	0.45069	SLU-DRENO	Max	-1.264E-13	2.965E-13	-216.0876
10	0.	SLU-DRENO	Min	-1.264E-13	2.834E-13	-119.1574
10	0.22535	SLU-DRENO	Min	-1.264E-13	2.899E-13	-166.8982
10	0.45069	SLU-DRENO	Min	-1.264E-13	2.965E-13	-216.0876
10	0.	SLV-DRENO	Max	-1.707E-13	3.747E-13	-369.5429
10	0.22535	SLV-DRENO	Max	-1.707E-13	3.867E-13	-391.6116
10	0.45069	SLV-DRENO	Max	-1.707E-13	3.988E-13	-414.0877
10	0.	SLV-DRENO	Min	-1.707E-13	3.747E-13	-369.5429
10	0.22535	SLV-DRENO	Min	-1.707E-13	3.867E-13	-391.6116
10	0.45069	SLV-DRENO	Min	-1.707E-13	3.988E-13	-414.0877
10	0.	SLE-CALOTTA	Max	-5.335E-14	1.245E-13	-64.0642
10	0.22535	SLE-CALOTTA	Max	-5.335E-14	1.277E-13	-94.6792
10	0.45069	SLE-CALOTTA	Max	-5.335E-14	1.309E-13	-126.4084
10	0.	SLE-CALOTTA	Min	-5.335E-14	1.245E-13	-64.0642
10	0.22535	SLE-CALOTTA	Min	-5.335E-14	1.277E-13	-94.6792
10	0.45069	SLE-CALOTTA	Min	-5.335E-14	1.309E-13	-126.4084
10	0.	SLU-CALOTTA	Max	-7.468E-14	1.665E-13	-83.2543
10	0.22535	SLU-CALOTTA	Max	-7.468E-14	1.705E-13	-123.0544
10	0.45069	SLU-CALOTTA	Max	-7.468E-14	1.745E-13	-164.3031
10	0.	SLU-CALOTTA	Min	-7.468E-14	1.665E-13	-83.2543

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
10	0.22535	SLU-CALOTTA	Min	-7.468E-14	1.705E-13	-123.0544
10	0.45069	SLU-CALOTTA	Min	-7.468E-14	1.745E-13	-164.3031
10	0.	SLV-CALOTTA	Max	-1.138E-13	2.134E-13	-244.8652
10	0.22535	SLV-CALOTTA	Max	-1.138E-13	2.230E-13	-247.4422
10	0.45069	SLV-CALOTTA	Max	-1.138E-13	2.326E-13	-250.4266
10	0.	SLV-CALOTTA	Min	-1.138E-13	2.134E-13	-244.8652
10	0.22535	SLV-CALOTTA	Min	-1.138E-13	2.230E-13	-247.4422
10	0.45069	SLV-CALOTTA	Min	-1.138E-13	2.326E-13	-250.4266
11	0.	SLE-DRENO	Max	-8.977E-14	2.286E-13	-166.2478
11	0.22535	SLE-DRENO	Max	-8.977E-14	2.347E-13	-209.9074
11	0.45069	SLE-DRENO	Max	-8.977E-14	2.407E-13	-254.752
11	0.	SLE-DRENO	Min	-8.977E-14	2.286E-13	-166.2478
11	0.22535	SLE-DRENO	Min	-8.977E-14	2.347E-13	-209.9074
11	0.45069	SLE-DRENO	Min	-8.977E-14	2.407E-13	-254.752
11	0.	SLU-DRENO	Max	-1.156E-13	2.983E-13	-216.0876
11	0.22535	SLU-DRENO	Max	-1.156E-13	3.032E-13	-272.8434
11	0.45069	SLU-DRENO	Max	-1.156E-13	3.081E-13	-331.14
11	0.	SLU-DRENO	Min	-1.156E-13	2.983E-13	-216.0876
11	0.22535	SLU-DRENO	Min	-1.156E-13	3.032E-13	-272.8434
11	0.45069	SLU-DRENO	Min	-1.156E-13	3.081E-13	-331.14
11	0.	SLV-DRENO	Max	-1.582E-13	4.014E-13	-415.4143
11	0.22535	SLV-DRENO	Max	-1.582E-13	4.118E-13	-442.6972
11	0.45069	SLV-DRENO	Max	-1.582E-13	4.222E-13	-470.3567
11	0.	SLV-DRENO	Min	-1.582E-13	4.014E-13	-415.4143
11	0.22535	SLV-DRENO	Min	-1.582E-13	4.118E-13	-442.6972
11	0.45069	SLV-DRENO	Min	-1.582E-13	4.222E-13	-470.3567
11	0.	SLE-CALOTTA	Max	-5.334E-14	1.340E-13	-126.4084
11	0.22535	SLE-CALOTTA	Max	-5.334E-14	1.356E-13	-163.9638
11	0.45069	SLE-CALOTTA	Max	-5.334E-14	1.372E-13	-202.7044
11	0.	SLE-CALOTTA	Min	-5.334E-14	1.340E-13	-126.4084
11	0.22535	SLE-CALOTTA	Min	-5.334E-14	1.356E-13	-163.9638
11	0.45069	SLE-CALOTTA	Min	-5.334E-14	1.372E-13	-202.7044
11	0.	SLU-CALOTTA	Max	-6.757E-14	1.752E-13	-164.3031
11	0.22535	SLU-CALOTTA	Max	-6.757E-14	1.793E-13	-213.1259
11	0.45069	SLU-CALOTTA	Max	-6.757E-14	1.833E-13	-263.4894
11	0.	SLU-CALOTTA	Min	-6.757E-14	1.752E-13	-164.3031
11	0.22535	SLU-CALOTTA	Min	-6.757E-14	1.793E-13	-213.1259
11	0.45069	SLU-CALOTTA	Min	-6.757E-14	1.833E-13	-263.4894
11	0.	SLV-CALOTTA	Max	-9.245E-14	2.347E-13	-251.7532
11	0.22535	SLV-CALOTTA	Max	-9.245E-14	2.475E-13	-258.8141
11	0.45069	SLV-CALOTTA	Max	-9.245E-14	2.603E-13	-266.2517
11	0.	SLV-CALOTTA	Min	-9.245E-14	2.347E-13	-251.7532
11	0.22535	SLV-CALOTTA	Min	-9.245E-14	2.475E-13	-258.8141
11	0.45069	SLV-CALOTTA	Min	-9.245E-14	2.603E-13	-266.2517
12	0.	SLE-DRENO	Max	-8.686E-14	2.422E-13	-254.752
12	0.22535	SLE-DRENO	Max	-8.686E-14	2.426E-13	-305.5814
12	0.45069	SLE-DRENO	Max	-8.686E-14	2.430E-13	-357.6821
12	0.	SLE-DRENO	Min	-8.686E-14	2.422E-13	-254.752
12	0.22535	SLE-DRENO	Min	-8.686E-14	2.426E-13	-305.5814
12	0.45069	SLE-DRENO	Min	-8.686E-14	2.430E-13	-357.6821
12	0.	SLU-DRENO	Max	-1.065E-13	3.137E-13	-331.14
12	0.22535	SLU-DRENO	Max	-1.065E-13	3.169E-13	-397.2166
12	0.45069	SLU-DRENO	Max	-1.065E-13	3.202E-13	-464.946
12	0.	SLU-DRENO	Min	-1.065E-13	3.137E-13	-331.14
12	0.22535	SLU-DRENO	Min	-1.065E-13	3.169E-13	-397.2166
12	0.45069	SLU-DRENO	Min	-1.065E-13	3.202E-13	-464.946
12	0.	SLV-DRENO	Max	-1.458E-13	4.250E-13	-471.8559
12	0.22535	SLV-DRENO	Max	-1.458E-13	4.348E-13	-504.456
12	0.45069	SLV-DRENO	Max	-1.458E-13	4.446E-13	-537.397

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
12	0.	SLV-DRENO	Min	-1.458E-13	4.250E-13	-471.8559
12	0.22535	SLV-DRENO	Min	-1.458E-13	4.348E-13	-504.456
12	0.45069	SLV-DRENO	Min	-1.458E-13	4.446E-13	-537.397
12	0.	SLE-CALOTTA	Max	-5.334E-14	1.405E-13	-202.7044
12	0.22535	SLE-CALOTTA	Max	-5.334E-14	1.421E-13	-247.5064
12	0.45069	SLE-CALOTTA	Max	-5.334E-14	1.437E-13	-293.5798
12	0.	SLE-CALOTTA	Min	-5.334E-14	1.405E-13	-202.7044
12	0.22535	SLE-CALOTTA	Min	-5.334E-14	1.421E-13	-247.5064
12	0.45069	SLE-CALOTTA	Min	-5.334E-14	1.437E-13	-293.5798
12	0.	SLU-CALOTTA	Max	-6.401E-14	1.854E-13	-263.4894
12	0.22535	SLU-CALOTTA	Max	-6.401E-14	1.886E-13	-321.7329
12	0.45069	SLU-CALOTTA	Max	-6.401E-14	1.918E-13	-381.6292
12	0.	SLU-CALOTTA	Min	-6.401E-14	1.854E-13	-263.4894
12	0.22535	SLU-CALOTTA	Min	-6.401E-14	1.886E-13	-321.7329
12	0.45069	SLU-CALOTTA	Min	-6.401E-14	1.918E-13	-381.6292
12	0.	SLV-CALOTTA	Max	-7.824E-14	2.489E-13	-267.7509
12	0.22535	SLV-CALOTTA	Max	-7.824E-14	2.746E-13	-279.4337
12	0.45069	SLV-CALOTTA	Max	-7.824E-14	3.002E-13	-291.4573
12	0.	SLV-CALOTTA	Min	-7.824E-14	2.489E-13	-267.7509
12	0.22535	SLV-CALOTTA	Min	-7.824E-14	2.746E-13	-279.4337
12	0.45069	SLV-CALOTTA	Min	-7.824E-14	3.002E-13	-291.4573
13	0.	SLE-DRENO	Max	-7.973E-14	2.518E-13	-357.6821
13	0.22535	SLE-DRENO	Max	-7.973E-14	2.552E-13	-415.9445
13	0.45069	SLE-DRENO	Max	-7.973E-14	2.586E-13	-475.5884
13	0.	SLE-DRENO	Min	-7.973E-14	2.518E-13	-357.6821
13	0.22535	SLE-DRENO	Min	-7.973E-14	2.552E-13	-415.9445
13	0.45069	SLE-DRENO	Min	-7.973E-14	2.586E-13	-475.5884
13	0.	SLU-DRENO	Max	-9.932E-14	3.223E-13	-464.946
13	0.22535	SLU-DRENO	Max	-9.932E-14	3.272E-13	-540.6856
13	0.45069	SLU-DRENO	Max	-9.932E-14	3.321E-13	-618.2211
13	0.	SLU-DRENO	Min	-9.932E-14	3.223E-13	-464.946
13	0.22535	SLU-DRENO	Min	-9.932E-14	3.272E-13	-540.6856
13	0.45069	SLU-DRENO	Min	-9.932E-14	3.321E-13	-618.2211
13	0.	SLV-DRENO	Max	-1.351E-13	4.516E-13	-539.1039
13	0.22535	SLV-DRENO	Max	-1.351E-13	4.626E-13	-577.1344
13	0.45069	SLV-DRENO	Max	-1.351E-13	4.737E-13	-615.4632
13	0.	SLV-DRENO	Min	-1.351E-13	4.516E-13	-539.1039
13	0.22535	SLV-DRENO	Min	-1.351E-13	4.626E-13	-577.1344
13	0.45069	SLV-DRENO	Min	-1.351E-13	4.737E-13	-615.4632
13	0.	SLE-CALOTTA	Max	-3.202E-14	1.440E-13	-293.5798
13	0.22535	SLE-CALOTTA	Max	-3.202E-14	1.448E-13	-345.9722
13	0.45069	SLE-CALOTTA	Max	-3.202E-14	1.456E-13	-399.746
13	0.	SLE-CALOTTA	Min	-3.202E-14	1.440E-13	-293.5798
13	0.22535	SLE-CALOTTA	Min	-3.202E-14	1.448E-13	-345.9722
13	0.45069	SLE-CALOTTA	Min	-3.202E-14	1.456E-13	-399.746
13	0.	SLU-CALOTTA	Max	-5.956E-14	1.956E-13	-381.6292
13	0.22535	SLU-CALOTTA	Max	-5.956E-14	1.984E-13	-449.7404
13	0.45069	SLU-CALOTTA	Max	-5.956E-14	2.012E-13	-519.6474
13	0.	SLU-CALOTTA	Min	-5.956E-14	1.956E-13	-381.6292
13	0.22535	SLU-CALOTTA	Min	-5.956E-14	1.984E-13	-449.7404
13	0.45069	SLU-CALOTTA	Min	-5.956E-14	2.012E-13	-519.6474
13	0.	SLV-CALOTTA	Max	-6.403E-14	2.703E-13	-293.1642
13	0.22535	SLV-CALOTTA	Max	-6.403E-14	2.767E-13	-309.6521
13	0.45069	SLV-CALOTTA	Max	-6.403E-14	2.831E-13	-326.4383
13	0.	SLV-CALOTTA	Min	-6.403E-14	2.703E-13	-293.1642
13	0.22535	SLV-CALOTTA	Min	-6.403E-14	2.767E-13	-309.6521
13	0.45069	SLV-CALOTTA	Min	-6.403E-14	2.831E-13	-326.4383
14	0.	SLE-DRENO	Max	-7.438E-14	2.606E-13	-475.5884
14	0.22535	SLE-DRENO	Max	-7.438E-14	2.650E-13	-541.5886



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
14	0.45069	SLE-DRENO	Max	-7.438E-14	2.693E-13	-609.1113
14	0.	SLE-DRENO	Min	-7.438E-14	2.606E-13	-475.5884
14	0.22535	SLE-DRENO	Min	-7.438E-14	2.650E-13	-541.5886
14	0.45069	SLE-DRENO	Min	-7.438E-14	2.693E-13	-609.1113
14	0.	SLU-DRENO	Max	-8.851E-14	3.376E-13	-618.2211
14	0.22535	SLU-DRENO	Max	-8.851E-14	3.445E-13	-704.0197
14	0.45069	SLU-DRENO	Max	-8.851E-14	3.513E-13	-791.7977
14	0.	SLU-DRENO	Min	-8.851E-14	3.376E-13	-618.2211
14	0.22535	SLU-DRENO	Min	-8.851E-14	3.445E-13	-704.0197
14	0.45069	SLU-DRENO	Min	-8.851E-14	3.513E-13	-791.7977
14	0.	SLV-DRENO	Max	-1.173E-13	4.730E-13	-617.4298
14	0.22535	SLV-DRENO	Max	-1.173E-13	4.802E-13	-661.0222
14	0.45069	SLV-DRENO	Max	-1.173E-13	4.874E-13	-704.8607
14	0.	SLV-DRENO	Min	-1.173E-13	4.730E-13	-617.4298
14	0.22535	SLV-DRENO	Min	-1.173E-13	4.802E-13	-661.0222
14	0.45069	SLV-DRENO	Min	-1.173E-13	4.874E-13	-704.8607
14	0.	SLE-CALOTTA	Max	-4.978E-14	1.529E-13	-399.746
14	0.22535	SLE-CALOTTA	Max	-4.978E-14	1.569E-13	-460.124
14	0.45069	SLE-CALOTTA	Max	-4.978E-14	1.609E-13	-522.0245
14	0.	SLE-CALOTTA	Min	-4.978E-14	1.529E-13	-399.746
14	0.22535	SLE-CALOTTA	Min	-4.978E-14	1.569E-13	-460.124
14	0.45069	SLE-CALOTTA	Min	-4.978E-14	1.609E-13	-522.0245
14	0.	SLU-CALOTTA	Max	-5.157E-14	2.027E-13	-519.6474
14	0.22535	SLU-CALOTTA	Max	-5.157E-14	2.059E-13	-598.1399
14	0.45069	SLU-CALOTTA	Max	-5.157E-14	2.091E-13	-678.6118
14	0.	SLU-CALOTTA	Min	-5.157E-14	2.027E-13	-519.6474
14	0.22535	SLU-CALOTTA	Min	-5.157E-14	2.059E-13	-598.1399
14	0.45069	SLU-CALOTTA	Min	-5.157E-14	2.091E-13	-678.6118
14	0.	SLV-CALOTTA	Max	-5.690E-14	2.703E-13	-328.4049
14	0.22535	SLV-CALOTTA	Max	-5.690E-14	2.831E-13	-349.9387
14	0.45069	SLV-CALOTTA	Max	-5.690E-14	2.959E-13	-371.7185
14	0.	SLV-CALOTTA	Min	-5.690E-14	2.703E-13	-328.4049
14	0.22535	SLV-CALOTTA	Min	-5.690E-14	2.831E-13	-349.9387
14	0.45069	SLV-CALOTTA	Min	-5.690E-14	2.959E-13	-371.7185
15	0.	SLE-DRENO	Max	-5.927E-14	2.789E-13	-609.1113
15	0.22535	SLE-DRENO	Max	-5.927E-14	2.823E-13	-683.1967
15	0.45069	SLE-DRENO	Max	-5.927E-14	2.857E-13	-758.9642
15	0.	SLE-DRENO	Min	-5.927E-14	2.789E-13	-609.1113
15	0.22535	SLE-DRENO	Min	-5.927E-14	2.823E-13	-683.1967
15	0.45069	SLE-DRENO	Min	-5.927E-14	2.857E-13	-758.9642
15	0.	SLU-DRENO	Max	-8.308E-14	3.557E-13	-791.7977
15	0.22535	SLU-DRENO	Max	-8.308E-14	3.613E-13	-888.1072
15	0.45069	SLU-DRENO	Max	-8.308E-14	3.670E-13	-986.6034
15	0.	SLU-DRENO	Min	-8.308E-14	3.557E-13	-791.7977
15	0.22535	SLU-DRENO	Min	-8.308E-14	3.613E-13	-888.1072
15	0.45069	SLU-DRENO	Min	-8.308E-14	3.670E-13	-986.6034
15	0.	SLV-DRENO	Max	-1.031E-13	5.014E-13	-707.1573
15	0.22535	SLV-DRENO	Max	-1.031E-13	5.030E-13	-756.4671
15	0.45069	SLV-DRENO	Max	-1.031E-13	5.046E-13	-805.9526
15	0.	SLV-DRENO	Min	-1.031E-13	5.014E-13	-707.1573
15	0.22535	SLV-DRENO	Min	-1.031E-13	5.030E-13	-756.4671
15	0.45069	SLV-DRENO	Min	-1.031E-13	5.046E-13	-805.9526
15	0.	SLE-CALOTTA	Max	-4.267E-14	1.707E-13	-522.0245
15	0.22535	SLE-CALOTTA	Max	-4.267E-14	1.755E-13	-590.8361
15	0.45069	SLE-CALOTTA	Max	-4.267E-14	1.803E-13	-661.3299
15	0.	SLE-CALOTTA	Min	-4.267E-14	1.707E-13	-522.0245
15	0.22535	SLE-CALOTTA	Min	-4.267E-14	1.755E-13	-590.8361
15	0.45069	SLE-CALOTTA	Min	-4.267E-14	1.803E-13	-661.3299
15	0.	SLU-CALOTTA	Max	-4.801E-14	2.116E-13	-678.6118

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
15	0.22535	SLU-CALOTTA	Max	-4.801E-14	2.140E-13	-768.0683
15	0.45069	SLU-CALOTTA	Max	-4.801E-14	2.164E-13	-859.7117
15	0.	SLU-CALOTTA	Min	-4.801E-14	2.116E-13	-678.6118
15	0.22535	SLU-CALOTTA	Min	-4.801E-14	2.140E-13	-768.0683
15	0.45069	SLU-CALOTTA	Min	-4.801E-14	2.164E-13	-859.7117
15	0.	SLV-CALOTTA	Max	-8.533E-14	3.129E-13	-374.0151
15	0.22535	SLV-CALOTTA	Max	-8.533E-14	3.129E-13	-400.9014
15	0.45069	SLV-CALOTTA	Max	-8.533E-14	3.129E-13	-427.9633
15	0.	SLV-CALOTTA	Min	-8.533E-14	3.129E-13	-374.0151
15	0.22535	SLV-CALOTTA	Min	-8.533E-14	3.129E-13	-400.9014
15	0.45069	SLV-CALOTTA	Min	-8.533E-14	3.129E-13	-427.9633
16	0.	SLE-DRENO	Max	1.094E-13	2.575E-13	-758.9642
16	0.22535	SLE-DRENO	Max	1.094E-13	2.615E-13	-711.2364
16	0.45069	SLE-DRENO	Max	1.094E-13	2.655E-13	-663.9898
16	0.	SLE-DRENO	Min	1.094E-13	2.575E-13	-758.9642
16	0.22535	SLE-DRENO	Min	1.094E-13	2.615E-13	-711.2364
16	0.45069	SLE-DRENO	Min	1.094E-13	2.655E-13	-663.9898
16	0.	SLU-DRENO	Max	1.444E-13	3.430E-13	-986.6034
16	0.22535	SLU-DRENO	Max	1.444E-13	3.463E-13	-924.5635
16	0.45069	SLU-DRENO	Max	1.444E-13	3.496E-13	-863.1491
16	0.	SLU-DRENO	Min	1.444E-13	3.430E-13	-986.6034
16	0.22535	SLU-DRENO	Min	1.444E-13	3.463E-13	-924.5635
16	0.45069	SLU-DRENO	Min	1.444E-13	3.496E-13	-863.1491
16	0.	SLV-DRENO	Max	1.991E-13	4.765E-13	-808.6397
16	0.22535	SLV-DRENO	Max	1.991E-13	4.797E-13	-694.7168
16	0.45069	SLV-DRENO	Max	1.991E-13	4.829E-13	-578.8287
16	0.	SLV-DRENO	Min	1.991E-13	4.765E-13	-808.6397
16	0.22535	SLV-DRENO	Min	1.991E-13	4.797E-13	-694.7168
16	0.45069	SLV-DRENO	Min	1.991E-13	4.829E-13	-578.8287
16	0.	SLE-CALOTTA	Max	6.756E-14	1.565E-13	-661.3299
16	0.22535	SLE-CALOTTA	Max	6.756E-14	1.597E-13	-608.1586
16	0.45069	SLE-CALOTTA	Max	6.756E-14	1.629E-13	-555.4685
16	0.	SLE-CALOTTA	Min	6.756E-14	1.565E-13	-661.3299
16	0.22535	SLE-CALOTTA	Min	6.756E-14	1.597E-13	-608.1586
16	0.45069	SLE-CALOTTA	Min	6.756E-14	1.629E-13	-555.4685
16	0.	SLU-CALOTTA	Max	8.445E-14	2.063E-13	-859.7117
16	0.22535	SLU-CALOTTA	Max	8.445E-14	2.055E-13	-790.5956
16	0.45069	SLU-CALOTTA	Max	8.445E-14	2.047E-13	-722.1049
16	0.	SLU-CALOTTA	Min	8.445E-14	2.063E-13	-859.7117
16	0.22535	SLU-CALOTTA	Min	8.445E-14	2.055E-13	-790.5956
16	0.45069	SLU-CALOTTA	Min	8.445E-14	2.047E-13	-722.1049
16	0.	SLV-CALOTTA	Max	1.245E-13	2.845E-13	-430.6505
16	0.22535	SLV-CALOTTA	Max	1.245E-13	3.101E-13	-308.9259
16	0.45069	SLV-CALOTTA	Max	1.245E-13	3.357E-13	-185.2361
16	0.	SLV-CALOTTA	Min	1.245E-13	2.845E-13	-430.6505
16	0.22535	SLV-CALOTTA	Min	1.245E-13	3.101E-13	-308.9259
16	0.45069	SLV-CALOTTA	Min	1.245E-13	3.357E-13	-185.2361
17	0.	SLE-DRENO	Max	1.183E-13	2.646E-13	-663.9898
17	0.22535	SLE-DRENO	Max	1.183E-13	2.682E-13	-620.2983
17	0.45069	SLE-DRENO	Max	1.183E-13	2.718E-13	-576.9756
17	0.	SLE-DRENO	Min	1.183E-13	2.646E-13	-663.9898
17	0.22535	SLE-DRENO	Min	1.183E-13	2.682E-13	-620.2983
17	0.45069	SLE-DRENO	Min	1.183E-13	2.718E-13	-576.9756
17	0.	SLU-DRENO	Max	1.535E-13	3.394E-13	-863.1491
17	0.22535	SLU-DRENO	Max	1.535E-13	3.426E-13	-806.3558
17	0.45069	SLU-DRENO	Max	1.535E-13	3.459E-13	-750.0418
17	0.	SLU-DRENO	Min	1.535E-13	3.394E-13	-863.1491
17	0.22535	SLU-DRENO	Min	1.535E-13	3.426E-13	-806.3558
17	0.45069	SLU-DRENO	Min	1.535E-13	3.459E-13	-750.0418

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
17	0.	SLV-DRENO	Max	2.151E-13	4.552E-13	-582.7363
17	0.22535	SLV-DRENO	Max	2.151E-13	4.520E-13	-480.7102
17	0.45069	SLV-DRENO	Max	2.151E-13	4.488E-13	-376.8736
17	0.	SLV-DRENO	Min	2.151E-13	4.552E-13	-582.7363
17	0.22535	SLV-DRENO	Min	2.151E-13	4.520E-13	-480.7102
17	0.45069	SLV-DRENO	Min	2.151E-13	4.488E-13	-376.8736
17	0.	SLE-CALOTTA	Max	6.757E-14	1.565E-13	-555.4685
17	0.22535	SLE-CALOTTA	Max	6.757E-14	1.565E-13	-508.7444
17	0.45069	SLE-CALOTTA	Max	6.757E-14	1.565E-13	-462.3891
17	0.	SLE-CALOTTA	Min	6.757E-14	1.565E-13	-555.4685
17	0.22535	SLE-CALOTTA	Min	6.757E-14	1.565E-13	-508.7444
17	0.45069	SLE-CALOTTA	Min	6.757E-14	1.565E-13	-462.3891
17	0.	SLU-CALOTTA	Max	9.201E-14	1.991E-13	-722.1049
17	0.22535	SLU-CALOTTA	Max	9.201E-14	1.991E-13	-661.3693
17	0.45069	SLU-CALOTTA	Max	9.201E-14	1.991E-13	-601.113
17	0.	SLU-CALOTTA	Min	9.201E-14	1.991E-13	-722.1049
17	0.22535	SLU-CALOTTA	Min	9.201E-14	1.991E-13	-661.3693
17	0.45069	SLU-CALOTTA	Min	9.201E-14	1.991E-13	-601.113
17	0.	SLV-CALOTTA	Max	1.316E-13	2.560E-13	-189.1437
17	0.22535	SLV-CALOTTA	Max	1.316E-13	2.304E-13	-85.1223
17	0.45069	SLV-CALOTTA	Max	1.316E-13	2.048E-13	20.7097
17	0.	SLV-CALOTTA	Min	1.316E-13	2.560E-13	-189.1437
17	0.22535	SLV-CALOTTA	Min	1.316E-13	2.304E-13	-85.1223
17	0.45069	SLV-CALOTTA	Min	1.316E-13	2.048E-13	20.7097
18	0.	SLE-DRENO	Max	1.240E-13	2.655E-13	-576.9756
18	0.22535	SLE-DRENO	Max	1.240E-13	2.655E-13	-537.9792
18	0.45069	SLE-DRENO	Max	1.240E-13	2.655E-13	-499.2597
18	0.	SLE-DRENO	Min	1.240E-13	2.655E-13	-576.9756
18	0.22535	SLE-DRENO	Min	1.240E-13	2.655E-13	-537.9792
18	0.45069	SLE-DRENO	Min	1.240E-13	2.655E-13	-499.2597
18	0.	SLU-DRENO	Max	1.634E-13	3.395E-13	-750.0418
18	0.22535	SLU-DRENO	Max	1.634E-13	3.394E-13	-699.3519
18	0.45069	SLU-DRENO	Max	1.634E-13	3.394E-13	-649.022
18	0.	SLU-DRENO	Min	1.634E-13	3.395E-13	-750.0418
18	0.22535	SLU-DRENO	Min	1.634E-13	3.394E-13	-699.3519
18	0.45069	SLU-DRENO	Min	1.634E-13	3.394E-13	-649.022
18	0.	SLV-DRENO	Max	2.285E-13	4.552E-13	-380.3426
18	0.22535	SLV-DRENO	Max	2.285E-13	4.456E-13	-291.0145
18	0.45069	SLV-DRENO	Max	2.285E-13	4.360E-13	-200.016
18	0.	SLV-DRENO	Min	2.285E-13	4.552E-13	-380.3426
18	0.22535	SLV-DRENO	Min	2.285E-13	4.456E-13	-291.0145
18	0.45069	SLV-DRENO	Min	2.285E-13	4.360E-13	-200.016
18	0.	SLE-CALOTTA	Max	7.468E-14	1.565E-13	-462.3891
18	0.22535	SLE-CALOTTA	Max	7.468E-14	1.693E-13	-422.7959
18	0.45069	SLE-CALOTTA	Max	7.468E-14	1.821E-13	-383.4797
18	0.	SLE-CALOTTA	Min	7.468E-14	1.565E-13	-462.3891
18	0.22535	SLE-CALOTTA	Min	7.468E-14	1.693E-13	-422.7959
18	0.45069	SLE-CALOTTA	Min	7.468E-14	1.821E-13	-383.4797
18	0.	SLU-CALOTTA	Max	9.779E-14	1.991E-13	-601.113
18	0.22535	SLU-CALOTTA	Max	9.779E-14	1.991E-13	-549.6468
18	0.45069	SLU-CALOTTA	Max	9.779E-14	1.991E-13	-498.5405
18	0.	SLU-CALOTTA	Min	9.779E-14	1.991E-13	-601.113
18	0.22535	SLU-CALOTTA	Min	9.779E-14	1.991E-13	-549.6468
18	0.45069	SLU-CALOTTA	Min	9.779E-14	1.991E-13	-498.5405
18	0.	SLV-CALOTTA	Max	1.405E-13	2.845E-13	17.2407
18	0.22535	SLV-CALOTTA	Max	1.405E-13	2.844E-13	102.7768
18	0.45069	SLV-CALOTTA	Max	1.405E-13	2.844E-13	189.9833
18	0.	SLV-CALOTTA	Min	1.405E-13	2.845E-13	17.2407
18	0.22535	SLV-CALOTTA	Min	1.405E-13	2.844E-13	102.7768

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
18	0.45069	SLV-CALOTTA	Min	1.405E-13	2.844E-13	189.9833
19	0.	SLE-DRENO	Max	1.322E-13	2.593E-13	-499.2597
19	0.22535	SLE-DRENO	Max	1.322E-13	2.649E-13	-465.6713
19	0.45069	SLE-DRENO	Max	1.322E-13	2.705E-13	-432.2871
19	0.	SLE-DRENO	Min	1.322E-13	2.593E-13	-499.2597
19	0.22535	SLE-DRENO	Min	1.322E-13	2.649E-13	-465.6713
19	0.45069	SLE-DRENO	Min	1.322E-13	2.705E-13	-432.2871
19	0.	SLU-DRENO	Max	1.724E-13	3.323E-13	-649.022
19	0.22535	SLU-DRENO	Max	1.724E-13	3.387E-13	-605.3615
19	0.45069	SLU-DRENO	Max	1.724E-13	3.451E-13	-561.9665
19	0.	SLU-DRENO	Min	1.724E-13	3.323E-13	-649.022
19	0.22535	SLU-DRENO	Min	1.724E-13	3.387E-13	-605.3615
19	0.45069	SLU-DRENO	Min	1.724E-13	3.451E-13	-561.9665
19	0.	SLV-DRENO	Max	2.409E-13	4.481E-13	-203.1049
19	0.22535	SLV-DRENO	Max	2.409E-13	4.417E-13	-127.3013
19	0.45069	SLV-DRENO	Max	2.409E-13	4.353E-13	-49.9363
19	0.	SLV-DRENO	Min	2.409E-13	4.481E-13	-203.1049
19	0.22535	SLV-DRENO	Min	2.409E-13	4.417E-13	-127.3013
19	0.45069	SLV-DRENO	Min	2.409E-13	4.353E-13	-49.9363
19	0.	SLE-CALOTTA	Max	7.823E-14	1.423E-13	-383.4797
19	0.22535	SLE-CALOTTA	Max	7.823E-14	1.358E-13	-351.755
19	0.45069	SLE-CALOTTA	Max	7.823E-14	1.294E-13	-320.2345
19	0.	SLE-CALOTTA	Min	7.823E-14	1.423E-13	-383.4797
19	0.22535	SLE-CALOTTA	Min	7.823E-14	1.358E-13	-351.755
19	0.45069	SLE-CALOTTA	Min	7.823E-14	1.294E-13	-320.2345
19	0.	SLU-CALOTTA	Max	1.036E-13	1.920E-13	-498.5405
19	0.22535	SLU-CALOTTA	Max	1.036E-13	1.936E-13	-457.3024
19	0.45069	SLU-CALOTTA	Max	1.036E-13	1.952E-13	-416.3298
19	0.	SLU-CALOTTA	Min	1.036E-13	1.920E-13	-498.5405
19	0.22535	SLU-CALOTTA	Min	1.036E-13	1.936E-13	-457.3024
19	0.45069	SLU-CALOTTA	Min	1.036E-13	1.952E-13	-416.3298
19	0.	SLV-CALOTTA	Max	1.476E-13	2.276E-13	186.8943
19	0.22535	SLV-CALOTTA	Max	1.476E-13	2.020E-13	253.1368
19	0.45069	SLV-CALOTTA	Max	1.476E-13	1.764E-13	320.9408
19	0.	SLV-CALOTTA	Min	1.476E-13	2.276E-13	186.8943
19	0.22535	SLV-CALOTTA	Min	1.476E-13	2.020E-13	253.1368
19	0.45069	SLV-CALOTTA	Min	1.476E-13	1.764E-13	320.9408
20	0.	SLE-DRENO	Max	1.401E-13	2.575E-13	-432.2871
20	0.22535	SLE-DRENO	Max	1.401E-13	2.511E-13	-404.8659
20	0.45069	SLE-DRENO	Max	1.401E-13	2.447E-13	-377.5899
20	0.	SLE-DRENO	Min	1.401E-13	2.575E-13	-432.2871
20	0.22535	SLE-DRENO	Min	1.401E-13	2.511E-13	-404.8659
20	0.45069	SLE-DRENO	Min	1.401E-13	2.447E-13	-377.5899
20	0.	SLU-DRENO	Max	1.819E-13	3.394E-13	-561.9665
20	0.22535	SLU-DRENO	Max	1.819E-13	3.361E-13	-526.3227
20	0.45069	SLU-DRENO	Max	1.819E-13	3.329E-13	-490.8676
20	0.	SLU-DRENO	Min	1.819E-13	3.394E-13	-561.9665
20	0.22535	SLU-DRENO	Min	1.819E-13	3.361E-13	-526.3227
20	0.45069	SLU-DRENO	Min	1.819E-13	3.329E-13	-490.8676
20	0.	SLV-DRENO	Max	2.529E-13	4.267E-13	-52.7277
20	0.22535	SLV-DRENO	Max	2.529E-13	4.203E-13	8.6968
20	0.45069	SLV-DRENO	Max	2.529E-13	4.139E-13	71.5984
20	0.	SLV-DRENO	Min	2.529E-13	4.267E-13	-52.7277
20	0.22535	SLV-DRENO	Min	2.529E-13	4.203E-13	8.6968
20	0.45069	SLV-DRENO	Min	2.529E-13	4.139E-13	71.5984
20	0.	SLE-CALOTTA	Max	8.357E-14	1.280E-13	-320.2345
20	0.22535	SLE-CALOTTA	Max	8.357E-14	1.280E-13	-297.1616
20	0.45069	SLE-CALOTTA	Max	8.357E-14	1.280E-13	-274.2339
20	0.	SLE-CALOTTA	Min	8.357E-14	1.280E-13	-320.2345

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
20	0.22535	SLE-CALOTTA	Min	8.357E-14	1.280E-13	-297.1616
20	0.45069	SLE-CALOTTA	Min	8.357E-14	1.280E-13	-274.2339
20	0.	SLU-CALOTTA	Max	1.087E-13	1.920E-13	-416.3298
20	0.22535	SLU-CALOTTA	Max	1.087E-13	1.920E-13	-386.3384
20	0.45069	SLU-CALOTTA	Max	1.087E-13	1.920E-13	-356.5357
20	0.	SLU-CALOTTA	Min	1.087E-13	1.920E-13	-416.3298
20	0.22535	SLU-CALOTTA	Min	1.087E-13	1.920E-13	-386.3384
20	0.45069	SLU-CALOTTA	Min	1.087E-13	1.920E-13	-356.5357
20	0.	SLV-CALOTTA	Max	1.529E-13	2.560E-13	318.1494
20	0.22535	SLV-CALOTTA	Max	1.529E-13	2.304E-13	364.2676
20	0.45069	SLV-CALOTTA	Max	1.529E-13	2.048E-13	411.863
20	0.	SLV-CALOTTA	Min	1.529E-13	2.560E-13	318.1494
20	0.22535	SLV-CALOTTA	Min	1.529E-13	2.304E-13	364.2676
20	0.45069	SLV-CALOTTA	Min	1.529E-13	2.048E-13	411.863
21	0.	SLE-DRENO	Max	1.463E-13	2.655E-13	-377.5899
21	0.22535	SLE-DRENO	Max	1.463E-13	2.631E-13	-357.1301
21	0.45069	SLE-DRENO	Max	1.463E-13	2.607E-13	-336.7658
21	0.	SLE-DRENO	Min	1.463E-13	2.655E-13	-377.5899
21	0.22535	SLE-DRENO	Min	1.463E-13	2.631E-13	-357.1301
21	0.45069	SLE-DRENO	Min	1.463E-13	2.607E-13	-336.7658
21	0.	SLU-DRENO	Max	1.905E-13	3.466E-13	-490.8676
21	0.22535	SLU-DRENO	Max	1.905E-13	3.401E-13	-464.2727
21	0.45069	SLU-DRENO	Max	1.905E-13	3.336E-13	-437.802
21	0.	SLU-DRENO	Min	1.905E-13	3.466E-13	-490.8676
21	0.22535	SLU-DRENO	Min	1.905E-13	3.401E-13	-464.2727
21	0.45069	SLU-DRENO	Min	1.905E-13	3.336E-13	-437.802
21	0.	SLV-DRENO	Max	2.649E-13	4.197E-13	69.0424
21	0.22535	SLV-DRENO	Max	2.649E-13	4.068E-13	115.2099
21	0.45069	SLV-DRENO	Max	2.649E-13	3.940E-13	162.7857
21	0.	SLV-DRENO	Min	2.649E-13	4.197E-13	69.0424
21	0.22535	SLV-DRENO	Min	2.649E-13	4.068E-13	115.2099
21	0.45069	SLV-DRENO	Min	2.649E-13	3.940E-13	162.7857
21	0.	SLE-CALOTTA	Max	8.712E-14	1.565E-13	-274.2339
21	0.22535	SLE-CALOTTA	Max	8.712E-14	1.565E-13	-260.6292
21	0.45069	SLE-CALOTTA	Max	8.712E-14	1.565E-13	-247.1201
21	0.	SLE-CALOTTA	Min	8.712E-14	1.565E-13	-274.2339
21	0.22535	SLE-CALOTTA	Min	8.712E-14	1.565E-13	-260.6292
21	0.45069	SLE-CALOTTA	Min	8.712E-14	1.565E-13	-247.1201
21	0.	SLU-CALOTTA	Max	1.138E-13	1.956E-13	-356.5357
21	0.22535	SLU-CALOTTA	Max	1.138E-13	1.892E-13	-338.8519
21	0.45069	SLU-CALOTTA	Max	1.138E-13	1.828E-13	-321.2925
21	0.	SLU-CALOTTA	Min	1.138E-13	1.956E-13	-356.5357
21	0.22535	SLU-CALOTTA	Min	1.138E-13	1.892E-13	-338.8519
21	0.45069	SLU-CALOTTA	Min	1.138E-13	1.828E-13	-321.2925
21	0.	SLV-CALOTTA	Max	1.582E-13	1.707E-13	409.307
21	0.22535	SLV-CALOTTA	Max	1.582E-13	1.707E-13	434.4589
21	0.45069	SLV-CALOTTA	Max	1.582E-13	1.707E-13	461.0191
21	0.	SLV-CALOTTA	Min	1.582E-13	1.707E-13	409.307
21	0.22535	SLV-CALOTTA	Min	1.582E-13	1.707E-13	434.4589
21	0.45069	SLV-CALOTTA	Min	1.582E-13	1.707E-13	461.0191
22	0.	SLE-DRENO	Max	1.536E-13	2.548E-13	-336.7658
22	0.22535	SLE-DRENO	Max	1.536E-13	2.460E-13	-324.0881
22	0.45069	SLE-DRENO	Max	1.536E-13	2.371E-13	-311.4655
22	0.	SLE-DRENO	Min	1.536E-13	2.548E-13	-336.7658
22	0.22535	SLE-DRENO	Min	1.536E-13	2.460E-13	-324.0881
22	0.45069	SLE-DRENO	Min	1.536E-13	2.371E-13	-311.4655
22	0.	SLU-DRENO	Max	1.993E-13	3.321E-13	-437.802
22	0.22535	SLU-DRENO	Max	1.993E-13	3.127E-13	-421.323
22	0.45069	SLU-DRENO	Max	1.993E-13	2.933E-13	-404.9158

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
22	0.	SLU-DRENO	Min	1.993E-13	3.321E-13	-437.802
22	0.22535	SLU-DRENO	Min	1.993E-13	3.127E-13	-421.323
22	0.45069	SLU-DRENO	Min	1.993E-13	2.933E-13	-404.9158
22	0.	SLV-DRENO	Max	2.752E-13	3.841E-13	160.424
22	0.22535	SLV-DRENO	Max	2.752E-13	3.649E-13	190.4598
22	0.45069	SLV-DRENO	Max	2.752E-13	3.457E-13	221.8947
22	0.	SLV-DRENO	Min	2.752E-13	3.841E-13	160.424
22	0.22535	SLV-DRENO	Min	2.752E-13	3.649E-13	190.4598
22	0.45069	SLV-DRENO	Min	2.752E-13	3.457E-13	221.8947
22	0.	SLE-CALOTTA	Max	9.068E-14	1.565E-13	-247.1201
22	0.22535	SLE-CALOTTA	Max	9.068E-14	1.308E-13	-243.8241
22	0.45069	SLE-CALOTTA	Max	9.068E-14	1.052E-13	-240.5833
22	0.	SLE-CALOTTA	Min	9.068E-14	1.565E-13	-247.1201
22	0.22535	SLE-CALOTTA	Min	9.068E-14	1.308E-13	-243.8241
22	0.45069	SLE-CALOTTA	Min	9.068E-14	1.052E-13	-240.5833
22	0.	SLU-CALOTTA	Max	1.191E-13	1.849E-13	-321.2925
22	0.22535	SLU-CALOTTA	Max	1.191E-13	1.785E-13	-317.0091
22	0.45069	SLU-CALOTTA	Max	1.191E-13	1.721E-13	-312.7976
22	0.	SLU-CALOTTA	Min	1.191E-13	1.849E-13	-321.2925
22	0.22535	SLU-CALOTTA	Min	1.191E-13	1.785E-13	-317.0091
22	0.45069	SLU-CALOTTA	Min	1.191E-13	1.721E-13	-312.7976
22	0.	SLV-CALOTTA	Max	1.645E-13	1.707E-13	458.6573
22	0.22535	SLV-CALOTTA	Max	1.645E-13	1.451E-13	462.0225
22	0.45069	SLV-CALOTTA	Max	1.645E-13	1.194E-13	466.7866
22	0.	SLV-CALOTTA	Min	1.645E-13	1.707E-13	458.6573
22	0.22535	SLV-CALOTTA	Min	1.645E-13	1.451E-13	462.0225
22	0.45069	SLV-CALOTTA	Min	1.645E-13	1.194E-13	466.7866
23	0.	SLE-DRENO	Max	1.592E-13	2.103E-13	-311.4655
23	0.22535	SLE-DRENO	Max	1.592E-13	2.022E-13	-307.4114
23	0.45069	SLE-DRENO	Max	1.592E-13	1.942E-13	-303.3753
23	0.	SLE-DRENO	Min	1.592E-13	2.103E-13	-311.4655
23	0.22535	SLE-DRENO	Min	1.592E-13	2.022E-13	-307.4114
23	0.45069	SLE-DRENO	Min	1.592E-13	1.942E-13	-303.3753
23	0.	SLU-DRENO	Max	2.072E-13	2.817E-13	-404.9158
23	0.22535	SLU-DRENO	Max	2.072E-13	2.622E-13	-399.6465
23	0.45069	SLU-DRENO	Max	2.072E-13	2.427E-13	-394.4008
23	0.	SLU-DRENO	Min	2.072E-13	2.817E-13	-404.9158
23	0.22535	SLU-DRENO	Min	2.072E-13	2.622E-13	-399.6465
23	0.45069	SLU-DRENO	Min	2.072E-13	2.427E-13	-394.4008
23	0.	SLV-DRENO	Max	2.836E-13	3.343E-13	219.6184
23	0.22535	SLV-DRENO	Max	2.836E-13	3.150E-13	232.6306
23	0.45069	SLV-DRENO	Max	2.836E-13	2.958E-13	247.0564
23	0.	SLV-DRENO	Min	2.836E-13	3.343E-13	219.6184
23	0.22535	SLV-DRENO	Min	2.836E-13	3.150E-13	232.6306
23	0.45069	SLV-DRENO	Min	2.836E-13	2.958E-13	247.0564
23	0.	SLE-CALOTTA	Max	9.468E-14	1.422E-13	-240.5833
23	0.22535	SLE-CALOTTA	Max	9.468E-14	1.422E-13	-248.4535
23	0.45069	SLE-CALOTTA	Max	9.468E-14	1.422E-13	-256.3417
23	0.	SLE-CALOTTA	Min	9.468E-14	1.422E-13	-240.5833
23	0.22535	SLE-CALOTTA	Min	9.468E-14	1.422E-13	-248.4535
23	0.45069	SLE-CALOTTA	Min	9.468E-14	1.422E-13	-256.3417
23	0.	SLU-CALOTTA	Max	1.233E-13	1.636E-13	-312.7976
23	0.22535	SLU-CALOTTA	Max	1.233E-13	1.508E-13	-323.0293
23	0.45069	SLU-CALOTTA	Max	1.233E-13	1.379E-13	-333.2845
23	0.	SLU-CALOTTA	Min	1.233E-13	1.636E-13	-312.7976
23	0.22535	SLU-CALOTTA	Min	1.233E-13	1.508E-13	-323.0293
23	0.45069	SLU-CALOTTA	Min	1.233E-13	1.379E-13	-333.2845
23	0.	SLV-CALOTTA	Max	1.680E-13	1.991E-13	464.5104
23	0.22535	SLV-CALOTTA	Max	1.680E-13	1.734E-13	445.2767

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
23	0.45069	SLV-CALOTTA	Max	1.680E-13	1.478E-13	427.4566
23	0.	SLV-CALOTTA	Min	1.680E-13	1.991E-13	464.5104
23	0.22535	SLV-CALOTTA	Min	1.680E-13	1.734E-13	445.2767
23	0.45069	SLV-CALOTTA	Min	1.680E-13	1.478E-13	427.4566
24	0.	SLE-DRENO	Max	1.644E-13	1.675E-13	-303.3753
24	0.22067	SLE-DRENO	Max	1.644E-13	1.486E-13	-309.1076
24	0.44134	SLE-DRENO	Max	1.644E-13	1.297E-13	-314.8258
24	0.	SLE-DRENO	Min	1.644E-13	1.675E-13	-303.3753
24	0.22067	SLE-DRENO	Min	1.644E-13	1.486E-13	-309.1076
24	0.44134	SLE-DRENO	Min	1.644E-13	1.297E-13	-314.8258
24	0.	SLU-DRENO	Max	2.130E-13	1.951E-13	-394.4008
24	0.22067	SLU-DRENO	Max	2.130E-13	1.822E-13	-401.8531
24	0.44134	SLU-DRENO	Max	2.130E-13	1.693E-13	-409.2871
24	0.	SLU-DRENO	Min	2.130E-13	1.951E-13	-394.4008
24	0.22067	SLU-DRENO	Min	2.130E-13	1.822E-13	-401.8531
24	0.44134	SLU-DRENO	Min	2.130E-13	1.693E-13	-409.2871
24	0.	SLV-DRENO	Max	2.912E-13	3.200E-13	244.8229
24	0.22067	SLV-DRENO	Max	2.912E-13	2.825E-13	239.5475
24	0.44134	SLV-DRENO	Max	2.912E-13	2.450E-13	235.6632
24	0.	SLV-DRENO	Min	2.912E-13	3.200E-13	244.8229
24	0.22067	SLV-DRENO	Min	2.912E-13	2.825E-13	239.5475
24	0.44134	SLV-DRENO	Min	2.912E-13	2.450E-13	235.6632
24	0.	SLE-CALOTTA	Max	9.557E-14	5.691E-14	-256.3417
24	0.22067	SLE-CALOTTA	Max	9.557E-14	4.436E-14	-276.2366
24	0.44134	SLE-CALOTTA	Max	9.557E-14	3.180E-14	-296.1173
24	0.	SLE-CALOTTA	Min	9.557E-14	5.691E-14	-256.3417
24	0.22067	SLE-CALOTTA	Min	9.557E-14	4.436E-14	-276.2366
24	0.44134	SLE-CALOTTA	Min	9.557E-14	3.180E-14	-296.1173
24	0.	SLU-CALOTTA	Max	1.263E-13	8.534E-14	-333.2845
24	0.22067	SLU-CALOTTA	Max	1.263E-13	7.280E-14	-359.1474
24	0.44134	SLU-CALOTTA	Max	1.263E-13	6.026E-14	-384.9919
24	0.	SLU-CALOTTA	Min	1.263E-13	8.534E-14	-333.2845
24	0.22067	SLU-CALOTTA	Min	1.263E-13	7.280E-14	-359.1474
24	0.44134	SLU-CALOTTA	Min	1.263E-13	6.026E-14	-384.9919
24	0.	SLV-CALOTTA	Max	1.707E-13	2.275E-13	425.2231
24	0.22067	SLV-CALOTTA	Max	1.707E-13	1.272E-13	383.1302
24	0.44134	SLV-CALOTTA	Max	1.707E-13	2.709E-14	342.4283
24	0.	SLV-CALOTTA	Min	1.707E-13	2.275E-13	425.2231
24	0.22067	SLV-CALOTTA	Min	1.707E-13	1.272E-13	383.1302
24	0.44134	SLV-CALOTTA	Min	1.707E-13	2.709E-14	342.4283
25	0.	SLE-DRENO	Max	1.683E-13	1.283E-13	-314.8258
25	0.22067	SLE-DRENO	Max	1.683E-13	9.839E-14	-331.467
25	0.44134	SLE-DRENO	Max	1.683E-13	6.853E-14	-348.065
25	0.	SLE-DRENO	Min	1.683E-13	1.283E-13	-314.8258
25	0.22067	SLE-DRENO	Min	1.683E-13	9.839E-14	-331.467
25	0.44134	SLE-DRENO	Min	1.683E-13	6.853E-14	-348.065
25	0.	SLU-DRENO	Max	2.189E-13	1.590E-13	-409.2871
25	0.22067	SLU-DRENO	Max	2.189E-13	1.145E-13	-430.9203
25	0.44134	SLU-DRENO	Max	2.189E-13	6.990E-14	-452.4972
25	0.	SLU-DRENO	Min	2.189E-13	1.590E-13	-409.2871
25	0.22067	SLU-DRENO	Min	2.189E-13	1.145E-13	-430.9203
25	0.44134	SLU-DRENO	Min	2.189E-13	6.990E-14	-452.4972
25	0.	SLV-DRENO	Max	2.960E-13	2.844E-13	233.5214
25	0.22067	SLV-DRENO	Max	2.960E-13	2.281E-13	208.9618
25	0.44134	SLV-DRENO	Max	2.960E-13	1.719E-13	185.8529
25	0.	SLV-DRENO	Min	2.960E-13	2.844E-13	233.5214
25	0.22067	SLV-DRENO	Min	2.960E-13	2.281E-13	208.9618
25	0.44134	SLV-DRENO	Min	2.960E-13	1.719E-13	185.8529
25	0.	SLE-CALOTTA	Max	9.824E-14	5.689E-14	-296.1173

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
25	0.22067	SLE-CALOTTA	Max	9.824E-14	5.688E-14	-329.415
25	0.44134	SLE-CALOTTA	Max	9.824E-14	5.687E-14	-362.6695
25	0.	SLE-CALOTTA	Min	9.824E-14	5.689E-14	-296.1173
25	0.22067	SLE-CALOTTA	Min	9.824E-14	5.688E-14	-329.415
25	0.44134	SLE-CALOTTA	Min	9.824E-14	5.687E-14	-362.6695
25	0.	SLU-CALOTTA	Max	1.297E-13	7.113E-14	-384.9919
25	0.22067	SLU-CALOTTA	Max	1.297E-13	4.602E-14	-428.2775
25	0.44134	SLU-CALOTTA	Max	1.297E-13	2.091E-14	-471.5069
25	0.	SLU-CALOTTA	Min	1.297E-13	7.113E-14	-384.9919
25	0.22067	SLU-CALOTTA	Min	1.297E-13	4.602E-14	-428.2775
25	0.44134	SLU-CALOTTA	Min	1.297E-13	2.091E-14	-471.5069
25	0.	SLV-CALOTTA	Max	1.729E-13	1.422E-13	340.2865
25	0.22067	SLV-CALOTTA	Max	1.729E-13	9.210E-14	273.8681
25	0.44134	SLV-CALOTTA	Max	1.729E-13	4.216E-14	208.9005
25	0.	SLV-CALOTTA	Min	1.729E-13	1.422E-13	340.2865
25	0.22067	SLV-CALOTTA	Min	1.729E-13	9.210E-14	273.8681
25	0.44134	SLV-CALOTTA	Min	1.729E-13	4.216E-14	208.9005
26	0.	SLE-DRENO	Max	1.716E-13	7.484E-14	-348.065
26	0.22067	SLE-DRENO	Max	1.716E-13	2.454E-14	-376.3202
26	0.44134	SLE-DRENO	Max	1.716E-13	-2.576E-14	-404.5004
26	0.	SLE-DRENO	Min	1.716E-13	7.484E-14	-348.065
26	0.22067	SLE-DRENO	Min	1.716E-13	2.454E-14	-376.3202
26	0.44134	SLE-DRENO	Min	1.716E-13	-2.576E-14	-404.5004
26	0.	SLU-DRENO	Max	2.218E-13	8.658E-14	-452.4972
26	0.22067	SLU-DRENO	Max	2.218E-13	3.553E-14	-489.2277
26	0.44134	SLU-DRENO	Max	2.218E-13	-1.551E-14	-525.8609
26	0.	SLU-DRENO	Min	2.218E-13	8.658E-14	-452.4972
26	0.22067	SLU-DRENO	Min	2.218E-13	3.553E-14	-489.2277
26	0.44134	SLU-DRENO	Min	2.218E-13	-1.551E-14	-525.8609
26	0.	SLV-DRENO	Max	2.996E-13	1.565E-13	183.6695
26	0.22067	SLV-DRENO	Max	2.996E-13	1.063E-13	139.1048
26	0.44134	SLV-DRENO	Max	2.996E-13	5.639E-14	96.08
26	0.	SLV-DRENO	Min	2.996E-13	1.565E-13	183.6695
26	0.22067	SLV-DRENO	Min	2.996E-13	1.063E-13	139.1048
26	0.44134	SLV-DRENO	Min	2.996E-13	5.639E-14	96.08
26	0.	SLE-CALOTTA	Max	1.005E-13	6.939E-18	-362.6695
26	0.22067	SLE-CALOTTA	Max	1.005E-13	-2.510E-14	-410.1235
26	0.44134	SLE-CALOTTA	Max	1.005E-13	-5.020E-14	-457.5026
26	0.	SLE-CALOTTA	Min	1.005E-13	6.939E-18	-362.6695
26	0.22067	SLE-CALOTTA	Min	1.005E-13	-2.510E-14	-410.1235
26	0.44134	SLE-CALOTTA	Min	1.005E-13	-5.020E-14	-457.5026
26	0.	SLU-CALOTTA	Max	1.315E-13	1.420E-14	-471.5069
26	0.22067	SLU-CALOTTA	Max	1.315E-13	-2.344E-14	-533.1948
26	0.44134	SLU-CALOTTA	Max	1.315E-13	-6.107E-14	-594.7853
26	0.	SLU-CALOTTA	Min	1.315E-13	1.420E-14	-471.5069
26	0.22067	SLU-CALOTTA	Min	1.315E-13	-2.344E-14	-533.1948
26	0.44134	SLU-CALOTTA	Min	1.315E-13	-6.107E-14	-594.7853
26	0.	SLV-CALOTTA	Max	1.742E-13	-5.679E-14	206.7171
26	0.22067	SLV-CALOTTA	Max	1.742E-13	-6.568E-15	115.2961
26	0.44134	SLV-CALOTTA	Max	1.742E-13	4.384E-14	25.4151
26	0.	SLV-CALOTTA	Min	1.742E-13	-5.679E-14	206.7171
26	0.22067	SLV-CALOTTA	Min	1.742E-13	-6.568E-15	115.2961
26	0.44134	SLV-CALOTTA	Min	1.742E-13	4.384E-14	25.4151
27	0.	SLE-DRENO	Max	1.731E-13	-2.776E-17	-404.5004
27	0.22052	SLE-DRENO	Max	1.731E-13	-3.775E-14	-444.9911
27	0.44103	SLE-DRENO	Max	1.731E-13	-7.547E-14	-485.3692
27	0.	SLE-DRENO	Min	1.731E-13	-2.776E-17	-404.5004
27	0.22052	SLE-DRENO	Min	1.731E-13	-3.775E-14	-444.9911
27	0.44103	SLE-DRENO	Min	1.731E-13	-7.547E-14	-485.3692



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
27	0.	SLU-DRENO	Max	2.232E-13	1.403E-14	-525.8609
27	0.22052	SLU-DRENO	Max	2.232E-13	-6.222E-14	-578.4967
27	0.44103	SLU-DRENO	Max	2.232E-13	-1.385E-13	-630.9861
27	0.	SLU-DRENO	Min	2.232E-13	1.403E-14	-525.8609
27	0.22052	SLU-DRENO	Min	2.232E-13	-6.222E-14	-578.4967
27	0.44103	SLU-DRENO	Min	2.232E-13	-1.385E-13	-630.9861
27	0.	SLV-DRENO	Max	3.007E-13	2.848E-14	93.8134
27	0.22052	SLV-DRENO	Max	3.007E-13	-3.417E-14	28.6474
27	0.44103	SLV-DRENO	Max	3.007E-13	-9.660E-14	-34.831
27	0.	SLV-DRENO	Min	3.007E-13	2.848E-14	93.8134
27	0.22052	SLV-DRENO	Min	3.007E-13	-3.417E-14	28.6474
27	0.44103	SLV-DRENO	Min	3.007E-13	-9.660E-14	-34.831
27	0.	SLE-CALOTTA	Max	1.009E-13	-5.688E-14	-457.5026
27	0.22052	SLE-CALOTTA	Max	1.009E-13	-8.197E-14	-519.7734
27	0.44103	SLE-CALOTTA	Max	1.009E-13	-1.070E-13	-581.9316
27	0.	SLE-CALOTTA	Min	1.009E-13	-5.688E-14	-457.5026
27	0.22052	SLE-CALOTTA	Min	1.009E-13	-8.197E-14	-519.7734
27	0.44103	SLE-CALOTTA	Min	1.009E-13	-1.070E-13	-581.9316
27	0.	SLU-CALOTTA	Max	1.322E-13	-5.689E-14	-594.7853
27	0.22052	SLU-CALOTTA	Max	1.322E-13	-8.826E-14	-675.7341
27	0.44103	SLU-CALOTTA	Max	1.322E-13	-1.196E-13	-756.5365
27	0.	SLU-CALOTTA	Min	1.322E-13	-5.689E-14	-594.7853
27	0.22052	SLU-CALOTTA	Min	1.322E-13	-8.826E-14	-675.7341
27	0.44103	SLU-CALOTTA	Min	1.322E-13	-1.196E-13	-756.5365
27	0.	SLV-CALOTTA	Max	1.722E-13	-5.551E-17	23.1485
27	0.22052	SLV-CALOTTA	Max	1.722E-13	-1.003E-13	-93.7977
27	0.44103	SLV-CALOTTA	Max	1.722E-13	-2.003E-13	-209.0563
27	0.	SLV-CALOTTA	Min	1.722E-13	-5.551E-17	23.1485
27	0.22052	SLV-CALOTTA	Min	1.722E-13	-1.003E-13	-93.7977
27	0.44103	SLV-CALOTTA	Min	1.722E-13	-2.003E-13	-209.0563
28	0.	SLE-DRENO	Max	1.705E-13	-9.269E-14	-485.3692
28	0.16445	SLE-DRENO	Max	1.705E-13	-1.606E-13	-523.8787
28	0.3289	SLE-DRENO	Max	1.705E-13	-2.284E-13	-562.3025
28	0.	SLE-DRENO	Min	1.705E-13	-9.269E-14	-485.3692
28	0.16445	SLE-DRENO	Min	1.705E-13	-1.606E-13	-523.8787
28	0.3289	SLE-DRENO	Min	1.705E-13	-2.284E-13	-562.3025
28	0.	SLU-DRENO	Max	2.214E-13	-1.301E-13	-630.9861
28	0.16445	SLU-DRENO	Max	2.214E-13	-1.680E-13	-681.0463
28	0.3289	SLU-DRENO	Max	2.214E-13	-2.058E-13	-730.995
28	0.	SLU-DRENO	Min	2.214E-13	-1.301E-13	-630.9861
28	0.16445	SLU-DRENO	Min	2.214E-13	-1.680E-13	-681.0463
28	0.3289	SLU-DRENO	Min	2.214E-13	-2.058E-13	-730.995
28	0.	SLV-DRENO	Max	2.974E-13	-1.138E-13	-37.2613
28	0.16445	SLV-DRENO	Max	2.974E-13	-1.512E-13	-99.6955
28	0.3289	SLV-DRENO	Max	2.974E-13	-1.884E-13	-161.083
28	0.	SLV-DRENO	Min	2.974E-13	-1.138E-13	-37.2613
28	0.16445	SLV-DRENO	Min	2.974E-13	-1.512E-13	-99.6955
28	0.3289	SLV-DRENO	Min	2.974E-13	-1.884E-13	-161.083
28	0.	SLE-CALOTTA	Max	1.000E-13	-1.138E-13	-581.9316
28	0.16445	SLE-CALOTTA	Max	1.000E-13	-1.138E-13	-638.4231
28	0.3289	SLE-CALOTTA	Max	1.000E-13	-1.138E-13	-694.8288
28	0.	SLE-CALOTTA	Min	1.000E-13	-1.138E-13	-581.9316
28	0.16445	SLE-CALOTTA	Min	1.000E-13	-1.138E-13	-638.4231
28	0.3289	SLE-CALOTTA	Min	1.000E-13	-1.138E-13	-694.8288
28	0.	SLU-CALOTTA	Max	1.302E-13	-1.351E-13	-756.5365
28	0.16445	SLU-CALOTTA	Max	1.302E-13	-1.538E-13	-829.9723
28	0.3289	SLU-CALOTTA	Max	1.302E-13	-1.725E-13	-903.2967
28	0.	SLU-CALOTTA	Min	1.302E-13	-1.351E-13	-756.5365
28	0.16445	SLU-CALOTTA	Min	1.302E-13	-1.538E-13	-829.9723

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
28	0.3289	SLU-CALOTTA	Min	1.302E-13	-1.725E-13	-903.2967
28	0.	SLV-CALOTTA	Max	1.714E-13	-1.138E-13	-211.4867
28	0.16445	SLV-CALOTTA	Max	1.714E-13	-1.512E-13	-315.7682
28	0.3289	SLV-CALOTTA	Max	1.714E-13	-1.884E-13	-419.003
28	0.	SLV-CALOTTA	Min	1.714E-13	-1.138E-13	-211.4867
28	0.16445	SLV-CALOTTA	Min	1.714E-13	-1.512E-13	-315.7682
28	0.3289	SLV-CALOTTA	Min	1.714E-13	-1.884E-13	-419.003
29	0.	SLE-DRENO	Max	1.705E-13	-1.817E-13	-562.3025
29	0.16445	SLE-DRENO	Max	1.705E-13	-2.098E-13	-608.2416
29	0.3289	SLE-DRENO	Max	1.705E-13	-2.379E-13	-654.0723
29	0.	SLE-DRENO	Min	1.705E-13	-1.817E-13	-562.3025
29	0.16445	SLE-DRENO	Min	1.705E-13	-2.098E-13	-608.2416
29	0.3289	SLE-DRENO	Min	1.705E-13	-2.379E-13	-654.0723
29	0.	SLU-DRENO	Max	2.204E-13	-2.169E-13	-730.995
29	0.16445	SLU-DRENO	Max	2.204E-13	-2.641E-13	-790.7131
29	0.3289	SLU-DRENO	Max	2.204E-13	-3.112E-13	-850.2904
29	0.	SLU-DRENO	Min	2.204E-13	-2.169E-13	-730.995
29	0.16445	SLU-DRENO	Min	2.204E-13	-2.641E-13	-790.7131
29	0.3289	SLU-DRENO	Min	2.204E-13	-3.112E-13	-850.2904
29	0.	SLV-DRENO	Max	2.936E-13	-2.133E-13	-162.5624
29	0.16445	SLV-DRENO	Max	2.936E-13	-2.694E-13	-237.14
29	0.3289	SLV-DRENO	Max	2.936E-13	-3.253E-13	-310.5714
29	0.	SLV-DRENO	Min	2.936E-13	-2.133E-13	-162.5624
29	0.16445	SLV-DRENO	Min	2.936E-13	-2.694E-13	-237.14
29	0.3289	SLV-DRENO	Min	2.936E-13	-3.253E-13	-310.5714
29	0.	SLE-CALOTTA	Max	9.690E-14	-1.138E-13	-694.8288
29	0.16445	SLE-CALOTTA	Max	9.690E-14	-1.138E-13	-760.1818
29	0.3289	SLE-CALOTTA	Max	9.690E-14	-1.138E-13	-825.4265
29	0.	SLE-CALOTTA	Min	9.690E-14	-1.138E-13	-694.8288
29	0.16445	SLE-CALOTTA	Min	9.690E-14	-1.138E-13	-760.1818
29	0.3289	SLE-CALOTTA	Min	9.690E-14	-1.138E-13	-825.4265
29	0.	SLU-CALOTTA	Max	1.290E-13	-2.063E-13	-903.2967
29	0.16445	SLU-CALOTTA	Max	1.290E-13	-2.250E-13	-988.252
29	0.3289	SLU-CALOTTA	Max	1.290E-13	-2.437E-13	-1073.0664
29	0.	SLU-CALOTTA	Min	1.290E-13	-2.063E-13	-903.2967
29	0.16445	SLU-CALOTTA	Min	1.290E-13	-2.250E-13	-988.252
29	0.3289	SLU-CALOTTA	Min	1.290E-13	-2.437E-13	-1073.0664
29	0.	SLV-CALOTTA	Max	1.680E-13	-2.276E-13	-420.4824
29	0.16445	SLV-CALOTTA	Max	1.680E-13	-3.023E-13	-539.4815
29	0.3289	SLV-CALOTTA	Max	1.680E-13	-3.769E-13	-657.3344
29	0.	SLV-CALOTTA	Min	1.680E-13	-2.276E-13	-420.4824
29	0.16445	SLV-CALOTTA	Min	1.680E-13	-3.023E-13	-539.4815
29	0.3289	SLV-CALOTTA	Min	1.680E-13	-3.769E-13	-657.3344
30	0.	SLE-DRENO	Max	1.699E-13	-2.068E-13	-654.0723
30	0.16445	SLE-DRENO	Max	1.699E-13	-2.724E-13	-707.7087
30	0.3289	SLE-DRENO	Max	1.699E-13	-3.380E-13	-761.2101
30	0.	SLE-DRENO	Min	1.699E-13	-2.068E-13	-654.0723
30	0.16445	SLE-DRENO	Min	1.699E-13	-2.724E-13	-707.7087
30	0.3289	SLE-DRENO	Min	1.699E-13	-3.380E-13	-761.2101
30	0.	SLU-DRENO	Max	2.166E-13	-3.173E-13	-850.2904
30	0.16445	SLU-DRENO	Max	2.166E-13	-3.745E-13	-920.0144
30	0.3289	SLU-DRENO	Max	2.166E-13	-4.317E-13	-989.563
30	0.	SLU-DRENO	Min	2.166E-13	-3.173E-13	-850.2904
30	0.16445	SLU-DRENO	Min	2.166E-13	-3.745E-13	-920.0144
30	0.3289	SLU-DRENO	Min	2.166E-13	-4.317E-13	-989.563
30	0.	SLV-DRENO	Max	2.877E-13	-3.413E-13	-312.1661
30	0.16445	SLV-DRENO	Max	2.877E-13	-4.162E-13	-399.2098
30	0.3289	SLV-DRENO	Max	2.877E-13	-4.909E-13	-484.9886
30	0.	SLV-DRENO	Min	2.877E-13	-3.413E-13	-312.1661

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
30	0.16445	SLV-DRENO	Min	2.877E-13	-4.162E-13	-399.2098
30	0.3289	SLV-DRENO	Min	2.877E-13	-4.909E-13	-484.9886
30	0.	SLE-CALOTTA	Max	9.779E-14	-1.707E-13	-825.4265
30	0.16445	SLE-CALOTTA	Max	9.779E-14	-2.081E-13	-899.8653
30	0.3289	SLE-CALOTTA	Max	9.779E-14	-2.456E-13	-974.1692
30	0.	SLE-CALOTTA	Min	9.779E-14	-1.707E-13	-825.4265
30	0.16445	SLE-CALOTTA	Min	9.779E-14	-2.081E-13	-899.8653
30	0.3289	SLE-CALOTTA	Min	9.779E-14	-2.456E-13	-974.1692
30	0.	SLU-CALOTTA	Max	1.270E-13	-2.702E-13	-1073.0664
30	0.16445	SLU-CALOTTA	Max	1.270E-13	-3.077E-13	-1169.8327
30	0.3289	SLU-CALOTTA	Max	1.270E-13	-3.451E-13	-1266.4235
30	0.	SLU-CALOTTA	Min	1.270E-13	-2.702E-13	-1073.0664
30	0.16445	SLU-CALOTTA	Min	1.270E-13	-3.077E-13	-1169.8327
30	0.3289	SLU-CALOTTA	Min	1.270E-13	-3.451E-13	-1266.4235
30	0.	SLV-CALOTTA	Max	1.651E-13	-1.708E-13	-658.929
30	0.16445	SLV-CALOTTA	Max	1.651E-13	-3.203E-13	-792.8093
30	0.3289	SLV-CALOTTA	Max	1.651E-13	-4.697E-13	-925.4248
30	0.	SLV-CALOTTA	Min	1.651E-13	-1.708E-13	-658.929
30	0.16445	SLV-CALOTTA	Min	1.651E-13	-3.203E-13	-792.8093
30	0.3289	SLV-CALOTTA	Min	1.651E-13	-4.697E-13	-925.4248
31	0.	SLE-DRENO	Max	-1.065E-13	-4.026E-13	-760.7389
31	0.23797	SLE-DRENO	Max	-1.065E-13	-4.093E-13	-650.3437
31	0.47593	SLE-DRENO	Max	-1.065E-13	-4.158E-13	-537.737
31	0.	SLE-DRENO	Min	-1.065E-13	-4.026E-13	-760.7389
31	0.23797	SLE-DRENO	Min	-1.065E-13	-4.093E-13	-650.3437
31	0.47593	SLE-DRENO	Min	-1.065E-13	-4.158E-13	-537.737
31	0.	SLU-DRENO	Max	-1.481E-13	-4.762E-13	-988.9507
31	0.23797	SLU-DRENO	Max	-1.481E-13	-5.311E-13	-845.442
31	0.47593	SLU-DRENO	Max	-1.481E-13	-5.856E-13	-699.0582
31	0.	SLU-DRENO	Min	-1.481E-13	-4.762E-13	-988.9507
31	0.23797	SLU-DRENO	Min	-1.481E-13	-5.311E-13	-845.442
31	0.47593	SLU-DRENO	Min	-1.481E-13	-5.856E-13	-699.0582
31	0.	SLV-DRENO	Max	-1.956E-13	-5.121E-13	-483.6359
31	0.23797	SLV-DRENO	Max	-1.956E-13	-5.660E-13	-376.8284
31	0.47593	SLV-DRENO	Max	-1.956E-13	-6.194E-13	-266.4113
31	0.	SLV-DRENO	Min	-1.956E-13	-5.121E-13	-483.6359
31	0.23797	SLV-DRENO	Min	-1.956E-13	-5.660E-13	-376.8284
31	0.47593	SLV-DRENO	Min	-1.956E-13	-6.194E-13	-266.4113
31	0.	SLE-CALOTTA	Max	-7.111E-14	-2.845E-13	-973.4073
31	0.23797	SLE-CALOTTA	Max	-7.111E-14	-3.385E-13	-841.5495
31	0.47593	SLE-CALOTTA	Max	-7.111E-14	-3.921E-13	-707.4801
31	0.	SLE-CALOTTA	Min	-7.111E-14	-2.845E-13	-973.4073
31	0.23797	SLE-CALOTTA	Min	-7.111E-14	-3.385E-13	-841.5495
31	0.47593	SLE-CALOTTA	Min	-7.111E-14	-3.921E-13	-707.4801
31	0.	SLU-CALOTTA	Max	-8.535E-14	-3.414E-13	-1265.4336
31	0.23797	SLU-CALOTTA	Max	-8.535E-14	-3.683E-13	-1094.0204
31	0.47593	SLU-CALOTTA	Max	-8.535E-14	-3.949E-13	-919.7321
31	0.	SLU-CALOTTA	Min	-8.535E-14	-3.414E-13	-1265.4336
31	0.23797	SLU-CALOTTA	Min	-8.535E-14	-3.683E-13	-1094.0204
31	0.47593	SLU-CALOTTA	Min	-8.535E-14	-3.949E-13	-919.7321
31	0.	SLV-CALOTTA	Max	-1.067E-13	-3.415E-13	-920.2949
31	0.23797	SLV-CALOTTA	Max	-1.067E-13	-3.413E-13	-792.7691
31	0.47593	SLV-CALOTTA	Max	-1.067E-13	-3.406E-13	-661.6337
31	0.	SLV-CALOTTA	Min	-1.067E-13	-3.415E-13	-920.2949
31	0.23797	SLV-CALOTTA	Min	-1.067E-13	-3.413E-13	-792.7691
31	0.47593	SLV-CALOTTA	Min	-1.067E-13	-3.406E-13	-661.6337
32	0.	SLE-DRENO	Max	-1.100E-13	-4.562E-13	-537.737
32	0.23797	SLE-DRENO	Max	-1.100E-13	-4.358E-13	-439.5985
32	0.47593	SLE-DRENO	Max	-1.100E-13	-4.152E-13	-339.5587

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
32	0.	SLE-DRENO	Min	-1.100E-13	-4.562E-13	-537.737
32	0.23797	SLE-DRENO	Min	-1.100E-13	-4.358E-13	-439.5985
32	0.47593	SLE-DRENO	Min	-1.100E-13	-4.152E-13	-339.5587
32	0.	SLU-DRENO	Max	-1.355E-13	-5.921E-13	-699.0582
32	0.23797	SLU-DRENO	Max	-1.355E-13	-6.333E-13	-571.4822
32	0.47593	SLU-DRENO	Max	-1.355E-13	-6.742E-13	-441.4346
32	0.	SLV-DRENO	Min	-1.355E-13	-5.921E-13	-699.0582
32	0.23797	SLV-DRENO	Min	-1.355E-13	-6.333E-13	-571.4822
32	0.47593	SLV-DRENO	Min	-1.355E-13	-6.742E-13	-441.4346
32	0.	SLV-DRENO	Max	-1.902E-13	-6.827E-13	-268.1409
32	0.23797	SLV-DRENO	Max	-1.902E-13	-7.368E-13	-180.6883
32	0.47593	SLV-DRENO	Max	-1.902E-13	-7.905E-13	-90.1328
32	0.	SLV-DRENO	Min	-1.902E-13	-6.827E-13	-268.1409
32	0.23797	SLV-DRENO	Min	-1.902E-13	-7.368E-13	-180.6883
32	0.47593	SLV-DRENO	Min	-1.902E-13	-7.905E-13	-90.1328
32	0.	SLE-CALOTTA	Max	-6.045E-14	-3.129E-13	-707.4801
32	0.23797	SLE-CALOTTA	Max	-6.045E-14	-3.399E-13	-590.9297
32	0.47593	SLE-CALOTTA	Max	-6.045E-14	-3.666E-13	-472.478
32	0.	SLE-CALOTTA	Min	-6.045E-14	-3.129E-13	-707.4801
32	0.23797	SLE-CALOTTA	Min	-6.045E-14	-3.399E-13	-590.9297
32	0.47593	SLE-CALOTTA	Min	-6.045E-14	-3.666E-13	-472.478
32	0.	SLU-CALOTTA	Max	-8.357E-14	-4.125E-13	-919.7321
32	0.23797	SLU-CALOTTA	Max	-8.357E-14	-4.191E-13	-768.2178
32	0.47593	SLU-CALOTTA	Max	-8.357E-14	-4.254E-13	-614.2319
32	0.	SLU-CALOTTA	Min	-8.357E-14	-4.125E-13	-919.7321
32	0.23797	SLU-CALOTTA	Min	-8.357E-14	-4.191E-13	-768.2178
32	0.47593	SLU-CALOTTA	Min	-8.357E-14	-4.254E-13	-614.2319
32	0.	SLV-CALOTTA	Max	-9.957E-14	-3.983E-13	-663.3633
32	0.23797	SLV-CALOTTA	Max	-9.957E-14	-3.981E-13	-555.6399
32	0.47593	SLV-CALOTTA	Max	-9.957E-14	-3.976E-13	-444.8135
32	0.	SLV-CALOTTA	Min	-9.957E-14	-3.983E-13	-663.3633
32	0.23797	SLV-CALOTTA	Min	-9.957E-14	-3.981E-13	-555.6399
32	0.47593	SLV-CALOTTA	Min	-9.957E-14	-3.976E-13	-444.8135
33	0.	SLE-DRENO	Max	-9.690E-14	-5.060E-13	-339.5587
33	0.23797	SLE-DRENO	Max	-9.690E-14	-5.432E-13	-254.6072
33	0.47593	SLE-DRENO	Max	-9.690E-14	-5.802E-13	-168.2329
33	0.	SLE-DRENO	Min	-9.690E-14	-5.060E-13	-339.5587
33	0.23797	SLE-DRENO	Min	-9.690E-14	-5.432E-13	-254.6072
33	0.47593	SLE-DRENO	Min	-9.690E-14	-5.802E-13	-168.2329
33	0.	SLU-DRENO	Max	-1.336E-13	-6.790E-13	-441.4346
33	0.23797	SLU-DRENO	Max	-1.336E-13	-6.789E-13	-331.0006
33	0.47593	SLU-DRENO	Max	-1.336E-13	-6.786E-13	-218.7172
33	0.	SLU-DRENO	Min	-1.336E-13	-6.790E-13	-441.4346
33	0.23797	SLU-DRENO	Min	-1.336E-13	-6.789E-13	-331.0006
33	0.47593	SLU-DRENO	Min	-1.336E-13	-6.786E-13	-218.7172
33	0.	SLV-DRENO	Max	-1.778E-13	-7.823E-13	-91.6196
33	0.23797	SLV-DRENO	Max	-1.778E-13	-8.092E-13	-24.3835
33	0.47593	SLV-DRENO	Max	-1.778E-13	-8.359E-13	45.1746
33	0.	SLV-DRENO	Min	-1.778E-13	-7.823E-13	-91.6196
33	0.23797	SLV-DRENO	Min	-1.778E-13	-8.092E-13	-24.3835
33	0.47593	SLV-DRENO	Min	-1.778E-13	-8.359E-13	45.1746
33	0.	SLE-CALOTTA	Max	-6.045E-14	-3.130E-13	-472.478
33	0.23797	SLE-CALOTTA	Max	-6.045E-14	-3.129E-13	-372.1734
33	0.47593	SLE-CALOTTA	Max	-6.045E-14	-3.126E-13	-270.4461
33	0.	SLE-CALOTTA	Min	-6.045E-14	-3.130E-13	-472.478
33	0.23797	SLE-CALOTTA	Min	-6.045E-14	-3.129E-13	-372.1734
33	0.47593	SLE-CALOTTA	Min	-6.045E-14	-3.126E-13	-270.4461
33	0.	SLU-CALOTTA	Max	-7.912E-14	-4.197E-13	-614.2319
33	0.23797	SLU-CALOTTA	Max	-7.912E-14	-4.263E-13	-483.8365

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
33	0.47593	SLU-CALOTTA	Max	-7.912E-14	-4.327E-13	-351.5917
33	0.	SLU-CALOTTA	Min	-7.912E-14	-4.197E-13	-614.2319
33	0.23797	SLU-CALOTTA	Min	-7.912E-14	-4.263E-13	-483.8365
33	0.47593	SLU-CALOTTA	Min	-7.912E-14	-4.327E-13	-351.5917
33	0.	SLV-CALOTTA	Max	-1.138E-13	-4.552E-13	-446.3003
33	0.23797	SLV-CALOTTA	Max	-1.138E-13	-4.550E-13	-359.7711
33	0.47593	SLV-CALOTTA	Max	-1.138E-13	-4.545E-13	-270.9199
33	0.	SLV-CALOTTA	Min	-1.138E-13	-4.552E-13	-446.3003
33	0.23797	SLV-CALOTTA	Min	-1.138E-13	-4.550E-13	-359.7711
33	0.47593	SLV-CALOTTA	Min	-1.138E-13	-4.545E-13	-270.9199
34	0.	SLE-DRENO	Max	-1.085E-13	-5.310E-13	-168.2329
34	0.23852	SLE-DRENO	Max	-1.085E-13	-5.140E-13	-93.6249
34	0.47704	SLE-DRENO	Max	-1.085E-13	-4.968E-13	-17.5757
34	0.	SLE-DRENO	Min	-1.085E-13	-5.310E-13	-168.2329
34	0.23852	SLE-DRENO	Min	-1.085E-13	-5.140E-13	-93.6249
34	0.47704	SLE-DRENO	Min	-1.085E-13	-4.968E-13	-17.5757
34	0.	SLU-DRENO	Max	-1.444E-13	-7.076E-13	-218.7172
34	0.23852	SLU-DRENO	Max	-1.444E-13	-6.936E-13	-121.7291
34	0.47704	SLU-DRENO	Max	-1.444E-13	-6.794E-13	-22.8675
34	0.	SLU-DRENO	Min	-1.444E-13	-7.076E-13	-218.7172
34	0.23852	SLU-DRENO	Min	-1.444E-13	-6.936E-13	-121.7291
34	0.47704	SLU-DRENO	Min	-1.444E-13	-6.794E-13	-22.8675
34	0.	SLV-DRENO	Max	-1.920E-13	-8.392E-13	44.0619
34	0.23852	SLV-DRENO	Max	-1.920E-13	-8.391E-13	95.4837
34	0.47704	SLV-DRENO	Max	-1.920E-13	-8.387E-13	149.2207
34	0.	SLV-DRENO	Min	-1.920E-13	-8.392E-13	44.0619
34	0.23852	SLV-DRENO	Min	-1.920E-13	-8.391E-13	95.4837
34	0.47704	SLV-DRENO	Min	-1.920E-13	-8.387E-13	149.2207
34	0.	SLE-CALOTTA	Max	-7.111E-14	-3.129E-13	-270.4461
34	0.23852	SLE-CALOTTA	Max	-7.111E-14	-3.128E-13	-182.7035
34	0.47704	SLE-CALOTTA	Max	-7.111E-14	-3.126E-13	-93.5197
34	0.	SLE-CALOTTA	Min	-7.111E-14	-3.129E-13	-270.4461
34	0.23852	SLE-CALOTTA	Min	-7.111E-14	-3.128E-13	-182.7035
34	0.47704	SLE-CALOTTA	Min	-7.111E-14	-3.126E-13	-93.5197
34	0.	SLU-CALOTTA	Max	-8.712E-14	-4.125E-13	-351.5917
34	0.23852	SLU-CALOTTA	Max	-8.712E-14	-4.124E-13	-237.5262
34	0.47704	SLU-CALOTTA	Max	-8.712E-14	-4.120E-13	-121.5874
34	0.	SLU-CALOTTA	Min	-8.712E-14	-4.125E-13	-351.5917
34	0.23852	SLU-CALOTTA	Min	-8.712E-14	-4.124E-13	-237.5262
34	0.47704	SLU-CALOTTA	Min	-8.712E-14	-4.120E-13	-121.5874
34	0.	SLV-CALOTTA	Max	-1.067E-13	-4.552E-13	-272.0325
34	0.23852	SLV-CALOTTA	Max	-1.067E-13	-4.551E-13	-201.409
34	0.47704	SLV-CALOTTA	Max	-1.067E-13	-4.546E-13	-128.4703
34	0.	SLV-CALOTTA	Min	-1.067E-13	-4.552E-13	-272.0325
34	0.23852	SLV-CALOTTA	Min	-1.067E-13	-4.551E-13	-201.409
34	0.47704	SLV-CALOTTA	Min	-1.067E-13	-4.546E-13	-128.4703
35	0.	SLE-DRENO	Max	-1.218E-13	-5.239E-13	-17.5757
35	0.23852	SLE-DRENO	Max	-1.218E-13	-5.238E-13	49.8721
35	0.47704	SLE-DRENO	Max	-1.218E-13	-5.235E-13	118.7831
35	0.	SLE-DRENO	Min	-1.218E-13	-5.239E-13	-17.5757
35	0.23852	SLE-DRENO	Min	-1.218E-13	-5.238E-13	49.8721
35	0.47704	SLE-DRENO	Min	-1.218E-13	-5.235E-13	118.7831
35	0.	SLU-DRENO	Max	-1.607E-13	-6.642E-13	-22.8675
35	0.23852	SLU-DRENO	Max	-1.607E-13	-6.506E-13	64.8129
35	0.47704	SLU-DRENO	Max	-1.607E-13	-6.367E-13	154.3954
35	0.	SLU-DRENO	Min	-1.607E-13	-6.642E-13	-22.8675
35	0.23852	SLU-DRENO	Min	-1.607E-13	-6.506E-13	64.8129
35	0.47704	SLU-DRENO	Min	-1.607E-13	-6.367E-13	154.3954
35	0.	SLV-DRENO	Max	-2.134E-13	-8.392E-13	148.151

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
35	0.23852	SLV-DRENO	Max	-2.134E-13	-7.983E-13	189.0069
35	0.47704	SLV-DRENO	Max	-2.134E-13	-7.573E-13	232.1407
35	0.	SLV-DRENO	Min	-2.134E-13	-8.392E-13	148.151
35	0.23852	SLV-DRENO	Min	-2.134E-13	-7.983E-13	189.0069
35	0.47704	SLV-DRENO	Min	-2.134E-13	-7.573E-13	232.1407
35	0.	SLE-CALOTTA	Max	-7.468E-14	-3.129E-13	-93.5197
35	0.23852	SLE-CALOTTA	Max	-7.468E-14	-3.128E-13	-14.3427
35	0.47704	SLE-CALOTTA	Max	-7.468E-14	-3.125E-13	66.2974
35	0.	SLE-CALOTTA	Min	-7.468E-14	-3.129E-13	-93.5197
35	0.23852	SLE-CALOTTA	Min	-7.468E-14	-3.128E-13	-14.3427
35	0.47704	SLE-CALOTTA	Min	-7.468E-14	-3.125E-13	66.2974
35	0.	SLU-CALOTTA	Max	-9.512E-14	-4.125E-13	-121.5874
35	0.23852	SLU-CALOTTA	Max	-9.512E-14	-3.920E-13	-18.6571
35	0.47704	SLU-CALOTTA	Max	-9.512E-14	-3.713E-13	86.1754
35	0.	SLU-CALOTTA	Min	-9.512E-14	-4.125E-13	-121.5874
35	0.23852	SLU-CALOTTA	Min	-9.512E-14	-3.920E-13	-18.6571
35	0.47704	SLU-CALOTTA	Min	-9.512E-14	-3.713E-13	86.1754
35	0.	SLV-CALOTTA	Max	-1.280E-13	-3.983E-13	-129.5401
35	0.23852	SLV-CALOTTA	Max	-1.280E-13	-3.982E-13	-68.8351
35	0.47704	SLV-CALOTTA	Max	-1.280E-13	-3.978E-13	-5.8522
35	0.	SLV-CALOTTA	Min	-1.280E-13	-3.983E-13	-129.5401
35	0.23852	SLV-CALOTTA	Min	-1.280E-13	-3.982E-13	-68.8351
35	0.47704	SLV-CALOTTA	Min	-1.280E-13	-3.978E-13	-5.8522
36	0.	SLE-DRENO	Max	-1.368E-13	-4.918E-13	118.7831
36	0.23852	SLE-DRENO	Max	-1.368E-13	-4.713E-13	178.8385
36	0.47704	SLE-DRENO	Max	-1.368E-13	-4.506E-13	240.3771
36	0.	SLE-DRENO	Min	-1.368E-13	-4.918E-13	118.7831
36	0.23852	SLE-DRENO	Min	-1.368E-13	-4.713E-13	178.8385
36	0.47704	SLE-DRENO	Min	-1.368E-13	-4.506E-13	240.3771
36	0.	SLU-DRENO	Max	-1.832E-13	-6.496E-13	154.3954
36	0.23852	SLU-DRENO	Max	-1.832E-13	-6.358E-13	232.4663
36	0.47704	SLU-DRENO	Max	-1.832E-13	-6.218E-13	312.4652
36	0.	SLU-DRENO	Min	-1.832E-13	-6.496E-13	154.3954
36	0.23852	SLU-DRENO	Min	-1.832E-13	-6.358E-13	232.4663
36	0.47704	SLU-DRENO	Min	-1.832E-13	-6.218E-13	312.4652
36	0.	SLV-DRENO	Max	-2.382E-13	-7.824E-13	231.168
36	0.23852	SLV-DRENO	Max	-2.382E-13	-7.551E-13	262.0901
36	0.47704	SLV-DRENO	Max	-2.382E-13	-7.275E-13	295.2492
36	0.	SLV-DRENO	Min	-2.382E-13	-7.824E-13	231.168
36	0.23852	SLV-DRENO	Min	-2.382E-13	-7.551E-13	262.0901
36	0.47704	SLV-DRENO	Min	-2.382E-13	-7.275E-13	295.2492
36	0.	SLE-CALOTTA	Max	-8.179E-14	-2.560E-13	66.2974
36	0.23852	SLE-CALOTTA	Max	-8.179E-14	-2.288E-13	136.7492
36	0.47704	SLE-CALOTTA	Max	-8.179E-14	-2.014E-13	208.684
36	0.	SLE-CALOTTA	Min	-8.179E-14	-2.560E-13	66.2974
36	0.23852	SLE-CALOTTA	Min	-8.179E-14	-2.288E-13	136.7492
36	0.47704	SLE-CALOTTA	Min	-8.179E-14	-2.014E-13	208.684
36	0.	SLU-CALOTTA	Max	-1.076E-13	-3.485E-13	86.1754
36	0.23852	SLU-CALOTTA	Max	-1.076E-13	-3.348E-13	177.7632
36	0.47704	SLU-CALOTTA	Max	-1.076E-13	-3.209E-13	271.2791
36	0.	SLU-CALOTTA	Min	-1.076E-13	-3.485E-13	86.1754
36	0.23852	SLU-CALOTTA	Min	-1.076E-13	-3.348E-13	177.7632
36	0.47704	SLU-CALOTTA	Min	-1.076E-13	-3.209E-13	271.2791
36	0.	SLV-CALOTTA	Max	-1.316E-13	-3.983E-13	-6.8248
36	0.23852	SLV-CALOTTA	Max	-1.316E-13	-3.440E-13	44.0797
36	0.47704	SLV-CALOTTA	Max	-1.316E-13	-2.893E-13	97.2212
36	0.	SLV-CALOTTA	Min	-1.316E-13	-3.983E-13	-6.8248
36	0.23852	SLV-CALOTTA	Min	-1.316E-13	-3.440E-13	44.0797
36	0.47704	SLV-CALOTTA	Min	-1.316E-13	-2.893E-13	97.2212

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
37	0.	SLE-DRENO	Max	-1.613E-13	-4.597E-13	240.3771
37	0.23852	SLE-DRENO	Max	-1.613E-13	-4.257E-13	292.8486
37	0.47704	SLE-DRENO	Max	-1.613E-13	-3.914E-13	346.821
37	0.	SLE-DRENO	Min	-1.613E-13	-4.597E-13	240.3771
37	0.23852	SLE-DRENO	Min	-1.613E-13	-4.257E-13	292.8486
37	0.47704	SLE-DRENO	Min	-1.613E-13	-3.914E-13	346.821
37	0.	SLU-DRENO	Max	-2.094E-13	-5.641E-13	312.4652
37	0.23852	SLU-DRENO	Max	-2.094E-13	-5.494E-13	380.6775
37	0.47704	SLU-DRENO	Max	-2.094E-13	-5.345E-13	450.8409
37	0.	SLU-DRENO	Min	-2.094E-13	-5.641E-13	312.4652
37	0.23852	SLU-DRENO	Min	-2.094E-13	-5.494E-13	380.6775
37	0.47704	SLU-DRENO	Min	-2.094E-13	-5.345E-13	450.8409
37	0.	SLV-DRENO	Max	-2.738E-13	-7.112E-13	294.3751
37	0.23852	SLV-DRENO	Max	-2.738E-13	-6.975E-13	316.0227
37	0.47704	SLV-DRENO	Max	-2.738E-13	-6.834E-13	339.8634
37	0.	SLV-DRENO	Min	-2.738E-13	-7.112E-13	294.3751
37	0.23852	SLV-DRENO	Min	-2.738E-13	-6.975E-13	316.0227
37	0.47704	SLV-DRENO	Min	-2.738E-13	-6.834E-13	339.8634
37	0.	SLE-CALOTTA	Max	-9.956E-14	-2.844E-13	208.684
37	0.23852	SLE-CALOTTA	Max	-9.956E-14	-2.030E-13	270.2852
37	0.47704	SLE-CALOTTA	Max	-9.956E-14	-1.213E-13	333.3873
37	0.	SLE-CALOTTA	Min	-9.956E-14	-2.844E-13	208.684
37	0.23852	SLE-CALOTTA	Min	-9.956E-14	-2.030E-13	270.2852
37	0.47704	SLE-CALOTTA	Min	-9.956E-14	-1.213E-13	333.3873
37	0.	SLU-CALOTTA	Max	-1.227E-13	-3.343E-13	271.2791
37	0.23852	SLU-CALOTTA	Max	-1.227E-13	-2.934E-13	351.3615
37	0.47704	SLU-CALOTTA	Max	-1.227E-13	-2.524E-13	433.3951
37	0.	SLU-CALOTTA	Min	-1.227E-13	-3.343E-13	271.2791
37	0.23852	SLU-CALOTTA	Min	-1.227E-13	-2.934E-13	351.3615
37	0.47704	SLU-CALOTTA	Min	-1.227E-13	-2.524E-13	433.3951
37	0.	SLV-CALOTTA	Max	-1.529E-13	-3.982E-13	96.3472
37	0.23852	SLV-CALOTTA	Max	-1.529E-13	-3.981E-13	137.6208
37	0.47704	SLV-CALOTTA	Max	-1.529E-13	-3.977E-13	181.0874
37	0.	SLV-CALOTTA	Min	-1.529E-13	-3.982E-13	96.3472
37	0.23852	SLV-CALOTTA	Min	-1.529E-13	-3.981E-13	137.6208
37	0.47704	SLV-CALOTTA	Min	-1.529E-13	-3.977E-13	181.0874
38	0.	SLE-DRENO	Max	-1.726E-13	-4.418E-13	346.821
38	0.23852	SLE-DRENO	Max	-1.726E-13	-3.806E-13	391.5552
38	0.47704	SLE-DRENO	Max	-1.726E-13	-3.192E-13	437.8059
38	0.	SLE-DRENO	Min	-1.726E-13	-4.418E-13	346.821
38	0.23852	SLE-DRENO	Min	-1.726E-13	-3.806E-13	391.5552
38	0.47704	SLE-DRENO	Min	-1.726E-13	-3.192E-13	437.8059
38	0.	SLU-DRENO	Max	-2.311E-13	-5.200E-13	450.8409
38	0.23852	SLU-DRENO	Max	-2.311E-13	-4.922E-13	508.9951
38	0.47704	SLU-DRENO	Max	-2.311E-13	-4.642E-13	569.1208
38	0.	SLU-DRENO	Min	-2.311E-13	-5.200E-13	450.8409
38	0.23852	SLU-DRENO	Min	-2.311E-13	-4.922E-13	508.9951
38	0.47704	SLU-DRENO	Min	-2.311E-13	-4.642E-13	569.1208
38	0.	SLV-DRENO	Max	-2.952E-13	-6.827E-13	339.0892
38	0.23852	SLV-DRENO	Max	-2.952E-13	-6.283E-13	352.1368
38	0.47704	SLV-DRENO	Max	-2.952E-13	-5.736E-13	367.3303
38	0.	SLV-DRENO	Min	-2.952E-13	-6.827E-13	339.0892
38	0.23852	SLV-DRENO	Min	-2.952E-13	-6.283E-13	352.1368
38	0.47704	SLV-DRENO	Min	-2.952E-13	-5.736E-13	367.3303
38	0.	SLE-CALOTTA	Max	-1.067E-13	-1.991E-13	333.3873
38	0.23852	SLE-CALOTTA	Max	-1.067E-13	-2.262E-13	386.0437
38	0.47704	SLE-CALOTTA	Max	-1.067E-13	-2.530E-13	440.2165
38	0.	SLE-CALOTTA	Min	-1.067E-13	-1.991E-13	333.3873
38	0.23852	SLE-CALOTTA	Min	-1.067E-13	-2.262E-13	386.0437

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
38	0.47704	SLE-CALOTTA	Min	-1.067E-13	-2.530E-13	440.2165
38	0.	SLU-CALOTTA	Max	-1.360E-13	-2.489E-13	433.3951
38	0.23852	SLU-CALOTTA	Max	-1.360E-13	-2.420E-13	501.8494
38	0.47704	SLU-CALOTTA	Max	-1.360E-13	-2.349E-13	572.2752
38	0.	SLU-CALOTTA	Min	-1.360E-13	-2.489E-13	433.3951
38	0.23852	SLU-CALOTTA	Min	-1.360E-13	-2.420E-13	501.8494
38	0.47704	SLU-CALOTTA	Min	-1.360E-13	-2.349E-13	572.2752
38	0.	SLV-CALOTTA	Max	-1.636E-13	-3.413E-13	180.3132
38	0.23852	SLV-CALOTTA	Max	-1.636E-13	-3.412E-13	212.1759
38	0.47704	SLV-CALOTTA	Max	-1.636E-13	-3.408E-13	246.1846
38	0.	SLV-CALOTTA	Min	-1.636E-13	-3.413E-13	180.3132
38	0.23852	SLV-CALOTTA	Min	-1.636E-13	-3.412E-13	212.1759
38	0.47704	SLV-CALOTTA	Min	-1.636E-13	-3.408E-13	246.1846
39	0.	SLE-DRENO	Max	-1.929E-13	-3.101E-13	437.8059
39	0.23852	SLE-DRENO	Max	-1.929E-13	-3.065E-13	474.685
39	0.47704	SLE-DRENO	Max	-1.929E-13	-3.027E-13	513.094
39	0.	SLE-DRENO	Min	-1.929E-13	-3.101E-13	437.8059
39	0.23852	SLE-DRENO	Min	-1.929E-13	-3.065E-13	474.685
39	0.47704	SLE-DRENO	Min	-1.929E-13	-3.027E-13	513.094
39	0.	SLU-DRENO	Max	-2.492E-13	-4.471E-13	569.1208
39	0.23852	SLU-DRENO	Max	-2.492E-13	-3.923E-13	617.0638
39	0.47704	SLU-DRENO	Max	-2.492E-13	-3.374E-13	666.9957
39	0.	SLU-DRENO	Min	-2.492E-13	-4.471E-13	569.1208
39	0.23852	SLU-DRENO	Min	-2.492E-13	-3.923E-13	617.0638
39	0.47704	SLU-DRENO	Min	-2.492E-13	-3.374E-13	666.9957
39	0.	SLV-DRENO	Max	-3.254E-13	-5.405E-13	366.6571
39	0.23852	SLV-DRENO	Max	-3.254E-13	-5.133E-13	371.783
39	0.47704	SLV-DRENO	Max	-3.254E-13	-4.858E-13	379.0046
39	0.	SLV-DRENO	Min	-3.254E-13	-5.405E-13	366.6571
39	0.23852	SLV-DRENO	Min	-3.254E-13	-5.133E-13	371.783
39	0.47704	SLV-DRENO	Min	-3.254E-13	-4.858E-13	379.0046
39	0.	SLE-CALOTTA	Max	-1.067E-13	-1.423E-13	440.2165
39	0.23852	SLE-CALOTTA	Max	-1.067E-13	-1.693E-13	483.8616
39	0.47704	SLE-CALOTTA	Max	-1.067E-13	-1.961E-13	529.0367
39	0.	SLE-CALOTTA	Min	-1.067E-13	-1.423E-13	440.2165
39	0.23852	SLE-CALOTTA	Min	-1.067E-13	-1.693E-13	483.8616
39	0.47704	SLE-CALOTTA	Min	-1.067E-13	-1.961E-13	529.0367
39	0.	SLU-CALOTTA	Max	-1.449E-13	-2.418E-13	572.2752
39	0.23852	SLU-CALOTTA	Max	-1.449E-13	-1.942E-13	629.0151
39	0.47704	SLU-CALOTTA	Max	-1.449E-13	-1.464E-13	687.7439
39	0.	SLU-CALOTTA	Min	-1.449E-13	-2.418E-13	572.2752
39	0.23852	SLU-CALOTTA	Min	-1.449E-13	-1.942E-13	629.0151
39	0.47704	SLU-CALOTTA	Min	-1.449E-13	-1.464E-13	687.7439
39	0.	SLV-CALOTTA	Max	-1.742E-13	-1.708E-13	245.5113
39	0.23852	SLV-CALOTTA	Max	-1.742E-13	-1.707E-13	268.2321
39	0.47704	SLV-CALOTTA	Max	-1.742E-13	-1.703E-13	293.0485
39	0.	SLV-CALOTTA	Min	-1.742E-13	-1.708E-13	245.5113
39	0.23852	SLV-CALOTTA	Min	-1.742E-13	-1.707E-13	268.2321
39	0.47704	SLV-CALOTTA	Min	-1.742E-13	-1.703E-13	293.0485
40	0.	SLE-DRENO	Max	-2.029E-13	-2.353E-13	513.094
40	0.23852	SLE-DRENO	Max	-2.029E-13	-2.080E-13	542.0339
40	0.47704	SLE-DRENO	Max	-2.029E-13	-1.806E-13	572.5151
40	0.	SLE-DRENO	Min	-2.029E-13	-2.353E-13	513.094
40	0.23852	SLE-DRENO	Min	-2.029E-13	-2.080E-13	542.0339
40	0.47704	SLE-DRENO	Min	-2.029E-13	-1.806E-13	572.5151
40	0.	SLU-DRENO	Max	-2.708E-13	-2.898E-13	666.9957
40	0.23852	SLU-DRENO	Max	-2.708E-13	-2.892E-13	704.6183
40	0.47704	SLU-DRENO	Max	-2.708E-13	-2.884E-13	744.2445
40	0.	SLU-DRENO	Min	-2.708E-13	-2.898E-13	666.9957



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
40	0.23852	SLU-DRENO	Min	-2.708E-13	-2.892E-13	704.6183
40	0.47704	SLU-DRENO	Min	-2.708E-13	-2.884E-13	744.2445
40	0.	SLV-DRENO	Max	-3.414E-13	-4.551E-13	378.4333
40	0.23852	SLV-DRENO	Max	-3.414E-13	-4.550E-13	376.3096
40	0.47704	SLV-DRENO	Max	-3.414E-13	-4.546E-13	376.2283
40	0.	SLV-DRENO	Min	-3.414E-13	-4.551E-13	378.4333
40	0.23852	SLV-DRENO	Min	-3.414E-13	-4.550E-13	376.3096
40	0.47704	SLV-DRENO	Min	-3.414E-13	-4.546E-13	376.2283
40	0.	SLE-CALOTTA	Max	-1.174E-13	-1.422E-13	529.0367
40	0.23852	SLE-CALOTTA	Max	-1.174E-13	-8.788E-14	563.6297
40	0.47704	SLE-CALOTTA	Max	-1.174E-13	-3.335E-14	599.7639
40	0.	SLE-CALOTTA	Min	-1.174E-13	-1.422E-13	529.0367
40	0.23852	SLE-CALOTTA	Min	-1.174E-13	-8.788E-14	563.6297
40	0.47704	SLE-CALOTTA	Min	-1.174E-13	-3.335E-14	599.7639
40	0.	SLU-CALOTTA	Max	-1.582E-13	-1.494E-13	687.7439
40	0.23852	SLU-CALOTTA	Max	-1.582E-13	-1.357E-13	732.7164
40	0.47704	SLU-CALOTTA	Max	-1.582E-13	-1.217E-13	779.6924
40	0.	SLU-CALOTTA	Min	-1.582E-13	-1.494E-13	687.7439
40	0.23852	SLU-CALOTTA	Min	-1.582E-13	-1.357E-13	732.7164
40	0.47704	SLU-CALOTTA	Min	-1.582E-13	-1.217E-13	779.6924
40	0.	SLV-CALOTTA	Max	-1.814E-13	-2.275E-13	292.4772
40	0.23852	SLV-CALOTTA	Max	-1.814E-13	-2.274E-13	306.3719
40	0.47704	SLV-CALOTTA	Max	-1.814E-13	-2.270E-13	322.309
40	0.	SLV-CALOTTA	Min	-1.814E-13	-2.275E-13	292.4772
40	0.23852	SLV-CALOTTA	Min	-1.814E-13	-2.274E-13	306.3719
40	0.47704	SLV-CALOTTA	Min	-1.814E-13	-2.270E-13	322.309
41	0.	SLE-DRENO	Max	-2.156E-13	-2.316E-13	572.5151
41	0.23852	SLE-DRENO	Max	-2.156E-13	-2.009E-13	593.464
41	0.47704	SLE-DRENO	Max	-2.156E-13	-1.701E-13	615.9632
41	0.	SLE-DRENO	Min	-2.156E-13	-2.316E-13	572.5151
41	0.23852	SLE-DRENO	Min	-2.156E-13	-2.009E-13	593.464
41	0.47704	SLE-DRENO	Min	-2.156E-13	-1.701E-13	615.9632
41	0.	SLU-DRENO	Max	-2.871E-13	-3.030E-13	744.2445
41	0.23852	SLU-DRENO	Max	-2.871E-13	-2.483E-13	771.4792
41	0.47704	SLU-DRENO	Max	-2.871E-13	-1.934E-13	800.7291
41	0.	SLU-DRENO	Min	-2.871E-13	-3.030E-13	744.2445
41	0.23852	SLU-DRENO	Min	-2.871E-13	-2.483E-13	771.4792
41	0.47704	SLU-DRENO	Min	-2.871E-13	-1.934E-13	800.7291
41	0.	SLV-DRENO	Max	-3.610E-13	-3.982E-13	375.7597
41	0.23852	SLV-DRENO	Max	-3.610E-13	-3.710E-13	367.0437
41	0.47704	SLV-DRENO	Max	-3.610E-13	-3.435E-13	360.3138
41	0.	SLV-DRENO	Min	-3.610E-13	-3.982E-13	375.7597
41	0.23852	SLV-DRENO	Min	-3.610E-13	-3.710E-13	367.0437
41	0.47704	SLV-DRENO	Min	-3.610E-13	-3.435E-13	360.3138
41	0.	SLE-CALOTTA	Max	-1.280E-13	-9.714E-17	599.7639
41	0.23852	SLE-CALOTTA	Max	-1.280E-13	-5.421E-14	625.2873
41	0.47704	SLE-CALOTTA	Max	-1.280E-13	-1.081E-13	652.361
41	0.	SLE-CALOTTA	Min	-1.280E-13	-9.714E-17	599.7639
41	0.23852	SLE-CALOTTA	Min	-1.280E-13	-5.421E-14	625.2873
41	0.47704	SLE-CALOTTA	Min	-1.280E-13	-1.081E-13	652.361
41	0.	SLU-CALOTTA	Max	-1.671E-13	-9.959E-14	779.6924
41	0.23852	SLU-CALOTTA	Max	-1.671E-13	-1.062E-13	812.8744
41	0.47704	SLU-CALOTTA	Max	-1.671E-13	-1.126E-13	848.0718
41	0.	SLU-CALOTTA	Min	-1.671E-13	-9.959E-14	779.6924
41	0.23852	SLU-CALOTTA	Min	-1.671E-13	-1.062E-13	812.8744
41	0.47704	SLU-CALOTTA	Min	-1.671E-13	-1.126E-13	848.0718
41	0.	SLV-CALOTTA	Max	-2.062E-13	-2.276E-13	321.8404
41	0.23852	SLV-CALOTTA	Max	-2.062E-13	-1.190E-13	327.2719
41	0.47704	SLV-CALOTTA	Max	-2.062E-13	-1.010E-14	334.6896

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
41	0.	SLV-CALOTTA	Min	-2.062E-13	-2.276E-13	321.8404
41	0.23852	SLV-CALOTTA	Min	-2.062E-13	-1.190E-13	327.2719
41	0.47704	SLV-CALOTTA	Min	-2.062E-13	-1.010E-14	334.6896
42	0.	SLE-DRENO	Max	-2.270E-13	-1.569E-13	615.9632
42	0.23852	SLE-DRENO	Max	-2.270E-13	-1.500E-13	628.8998
42	0.47704	SLE-DRENO	Max	-2.270E-13	-1.429E-13	643.3933
42	0.	SLE-DRENO	Min	-2.270E-13	-1.569E-13	615.9632
42	0.23852	SLE-DRENO	Min	-2.270E-13	-1.500E-13	628.8998
42	0.47704	SLE-DRENO	Min	-2.270E-13	-1.429E-13	643.3933
42	0.	SLU-DRENO	Max	-2.997E-13	-2.027E-13	800.7291
42	0.23852	SLU-DRENO	Max	-2.997E-13	-1.751E-13	817.5481
42	0.47704	SLU-DRENO	Max	-2.997E-13	-1.472E-13	836.3911
42	0.	SLU-DRENO	Min	-2.997E-13	-2.027E-13	800.7291
42	0.23852	SLU-DRENO	Min	-2.997E-13	-1.751E-13	817.5481
42	0.47704	SLU-DRENO	Min	-2.997E-13	-1.472E-13	836.3911
42	0.	SLV-DRENO	Max	-3.805E-13	-3.272E-13	359.9486
42	0.23852	SLV-DRENO	Max	-3.805E-13	-3.271E-13	345.2753
42	0.47704	SLV-DRENO	Max	-3.805E-13	-3.267E-13	332.529
42	0.	SLV-DRENO	Min	-3.805E-13	-3.272E-13	359.9486
42	0.23852	SLV-DRENO	Min	-3.805E-13	-3.271E-13	345.2753
42	0.47704	SLV-DRENO	Min	-3.805E-13	-3.267E-13	332.529
42	0.	SLE-CALOTTA	Max	-1.351E-13	-2.846E-14	652.361
42	0.23852	SLE-CALOTTA	Max	-1.351E-13	-1.252E-15	668.8185
42	0.47704	SLE-CALOTTA	Max	-1.351E-13	2.615E-14	686.833
42	0.	SLE-CALOTTA	Min	-1.351E-13	-2.846E-14	652.361
42	0.23852	SLE-CALOTTA	Min	-1.351E-13	-1.252E-15	668.8185
42	0.47704	SLE-CALOTTA	Min	-1.351E-13	2.615E-14	686.833
42	0.	SLU-CALOTTA	Max	-1.742E-13	-7.822E-14	848.0718
42	0.23852	SLU-CALOTTA	Max	-1.742E-13	-5.775E-14	869.4683
42	0.47704	SLU-CALOTTA	Max	-1.742E-13	-3.704E-14	892.889
42	0.	SLU-CALOTTA	Min	-1.742E-13	-7.822E-14	848.0718
42	0.23852	SLU-CALOTTA	Min	-1.742E-13	-5.775E-14	869.4683
42	0.47704	SLU-CALOTTA	Min	-1.742E-13	-3.704E-14	892.889
42	0.	SLV-CALOTTA	Max	-1.991E-13	-1.138E-13	334.3245
42	0.23852	SLV-CALOTTA	Max	-1.991E-13	-5.216E-15	331.7001
42	0.47704	SLV-CALOTTA	Max	-1.991E-13	1.036E-13	331.0028
42	0.	SLV-CALOTTA	Min	-1.991E-13	-1.138E-13	334.3245
42	0.23852	SLV-CALOTTA	Min	-1.991E-13	-5.216E-15	331.7001
42	0.47704	SLV-CALOTTA	Min	-1.991E-13	1.036E-13	331.0028
43	0.	SLE-DRENO	Max	-2.379E-13	-1.496E-13	643.3933
43	0.23852	SLE-DRENO	Max	-2.379E-13	-1.427E-13	648.3259
43	0.47704	SLE-DRENO	Max	-2.379E-13	-1.356E-13	654.82
43	0.	SLE-DRENO	Min	-2.379E-13	-1.496E-13	643.3933
43	0.23852	SLE-DRENO	Min	-2.379E-13	-1.427E-13	648.3259
43	0.47704	SLE-DRENO	Min	-2.379E-13	-1.356E-13	654.82
43	0.	SLU-DRENO	Max	-3.105E-13	-1.734E-13	836.3911
43	0.23852	SLU-DRENO	Max	-3.105E-13	-1.593E-13	842.8052
43	0.47704	SLU-DRENO	Max	-3.105E-13	-1.450E-13	851.2492
43	0.	SLU-DRENO	Min	-3.105E-13	-1.734E-13	836.3911
43	0.23852	SLU-DRENO	Min	-3.105E-13	-1.593E-13	842.8052
43	0.47704	SLU-DRENO	Min	-3.105E-13	-1.450E-13	851.2492
43	0.	SLV-DRENO	Max	-3.912E-13	-3.413E-13	332.2678
43	0.23852	SLV-DRENO	Max	-3.912E-13	-2.869E-13	312.2445
43	0.47704	SLV-DRENO	Max	-3.912E-13	-2.323E-13	294.0865
43	0.	SLV-DRENO	Min	-3.912E-13	-3.413E-13	332.2678
43	0.23852	SLV-DRENO	Min	-3.912E-13	-2.869E-13	312.2445
43	0.47704	SLV-DRENO	Min	-3.912E-13	-2.323E-13	294.0865
43	0.	SLE-CALOTTA	Max	-1.387E-13	-2.846E-14	686.833
43	0.23852	SLE-CALOTTA	Max	-1.387E-13	-1.251E-15	694.2487

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
43	0.47704	SLE-CALOTTA	Max	-1.387E-13	2.615E-14	703.2259
43	0.	SLE-CALOTTA	Min	-1.387E-13	-2.846E-14	686.833
43	0.23852	SLE-CALOTTA	Min	-1.387E-13	-1.251E-15	694.2487
43	0.47704	SLE-CALOTTA	Min	-1.387E-13	2.615E-14	703.2259
43	0.	SLU-CALOTTA	Max	-1.778E-13	-4.977E-14	892.889
43	0.23852	SLU-CALOTTA	Max	-1.778E-13	-3.607E-14	902.5313
43	0.47704	SLU-CALOTTA	Max	-1.778E-13	-2.213E-14	914.2036
43	0.	SLU-CALOTTA	Min	-1.778E-13	-4.977E-14	892.889
43	0.23852	SLU-CALOTTA	Min	-1.778E-13	-3.607E-14	902.5313
43	0.47704	SLU-CALOTTA	Min	-1.778E-13	-2.213E-14	914.2036
43	0.	SLV-CALOTTA	Max	-2.062E-13	-1.138E-13	330.7416
43	0.23852	SLV-CALOTTA	Max	-2.062E-13	-5.945E-14	320.5139
43	0.47704	SLV-CALOTTA	Max	-2.062E-13	-4.876E-15	312.1514
43	0.	SLV-CALOTTA	Min	-2.062E-13	-1.138E-13	330.7416
43	0.23852	SLV-CALOTTA	Min	-2.062E-13	-5.945E-14	320.5139
43	0.47704	SLV-CALOTTA	Min	-2.062E-13	-4.876E-15	312.1514
44	0.	SLE-DRENO	Max	-2.430E-13	-7.487E-14	654.82
44	0.23852	SLE-DRENO	Max	-2.430E-13	-9.845E-14	651.7857
44	0.47704	SLE-DRENO	Max	-2.430E-13	-1.218E-13	650.3153
44	0.	SLE-DRENO	Min	-2.430E-13	-7.487E-14	654.82
44	0.23852	SLE-DRENO	Min	-2.430E-13	-9.845E-14	651.7857
44	0.47704	SLE-DRENO	Min	-2.430E-13	-1.218E-13	650.3153
44	0.	SLU-DRENO	Max	-3.178E-13	-1.156E-13	851.2492
44	0.23852	SLU-DRENO	Max	-3.178E-13	-8.799E-14	847.3068
44	0.47704	SLU-DRENO	Max	-3.178E-13	-6.010E-14	845.3972
44	0.	SLU-DRENO	Min	-3.178E-13	-1.156E-13	851.2492
44	0.23852	SLU-DRENO	Min	-3.178E-13	-8.799E-14	847.3068
44	0.47704	SLU-DRENO	Min	-3.178E-13	-6.010E-14	845.3972
44	0.	SLV-DRENO	Max	-4.036E-13	-2.418E-13	293.9296
44	0.23852	SLV-DRENO	Max	-4.036E-13	-2.010E-13	269.1317
44	0.47704	SLV-DRENO	Max	-4.036E-13	-1.600E-13	246.1344
44	0.	SLV-DRENO	Min	-4.036E-13	-2.418E-13	293.9296
44	0.23852	SLV-DRENO	Min	-4.036E-13	-2.010E-13	269.1317
44	0.47704	SLV-DRENO	Min	-4.036E-13	-1.600E-13	246.1344
44	0.	SLE-CALOTTA	Max	-1.387E-13	5.684E-14	703.2259
44	0.23852	SLE-CALOTTA	Max	-1.387E-13	5.697E-14	701.6432
44	0.47704	SLE-CALOTTA	Max	-1.387E-13	5.728E-14	701.6242
44	0.	SLE-CALOTTA	Min	-1.387E-13	5.684E-14	703.2259
44	0.23852	SLE-CALOTTA	Min	-1.387E-13	5.697E-14	701.6432
44	0.47704	SLE-CALOTTA	Min	-1.387E-13	5.728E-14	701.6242
44	0.	SLU-CALOTTA	Max	-1.831E-13	2.776E-17	914.2036
44	0.23852	SLU-CALOTTA	Max	-1.831E-13	6.931E-15	912.1479
44	0.47704	SLU-CALOTTA	Max	-1.831E-13	1.408E-14	912.1251
44	0.	SLU-CALOTTA	Min	-1.831E-13	2.776E-17	914.2036
44	0.23852	SLU-CALOTTA	Min	-1.831E-13	6.931E-15	912.1479
44	0.47704	SLU-CALOTTA	Min	-1.831E-13	1.408E-14	912.1251
44	0.	SLV-CALOTTA	Max	-2.134E-13	-5.693E-14	311.9945
44	0.23852	SLV-CALOTTA	Max	-2.134E-13	-2.531E-15	294.6599
44	0.47704	SLV-CALOTTA	Max	-2.134E-13	5.209E-14	279.126
44	0.	SLV-CALOTTA	Min	-2.134E-13	-5.693E-14	311.9945
44	0.23852	SLV-CALOTTA	Min	-2.134E-13	-2.531E-15	294.6599
44	0.47704	SLV-CALOTTA	Min	-2.134E-13	5.209E-14	279.126
45	0.	SLE-DRENO	Max	-1.579E-13	-7.662E-14	294.1489
45	0.24678	SLE-DRENO	Max	-1.579E-13	-6.123E-14	285.054
45	0.49356	SLE-DRENO	Max	-1.579E-13	-4.584E-14	274.4381
45	0.	SLE-DRENO	Min	-1.579E-13	-7.662E-14	294.1489
45	0.24678	SLE-DRENO	Min	-1.579E-13	-6.123E-14	285.054
45	0.49356	SLE-DRENO	Min	-1.579E-13	-4.584E-14	274.4381
45	0.	SLU-DRENO	Max	-1.995E-13	-9.392E-14	382.3874

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
45	0.24678	SLU-DRENO	Max	-1.995E-13	-7.780E-14	370.5663
45	0.49356	SLU-DRENO	Max	-1.995E-13	-6.168E-14	356.7679
45	0.	SLU-DRENO	Min	-1.995E-13	-9.392E-14	382.3874
45	0.24678	SLU-DRENO	Min	-1.995E-13	-7.780E-14	370.5663
45	0.49356	SLU-DRENO	Min	-1.995E-13	-6.168E-14	356.7679
45	0.	SLV-DRENO	Max	-2.560E-13	-1.334E-13	63.8781
45	0.24678	SLV-DRENO	Max	-2.560E-13	-1.088E-13	35.7337
45	0.49356	SLV-DRENO	Max	-2.560E-13	-8.421E-14	5.8063
45	0.	SLV-DRENO	Min	-2.560E-13	-1.334E-13	63.8781
45	0.24678	SLV-DRENO	Min	-2.560E-13	-1.088E-13	35.7337
45	0.49356	SLV-DRENO	Min	-2.560E-13	-8.421E-14	5.8063
45	0.	SLE-CALOTTA	Max	-8.712E-14	-4.267E-14	244.0759
45	0.24678	SLE-CALOTTA	Max	-8.712E-14	-3.214E-14	235.3641
45	0.49356	SLE-CALOTTA	Max	-8.712E-14	-2.161E-14	225.1312
45	0.	SLE-CALOTTA	Min	-8.712E-14	-4.267E-14	244.0759
45	0.24678	SLE-CALOTTA	Min	-8.712E-14	-3.214E-14	235.3641
45	0.49356	SLE-CALOTTA	Min	-8.712E-14	-2.161E-14	225.1312
45	0.	SLU-CALOTTA	Max	-1.165E-13	-5.690E-14	317.3118
45	0.24678	SLU-CALOTTA	Max	-1.165E-13	-4.637E-14	305.9885
45	0.49356	SLU-CALOTTA	Max	-1.165E-13	-3.584E-14	292.688
45	0.	SLU-CALOTTA	Min	-1.165E-13	-5.690E-14	317.3118
45	0.24678	SLU-CALOTTA	Min	-1.165E-13	-4.637E-14	305.9885
45	0.49356	SLU-CALOTTA	Min	-1.165E-13	-3.584E-14	292.688
45	0.	SLV-CALOTTA	Max	-1.387E-13	-7.824E-14	-85.8501
45	0.24678	SLV-CALOTTA	Max	-1.387E-13	-7.121E-14	-107.0963
45	0.49356	SLV-CALOTTA	Max	-1.387E-13	-6.418E-14	-130.1256
45	0.	SLV-CALOTTA	Min	-1.387E-13	-7.824E-14	-85.8501
45	0.24678	SLV-CALOTTA	Min	-1.387E-13	-7.121E-14	-107.0963
45	0.49356	SLV-CALOTTA	Min	-1.387E-13	-6.418E-14	-130.1256
46	0.	SLE-DRENO	Max	-1.550E-13	-1.145E-13	307.7488
46	0.24678	SLE-DRENO	Max	-1.550E-13	-1.035E-13	301.7051
46	0.49356	SLE-DRENO	Max	-1.550E-13	-9.248E-14	294.1489
46	0.	SLE-DRENO	Min	-1.550E-13	-1.145E-13	307.7488
46	0.24678	SLE-DRENO	Min	-1.550E-13	-1.035E-13	301.7051
46	0.49356	SLE-DRENO	Min	-1.550E-13	-9.248E-14	294.1489
46	0.	SLU-DRENO	Max	-1.914E-13	-1.516E-13	400.0628
46	0.24678	SLU-DRENO	Max	-1.914E-13	-1.320E-13	392.2082
46	0.49356	SLU-DRENO	Max	-1.914E-13	-1.124E-13	382.3874
46	0.	SLU-DRENO	Min	-1.914E-13	-1.516E-13	400.0628
46	0.24678	SLU-DRENO	Min	-1.914E-13	-1.320E-13	392.2082
46	0.49356	SLU-DRENO	Min	-1.914E-13	-1.124E-13	382.3874
46	0.	SLV-DRENO	Max	-2.489E-13	-1.956E-13	121.6696
46	0.24678	SLV-DRENO	Max	-2.489E-13	-1.745E-13	93.5747
46	0.49356	SLV-DRENO	Max	-2.489E-13	-1.535E-13	63.5782
46	0.	SLV-DRENO	Min	-2.489E-13	-1.956E-13	121.6696
46	0.24678	SLV-DRENO	Min	-2.489E-13	-1.745E-13	93.5747
46	0.49356	SLV-DRENO	Min	-2.489E-13	-1.535E-13	63.5782
46	0.	SLE-CALOTTA	Max	-8.357E-14	-6.401E-14	258.6813
46	0.24678	SLE-CALOTTA	Max	-8.357E-14	-6.050E-14	252.1349
46	0.49356	SLE-CALOTTA	Max	-8.357E-14	-5.698E-14	244.0759
46	0.	SLE-CALOTTA	Min	-8.357E-14	-6.401E-14	258.6813
46	0.24678	SLE-CALOTTA	Min	-8.357E-14	-6.050E-14	252.1349
46	0.49356	SLE-CALOTTA	Min	-8.357E-14	-5.698E-14	244.0759
46	0.	SLU-CALOTTA	Max	-1.120E-13	-8.712E-14	336.2942
46	0.24678	SLU-CALOTTA	Max	-1.120E-13	-7.571E-14	327.7861
46	0.49356	SLU-CALOTTA	Max	-1.120E-13	-6.430E-14	317.3118
46	0.	SLU-CALOTTA	Min	-1.120E-13	-8.712E-14	336.2942
46	0.24678	SLU-CALOTTA	Min	-1.120E-13	-7.571E-14	327.7861
46	0.49356	SLU-CALOTTA	Min	-1.120E-13	-6.430E-14	317.3118

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
46	0.	SLV-CALOTTA	Max	-1.387E-13	-1.173E-13	-38.7388
46	0.24678	SLV-CALOTTA	Max	-1.387E-13	-1.068E-13	-61.4936
46	0.49356	SLV-CALOTTA	Max	-1.387E-13	-9.628E-14	-86.1501
46	0.	SLV-CALOTTA	Min	-1.387E-13	-1.173E-13	-38.7388
46	0.24678	SLV-CALOTTA	Min	-1.387E-13	-1.068E-13	-61.4936
46	0.49356	SLV-CALOTTA	Min	-1.387E-13	-9.628E-14	-86.1501
47	0.	SLE-DRENO	Max	-1.439E-13	-1.430E-13	314.799
47	0.24678	SLE-DRENO	Max	-1.439E-13	-1.329E-13	312.0217
47	0.49356	SLE-DRENO	Max	-1.439E-13	-1.228E-13	307.7488
47	0.	SLE-DRENO	Min	-1.439E-13	-1.430E-13	314.799
47	0.24678	SLE-DRENO	Min	-1.439E-13	-1.329E-13	312.0217
47	0.49356	SLE-DRENO	Min	-1.439E-13	-1.228E-13	307.7488
47	0.	SLU-DRENO	Max	-1.832E-13	-1.896E-13	409.224
47	0.24678	SLU-DRENO	Max	-1.832E-13	-1.771E-13	405.6155
47	0.49356	SLU-DRENO	Max	-1.832E-13	-1.646E-13	400.0628
47	0.	SLU-DRENO	Min	-1.832E-13	-1.896E-13	409.224
47	0.24678	SLU-DRENO	Min	-1.832E-13	-1.771E-13	405.6155
47	0.49356	SLU-DRENO	Min	-1.832E-13	-1.646E-13	400.0628
47	0.	SLV-DRENO	Max	-2.356E-13	-2.489E-13	178.2235
47	0.24678	SLV-DRENO	Max	-2.356E-13	-2.314E-13	150.7024
47	0.49356	SLV-DRENO	Max	-2.356E-13	-2.138E-13	121.1716
47	0.	SLV-DRENO	Min	-2.356E-13	-2.489E-13	178.2235
47	0.24678	SLV-DRENO	Min	-2.356E-13	-2.314E-13	150.7024
47	0.49356	SLV-DRENO	Min	-2.356E-13	-2.138E-13	121.1716
47	0.	SLE-CALOTTA	Max	-8.179E-14	-8.535E-14	268.5011
47	0.24678	SLE-CALOTTA	Max	-8.179E-14	-7.482E-14	264.339
47	0.49356	SLE-CALOTTA	Max	-8.179E-14	-6.429E-14	258.6813
47	0.	SLE-CALOTTA	Min	-8.179E-14	-8.535E-14	268.5011
47	0.24678	SLE-CALOTTA	Min	-8.179E-14	-7.482E-14	264.339
47	0.49356	SLE-CALOTTA	Min	-8.179E-14	-6.429E-14	258.6813
47	0.	SLU-CALOTTA	Max	-1.058E-13	-1.102E-13	349.055
47	0.24678	SLU-CALOTTA	Max	-1.058E-13	-1.032E-13	343.6467
47	0.49356	SLU-CALOTTA	Max	-1.058E-13	-9.619E-14	336.2942
47	0.	SLU-CALOTTA	Min	-1.058E-13	-1.102E-13	349.055
47	0.24678	SLU-CALOTTA	Min	-1.058E-13	-1.032E-13	343.6467
47	0.49356	SLU-CALOTTA	Min	-1.058E-13	-9.619E-14	336.2942
47	0.	SLV-CALOTTA	Max	-1.245E-13	-1.422E-13	10.6008
47	0.24678	SLV-CALOTTA	Max	-1.245E-13	-1.282E-13	-13.3132
47	0.49356	SLV-CALOTTA	Max	-1.245E-13	-1.142E-13	-39.2368
47	0.	SLV-CALOTTA	Min	-1.245E-13	-1.422E-13	10.6008
47	0.24678	SLV-CALOTTA	Min	-1.245E-13	-1.282E-13	-13.3132
47	0.49356	SLV-CALOTTA	Min	-1.245E-13	-1.142E-13	-39.2368
48	0.	SLE-DRENO	Max	-1.336E-13	-1.720E-13	314.9623
48	0.24678	SLE-DRENO	Max	-1.336E-13	-1.623E-13	315.6157
48	0.49356	SLE-DRENO	Max	-1.336E-13	-1.526E-13	314.799
48	0.	SLE-DRENO	Min	-1.336E-13	-1.720E-13	314.9623
48	0.24678	SLE-DRENO	Min	-1.336E-13	-1.623E-13	315.6157
48	0.49356	SLE-DRENO	Min	-1.336E-13	-1.526E-13	314.799
48	0.	SLU-DRENO	Max	-1.670E-13	-2.257E-13	409.4324
48	0.24678	SLU-DRENO	Max	-1.670E-13	-2.097E-13	410.2838
48	0.49356	SLU-DRENO	Max	-1.670E-13	-1.937E-13	409.224
48	0.	SLU-DRENO	Min	-1.670E-13	-2.257E-13	409.4324
48	0.24678	SLU-DRENO	Min	-1.670E-13	-2.097E-13	410.2838
48	0.49356	SLU-DRENO	Min	-1.670E-13	-1.937E-13	409.224
48	0.	SLV-DRENO	Max	-2.116E-13	-3.005E-13	232.4938
48	0.24678	SLV-DRENO	Max	-2.116E-13	-2.821E-13	206.0653
48	0.49356	SLV-DRENO	Max	-2.116E-13	-2.636E-13	177.5302
48	0.	SLV-DRENO	Min	-2.116E-13	-3.005E-13	232.4938
48	0.24678	SLV-DRENO	Min	-2.116E-13	-2.821E-13	206.0653

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
48	0.49356	SLV-DRENO	Min	-2.116E-13	-2.636E-13	177.5302
48	0.	SLE-CALOTTA	Max	-7.290E-14	-9.957E-14	273.1743
48	0.24678	SLE-CALOTTA	Max	-7.290E-14	-9.606E-14	271.5728
48	0.49356	SLE-CALOTTA	Max	-7.290E-14	-9.255E-14	268.5011
48	0.	SLE-CALOTTA	Min	-7.290E-14	-9.957E-14	273.1743
48	0.24678	SLE-CALOTTA	Min	-7.290E-14	-9.606E-14	271.5728
48	0.49356	SLE-CALOTTA	Min	-7.290E-14	-9.255E-14	268.5011
48	0.	SLU-CALOTTA	Max	-9.734E-14	-1.316E-13	355.1251
48	0.24678	SLU-CALOTTA	Max	-9.734E-14	-1.237E-13	353.0457
48	0.49356	SLU-CALOTTA	Max	-9.734E-14	-1.158E-13	349.055
48	0.	SLU-CALOTTA	Min	-9.734E-14	-1.316E-13	355.1251
48	0.24678	SLU-CALOTTA	Min	-9.734E-14	-1.237E-13	353.0457
48	0.49356	SLU-CALOTTA	Min	-9.734E-14	-1.158E-13	349.055
48	0.	SLV-CALOTTA	Max	-1.138E-13	-1.742E-13	61.6101
48	0.24678	SLV-CALOTTA	Max	-1.138E-13	-1.628E-13	36.812
48	0.49356	SLV-CALOTTA	Max	-1.138E-13	-1.514E-13	9.9074
48	0.	SLV-CALOTTA	Min	-1.138E-13	-1.742E-13	61.6101
48	0.24678	SLV-CALOTTA	Min	-1.138E-13	-1.628E-13	36.812
48	0.49356	SLV-CALOTTA	Min	-1.138E-13	-1.514E-13	9.9074
49	0.	SLE-DRENO	Max	-1.178E-13	-2.045E-13	308.0207
49	0.24678	SLE-DRENO	Max	-1.178E-13	-1.928E-13	312.2098
49	0.49356	SLE-DRENO	Max	-1.178E-13	-1.812E-13	314.9623
49	0.	SLE-DRENO	Min	-1.178E-13	-2.045E-13	308.0207
49	0.24678	SLE-DRENO	Min	-1.178E-13	-1.928E-13	312.2098
49	0.49356	SLE-DRENO	Min	-1.178E-13	-1.812E-13	314.9623
49	0.	SLU-DRENO	Max	-1.498E-13	-2.672E-13	400.4049
49	0.24678	SLU-DRENO	Max	-1.498E-13	-2.520E-13	405.8525
49	0.49356	SLU-DRENO	Max	-1.498E-13	-2.369E-13	409.4324
49	0.	SLU-DRENO	Min	-1.498E-13	-2.672E-13	400.4049
49	0.24678	SLU-DRENO	Min	-1.498E-13	-2.520E-13	405.8525
49	0.49356	SLU-DRENO	Min	-1.498E-13	-2.369E-13	409.4324
49	0.	SLV-DRENO	Max	-1.920E-13	-3.521E-13	283.4662
49	0.24678	SLV-DRENO	Max	-1.920E-13	-3.336E-13	258.6334
49	0.49356	SLV-DRENO	Max	-1.920E-13	-3.152E-13	231.609
49	0.	SLV-DRENO	Min	-1.920E-13	-3.521E-13	283.4662
49	0.24678	SLV-DRENO	Min	-1.920E-13	-3.336E-13	258.6334
49	0.49356	SLV-DRENO	Min	-1.920E-13	-3.152E-13	231.609
49	0.	SLE-CALOTTA	Max	-6.756E-14	-1.245E-13	272.4362
49	0.24678	SLE-CALOTTA	Max	-6.756E-14	-1.157E-13	273.5236
49	0.49356	SLE-CALOTTA	Max	-6.756E-14	-1.069E-13	273.1743
49	0.	SLE-CALOTTA	Min	-6.756E-14	-1.245E-13	272.4362
49	0.24678	SLE-CALOTTA	Min	-6.756E-14	-1.157E-13	273.5236
49	0.49356	SLE-CALOTTA	Min	-6.756E-14	-1.069E-13	273.1743
49	0.	SLU-CALOTTA	Max	-8.757E-14	-1.547E-13	354.1605
49	0.24678	SLU-CALOTTA	Max	-8.757E-14	-1.459E-13	355.5767
49	0.49356	SLU-CALOTTA	Max	-8.757E-14	-1.371E-13	355.1251
49	0.	SLU-CALOTTA	Min	-8.757E-14	-1.547E-13	354.1605
49	0.24678	SLU-CALOTTA	Min	-8.757E-14	-1.459E-13	355.5767
49	0.49356	SLU-CALOTTA	Min	-8.757E-14	-1.371E-13	355.1251
49	0.	SLV-CALOTTA	Max	-1.031E-13	-2.027E-13	113.8455
49	0.24678	SLV-CALOTTA	Max	-1.031E-13	-1.908E-13	88.3812
49	0.49356	SLV-CALOTTA	Max	-1.031E-13	-1.790E-13	60.7253
49	0.	SLV-CALOTTA	Min	-1.031E-13	-2.027E-13	113.8455
49	0.24678	SLV-CALOTTA	Min	-1.031E-13	-1.908E-13	88.3812
49	0.49356	SLV-CALOTTA	Min	-1.031E-13	-1.790E-13	60.7253
50	0.	SLE-DRENO	Max	-1.016E-13	-2.374E-13	293.8941
50	0.24678	SLE-DRENO	Max	-1.016E-13	-2.225E-13	301.6549
50	0.49356	SLE-DRENO	Max	-1.016E-13	-2.076E-13	308.0207
50	0.	SLE-DRENO	Min	-1.016E-13	-2.374E-13	293.8941

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
50	0.24678	SLE-DRENO	Min	-1.016E-13	-2.225E-13	301.6549
50	0.49356	SLE-DRENO	Min	-1.016E-13	-2.076E-13	308.0207
50	0.	SLU-DRENO	Max	-1.300E-13	-3.105E-13	382.0373
50	0.24678	SLU-DRENO	Max	-1.300E-13	-2.936E-13	392.1279
50	0.49356	SLU-DRENO	Max	-1.300E-13	-2.766E-13	400.4049
50	0.	SLU-DRENO	Min	-1.300E-13	-3.105E-13	382.0373
50	0.24678	SLU-DRENO	Min	-1.300E-13	-2.936E-13	392.1279
50	0.49356	SLU-DRENO	Min	-1.300E-13	-2.766E-13	400.4049
50	0.	SLV-DRENO	Max	-1.627E-13	-4.090E-13	330.1793
50	0.24678	SLV-DRENO	Max	-1.627E-13	-3.879E-13	307.4192
50	0.49356	SLV-DRENO	Max	-1.627E-13	-3.668E-13	282.3949
50	0.	SLV-DRENO	Min	-1.627E-13	-4.090E-13	330.1793
50	0.24678	SLV-DRENO	Min	-1.627E-13	-3.879E-13	307.4192
50	0.49356	SLV-DRENO	Min	-1.627E-13	-3.668E-13	282.3949
50	0.	SLE-CALOTTA	Max	-5.867E-14	-1.458E-13	266.1283
50	0.24678	SLE-CALOTTA	Max	-5.867E-14	-1.353E-13	269.9798
50	0.49356	SLE-CALOTTA	Max	-5.867E-14	-1.247E-13	272.4362
50	0.	SLE-CALOTTA	Min	-5.867E-14	-1.458E-13	266.1283
50	0.24678	SLE-CALOTTA	Min	-5.867E-14	-1.353E-13	269.9798
50	0.49356	SLE-CALOTTA	Min	-5.867E-14	-1.247E-13	272.4362
50	0.	SLU-CALOTTA	Max	-7.512E-14	-1.796E-13	345.9551
50	0.24678	SLU-CALOTTA	Max	-7.512E-14	-1.699E-13	350.9646
50	0.49356	SLU-CALOTTA	Max	-7.512E-14	-1.603E-13	354.1605
50	0.	SLU-CALOTTA	Min	-7.512E-14	-1.796E-13	345.9551
50	0.24678	SLU-CALOTTA	Min	-7.512E-14	-1.699E-13	350.9646
50	0.49356	SLU-CALOTTA	Min	-7.512E-14	-1.603E-13	354.1605
50	0.	SLV-CALOTTA	Max	-9.245E-14	-2.258E-13	166.9293
50	0.24678	SLV-CALOTTA	Max	-9.245E-14	-2.170E-13	140.9839
50	0.49356	SLV-CALOTTA	Max	-9.245E-14	-2.083E-13	112.7743
50	0.	SLV-CALOTTA	Min	-9.245E-14	-2.258E-13	166.9293
50	0.24678	SLV-CALOTTA	Min	-9.245E-14	-2.170E-13	140.9839
50	0.49356	SLV-CALOTTA	Min	-9.245E-14	-2.083E-13	112.7743
51	0.	SLE-DRENO	Max	-8.685E-14	-2.735E-13	272.6572
51	0.24678	SLE-DRENO	Max	-8.685E-14	-2.589E-13	283.9485
51	0.49356	SLE-DRENO	Max	-8.685E-14	-2.442E-13	293.8941
51	0.	SLE-DRENO	Min	-8.685E-14	-2.735E-13	272.6572
51	0.24678	SLE-DRENO	Min	-8.685E-14	-2.589E-13	283.9485
51	0.49356	SLE-DRENO	Min	-8.685E-14	-2.442E-13	293.8941
51	0.	SLU-DRENO	Max	-1.074E-13	-3.592E-13	354.4266
51	0.24678	SLU-DRENO	Max	-1.074E-13	-3.396E-13	369.1066
51	0.49356	SLU-DRENO	Max	-1.074E-13	-3.200E-13	382.0373
51	0.	SLU-DRENO	Min	-1.074E-13	-3.592E-13	354.4266
51	0.24678	SLU-DRENO	Min	-1.074E-13	-3.396E-13	369.1066
51	0.49356	SLU-DRENO	Min	-1.074E-13	-3.200E-13	382.0373
51	0.	SLV-DRENO	Max	-1.334E-13	-4.596E-13	371.7451
51	0.24678	SLV-DRENO	Max	-1.334E-13	-4.379E-13	351.4985
51	0.49356	SLV-DRENO	Max	-1.334E-13	-4.162E-13	328.9275
51	0.	SLV-DRENO	Min	-1.334E-13	-4.596E-13	371.7451
51	0.24678	SLV-DRENO	Min	-1.334E-13	-4.379E-13	351.4985
51	0.49356	SLV-DRENO	Min	-1.334E-13	-4.162E-13	328.9275
51	0.	SLE-CALOTTA	Max	-4.445E-14	-1.565E-13	254.2047
51	0.24678	SLE-CALOTTA	Max	-4.445E-14	-1.490E-13	260.8394
51	0.49356	SLE-CALOTTA	Max	-4.445E-14	-1.415E-13	266.1283
51	0.	SLE-CALOTTA	Min	-4.445E-14	-1.565E-13	254.2047
51	0.24678	SLE-CALOTTA	Min	-4.445E-14	-1.490E-13	260.8394
51	0.49356	SLE-CALOTTA	Min	-4.445E-14	-1.415E-13	266.1283
51	0.	SLU-CALOTTA	Max	-6.223E-14	-2.071E-13	330.4493
51	0.24678	SLU-CALOTTA	Max	-6.223E-14	-1.963E-13	339.0769
51	0.49356	SLU-CALOTTA	Max	-6.223E-14	-1.854E-13	345.9551

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
51	0.	SLU-CALOTTA	Min	-6.223E-14	-2.071E-13	330.4493
51	0.24678	SLU-CALOTTA	Min	-6.223E-14	-1.963E-13	339.0769
51	0.49356	SLU-CALOTTA	Min	-6.223E-14	-1.854E-13	345.9551
51	0.	SLV-CALOTTA	Max	-7.112E-14	-2.538E-13	220.4885
51	0.24678	SLV-CALOTTA	Max	-7.112E-14	-2.433E-13	194.2452
51	0.49356	SLV-CALOTTA	Max	-7.112E-14	-2.328E-13	165.6775
51	0.	SLV-CALOTTA	Min	-7.112E-14	-2.538E-13	220.4885
51	0.24678	SLV-CALOTTA	Min	-7.112E-14	-2.433E-13	194.2452
51	0.49356	SLV-CALOTTA	Min	-7.112E-14	-2.328E-13	165.6775
52	0.	SLE-DRENO	Max	-7.060E-14	-3.043E-13	241.0072
52	0.22535	SLE-DRENO	Max	-7.060E-14	-2.911E-13	257.3772
52	0.45069	SLE-DRENO	Max	-7.060E-14	-2.780E-13	272.6572
52	0.	SLE-DRENO	Min	-7.060E-14	-3.043E-13	241.0072
52	0.22535	SLE-DRENO	Min	-7.060E-14	-2.911E-13	257.3772
52	0.45069	SLE-DRENO	Min	-7.060E-14	-2.780E-13	272.6572
52	0.	SLU-DRENO	Max	-8.846E-14	-3.990E-13	313.2799
52	0.22535	SLU-DRENO	Max	-8.846E-14	-3.811E-13	334.5617
52	0.45069	SLU-DRENO	Max	-8.846E-14	-3.632E-13	354.4266
52	0.	SLU-DRENO	Min	-8.846E-14	-3.990E-13	313.2799
52	0.22535	SLU-DRENO	Min	-8.846E-14	-3.811E-13	334.5617
52	0.45069	SLU-DRENO	Min	-8.846E-14	-3.632E-13	354.4266
52	0.	SLV-DRENO	Max	-1.111E-13	-5.085E-13	396.6096
52	0.22535	SLV-DRENO	Max	-1.111E-13	-4.885E-13	384.5884
52	0.45069	SLV-DRENO	Max	-1.111E-13	-4.685E-13	370.6009
52	0.	SLV-DRENO	Min	-1.111E-13	-5.085E-13	396.6096
52	0.22535	SLV-DRENO	Min	-1.111E-13	-4.885E-13	384.5884
52	0.45069	SLV-DRENO	Min	-1.111E-13	-4.685E-13	370.6009
52	0.	SLE-CALOTTA	Max	-3.912E-14	-1.778E-13	231.8529
52	0.22535	SLE-CALOTTA	Max	-3.912E-14	-1.706E-13	243.5738
52	0.45069	SLE-CALOTTA	Max	-3.912E-14	-1.634E-13	254.2047
52	0.	SLE-CALOTTA	Min	-3.912E-14	-1.778E-13	231.8529
52	0.22535	SLE-CALOTTA	Min	-3.912E-14	-1.706E-13	243.5738
52	0.45069	SLE-CALOTTA	Min	-3.912E-14	-1.634E-13	254.2047
52	0.	SLU-CALOTTA	Max	-5.156E-14	-2.298E-13	301.3876
52	0.22535	SLU-CALOTTA	Max	-5.156E-14	-2.196E-13	316.6269
52	0.45069	SLU-CALOTTA	Max	-5.156E-14	-2.094E-13	330.4493
52	0.	SLU-CALOTTA	Min	-5.156E-14	-2.298E-13	301.3876
52	0.22535	SLU-CALOTTA	Min	-5.156E-14	-2.196E-13	316.6269
52	0.45069	SLU-CALOTTA	Min	-5.156E-14	-2.094E-13	330.4493
52	0.	SLV-CALOTTA	Max	-6.400E-14	-2.738E-13	260.9559
52	0.22535	SLV-CALOTTA	Max	-6.400E-14	-2.738E-13	241.1332
52	0.45069	SLV-CALOTTA	Max	-6.400E-14	-2.738E-13	219.3442
52	0.	SLV-CALOTTA	Min	-6.400E-14	-2.738E-13	260.9559
52	0.22535	SLV-CALOTTA	Min	-6.400E-14	-2.738E-13	241.1332
52	0.45069	SLV-CALOTTA	Min	-6.400E-14	-2.738E-13	219.3442
53	0.	SLE-DRENO	Max	-6.502E-14	-3.375E-13	190.7954
53	0.22535	SLE-DRENO	Max	-6.502E-14	-3.239E-13	216.4475
53	0.45069	SLE-DRENO	Max	-6.502E-14	-3.103E-13	241.0072
53	0.	SLE-DRENO	Min	-6.502E-14	-3.375E-13	190.7954
53	0.22535	SLE-DRENO	Min	-6.502E-14	-3.239E-13	216.4475
53	0.45069	SLE-DRENO	Min	-6.502E-14	-3.103E-13	241.0072
53	0.	SLU-DRENO	Max	-7.764E-14	-4.355E-13	248.0039
53	0.22535	SLU-DRENO	Max	-7.764E-14	-4.193E-13	281.352
53	0.45069	SLU-DRENO	Max	-7.764E-14	-4.030E-13	313.2799
53	0.	SLU-DRENO	Min	-7.764E-14	-4.355E-13	248.0039
53	0.22535	SLU-DRENO	Min	-7.764E-14	-4.193E-13	281.352
53	0.45069	SLU-DRENO	Min	-7.764E-14	-4.030E-13	313.2799
53	0.	SLV-DRENO	Max	-9.423E-14	-5.492E-13	399.8289
53	0.22535	SLV-DRENO	Max	-9.423E-14	-5.316E-13	398.6177



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
53	0.45069	SLV-DRENO	Max	-9.423E-14	-5.139E-13	395.3872
53	0.	SLV-DRENO	Min	-9.423E-14	-5.492E-13	399.8289
53	0.22535	SLV-DRENO	Min	-9.423E-14	-5.316E-13	398.6177
53	0.45069	SLV-DRENO	Min	-9.423E-14	-5.139E-13	395.3872
53	0.	SLE-CALOTTA	Max	-3.201E-14	-1.947E-13	191.2036
53	0.22535	SLE-CALOTTA	Max	-3.201E-14	-1.899E-13	212.0745
53	0.45069	SLE-CALOTTA	Max	-3.201E-14	-1.851E-13	231.8529
53	0.	SLE-CALOTTA	Min	-3.201E-14	-1.947E-13	191.2036
53	0.22535	SLE-CALOTTA	Min	-3.201E-14	-1.899E-13	212.0745
53	0.45069	SLE-CALOTTA	Min	-3.201E-14	-1.851E-13	231.8529
53	0.	SLU-CALOTTA	Max	-4.401E-14	-2.507E-13	248.5399
53	0.22535	SLU-CALOTTA	Max	-4.401E-14	-2.411E-13	275.6739
53	0.45069	SLU-CALOTTA	Max	-4.401E-14	-2.315E-13	301.3876
53	0.	SLU-CALOTTA	Min	-4.401E-14	-2.507E-13	248.5399
53	0.22535	SLU-CALOTTA	Min	-4.401E-14	-2.411E-13	275.6739
53	0.45069	SLU-CALOTTA	Min	-4.401E-14	-2.315E-13	301.3876
53	0.	SLV-CALOTTA	Max	-4.978E-14	-2.916E-13	283.965
53	0.22535	SLV-CALOTTA	Max	-4.978E-14	-2.788E-13	272.8589
53	0.45069	SLV-CALOTTA	Max	-4.978E-14	-2.660E-13	259.7335
53	0.	SLV-CALOTTA	Min	-4.978E-14	-2.916E-13	283.965
53	0.22535	SLV-CALOTTA	Min	-4.978E-14	-2.788E-13	272.8589
53	0.45069	SLV-CALOTTA	Min	-4.978E-14	-2.660E-13	259.7335
54	0.	SLE-DRENO	Max	-5.256E-14	-3.615E-13	121.3779
54	0.22535	SLE-DRENO	Max	-5.256E-14	-3.456E-13	156.6438
54	0.45069	SLE-DRENO	Max	-5.256E-14	-3.298E-13	190.7954
54	0.	SLE-DRENO	Min	-5.256E-14	-3.615E-13	121.3779
54	0.22535	SLE-DRENO	Min	-5.256E-14	-3.456E-13	156.6438
54	0.45069	SLE-DRENO	Min	-5.256E-14	-3.298E-13	190.7954
54	0.	SLU-DRENO	Max	-6.409E-14	-4.697E-13	157.7619
54	0.22535	SLU-DRENO	Max	-6.409E-14	-4.534E-13	203.6072
54	0.45069	SLU-DRENO	Max	-6.409E-14	-4.371E-13	248.0039
54	0.	SLU-DRENO	Min	-6.409E-14	-4.697E-13	157.7619
54	0.22535	SLU-DRENO	Min	-6.409E-14	-4.534E-13	203.6072
54	0.45069	SLU-DRENO	Min	-6.409E-14	-4.371E-13	248.0039
54	0.	SLV-DRENO	Max	-7.913E-14	-5.917E-13	380.3113
54	0.22535	SLV-DRENO	Max	-7.913E-14	-5.740E-13	390.4623
54	0.45069	SLV-DRENO	Max	-7.913E-14	-5.564E-13	398.5023
54	0.	SLV-DRENO	Min	-7.913E-14	-5.917E-13	380.3113
54	0.22535	SLV-DRENO	Min	-7.913E-14	-5.740E-13	390.4623
54	0.45069	SLV-DRENO	Min	-7.913E-14	-5.564E-13	398.5023
54	0.	SLE-CALOTTA	Max	-2.489E-14	-2.050E-13	131.5083
54	0.22535	SLE-CALOTTA	Max	-2.489E-14	-1.986E-13	161.9131
54	0.45069	SLE-CALOTTA	Max	-2.489E-14	-1.922E-13	191.2036
54	0.	SLE-CALOTTA	Min	-2.489E-14	-2.050E-13	131.5083
54	0.22535	SLE-CALOTTA	Min	-2.489E-14	-1.986E-13	161.9131
54	0.45069	SLE-CALOTTA	Min	-2.489E-14	-1.922E-13	191.2036
54	0.	SLU-CALOTTA	Max	-3.645E-14	-2.691E-13	170.9331
54	0.22535	SLU-CALOTTA	Max	-3.645E-14	-2.603E-13	210.4608
54	0.45069	SLU-CALOTTA	Max	-3.645E-14	-2.515E-13	248.5399
54	0.	SLU-CALOTTA	Min	-3.645E-14	-2.691E-13	170.9331
54	0.22535	SLU-CALOTTA	Min	-3.645E-14	-2.603E-13	210.4608
54	0.45069	SLU-CALOTTA	Min	-3.645E-14	-2.515E-13	248.5399
54	0.	SLV-CALOTTA	Max	-3.557E-14	-3.094E-13	288.8422
54	0.22535	SLV-CALOTTA	Max	-3.557E-14	-2.838E-13	286.7958
54	0.45069	SLV-CALOTTA	Max	-3.557E-14	-2.581E-13	282.6384
54	0.	SLV-CALOTTA	Min	-3.557E-14	-3.094E-13	288.8422
54	0.22535	SLV-CALOTTA	Min	-3.557E-14	-2.838E-13	286.7958
54	0.45069	SLV-CALOTTA	Min	-3.557E-14	-2.581E-13	282.6384
55	0.	SLE-DRENO	Max	-4.586E-14	-3.919E-13	32.0071

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
55	0.22535	SLE-DRENO	Max	-4.586E-14	-3.827E-13	77.2851
55	0.45069	SLE-DRENO	Max	-4.586E-14	-3.734E-13	121.3779
55	0.	SLE-DRENO	Min	-4.586E-14	-3.919E-13	32.0071
55	0.22535	SLE-DRENO	Min	-4.586E-14	-3.827E-13	77.2851
55	0.45069	SLE-DRENO	Min	-4.586E-14	-3.734E-13	121.3779
55	0.	SLU-DRENO	Max	-5.059E-14	-5.172E-13	41.5816
55	0.22535	SLU-DRENO	Max	-5.059E-14	-4.993E-13	100.4421
55	0.45069	SLU-DRENO	Max	-5.059E-14	-4.814E-13	157.7619
55	0.	SLU-DRENO	Min	-5.059E-14	-5.172E-13	41.5816
55	0.22535	SLU-DRENO	Min	-5.059E-14	-4.993E-13	100.4421
55	0.45069	SLU-DRENO	Min	-5.059E-14	-4.814E-13	157.7619
55	0.	SLV-DRENO	Max	-6.044E-14	-6.365E-13	336.8
55	0.22535	SLV-DRENO	Max	-6.044E-14	-6.205E-13	358.957
55	0.45069	SLV-DRENO	Max	-6.044E-14	-6.045E-13	378.8121
55	0.	SLV-DRENO	Min	-6.044E-14	-6.365E-13	336.8
55	0.22535	SLV-DRENO	Min	-6.044E-14	-6.205E-13	358.957
55	0.45069	SLV-DRENO	Min	-6.044E-14	-6.045E-13	378.8121
55	0.	SLE-CALOTTA	Max	-1.956E-14	-2.223E-13	51.8972
55	0.22535	SLE-CALOTTA	Max	-1.956E-14	-2.255E-13	92.2953
55	0.45069	SLE-CALOTTA	Max	-1.956E-14	-2.286E-13	131.5083
55	0.	SLE-CALOTTA	Min	-1.956E-14	-2.223E-13	51.8972
55	0.22535	SLE-CALOTTA	Min	-1.956E-14	-2.255E-13	92.2953
55	0.45069	SLE-CALOTTA	Min	-1.956E-14	-2.286E-13	131.5083
55	0.	SLU-CALOTTA	Max	-3.022E-14	-2.940E-13	67.4366
55	0.22535	SLU-CALOTTA	Max	-3.022E-14	-2.860E-13	119.9552
55	0.45069	SLU-CALOTTA	Max	-3.022E-14	-2.780E-13	170.9331
55	0.	SLU-CALOTTA	Min	-3.022E-14	-2.940E-13	67.4366
55	0.22535	SLU-CALOTTA	Min	-3.022E-14	-2.860E-13	119.9552
55	0.45069	SLU-CALOTTA	Min	-3.022E-14	-2.780E-13	170.9331
55	0.	SLV-CALOTTA	Max	-3.911E-14	-3.343E-13	274.6756
55	0.22535	SLV-CALOTTA	Max	-3.911E-14	-3.343E-13	282.1602
55	0.45069	SLV-CALOTTA	Max	-3.911E-14	-3.343E-13	287.343
55	0.	SLV-CALOTTA	Min	-3.911E-14	-3.343E-13	274.6756
55	0.22535	SLV-CALOTTA	Min	-3.911E-14	-3.343E-13	282.1602
55	0.45069	SLV-CALOTTA	Min	-3.911E-14	-3.343E-13	287.343
56	0.	SLE-DRENO	Max	-3.051E-14	-4.114E-13	-78.153
56	0.22535	SLE-DRENO	Max	-3.051E-14	-4.018E-13	-22.4372
56	0.45069	SLE-DRENO	Max	-3.051E-14	-3.921E-13	32.0071
56	0.	SLE-DRENO	Min	-3.051E-14	-4.114E-13	-78.153
56	0.22535	SLE-DRENO	Min	-3.051E-14	-4.018E-13	-22.4372
56	0.45069	SLE-DRENO	Min	-3.051E-14	-3.921E-13	32.0071
56	0.	SLU-DRENO	Max	-3.790E-14	-5.327E-13	-101.6236
56	0.22535	SLU-DRENO	Max	-3.790E-14	-5.229E-13	-29.1945
56	0.45069	SLU-DRENO	Max	-3.790E-14	-5.130E-13	41.5816
56	0.	SLU-DRENO	Min	-3.790E-14	-5.327E-13	-101.6236
56	0.22535	SLU-DRENO	Min	-3.790E-14	-5.229E-13	-29.1945
56	0.45069	SLU-DRENO	Min	-3.790E-14	-5.130E-13	41.5816
56	0.	SLV-DRENO	Max	-4.801E-14	-6.703E-13	267.8877
56	0.22535	SLV-DRENO	Max	-4.801E-14	-6.575E-13	302.7567
56	0.45069	SLV-DRENO	Max	-4.801E-14	-6.447E-13	335.0931
56	0.	SLV-DRENO	Min	-4.801E-14	-6.703E-13	267.8877
56	0.22535	SLV-DRENO	Min	-4.801E-14	-6.575E-13	302.7567
56	0.45069	SLV-DRENO	Min	-4.801E-14	-6.447E-13	335.0931
56	0.	SLE-CALOTTA	Max	-1.422E-14	-2.347E-13	-48.6055
56	0.22535	SLE-CALOTTA	Max	-1.422E-14	-2.219E-13	2.2816
56	0.45069	SLE-CALOTTA	Max	-1.422E-14	-2.091E-13	51.8972
56	0.	SLE-CALOTTA	Min	-1.422E-14	-2.347E-13	-48.6055
56	0.22535	SLE-CALOTTA	Min	-1.422E-14	-2.219E-13	2.2816
56	0.45069	SLE-CALOTTA	Min	-1.422E-14	-2.091E-13	51.8972

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
56	0.	SLU-CALOTTA	Max	-2.045E-14	-3.085E-13	-63.2185
56	0.22535	SLU-CALOTTA	Max	-2.045E-14	-3.021E-13	2.9355
56	0.45069	SLU-CALOTTA	Max	-2.045E-14	-2.957E-13	67.4366
56	0.	SLU-CALOTTA	Min	-2.045E-14	-3.085E-13	-63.2185
56	0.22535	SLU-CALOTTA	Min	-2.045E-14	-3.021E-13	2.9355
56	0.45069	SLU-CALOTTA	Min	-2.045E-14	-2.957E-13	67.4366
56	0.	SLV-CALOTTA	Max	-2.134E-14	-3.414E-13	240.3202
56	0.22535	SLV-CALOTTA	Max	-2.134E-14	-3.158E-13	257.9108
56	0.45069	SLV-CALOTTA	Max	-2.134E-14	-2.901E-13	272.9686
56	0.	SLV-CALOTTA	Min	-2.134E-14	-3.414E-13	240.3202
56	0.22535	SLV-CALOTTA	Min	-2.134E-14	-3.158E-13	257.9108
56	0.45069	SLV-CALOTTA	Min	-2.134E-14	-2.901E-13	272.9686
57	0.	SLE-DRENO	Max	-2.381E-14	-4.276E-13	-209.9716
57	0.22535	SLE-DRENO	Max	-2.381E-14	-4.333E-13	-143.3716
57	0.45069	SLE-DRENO	Max	-2.381E-14	-4.389E-13	-78.153
57	0.	SLE-DRENO	Min	-2.381E-14	-4.276E-13	-209.9716
57	0.22535	SLE-DRENO	Min	-2.381E-14	-4.333E-13	-143.3716
57	0.45069	SLE-DRENO	Min	-2.381E-14	-4.389E-13	-78.153
57	0.	SLU-DRENO	Max	-2.346E-14	-5.542E-13	-272.9838
57	0.22535	SLU-DRENO	Max	-2.346E-14	-5.510E-13	-186.4057
57	0.45069	SLU-DRENO	Max	-2.346E-14	-5.478E-13	-101.6236
57	0.	SLU-DRENO	Min	-2.346E-14	-5.542E-13	-272.9838
57	0.22535	SLU-DRENO	Min	-2.346E-14	-5.510E-13	-186.4057
57	0.45069	SLU-DRENO	Min	-2.346E-14	-5.478E-13	-101.6236
57	0.	SLV-DRENO	Max	-2.666E-14	-6.828E-13	172.0821
57	0.22535	SLV-DRENO	Max	-2.666E-14	-6.764E-13	220.4134
57	0.45069	SLV-DRENO	Max	-2.666E-14	-6.699E-13	265.9211
57	0.	SLV-DRENO	Min	-2.666E-14	-6.828E-13	172.0821
57	0.22535	SLV-DRENO	Min	-2.666E-14	-6.764E-13	220.4134
57	0.45069	SLV-DRENO	Min	-2.666E-14	-6.699E-13	265.9211
57	0.	SLE-CALOTTA	Max	-7.806E-18	-2.312E-13	-171.0284
57	0.22535	SLE-CALOTTA	Max	-7.806E-18	-2.312E-13	-109.1262
57	0.45069	SLE-CALOTTA	Max	-7.806E-18	-2.312E-13	-48.6055
57	0.	SLE-CALOTTA	Min	-7.806E-18	-2.312E-13	-171.0284
57	0.22535	SLE-CALOTTA	Min	-7.806E-18	-2.312E-13	-109.1262
57	0.45069	SLE-CALOTTA	Min	-7.806E-18	-2.312E-13	-48.6055
57	0.	SLU-CALOTTA	Max	-1.333E-14	-3.147E-13	-222.369
57	0.22535	SLU-CALOTTA	Max	-1.333E-14	-3.147E-13	-141.8958
57	0.45069	SLU-CALOTTA	Max	-1.333E-14	-3.147E-13	-63.2185
57	0.	SLU-CALOTTA	Min	-1.333E-14	-3.147E-13	-222.369
57	0.22535	SLU-CALOTTA	Min	-1.333E-14	-3.147E-13	-141.8958
57	0.45069	SLU-CALOTTA	Min	-1.333E-14	-3.147E-13	-63.2185
57	0.	SLV-CALOTTA	Max	-1.422E-14	-3.272E-13	184.456
57	0.22535	SLV-CALOTTA	Max	-1.422E-14	-3.016E-13	212.8166
57	0.45069	SLV-CALOTTA	Max	-1.422E-14	-2.759E-13	238.3536
57	0.	SLV-CALOTTA	Min	-1.422E-14	-3.272E-13	184.456
57	0.22535	SLV-CALOTTA	Min	-1.422E-14	-3.016E-13	212.8166
57	0.45069	SLV-CALOTTA	Min	-1.422E-14	-2.759E-13	238.3536
58	0.	SLE-DRENO	Max	-5.785E-15	-4.183E-13	-364.3765
58	0.22535	SLE-DRENO	Max	-5.785E-15	-4.135E-13	-286.4128
58	0.45069	SLE-DRENO	Max	-5.785E-15	-4.087E-13	-209.9716
58	0.	SLE-DRENO	Min	-5.785E-15	-4.183E-13	-364.3765
58	0.22535	SLE-DRENO	Min	-5.785E-15	-4.135E-13	-286.4128
58	0.45069	SLE-DRENO	Min	-5.785E-15	-4.087E-13	-209.9716
58	0.	SLU-DRENO	Max	-1.795E-15	-5.236E-13	-473.7052
58	0.22535	SLU-DRENO	Max	-1.795E-15	-5.430E-13	-372.3548
58	0.45069	SLU-DRENO	Max	-1.795E-15	-5.624E-13	-272.9838
58	0.	SLU-DRENO	Min	-1.795E-15	-5.236E-13	-473.7052
58	0.22535	SLU-DRENO	Min	-1.795E-15	-5.430E-13	-372.3548

8. Frame results

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
58	0.45069	SLU-DRENO	Min	-1.795E-15	-5.624E-13	-272.9838
58	0.	SLV-DRENO	Max	-3.567E-15	-6.508E-13	47.7675
58	0.22535	SLV-DRENO	Max	-3.567E-15	-6.700E-13	110.374
58	0.45069	SLV-DRENO	Max	-3.567E-15	-6.892E-13	169.7855
58	0.	SLV-DRENO	Min	-3.567E-15	-6.508E-13	47.7675
58	0.22535	SLV-DRENO	Min	-3.567E-15	-6.700E-13	110.374
58	0.45069	SLV-DRENO	Min	-3.567E-15	-6.892E-13	169.7855
58	0.	SLE-CALOTTA	Max	-3.469E-18	-2.418E-13	-316.4783
58	0.22535	SLE-CALOTTA	Max	-3.469E-18	-2.546E-13	-242.992
58	0.45069	SLE-CALOTTA	Max	-3.469E-18	-2.674E-13	-171.0284
58	0.	SLE-CALOTTA	Min	-3.469E-18	-2.418E-13	-316.4783
58	0.22535	SLE-CALOTTA	Min	-3.469E-18	-2.546E-13	-242.992
58	0.45069	SLE-CALOTTA	Min	-3.469E-18	-2.674E-13	-171.0284
58	0.	SLU-CALOTTA	Max	-3.556E-15	-2.987E-13	-411.4539
58	0.22535	SLU-CALOTTA	Max	-3.556E-15	-3.051E-13	-315.9217
58	0.45069	SLU-CALOTTA	Max	-3.556E-15	-3.115E-13	-222.369
58	0.	SLU-CALOTTA	Min	-3.556E-15	-2.987E-13	-411.4539
58	0.22535	SLU-CALOTTA	Min	-3.556E-15	-3.051E-13	-315.9217
58	0.45069	SLU-CALOTTA	Min	-3.556E-15	-3.115E-13	-222.369
58	0.	SLV-CALOTTA	Max	-3.469E-18	-3.129E-13	105.5411
58	0.22535	SLV-CALOTTA	Max	-3.469E-18	-3.386E-13	145.4477
58	0.45069	SLV-CALOTTA	Max	-3.469E-18	-3.642E-13	182.1594
58	0.	SLV-CALOTTA	Min	-3.469E-18	-3.129E-13	105.5411
58	0.22535	SLV-CALOTTA	Min	-3.469E-18	-3.386E-13	145.4477
58	0.45069	SLV-CALOTTA	Min	-3.469E-18	-3.642E-13	182.1594
59	0.	SLE-DRENO	Max	6.259E-15	-3.662E-13	-542.3367
59	0.22535	SLE-DRENO	Max	6.259E-15	-3.935E-13	-452.5155
59	0.45069	SLE-DRENO	Max	6.259E-15	-4.207E-13	-364.3765
59	0.	SLE-DRENO	Min	6.259E-15	-3.662E-13	-542.3367
59	0.22535	SLE-DRENO	Min	6.259E-15	-3.935E-13	-452.5155
59	0.45069	SLE-DRENO	Min	6.259E-15	-4.207E-13	-364.3765
59	0.	SLU-DRENO	Max	1.799E-14	-4.839E-13	-705.0474
59	0.22535	SLU-DRENO	Max	1.799E-14	-5.098E-13	-588.2829
59	0.45069	SLU-DRENO	Max	1.799E-14	-5.357E-13	-473.7052
59	0.	SLU-DRENO	Min	1.799E-14	-4.839E-13	-705.0474
59	0.22535	SLU-DRENO	Min	1.799E-14	-5.098E-13	-588.2829
59	0.45069	SLU-DRENO	Min	1.799E-14	-5.357E-13	-473.7052
59	0.	SLV-DRENO	Max	1.778E-14	-6.116E-13	-106.7787
59	0.22535	SLV-DRENO	Max	1.778E-14	-6.309E-13	-29.0361
59	0.45069	SLV-DRENO	Max	1.778E-14	-6.501E-13	45.0804
59	0.	SLV-DRENO	Min	1.778E-14	-6.116E-13	-106.7787
59	0.22535	SLV-DRENO	Min	1.778E-14	-6.309E-13	-29.0361
59	0.45069	SLV-DRENO	Min	1.778E-14	-6.501E-13	45.0804
59	0.	SLE-CALOTTA	Max	1.067E-14	-2.063E-13	-486.1237
59	0.22535	SLE-CALOTTA	Max	1.067E-14	-2.191E-13	-400.4599
59	0.45069	SLE-CALOTTA	Max	1.067E-14	-2.319E-13	-316.4783
59	0.	SLE-CALOTTA	Min	1.067E-14	-2.063E-13	-486.1237
59	0.22535	SLE-CALOTTA	Min	1.067E-14	-2.191E-13	-400.4599
59	0.45069	SLE-CALOTTA	Min	1.067E-14	-2.319E-13	-316.4783
59	0.	SLU-CALOTTA	Max	6.226E-15	-2.809E-13	-631.9923
59	0.22535	SLU-CALOTTA	Max	6.226E-15	-2.937E-13	-520.6296
59	0.45069	SLU-CALOTTA	Max	6.226E-15	-3.066E-13	-411.4539
59	0.	SLU-CALOTTA	Min	6.226E-15	-2.809E-13	-631.9923
59	0.22535	SLU-CALOTTA	Min	6.226E-15	-2.937E-13	-520.6296
59	0.45069	SLU-CALOTTA	Min	6.226E-15	-3.066E-13	-411.4539
59	0.	SLV-CALOTTA	Max	-1.421E-14	-2.845E-13	1.8222
59	0.22535	SLV-CALOTTA	Max	-1.421E-14	-2.845E-13	54.1511
59	0.45069	SLV-CALOTTA	Max	-1.421E-14	-2.845E-13	102.8539
59	0.	SLV-CALOTTA	Min	-1.421E-14	-2.845E-13	1.8222

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
59	0.22535	SLV-CALOTTA	Min	-1.421E-14	-2.845E-13	54.1511
59	0.45069	SLV-CALOTTA	Min	-1.421E-14	-2.845E-13	102.8539
60	0.	SLE-DRENO	Max	2.324E-13	-2.833E-13	-477.5813
60	0.22535	SLE-DRENO	Max	2.324E-13	-2.978E-13	-509.7184
60	0.45069	SLE-DRENO	Max	2.324E-13	-3.122E-13	-542.3367
60	0.	SLE-DRENO	Min	2.324E-13	-2.833E-13	-477.5813
60	0.22535	SLE-DRENO	Min	2.324E-13	-2.978E-13	-509.7184
60	0.45069	SLE-DRENO	Min	2.324E-13	-3.122E-13	-542.3367
60	0.	SLU-DRENO	Max	2.990E-13	-3.612E-13	-620.8717
60	0.22535	SLU-DRENO	Max	2.990E-13	-3.807E-13	-662.6468
60	0.45069	SLU-DRENO	Max	2.990E-13	-4.002E-13	-705.0474
60	0.	SLU-DRENO	Min	2.990E-13	-3.612E-13	-620.8717
60	0.22535	SLU-DRENO	Min	2.990E-13	-3.807E-13	-662.6468
60	0.45069	SLU-DRENO	Min	2.990E-13	-4.002E-13	-705.0474
60	0.	SLV-DRENO	Max	3.705E-13	-4.551E-13	1.6412
60	0.22535	SLV-DRENO	Max	3.705E-13	-4.680E-13	-52.9963
60	0.45069	SLV-DRENO	Max	3.705E-13	-4.808E-13	-110.6863
60	0.	SLV-DRENO	Min	3.705E-13	-4.551E-13	1.6412
60	0.22535	SLV-DRENO	Min	3.705E-13	-4.680E-13	-52.9963
60	0.45069	SLV-DRENO	Min	3.705E-13	-4.808E-13	-110.6863
60	0.	SLE-CALOTTA	Max	1.320E-13	-1.565E-13	-409.9876
60	0.22535	SLE-CALOTTA	Max	1.320E-13	-1.565E-13	-447.8151
60	0.45069	SLE-CALOTTA	Max	1.320E-13	-1.565E-13	-486.1237
60	0.	SLE-CALOTTA	Min	1.320E-13	-1.565E-13	-409.9876
60	0.22535	SLE-CALOTTA	Min	1.320E-13	-1.565E-13	-447.8151
60	0.45069	SLE-CALOTTA	Min	1.320E-13	-1.565E-13	-486.1237
60	0.	SLU-CALOTTA	Max	1.713E-13	-1.992E-13	-533.0228
60	0.22535	SLU-CALOTTA	Max	1.713E-13	-2.056E-13	-582.1948
60	0.45069	SLU-CALOTTA	Max	1.713E-13	-2.120E-13	-631.9923
60	0.	SLU-CALOTTA	Min	1.713E-13	-1.992E-13	-533.0228
60	0.22535	SLU-CALOTTA	Min	1.713E-13	-2.056E-13	-582.1948
60	0.45069	SLU-CALOTTA	Min	1.713E-13	-2.120E-13	-631.9923
60	0.	SLV-CALOTTA	Max	1.894E-13	-1.991E-13	143.15
60	0.22535	SLV-CALOTTA	Max	1.894E-13	-2.248E-13	72.0586
60	0.45069	SLV-CALOTTA	Max	1.894E-13	-2.504E-13	-2.0854
60	0.	SLV-CALOTTA	Min	1.894E-13	-1.991E-13	143.15
60	0.22535	SLV-CALOTTA	Min	1.894E-13	-2.248E-13	72.0586
60	0.45069	SLV-CALOTTA	Min	1.894E-13	-2.504E-13	-2.0854
61	0.	SLE-DRENO	Max	2.368E-13	-2.655E-13	-424.5797
61	0.22535	SLE-DRENO	Max	2.368E-13	-2.799E-13	-450.8961
61	0.45069	SLE-DRENO	Max	2.368E-13	-2.943E-13	-477.5813
61	0.	SLE-DRENO	Min	2.368E-13	-2.655E-13	-424.5797
61	0.22535	SLE-DRENO	Min	2.368E-13	-2.799E-13	-450.8961
61	0.45069	SLE-DRENO	Min	2.368E-13	-2.943E-13	-477.5813
61	0.	SLU-DRENO	Max	3.100E-13	-3.252E-13	-551.9737
61	0.22535	SLU-DRENO	Max	3.100E-13	-3.316E-13	-586.183
61	0.45069	SLU-DRENO	Max	3.100E-13	-3.380E-13	-620.8717
61	0.	SLU-DRENO	Min	3.100E-13	-3.252E-13	-551.9737
61	0.22535	SLU-DRENO	Min	3.100E-13	-3.316E-13	-586.183
61	0.45069	SLU-DRENO	Min	3.100E-13	-3.380E-13	-620.8717
61	0.	SLV-DRENO	Max	3.841E-13	-3.983E-13	87.9823
61	0.22535	SLV-DRENO	Max	3.841E-13	-4.111E-13	44.3992
61	0.45069	SLV-DRENO	Max	3.841E-13	-4.239E-13	-1.8279
61	0.	SLV-DRENO	Min	3.841E-13	-3.983E-13	87.9823
61	0.22535	SLV-DRENO	Min	3.841E-13	-4.111E-13	44.3992
61	0.45069	SLV-DRENO	Min	3.841E-13	-4.239E-13	-1.8279
61	0.	SLE-CALOTTA	Max	1.388E-13	-1.422E-13	-348.2546
61	0.22535	SLE-CALOTTA	Max	1.388E-13	-1.551E-13	-378.9367
61	0.45069	SLE-CALOTTA	Max	1.388E-13	-1.679E-13	-409.9876

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
61	0.	SLE-CALOTTA	Min	1.388E-13	-1.422E-13	-348.2546
61	0.22535	SLE-CALOTTA	Min	1.388E-13	-1.551E-13	-378.9367
61	0.45069	SLE-CALOTTA	Min	1.388E-13	-1.679E-13	-409.9876
61	0.	SLU-CALOTTA	Max	1.769E-13	-1.920E-13	-452.7751
61	0.22535	SLU-CALOTTA	Max	1.769E-13	-1.920E-13	-492.6593
61	0.45069	SLU-CALOTTA	Max	1.769E-13	-1.920E-13	-533.0228
61	0.	SLV-CALOTTA	Min	1.769E-13	-1.920E-13	-452.7751
61	0.22535	SLV-CALOTTA	Min	1.769E-13	-1.920E-13	-492.6593
61	0.45069	SLV-CALOTTA	Min	1.769E-13	-1.920E-13	-533.0228
61	0.	SLV-CALOTTA	Max	1.942E-13	-1.991E-13	257.7495
61	0.22535	SLV-CALOTTA	Max	1.942E-13	-1.992E-13	200.0373
61	0.45069	SLV-CALOTTA	Max	1.942E-13	-1.992E-13	139.681
61	0.	SLV-CALOTTA	Min	1.942E-13	-1.991E-13	257.7495
61	0.22535	SLV-CALOTTA	Min	1.942E-13	-1.992E-13	200.0373
61	0.45069	SLV-CALOTTA	Min	1.942E-13	-1.992E-13	139.681
62	0.	SLE-DRENO	Max	2.447E-13	-2.254E-13	-383.6558
62	0.22535	SLE-DRENO	Max	2.447E-13	-2.430E-13	-403.9793
62	0.45069	SLE-DRENO	Max	2.447E-13	-2.607E-13	-424.5797
62	0.	SLE-DRENO	Min	2.447E-13	-2.254E-13	-383.6558
62	0.22535	SLE-DRENO	Min	2.447E-13	-2.430E-13	-403.9793
62	0.45069	SLE-DRENO	Min	2.447E-13	-2.607E-13	-424.5797
62	0.	SLU-DRENO	Max	3.211E-13	-2.961E-13	-498.7744
62	0.22535	SLU-DRENO	Max	3.211E-13	-3.155E-13	-525.194
62	0.45069	SLU-DRENO	Max	3.211E-13	-3.350E-13	-551.9737
62	0.	SLU-DRENO	Min	3.211E-13	-2.961E-13	-498.7744
62	0.22535	SLU-DRENO	Min	3.211E-13	-3.155E-13	-525.194
62	0.45069	SLU-DRENO	Min	3.211E-13	-3.350E-13	-551.9737
62	0.	SLV-DRENO	Max	3.968E-13	-3.556E-13	151.6745
62	0.22535	SLV-DRENO	Max	3.968E-13	-3.684E-13	119.432
62	0.45069	SLV-DRENO	Max	3.968E-13	-3.813E-13	84.8934
62	0.	SLV-DRENO	Min	3.968E-13	-3.556E-13	151.6745
62	0.22535	SLV-DRENO	Min	3.968E-13	-3.684E-13	119.432
62	0.45069	SLV-DRENO	Min	3.968E-13	-3.813E-13	84.8934
62	0.	SLE-CALOTTA	Max	1.451E-13	-1.138E-13	-301.656
62	0.22535	SLE-CALOTTA	Max	1.451E-13	-1.394E-13	-324.8168
62	0.45069	SLE-CALOTTA	Max	1.451E-13	-1.651E-13	-348.2546
62	0.	SLE-CALOTTA	Min	1.451E-13	-1.138E-13	-301.656
62	0.22535	SLE-CALOTTA	Min	1.451E-13	-1.394E-13	-324.8168
62	0.45069	SLE-CALOTTA	Min	1.451E-13	-1.651E-13	-348.2546
62	0.	SLU-CALOTTA	Max	1.835E-13	-1.707E-13	-392.2
62	0.22535	SLU-CALOTTA	Max	1.835E-13	-1.771E-13	-422.3075
62	0.45069	SLU-CALOTTA	Max	1.835E-13	-1.835E-13	-452.7751
62	0.	SLU-CALOTTA	Min	1.835E-13	-1.707E-13	-392.2
62	0.22535	SLU-CALOTTA	Min	1.835E-13	-1.771E-13	-422.3075
62	0.45069	SLU-CALOTTA	Min	1.835E-13	-1.835E-13	-452.7751
62	0.	SLV-CALOTTA	Max	2.014E-13	-1.991E-13	344.2715
62	0.22535	SLV-CALOTTA	Max	2.014E-13	-1.735E-13	300.6141
62	0.45069	SLV-CALOTTA	Max	2.014E-13	-1.479E-13	254.6606
62	0.	SLV-CALOTTA	Min	2.014E-13	-1.991E-13	344.2715
62	0.22535	SLV-CALOTTA	Min	2.014E-13	-1.735E-13	300.6141
62	0.45069	SLV-CALOTTA	Min	2.014E-13	-1.479E-13	254.6606
63	0.	SLE-DRENO	Max	2.507E-13	-2.031E-13	-355.2456
63	0.22535	SLE-DRENO	Max	2.507E-13	-2.304E-13	-369.3486
63	0.45069	SLE-DRENO	Max	2.507E-13	-2.576E-13	-383.6558
63	0.	SLE-DRENO	Min	2.507E-13	-2.031E-13	-355.2456
63	0.22535	SLE-DRENO	Min	2.507E-13	-2.304E-13	-369.3486
63	0.45069	SLE-DRENO	Min	2.507E-13	-2.576E-13	-383.6558
63	0.	SLU-DRENO	Max	3.293E-13	-2.600E-13	-461.8409
63	0.22535	SLU-DRENO	Max	3.293E-13	-2.665E-13	-480.1749

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
63	0.45069	SLU-DRENO	Max	3.293E-13	-2.731E-13	-498.7744
63	0.	SLU-DRENO	Min	3.293E-13	-2.600E-13	-461.8409
63	0.22535	SLU-DRENO	Min	3.293E-13	-2.665E-13	-480.1749
63	0.45069	SLU-DRENO	Min	3.293E-13	-2.731E-13	-498.7744
63	0.	SLV-DRENO	Max	4.043E-13	-3.129E-13	191.9986
63	0.22535	SLV-DRENO	Max	4.043E-13	-3.129E-13	171.4523
63	0.45069	SLV-DRENO	Max	4.043E-13	-3.129E-13	148.8831
63	0.	SLV-DRENO	Min	4.043E-13	-3.129E-13	191.9986
63	0.22535	SLV-DRENO	Min	4.043E-13	-3.129E-13	171.4523
63	0.45069	SLV-DRENO	Min	4.043E-13	-3.129E-13	148.8831
63	0.	SLE-CALOTTA	Max	1.445E-13	-1.422E-13	-271.0357
63	0.22535	SLE-CALOTTA	Max	1.445E-13	-1.166E-13	-286.2437
63	0.45069	SLE-CALOTTA	Max	1.445E-13	-9.099E-14	-301.656
63	0.	SLE-CALOTTA	Min	1.445E-13	-1.422E-13	-271.0357
63	0.22535	SLE-CALOTTA	Min	1.445E-13	-1.166E-13	-286.2437
63	0.45069	SLE-CALOTTA	Min	1.445E-13	-9.099E-14	-301.656
63	0.	SLU-CALOTTA	Max	1.882E-13	-1.458E-13	-352.3947
63	0.22535	SLU-CALOTTA	Max	1.882E-13	-1.586E-13	-372.1646
63	0.45069	SLU-CALOTTA	Max	1.882E-13	-1.714E-13	-392.2
63	0.	SLU-CALOTTA	Min	1.882E-13	-1.458E-13	-352.3947
63	0.22535	SLU-CALOTTA	Min	1.882E-13	-1.586E-13	-372.1646
63	0.45069	SLU-CALOTTA	Min	1.882E-13	-1.714E-13	-392.2
63	0.	SLV-CALOTTA	Max	2.041E-13	-1.707E-13	401.2105
63	0.22535	SLV-CALOTTA	Max	2.041E-13	-1.963E-13	372.3568
63	0.45069	SLV-CALOTTA	Max	2.041E-13	-2.219E-13	341.4801
63	0.	SLV-CALOTTA	Min	2.041E-13	-1.707E-13	401.2105
63	0.22535	SLV-CALOTTA	Min	2.041E-13	-1.963E-13	372.3568
63	0.45069	SLV-CALOTTA	Min	2.041E-13	-2.219E-13	341.4801
64	0.	SLE-DRENO	Max	2.555E-13	-1.693E-13	-339.8828
64	0.22535	SLE-DRENO	Max	2.555E-13	-1.853E-13	-347.4916
64	0.45069	SLE-DRENO	Max	2.555E-13	-2.014E-13	-355.2456
64	0.	SLE-DRENO	Min	2.555E-13	-1.693E-13	-339.8828
64	0.22535	SLE-DRENO	Min	2.555E-13	-1.853E-13	-347.4916
64	0.45069	SLE-DRENO	Min	2.555E-13	-2.014E-13	-355.2456
64	0.	SLU-DRENO	Max	3.349E-13	-2.024E-13	-441.8671
64	0.22535	SLU-DRENO	Max	3.349E-13	-2.283E-13	-451.7597
64	0.45069	SLU-DRENO	Max	3.349E-13	-2.541E-13	-461.8409
64	0.	SLU-DRENO	Min	3.349E-13	-2.024E-13	-441.8671
64	0.22535	SLU-DRENO	Min	3.349E-13	-2.283E-13	-451.7597
64	0.45069	SLU-DRENO	Min	3.349E-13	-2.541E-13	-461.8409
64	0.	SLV-DRENO	Max	4.120E-13	-2.489E-13	208.1031
64	0.22535	SLV-DRENO	Max	4.120E-13	-2.618E-13	199.6753
64	0.45069	SLV-DRENO	Max	4.120E-13	-2.747E-13	189.4426
64	0.	SLV-DRENO	Min	4.120E-13	-2.489E-13	208.1031
64	0.22535	SLV-DRENO	Min	4.120E-13	-2.618E-13	199.6753
64	0.45069	SLV-DRENO	Min	4.120E-13	-2.747E-13	189.4426
64	0.	SLE-CALOTTA	Max	1.478E-13	-9.957E-14	-257.3334
64	0.22535	SLE-CALOTTA	Max	1.478E-13	-9.958E-14	-264.112
64	0.45069	SLE-CALOTTA	Max	1.478E-13	-9.959E-14	-271.0357
64	0.	SLE-CALOTTA	Min	1.478E-13	-9.957E-14	-257.3334
64	0.22535	SLE-CALOTTA	Min	1.478E-13	-9.958E-14	-264.112
64	0.45069	SLE-CALOTTA	Min	1.478E-13	-9.959E-14	-271.0357
64	0.	SLU-CALOTTA	Max	1.915E-13	-1.245E-13	-334.5807
64	0.22535	SLU-CALOTTA	Max	1.915E-13	-1.309E-13	-343.3934
64	0.45069	SLU-CALOTTA	Max	1.915E-13	-1.373E-13	-352.3947
64	0.	SLU-CALOTTA	Min	1.915E-13	-1.245E-13	-334.5807
64	0.22535	SLU-CALOTTA	Min	1.915E-13	-1.309E-13	-343.3934
64	0.45069	SLU-CALOTTA	Min	1.915E-13	-1.373E-13	-352.3947
64	0.	SLV-CALOTTA	Max	2.089E-13	-1.422E-13	426.9394

**Table 21: Element Forces - Frames, Part 2 of 2**

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
64	0.22535	SLV-CALOTTA	Max	2.089E-13	-1.678E-13	413.6995
64	0.45069	SLV-CALOTTA	Max	2.089E-13	-1.935E-13	398.6545
64	0.	SLV-CALOTTA	Min	2.089E-13	-1.422E-13	426.9394
64	0.22535	SLV-CALOTTA	Min	2.089E-13	-1.678E-13	413.6995
64	0.45069	SLV-CALOTTA	Min	2.089E-13	-1.935E-13	398.6545
65	0.	SLE-DRENO	Max	2.592E-13	-1.372E-13	-338.1797
65	0.22535	SLE-DRENO	Max	2.592E-13	-1.516E-13	-338.9834
65	0.45069	SLE-DRENO	Max	2.592E-13	-1.661E-13	-339.8828
65	0.	SLE-DRENO	Min	2.592E-13	-1.372E-13	-338.1797
65	0.22535	SLE-DRENO	Min	2.592E-13	-1.516E-13	-338.9834
65	0.45069	SLE-DRENO	Min	2.592E-13	-1.661E-13	-339.8828
65	0.	SLU-DRENO	Max	3.387E-13	-1.590E-13	-439.6493
65	0.22535	SLU-DRENO	Max	3.387E-13	-1.850E-13	-440.696
65	0.45069	SLU-DRENO	Max	3.387E-13	-2.110E-13	-441.8671
65	0.	SLU-DRENO	Min	3.387E-13	-1.590E-13	-439.6493
65	0.22535	SLU-DRENO	Min	3.387E-13	-1.850E-13	-440.696
65	0.45069	SLU-DRENO	Min	3.387E-13	-2.110E-13	-441.8671
65	0.	SLV-DRENO	Max	4.165E-13	-1.707E-13	199.0404
65	0.22535	SLV-DRENO	Max	4.165E-13	-2.091E-13	203.203
65	0.45069	SLV-DRENO	Max	4.165E-13	-2.476E-13	205.7413
65	0.	SLV-DRENO	Min	4.165E-13	-1.707E-13	199.0404
65	0.22535	SLV-DRENO	Min	4.165E-13	-2.091E-13	203.203
65	0.45069	SLV-DRENO	Min	4.165E-13	-2.476E-13	205.7413
65	0.	SLE-CALOTTA	Max	1.502E-13	-7.112E-14	-261.5616
65	0.22535	SLE-CALOTTA	Max	1.502E-13	-9.675E-14	-259.3997
65	0.45069	SLE-CALOTTA	Max	1.502E-13	-1.224E-13	-257.3334
65	0.	SLE-CALOTTA	Min	1.502E-13	-7.112E-14	-261.5616
65	0.22535	SLE-CALOTTA	Min	1.502E-13	-9.675E-14	-259.3997
65	0.45069	SLE-CALOTTA	Min	1.502E-13	-1.224E-13	-257.3334
65	0.	SLU-CALOTTA	Max	1.939E-13	-9.245E-14	-340.0745
65	0.22535	SLU-CALOTTA	Max	1.939E-13	-1.053E-13	-337.2655
65	0.45069	SLU-CALOTTA	Max	1.939E-13	-1.181E-13	-334.5807
65	0.	SLU-CALOTTA	Min	1.939E-13	-9.245E-14	-340.0745
65	0.22535	SLU-CALOTTA	Min	1.939E-13	-1.053E-13	-337.2655
65	0.45069	SLU-CALOTTA	Min	1.939E-13	-1.181E-13	-334.5807
65	0.	SLV-CALOTTA	Max	2.107E-13	-5.691E-14	419.7627
65	0.22535	SLV-CALOTTA	Max	2.107E-13	-1.082E-13	422.9824
65	0.45069	SLV-CALOTTA	Max	2.107E-13	-1.594E-13	424.5776
65	0.	SLV-CALOTTA	Min	2.107E-13	-5.691E-14	419.7627
65	0.22535	SLV-CALOTTA	Min	2.107E-13	-1.082E-13	422.9824
65	0.45069	SLV-CALOTTA	Min	2.107E-13	-1.594E-13	424.5776
66	0.	SLE-DRENO	Max	2.623E-13	-1.176E-13	-350.8193
66	0.22535	SLE-DRENO	Max	2.623E-13	-1.208E-13	-344.4719
66	0.45069	SLE-DRENO	Max	2.623E-13	-1.240E-13	-338.1797
66	0.	SLE-DRENO	Min	2.623E-13	-1.176E-13	-350.8193
66	0.22535	SLE-DRENO	Min	2.623E-13	-1.208E-13	-344.4719
66	0.45069	SLE-DRENO	Min	2.623E-13	-1.240E-13	-338.1797
66	0.	SLU-DRENO	Max	3.437E-13	-1.514E-13	-456.0755
66	0.22535	SLU-DRENO	Max	3.437E-13	-1.514E-13	-447.8265
66	0.45069	SLU-DRENO	Max	3.437E-13	-1.515E-13	-439.6493
66	0.	SLU-DRENO	Min	3.437E-13	-1.514E-13	-456.0755
66	0.22535	SLU-DRENO	Min	3.437E-13	-1.514E-13	-447.8265
66	0.45069	SLU-DRENO	Min	3.437E-13	-1.515E-13	-439.6493
66	0.	SLV-DRENO	Max	4.218E-13	-1.565E-13	163.7648
66	0.22535	SLV-DRENO	Max	4.218E-13	-1.565E-13	181.0264
66	0.45069	SLV-DRENO	Max	4.218E-13	-1.565E-13	196.7641
66	0.	SLV-DRENO	Min	4.218E-13	-1.565E-13	163.7648
66	0.22535	SLV-DRENO	Min	4.218E-13	-1.565E-13	181.0264
66	0.45069	SLV-DRENO	Min	4.218E-13	-1.565E-13	196.7641



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
66	0.	SLE-CALOTTA	Max	1.520E-13	-4.270E-14	-284.7952
66	0.22535	SLE-CALOTTA	Max	1.520E-13	-4.269E-14	-273.1508
66	0.45069	SLE-CALOTTA	Max	1.520E-13	-4.268E-14	-261.5616
66	0.	SLE-CALOTTA	Min	1.520E-13	-4.270E-14	-284.7952
66	0.22535	SLE-CALOTTA	Min	1.520E-13	-4.269E-14	-273.1508
66	0.45069	SLE-CALOTTA	Min	1.520E-13	-4.268E-14	-261.5616
66	0.	SLU-CALOTTA	Max	1.964E-13	-8.533E-14	-370.2736
66	0.22535	SLU-CALOTTA	Max	1.964E-13	-8.535E-14	-355.1382
66	0.45069	SLU-CALOTTA	Max	1.964E-13	-8.536E-14	-340.0745
66	0.	SLU-CALOTTA	Min	1.964E-13	-8.533E-14	-370.2736
66	0.22535	SLU-CALOTTA	Min	1.964E-13	-8.535E-14	-355.1382
66	0.45069	SLU-CALOTTA	Min	1.964E-13	-8.536E-14	-340.0745
66	0.	SLV-CALOTTA	Max	2.138E-13	-1.137E-13	377.9332
66	0.22535	SLV-CALOTTA	Max	2.138E-13	-8.814E-14	398.4718
66	0.45069	SLV-CALOTTA	Max	2.138E-13	-6.253E-14	417.4864
66	0.	SLV-CALOTTA	Min	2.138E-13	-1.137E-13	377.9332
66	0.22535	SLV-CALOTTA	Min	2.138E-13	-8.814E-14	398.4718
66	0.45069	SLV-CALOTTA	Min	2.138E-13	-6.253E-14	417.4864
67	0.	SLE-DRENO	Max	2.661E-13	-4.464E-14	-378.5397
67	0.22535	SLE-DRENO	Max	2.661E-13	-7.349E-14	-364.6705
67	0.45069	SLE-DRENO	Max	2.661E-13	-1.023E-13	-350.8193
67	0.	SLE-DRENO	Min	2.661E-13	-4.464E-14	-378.5397
67	0.22535	SLE-DRENO	Min	2.661E-13	-7.349E-14	-364.6705
67	0.45069	SLE-DRENO	Min	2.661E-13	-1.023E-13	-350.8193
67	0.	SLU-DRENO	Max	3.480E-13	-8.660E-14	-492.1054
67	0.22535	SLU-DRENO	Max	3.480E-13	-9.978E-14	-474.0787
67	0.45069	SLU-DRENO	Max	3.480E-13	-1.130E-13	-456.0755
67	0.	SLU-DRENO	Min	3.480E-13	-8.660E-14	-492.1054
67	0.22535	SLU-DRENO	Min	3.480E-13	-9.978E-14	-474.0787
67	0.45069	SLU-DRENO	Min	3.480E-13	-1.130E-13	-456.0755
67	0.	SLV-DRENO	Max	4.267E-13	-7.114E-14	101.1521
67	0.22535	SLV-DRENO	Max	4.267E-13	-1.096E-13	132.0689
67	0.45069	SLV-DRENO	Max	4.267E-13	-1.480E-13	161.5314
67	0.	SLV-DRENO	Min	4.267E-13	-7.114E-14	101.1521
67	0.22535	SLV-DRENO	Min	4.267E-13	-1.096E-13	132.0689
67	0.45069	SLV-DRENO	Min	4.267E-13	-1.480E-13	161.5314
67	0.	SLE-CALOTTA	Max	1.538E-13	-4.266E-14	-328.1525
67	0.22535	SLE-CALOTTA	Max	1.538E-13	-4.267E-14	-306.4648
67	0.45069	SLE-CALOTTA	Max	1.538E-13	-4.269E-14	-284.7952
67	0.	SLE-CALOTTA	Min	1.538E-13	-4.266E-14	-328.1525
67	0.22535	SLE-CALOTTA	Min	1.538E-13	-4.267E-14	-306.4648
67	0.45069	SLE-CALOTTA	Min	1.538E-13	-4.269E-14	-284.7952
67	0.	SLU-CALOTTA	Max	1.989E-13	-4.979E-14	-426.6319
67	0.22535	SLU-CALOTTA	Max	1.989E-13	-6.260E-14	-398.441
67	0.45069	SLU-CALOTTA	Max	1.989E-13	-7.541E-14	-370.2736
67	0.	SLU-CALOTTA	Min	1.989E-13	-4.979E-14	-426.6319
67	0.22535	SLU-CALOTTA	Min	1.989E-13	-6.260E-14	-398.441
67	0.45069	SLU-CALOTTA	Min	1.989E-13	-7.541E-14	-370.2736
67	0.	SLV-CALOTTA	Max	2.147E-13	-2.846E-14	299.6892
67	0.22535	SLV-CALOTTA	Max	2.147E-13	-2.849E-14	338.4216
67	0.45069	SLV-CALOTTA	Max	2.147E-13	-2.851E-14	375.6997
67	0.	SLV-CALOTTA	Min	2.147E-13	-2.846E-14	299.6892
67	0.22535	SLV-CALOTTA	Min	2.147E-13	-2.849E-14	338.4216
67	0.45069	SLV-CALOTTA	Min	2.147E-13	-2.851E-14	375.6997
68	0.	SLE-DRENO	Max	2.674E-13	-8.726E-14	-422.1965
68	0.22067	SLE-DRENO	Max	2.674E-13	-9.355E-14	-400.3752
68	0.44134	SLE-DRENO	Max	2.674E-13	-9.985E-14	-378.5397
68	0.	SLE-DRENO	Min	2.674E-13	-8.726E-14	-422.1965
68	0.22067	SLE-DRENO	Min	2.674E-13	-9.355E-14	-400.3752

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
68	0.44134	SLE-DRENO	Min	2.674E-13	-9.985E-14	-378.5397
68	0.	SLU-DRENO	Max	3.503E-13	-9.365E-14	-548.8515
68	0.22067	SLU-DRENO	Max	3.503E-13	-1.192E-13	-520.4876
68	0.44134	SLU-DRENO	Max	3.503E-13	-1.448E-13	-492.1054
68	0.	SLU-DRENO	Min	3.503E-13	-9.365E-14	-548.8515
68	0.22067	SLU-DRENO	Min	3.503E-13	-1.192E-13	-520.4876
68	0.44134	SLU-DRENO	Min	3.503E-13	-1.448E-13	-492.1054
68	0.	SLV-DRENO	Max	4.292E-13	-1.421E-14	10.9926
68	0.22067	SLV-DRENO	Max	4.292E-13	-3.938E-14	55.681
68	0.44134	SLV-DRENO	Max	4.292E-13	-6.472E-14	99.0103
68	0.	SLV-DRENO	Min	4.292E-13	-1.421E-14	10.9926
68	0.22067	SLV-DRENO	Min	4.292E-13	-3.938E-14	55.681
68	0.44134	SLV-DRENO	Min	4.292E-13	-6.472E-14	99.0103
68	0.	SLE-CALOTTA	Max	1.547E-13	-5.690E-14	-392.3717
68	0.22067	SLE-CALOTTA	Max	1.547E-13	-8.199E-14	-360.2692
68	0.44134	SLE-CALOTTA	Max	1.547E-13	-1.071E-13	-328.1525
68	0.	SLE-CALOTTA	Min	1.547E-13	-5.690E-14	-392.3717
68	0.22067	SLE-CALOTTA	Min	1.547E-13	-8.199E-14	-360.2692
68	0.44134	SLE-CALOTTA	Min	1.547E-13	-1.071E-13	-328.1525
68	0.	SLU-CALOTTA	Max	2.000E-13	-7.468E-14	-510.109
68	0.22067	SLU-CALOTTA	Max	2.000E-13	-8.097E-14	-468.3796
68	0.44134	SLU-CALOTTA	Max	2.000E-13	-8.725E-14	-426.6319
68	0.	SLU-CALOTTA	Min	2.000E-13	-7.468E-14	-510.109
68	0.22067	SLU-CALOTTA	Min	2.000E-13	-8.097E-14	-468.3796
68	0.44134	SLU-CALOTTA	Min	2.000E-13	-8.725E-14	-426.6319
68	0.	SLV-CALOTTA	Max	2.160E-13	5.687E-14	185.041
68	0.22067	SLV-CALOTTA	Max	2.160E-13	5.679E-14	241.9737
68	0.44134	SLV-CALOTTA	Max	2.160E-13	5.654E-14	297.5474
68	0.	SLV-CALOTTA	Min	2.160E-13	5.687E-14	185.041
68	0.22067	SLV-CALOTTA	Min	2.160E-13	5.679E-14	241.9737
68	0.44134	SLV-CALOTTA	Min	2.160E-13	5.654E-14	297.5474
69	0.	SLE-DRENO	Max	2.683E-13	-1.603E-14	-484.1117
69	0.22067	SLE-DRENO	Max	2.683E-13	-7.571E-14	-453.1758
69	0.44134	SLE-DRENO	Max	2.683E-13	-1.354E-13	-422.1965
69	0.	SLE-DRENO	Min	2.683E-13	-1.603E-14	-484.1117
69	0.22067	SLE-DRENO	Min	2.683E-13	-7.571E-14	-453.1758
69	0.44134	SLE-DRENO	Min	2.683E-13	-1.354E-13	-422.1965
69	0.	SLU-DRENO	Max	3.496E-13	-3.053E-16	-629.3325
69	0.22067	SLU-DRENO	Max	3.496E-13	-5.102E-14	-589.1202
69	0.44134	SLU-DRENO	Max	3.496E-13	-1.017E-13	-548.8515
69	0.	SLU-DRENO	Min	3.496E-13	-3.053E-16	-629.3325
69	0.22067	SLU-DRENO	Min	3.496E-13	-5.102E-14	-589.1202
69	0.44134	SLU-DRENO	Min	3.496E-13	-1.017E-13	-548.8515
69	0.	SLV-DRENO	Max	4.290E-13	5.693E-14	-110.0898
69	0.22067	SLV-DRENO	Max	4.290E-13	4.423E-14	-49.9639
69	0.44134	SLV-DRENO	Max	4.290E-13	3.136E-14	8.8091
69	0.	SLV-DRENO	Min	4.290E-13	5.693E-14	-110.0898
69	0.22067	SLV-DRENO	Min	4.290E-13	4.423E-14	-49.9639
69	0.44134	SLV-DRENO	Min	4.290E-13	3.136E-14	8.8091
69	0.	SLE-CALOTTA	Max	1.547E-13	-5.689E-14	-480.3963
69	0.22067	SLE-CALOTTA	Max	1.547E-13	-5.689E-14	-436.4056
69	0.44134	SLE-CALOTTA	Max	1.547E-13	-5.688E-14	-392.3717
69	0.	SLE-CALOTTA	Min	1.547E-13	-5.689E-14	-480.3963
69	0.22067	SLE-CALOTTA	Min	1.547E-13	-5.689E-14	-436.4056
69	0.44134	SLE-CALOTTA	Min	1.547E-13	-5.688E-14	-392.3717
69	0.	SLU-CALOTTA	Max	2.000E-13	-5.689E-14	-624.5317
69	0.22067	SLU-CALOTTA	Max	2.000E-13	-5.689E-14	-567.3485
69	0.44134	SLU-CALOTTA	Max	2.000E-13	-5.690E-14	-510.109
69	0.	SLU-CALOTTA	Min	2.000E-13	-5.689E-14	-624.5317

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
69	0.22067	SLU-CALOTTA	Min	2.000E-13	-5.689E-14	-567.3485
69	0.44134	SLU-CALOTTA	Min	2.000E-13	-5.690E-14	-510.109
69	0.	SLV-CALOTTA	Max	2.169E-13	1.422E-13	30.0545
69	0.22067	SLV-CALOTTA	Max	2.169E-13	9.192E-14	107.1325
69	0.44134	SLV-CALOTTA	Max	2.169E-13	4.149E-14	182.8575
69	0.	SLV-CALOTTA	Min	2.169E-13	1.422E-13	30.0545
69	0.22067	SLV-CALOTTA	Min	2.169E-13	9.192E-14	107.1325
69	0.44134	SLV-CALOTTA	Min	2.169E-13	4.149E-14	182.8575
70	0.	SLE-DRENO	Max	2.660E-13	2.862E-14	-564.9901
70	0.22067	SLE-DRENO	Max	2.660E-13	6.535E-15	-524.5884
70	0.44134	SLE-DRENO	Max	2.660E-13	-1.554E-14	-484.1117
70	0.	SLE-DRENO	Min	2.660E-13	2.862E-14	-564.9901
70	0.22067	SLE-DRENO	Min	2.660E-13	6.535E-15	-524.5884
70	0.44134	SLE-DRENO	Min	2.660E-13	-1.554E-14	-484.1117
70	0.	SLU-DRENO	Max	3.484E-13	7.205E-14	-734.4645
70	0.22067	SLU-DRENO	Max	3.484E-13	3.391E-14	-681.9472
70	0.44134	SLU-DRENO	Max	3.484E-13	-4.213E-15	-629.3325
70	0.	SLU-DRENO	Min	3.484E-13	7.205E-14	-734.4645
70	0.22067	SLU-DRENO	Min	3.484E-13	3.391E-14	-681.9472
70	0.44134	SLU-DRENO	Min	3.484E-13	-4.213E-15	-629.3325
70	0.	SLV-DRENO	Max	4.263E-13	1.565E-13	-263.1712
70	0.22067	SLV-DRENO	Max	4.263E-13	1.312E-13	-187.0785
70	0.44134	SLV-DRENO	Max	4.263E-13	1.059E-13	-112.3564
70	0.	SLV-DRENO	Min	4.263E-13	1.565E-13	-263.1712
70	0.22067	SLV-DRENO	Min	4.263E-13	1.312E-13	-187.0785
70	0.44134	SLV-DRENO	Min	4.263E-13	1.059E-13	-112.3564
70	0.	SLE-CALOTTA	Max	1.529E-13	-2.082E-17	-593.2874
70	0.22067	SLE-CALOTTA	Max	1.529E-13	-1.623E-17	-536.8793
70	0.44134	SLE-CALOTTA	Max	1.529E-13	-2.463E-18	-480.3963
70	0.	SLE-CALOTTA	Min	1.529E-13	-2.082E-17	-593.2874
70	0.22067	SLE-CALOTTA	Min	1.529E-13	-1.623E-17	-536.8793
70	0.44134	SLE-CALOTTA	Min	1.529E-13	-2.463E-18	-480.3963
70	0.	SLU-CALOTTA	Max	1.985E-13	-1.388E-17	-771.2795
70	0.22067	SLU-CALOTTA	Max	1.985E-13	-2.512E-14	-697.9543
70	0.44134	SLU-CALOTTA	Max	1.985E-13	-5.021E-14	-624.5317
70	0.	SLU-CALOTTA	Min	1.985E-13	-1.388E-17	-771.2795
70	0.22067	SLU-CALOTTA	Min	1.985E-13	-2.512E-14	-697.9543
70	0.44134	SLU-CALOTTA	Min	1.985E-13	-5.021E-14	-624.5317
70	0.	SLV-CALOTTA	Max	2.143E-13	1.138E-13	-166.8403
70	0.22067	SLV-CALOTTA	Max	2.143E-13	1.137E-13	-68.8409
70	0.44134	SLV-CALOTTA	Max	2.143E-13	1.134E-13	27.7879
70	0.	SLV-CALOTTA	Min	2.143E-13	1.138E-13	-166.8403
70	0.22067	SLV-CALOTTA	Min	2.143E-13	1.137E-13	-68.8409
70	0.44134	SLV-CALOTTA	Min	2.143E-13	1.134E-13	27.7879
71	0.	SLE-DRENO	Max	2.589E-13	1.319E-13	-665.3747
71	0.22052	SLE-DRENO	Max	2.589E-13	9.727E-14	-615.2387
71	0.44103	SLE-DRENO	Max	2.589E-13	6.267E-14	-564.9901
71	0.	SLE-DRENO	Min	2.589E-13	1.319E-13	-665.3747
71	0.22052	SLE-DRENO	Min	2.589E-13	9.727E-14	-615.2387
71	0.44103	SLE-DRENO	Min	2.589E-13	6.267E-14	-564.9901
71	0.	SLU-DRENO	Max	3.363E-13	1.876E-13	-864.9539
71	0.22052	SLU-DRENO	Max	3.363E-13	1.242E-13	-799.7824
71	0.44103	SLU-DRENO	Max	3.363E-13	6.079E-14	-734.4645
71	0.	SLU-DRENO	Min	3.363E-13	1.876E-13	-864.9539
71	0.22052	SLU-DRENO	Min	3.363E-13	1.242E-13	-799.7824
71	0.44103	SLU-DRENO	Min	3.363E-13	6.079E-14	-734.4645
71	0.	SLV-DRENO	Max	4.138E-13	2.703E-13	-449.1054
71	0.22052	SLV-DRENO	Max	4.138E-13	2.450E-13	-356.6369
71	0.44103	SLV-DRENO	Max	4.138E-13	2.196E-13	-265.6016

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
71	0.	SLV-DRENO	Min	4.138E-13	2.703E-13	-449.1054
71	0.22052	SLV-DRENO	Min	4.138E-13	2.450E-13	-356.6369
71	0.44103	SLV-DRENO	Min	4.138E-13	2.196E-13	-265.6016
71	0.	SLE-CALOTTA	Max	1.511E-13	5.686E-14	-731.9291
71	0.22052	SLE-CALOTTA	Max	1.511E-13	6.720E-15	-662.6646
71	0.44103	SLE-CALOTTA	Max	1.511E-13	-4.341E-14	-593.2874
71	0.	SLE-CALOTTA	Min	1.511E-13	5.686E-14	-731.9291
71	0.22052	SLE-CALOTTA	Min	1.511E-13	6.720E-15	-662.6646
71	0.44103	SLE-CALOTTA	Min	1.511E-13	-4.341E-14	-593.2874
71	0.	SLU-CALOTTA	Max	1.938E-13	4.266E-14	-951.5014
71	0.22052	SLU-CALOTTA	Max	1.938E-13	1.131E-14	-861.4636
71	0.44103	SLU-CALOTTA	Max	1.938E-13	-2.003E-14	-771.2795
71	0.	SLU-CALOTTA	Min	1.938E-13	4.266E-14	-951.5014
71	0.22052	SLU-CALOTTA	Min	1.938E-13	1.131E-14	-861.4636
71	0.44103	SLU-CALOTTA	Min	1.938E-13	-2.003E-14	-771.2795
71	0.	SLV-CALOTTA	Max	2.116E-13	1.138E-13	-406.9598
71	0.22052	SLV-CALOTTA	Max	2.116E-13	6.354E-14	-287.3986
71	0.44103	SLV-CALOTTA	Max	2.116E-13	1.308E-14	-169.2706
71	0.	SLV-CALOTTA	Min	2.116E-13	1.138E-13	-406.9598
71	0.22052	SLV-CALOTTA	Min	2.116E-13	6.354E-14	-287.3986
71	0.44103	SLV-CALOTTA	Min	2.116E-13	1.308E-14	-169.2706
72	0.	SLE-DRENO	Max	2.543E-13	2.211E-13	-753.2861
72	0.16445	SLE-DRENO	Max	2.543E-13	1.928E-13	-709.3733
72	0.3289	SLE-DRENO	Max	2.543E-13	1.645E-13	-665.3747
72	0.	SLE-DRENO	Min	2.543E-13	2.211E-13	-753.2861
72	0.16445	SLE-DRENO	Min	2.543E-13	1.928E-13	-709.3733
72	0.3289	SLE-DRENO	Min	2.543E-13	1.645E-13	-665.3747
72	0.	SLU-DRENO	Max	3.340E-13	2.889E-13	-979.2302
72	0.16445	SLU-DRENO	Max	3.340E-13	2.506E-13	-922.1478
72	0.3289	SLU-DRENO	Max	3.340E-13	2.125E-13	-864.9539
72	0.	SLU-DRENO	Min	3.340E-13	2.889E-13	-979.2302
72	0.16445	SLU-DRENO	Min	3.340E-13	2.506E-13	-922.1478
72	0.3289	SLU-DRENO	Min	3.340E-13	2.125E-13	-864.9539
72	0.	SLV-DRENO	Max	4.090E-13	4.126E-13	-609.7657
72	0.16445	SLV-DRENO	Max	4.090E-13	3.564E-13	-529.7487
72	0.3289	SLV-DRENO	Max	4.090E-13	3.001E-13	-450.5847
72	0.	SLV-DRENO	Min	4.090E-13	4.126E-13	-609.7657
72	0.16445	SLV-DRENO	Min	4.090E-13	3.564E-13	-529.7487
72	0.3289	SLV-DRENO	Min	4.090E-13	3.001E-13	-450.5847
72	0.	SLE-CALOTTA	Max	1.476E-13	5.551E-17	-852.6959
72	0.16445	SLE-CALOTTA	Max	1.476E-13	3.744E-14	-792.3553
72	0.3289	SLE-CALOTTA	Max	1.476E-13	7.484E-14	-731.9291
72	0.	SLE-CALOTTA	Min	1.476E-13	5.551E-17	-852.6959
72	0.16445	SLE-CALOTTA	Min	1.476E-13	3.744E-14	-792.3553
72	0.3289	SLE-CALOTTA	Min	1.476E-13	7.484E-14	-731.9291
72	0.	SLU-CALOTTA	Max	1.911E-13	1.138E-13	-1108.4884
72	0.16445	SLU-CALOTTA	Max	1.911E-13	7.635E-14	-1030.0506
72	0.3289	SLU-CALOTTA	Max	1.911E-13	3.894E-14	-951.5014
72	0.	SLU-CALOTTA	Min	1.911E-13	1.138E-13	-1108.4884
72	0.16445	SLU-CALOTTA	Min	1.911E-13	7.635E-14	-1030.0506
72	0.3289	SLU-CALOTTA	Min	1.911E-13	3.894E-14	-951.5014
72	0.	SLV-CALOTTA	Max	2.116E-13	1.139E-13	-615.1314
72	0.16445	SLV-CALOTTA	Max	2.116E-13	1.886E-13	-511.3588
72	0.3289	SLV-CALOTTA	Max	2.116E-13	2.632E-13	-408.4391
72	0.	SLV-CALOTTA	Min	2.116E-13	1.139E-13	-615.1314
72	0.16445	SLV-CALOTTA	Min	2.116E-13	1.886E-13	-511.3588
72	0.3289	SLV-CALOTTA	Min	2.116E-13	2.632E-13	-408.4391
73	0.	SLE-DRENO	Max	2.473E-13	2.389E-13	-852.6714
73	0.16445	SLE-DRENO	Max	2.473E-13	2.155E-13	-803.0329

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
73	0.3289	SLE-DRENO	Max	2.473E-13	1.920E-13	-753.2861
73	0.	SLE-DRENO	Min	2.473E-13	2.389E-13	-852.6714
73	0.16445	SLE-DRENO	Min	2.473E-13	2.155E-13	-803.0329
73	0.3289	SLE-DRENO	Min	2.473E-13	1.920E-13	-753.2861
73	0.	SLU-DRENO	Max	3.205E-13	4.043E-13	-1108.4223
73	0.16445	SLU-DRENO	Max	3.205E-13	3.287E-13	-1043.8966
73	0.3289	SLU-DRENO	Max	3.205E-13	2.531E-13	-979.2302
73	0.	SLU-DRENO	Min	3.205E-13	4.043E-13	-1108.4223
73	0.16445	SLU-DRENO	Min	3.205E-13	3.287E-13	-1043.8966
73	0.3289	SLU-DRENO	Min	3.205E-13	2.531E-13	-979.2302
73	0.	SLV-DRENO	Max	3.974E-13	5.121E-13	-789.5733
73	0.16445	SLV-DRENO	Max	3.974E-13	4.933E-13	-700.0161
73	0.3289	SLV-DRENO	Max	3.974E-13	4.745E-13	-611.3603
73	0.	SLV-DRENO	Min	3.974E-13	5.121E-13	-789.5733
73	0.16445	SLV-DRENO	Min	3.974E-13	4.933E-13	-700.0161
73	0.3289	SLV-DRENO	Min	3.974E-13	4.745E-13	-611.3603
73	0.	SLE-CALOTTA	Max	1.458E-13	1.138E-13	-988.6519
73	0.16445	SLE-CALOTTA	Max	1.458E-13	1.138E-13	-920.728
73	0.3289	SLE-CALOTTA	Max	1.458E-13	1.138E-13	-852.6959
73	0.	SLE-CALOTTA	Min	1.458E-13	1.138E-13	-988.6519
73	0.16445	SLE-CALOTTA	Min	1.458E-13	1.138E-13	-920.728
73	0.3289	SLE-CALOTTA	Min	1.458E-13	1.138E-13	-852.6959
73	0.	SLU-CALOTTA	Max	1.858E-13	1.209E-13	-1285.2205
73	0.16445	SLU-CALOTTA	Max	1.858E-13	1.303E-13	-1196.9248
73	0.3289	SLU-CALOTTA	Max	1.858E-13	1.396E-13	-1108.4884
73	0.	SLU-CALOTTA	Min	1.858E-13	1.209E-13	-1285.2205
73	0.16445	SLU-CALOTTA	Min	1.858E-13	1.303E-13	-1196.9248
73	0.3289	SLU-CALOTTA	Min	1.858E-13	1.396E-13	-1108.4884
73	0.	SLV-CALOTTA	Max	1.991E-13	1.708E-13	-848.7409
73	0.16445	SLV-CALOTTA	Max	1.991E-13	9.591E-14	-732.2827
73	0.3289	SLV-CALOTTA	Max	1.991E-13	2.096E-14	-616.726
73	0.	SLV-CALOTTA	Min	1.991E-13	1.708E-13	-848.7409
73	0.16445	SLV-CALOTTA	Min	1.991E-13	9.591E-14	-732.2827
73	0.3289	SLV-CALOTTA	Min	1.991E-13	2.096E-14	-616.726
74	0.	SLE-DRENO	Max	2.377E-13	3.029E-13	-963.8027
74	0.16445	SLE-DRENO	Max	2.377E-13	3.076E-13	-908.3045
74	0.3289	SLE-DRENO	Max	2.377E-13	3.124E-13	-852.6714
74	0.	SLE-DRENO	Min	2.377E-13	3.029E-13	-963.8027
74	0.16445	SLE-DRENO	Min	2.377E-13	3.076E-13	-908.3045
74	0.3289	SLE-DRENO	Min	2.377E-13	3.124E-13	-852.6714
74	0.	SLU-DRENO	Max	3.096E-13	3.753E-13	-1252.8837
74	0.16445	SLU-DRENO	Max	3.096E-13	3.757E-13	-1180.7407
74	0.3289	SLU-DRENO	Max	3.096E-13	3.761E-13	-1108.4223
74	0.	SLU-DRENO	Min	3.096E-13	3.753E-13	-1252.8837
74	0.16445	SLU-DRENO	Min	3.096E-13	3.757E-13	-1180.7407
74	0.3289	SLU-DRENO	Min	3.096E-13	3.761E-13	-1108.4223
74	0.	SLV-DRENO	Max	3.814E-13	5.121E-13	-988.7973
74	0.16445	SLV-DRENO	Max	3.814E-13	5.121E-13	-889.5716
74	0.3289	SLV-DRENO	Max	3.814E-13	5.120E-13	-791.3057
74	0.	SLV-DRENO	Min	3.814E-13	5.121E-13	-988.7973
74	0.16445	SLV-DRENO	Min	3.814E-13	5.121E-13	-889.5716
74	0.3289	SLV-DRENO	Min	3.814E-13	5.120E-13	-791.3057
74	0.	SLE-CALOTTA	Max	1.369E-13	8.535E-14	-1140.0909
74	0.16445	SLE-CALOTTA	Max	1.369E-13	8.537E-14	-1064.4389
74	0.3289	SLE-CALOTTA	Max	1.369E-13	8.542E-14	-988.6519
74	0.	SLE-CALOTTA	Min	1.369E-13	8.535E-14	-1140.0909
74	0.16445	SLE-CALOTTA	Min	1.369E-13	8.537E-14	-1064.4389
74	0.3289	SLE-CALOTTA	Min	1.369E-13	8.542E-14	-988.6519
74	0.	SLU-CALOTTA	Max	1.791E-13	1.209E-13	-1482.0799

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
74	0.16445	SLU-CALOTTA	Max	1.791E-13	1.303E-13	-1383.738
74	0.3289	SLU-CALOTTA	Max	1.791E-13	1.397E-13	-1285.2205
74	0.	SLU-CALOTTA	Min	1.791E-13	1.209E-13	-1482.0799
74	0.16445	SLU-CALOTTA	Min	1.791E-13	1.303E-13	-1383.738
74	0.3289	SLU-CALOTTA	Min	1.791E-13	1.397E-13	-1285.2205
74	0.	SLV-CALOTTA	Max	1.956E-13	2.844E-13	-1108.2875
74	0.16445	SLV-CALOTTA	Max	1.956E-13	1.348E-13	-978.9005
74	0.3289	SLV-CALOTTA	Max	1.956E-13	-1.494E-14	-850.4733
74	0.	SLV-CALOTTA	Min	1.956E-13	2.844E-13	-1108.2875
74	0.16445	SLV-CALOTTA	Min	1.956E-13	1.348E-13	-978.9005
74	0.3289	SLV-CALOTTA	Min	1.956E-13	-1.494E-14	-850.4733
75	0.	SLE-DRENO	Max	-2.200E-13	3.386E-13	-746.2689
75	0.23797	SLE-DRENO	Max	-2.200E-13	3.623E-13	-858.2623
75	0.47593	SLE-DRENO	Max	-2.200E-13	3.863E-13	-968.0441
75	0.	SLE-DRENO	Min	-2.200E-13	3.386E-13	-746.2689
75	0.23797	SLE-DRENO	Min	-2.200E-13	3.623E-13	-858.2623
75	0.47593	SLE-DRENO	Min	-2.200E-13	3.863E-13	-968.0441
75	0.	SLU-DRENO	Max	-2.744E-13	4.616E-13	-970.0948
75	0.23797	SLU-DRENO	Max	-2.744E-13	3.804E-13	-1115.6836
75	0.47593	SLU-DRENO	Max	-2.744E-13	2.996E-13	-1258.3972
75	0.	SLU-DRENO	Min	-2.744E-13	4.616E-13	-970.0948
75	0.23797	SLU-DRENO	Min	-2.744E-13	3.804E-13	-1115.6836
75	0.47593	SLU-DRENO	Min	-2.744E-13	2.996E-13	-1258.3972
75	0.	SLV-DRENO	Max	-3.272E-13	5.690E-13	-855.3937
75	0.23797	SLV-DRENO	Max	-3.272E-13	5.690E-13	-925.2079
75	0.47593	SLV-DRENO	Max	-3.272E-13	5.692E-13	-993.6335
75	0.	SLV-DRENO	Min	-3.272E-13	5.690E-13	-855.3937
75	0.23797	SLV-DRENO	Min	-3.272E-13	5.690E-13	-925.2079
75	0.47593	SLV-DRENO	Min	-3.272E-13	5.692E-13	-993.6335
75	0.	SLE-CALOTTA	Max	-1.138E-13	1.707E-13	-880.3518
75	0.23797	SLE-CALOTTA	Max	-1.138E-13	1.708E-13	-1013.5125
75	0.47593	SLE-CALOTTA	Max	-1.138E-13	1.711E-13	-1144.4616
75	0.	SLE-CALOTTA	Min	-1.138E-13	1.707E-13	-880.3518
75	0.23797	SLE-CALOTTA	Min	-1.138E-13	1.708E-13	-1013.5125
75	0.47593	SLE-CALOTTA	Min	-1.138E-13	1.711E-13	-1144.4616
75	0.	SLU-CALOTTA	Max	-1.618E-13	1.849E-13	-1144.4179
75	0.23797	SLU-CALOTTA	Max	-1.618E-13	1.309E-13	-1317.5273
75	0.47593	SLU-CALOTTA	Max	-1.618E-13	7.737E-14	-1487.7615
75	0.	SLU-CALOTTA	Min	-1.618E-13	1.849E-13	-1144.4179
75	0.23797	SLU-CALOTTA	Min	-1.618E-13	1.309E-13	-1317.5273
75	0.47593	SLU-CALOTTA	Min	-1.618E-13	7.737E-14	-1487.7615
75	0.	SLV-CALOTTA	Max	-1.707E-13	1.139E-13	-951.2382
75	0.23797	SLV-CALOTTA	Max	-1.707E-13	2.222E-13	-1034.1889
75	0.47593	SLV-CALOTTA	Max	-1.707E-13	3.306E-13	-1115.7509
75	0.	SLV-CALOTTA	Min	-1.707E-13	1.139E-13	-951.2382
75	0.23797	SLV-CALOTTA	Min	-1.707E-13	2.222E-13	-1034.1889
75	0.47593	SLV-CALOTTA	Min	-1.707E-13	3.306E-13	-1115.7509
76	0.	SLE-DRENO	Max	-2.080E-13	3.492E-13	-546.831
76	0.23797	SLE-DRENO	Max	-2.080E-13	3.730E-13	-647.5006
76	0.47593	SLE-DRENO	Max	-2.080E-13	3.971E-13	-746.2689
76	0.	SLE-DRENO	Min	-2.080E-13	3.492E-13	-546.831
76	0.23797	SLE-DRENO	Min	-2.080E-13	3.730E-13	-647.5006
76	0.47593	SLE-DRENO	Min	-2.080E-13	3.971E-13	-746.2689
76	0.	SLU-DRENO	Max	-2.672E-13	4.052E-13	-710.8306
76	0.23797	SLU-DRENO	Max	-2.672E-13	4.053E-13	-841.6985
76	0.47593	SLU-DRENO	Max	-2.672E-13	4.058E-13	-970.0948
76	0.	SLU-DRENO	Min	-2.672E-13	4.052E-13	-710.8306
76	0.23797	SLU-DRENO	Min	-2.672E-13	4.053E-13	-841.6985
76	0.47593	SLU-DRENO	Min	-2.672E-13	4.058E-13	-970.0948

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
76	0.	SLV-DRENO	Max	-3.307E-13	5.974E-13	-736.2827
76	0.23797	SLV-DRENO	Max	-3.307E-13	5.975E-13	-797.1785
76	0.47593	SLV-DRENO	Max	-3.307E-13	5.978E-13	-856.8805
76	0.	SLV-DRENO	Min	-3.307E-13	5.974E-13	-736.2827
76	0.23797	SLV-DRENO	Min	-3.307E-13	5.975E-13	-797.1785
76	0.47593	SLV-DRENO	Min	-3.307E-13	5.978E-13	-856.8805
76	0.	SLE-CALOTTA	Max	-1.209E-13	2.275E-13	-645.0949
76	0.23797	SLE-CALOTTA	Max	-1.209E-13	2.276E-13	-763.6739
76	0.47593	SLE-CALOTTA	Max	-1.209E-13	2.280E-13	-880.3518
76	0.	SLE-CALOTTA	Min	-1.209E-13	2.275E-13	-645.0949
76	0.23797	SLE-CALOTTA	Min	-1.209E-13	2.276E-13	-763.6739
76	0.47593	SLE-CALOTTA	Min	-1.209E-13	2.280E-13	-880.3518
76	0.	SLU-CALOTTA	Max	-1.494E-13	1.849E-13	-838.5831
76	0.23797	SLU-CALOTTA	Max	-1.494E-13	1.851E-13	-992.7363
76	0.47593	SLU-CALOTTA	Max	-1.494E-13	1.855E-13	-1144.4179
76	0.	SLU-CALOTTA	Min	-1.494E-13	1.849E-13	-838.5831
76	0.23797	SLU-CALOTTA	Min	-1.494E-13	1.851E-13	-992.7363
76	0.47593	SLU-CALOTTA	Min	-1.494E-13	1.855E-13	-1144.4179
76	0.	SLV-CALOTTA	Max	-1.565E-13	2.276E-13	-808.249
76	0.23797	SLV-CALOTTA	Max	-1.565E-13	3.359E-13	-881.0839
76	0.47593	SLV-CALOTTA	Max	-1.565E-13	4.444E-13	-952.7251
76	0.	SLV-CALOTTA	Min	-1.565E-13	2.276E-13	-808.249
76	0.23797	SLV-CALOTTA	Min	-1.565E-13	3.359E-13	-881.0839
76	0.47593	SLV-CALOTTA	Min	-1.565E-13	4.444E-13	-952.7251
77	0.	SLE-DRENO	Max	-2.125E-13	3.669E-13	-371.3969
77	0.23797	SLE-DRENO	Max	-2.125E-13	3.433E-13	-459.8253
77	0.47593	SLE-DRENO	Max	-2.125E-13	3.200E-13	-546.831
77	0.	SLE-DRENO	Min	-2.125E-13	3.669E-13	-371.3969
77	0.23797	SLE-DRENO	Min	-2.125E-13	3.433E-13	-459.8253
77	0.47593	SLE-DRENO	Min	-2.125E-13	3.200E-13	-546.831
77	0.	SLU-DRENO	Max	-2.745E-13	4.041E-13	-482.7707
77	0.23797	SLU-DRENO	Max	-2.745E-13	4.319E-13	-597.7254
77	0.47593	SLU-DRENO	Max	-2.745E-13	4.599E-13	-710.8306
77	0.	SLU-DRENO	Min	-2.745E-13	4.041E-13	-482.7707
77	0.23797	SLU-DRENO	Min	-2.745E-13	4.319E-13	-597.7254
77	0.47593	SLU-DRENO	Min	-2.745E-13	4.599E-13	-710.8306
77	0.	SLV-DRENO	Max	-3.361E-13	5.121E-13	-635.5646
77	0.23797	SLV-DRENO	Max	-3.361E-13	5.393E-13	-686.9266
77	0.47593	SLV-DRENO	Max	-3.361E-13	5.665E-13	-737.3953
77	0.	SLV-DRENO	Min	-3.361E-13	5.121E-13	-635.5646
77	0.23797	SLV-DRENO	Min	-3.361E-13	5.393E-13	-686.9266
77	0.47593	SLV-DRENO	Min	-3.361E-13	5.665E-13	-737.3953
77	0.	SLE-CALOTTA	Max	-1.209E-13	8.539E-14	-440.3424
77	0.23797	SLE-CALOTTA	Max	-1.209E-13	1.667E-13	-543.43
77	0.47593	SLE-CALOTTA	Max	-1.209E-13	2.481E-13	-645.0949
77	0.	SLE-CALOTTA	Min	-1.209E-13	8.539E-14	-440.3424
77	0.23797	SLE-CALOTTA	Min	-1.209E-13	1.667E-13	-543.43
77	0.47593	SLE-CALOTTA	Min	-1.209E-13	2.481E-13	-645.0949
77	0.	SLU-CALOTTA	Max	-1.565E-13	2.063E-13	-572.4041
77	0.23797	SLU-CALOTTA	Max	-1.565E-13	2.131E-13	-706.4184
77	0.47593	SLU-CALOTTA	Max	-1.565E-13	2.202E-13	-838.5831
77	0.	SLU-CALOTTA	Min	-1.565E-13	2.063E-13	-572.4041
77	0.23797	SLU-CALOTTA	Min	-1.565E-13	2.131E-13	-706.4184
77	0.47593	SLU-CALOTTA	Min	-1.565E-13	2.202E-13	-838.5831
77	0.	SLV-CALOTTA	Max	-1.600E-13	2.844E-13	-686.7117
77	0.23797	SLV-CALOTTA	Max	-1.600E-13	3.927E-13	-748.4833
77	0.47593	SLV-CALOTTA	Max	-1.600E-13	5.011E-13	-809.3616
77	0.	SLV-CALOTTA	Min	-1.600E-13	2.844E-13	-686.7117
77	0.23797	SLV-CALOTTA	Min	-1.600E-13	3.927E-13	-748.4833

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
77	0.47593	SLV-CALOTTA	Min	-1.600E-13	5.011E-13	-809.3616
78	0.	SLE-DRENO	Max	-2.170E-13	2.674E-13	-213.42
78	0.23852	SLE-DRENO	Max	-2.170E-13	3.014E-13	-293.129
78	0.47704	SLE-DRENO	Max	-2.170E-13	3.355E-13	-371.3969
78	0.	SLE-DRENO	Min	-2.170E-13	2.674E-13	-213.42
78	0.23852	SLE-DRENO	Min	-2.170E-13	3.014E-13	-293.129
78	0.47704	SLE-DRENO	Min	-2.170E-13	3.355E-13	-371.3969
78	0.	SLU-DRENO	Max	-2.799E-13	3.759E-13	-277.4054
78	0.23852	SLU-DRENO	Max	-2.799E-13	3.895E-13	-381.0248
78	0.47704	SLU-DRENO	Max	-2.799E-13	4.035E-13	-482.7707
78	0.	SLU-DRENO	Min	-2.799E-13	3.759E-13	-277.4054
78	0.23852	SLU-DRENO	Min	-2.799E-13	3.895E-13	-381.0248
78	0.47704	SLU-DRENO	Min	-2.799E-13	4.035E-13	-482.7707
78	0.	SLV-DRENO	Max	-3.432E-13	4.552E-13	-543.9406
78	0.23852	SLV-DRENO	Max	-3.432E-13	4.824E-13	-590.7583
78	0.47704	SLV-DRENO	Max	-3.432E-13	5.097E-13	-636.6344
78	0.	SLV-DRENO	Min	-3.432E-13	4.552E-13	-543.9406
78	0.23852	SLV-DRENO	Min	-3.432E-13	4.824E-13	-590.7583
78	0.47704	SLV-DRENO	Min	-3.432E-13	5.097E-13	-636.6344
78	0.	SLE-CALOTTA	Max	-1.245E-13	1.422E-13	-257.8632
78	0.23852	SLE-CALOTTA	Max	-1.245E-13	1.152E-13	-349.8233
78	0.47704	SLE-CALOTTA	Max	-1.245E-13	8.837E-14	-440.3424
78	0.	SLE-CALOTTA	Min	-1.245E-13	1.422E-13	-257.8632
78	0.23852	SLE-CALOTTA	Min	-1.245E-13	1.152E-13	-349.8233
78	0.47704	SLE-CALOTTA	Min	-1.245E-13	8.837E-14	-440.3424
78	0.	SLU-CALOTTA	Max	-1.565E-13	1.991E-13	-335.181
78	0.23852	SLU-CALOTTA	Max	-1.565E-13	2.060E-13	-454.7292
78	0.47704	SLU-CALOTTA	Max	-1.565E-13	2.132E-13	-572.4041
78	0.	SLU-CALOTTA	Min	-1.565E-13	1.991E-13	-335.181
78	0.23852	SLU-CALOTTA	Min	-1.565E-13	2.060E-13	-454.7292
78	0.47704	SLU-CALOTTA	Min	-1.565E-13	2.132E-13	-572.4041
78	0.	SLV-CALOTTA	Max	-1.636E-13	2.844E-13	-576.1111
78	0.23852	SLV-CALOTTA	Max	-1.636E-13	1.760E-13	-632.4171
78	0.47704	SLV-CALOTTA	Max	-1.636E-13	6.768E-14	-687.7815
78	0.	SLV-CALOTTA	Min	-1.636E-13	2.844E-13	-576.1111
78	0.23852	SLV-CALOTTA	Min	-1.636E-13	1.760E-13	-632.4171
78	0.47704	SLV-CALOTTA	Min	-1.636E-13	6.768E-14	-687.7815
79	0.	SLE-DRENO	Max	-2.357E-13	2.137E-13	-66.5408
79	0.23852	SLE-DRENO	Max	-2.357E-13	2.512E-13	-140.7119
79	0.47704	SLE-DRENO	Max	-2.357E-13	2.888E-13	-213.42
79	0.	SLE-DRENO	Min	-2.357E-13	2.137E-13	-66.5408
79	0.23852	SLE-DRENO	Min	-2.357E-13	2.512E-13	-140.7119
79	0.47704	SLE-DRENO	Min	-2.357E-13	2.888E-13	-213.42
79	0.	SLU-DRENO	Max	-3.051E-13	2.880E-13	-86.4674
79	0.23852	SLU-DRENO	Max	-3.051E-13	2.889E-13	-182.8874
79	0.47704	SLU-DRENO	Max	-3.051E-13	2.900E-13	-277.4054
79	0.	SLU-DRENO	Min	-3.051E-13	2.880E-13	-86.4674
79	0.23852	SLU-DRENO	Min	-3.051E-13	2.889E-13	-182.8874
79	0.47704	SLU-DRENO	Min	-3.051E-13	2.900E-13	-277.4054
79	0.	SLV-DRENO	Max	-3.787E-13	2.844E-13	-452.1917
79	0.23852	SLV-DRENO	Max	-3.787E-13	3.252E-13	-499.0669
79	0.47704	SLV-DRENO	Max	-3.787E-13	3.661E-13	-544.9132
79	0.	SLV-DRENO	Min	-3.787E-13	2.844E-13	-452.1917
79	0.23852	SLV-DRENO	Min	-3.787E-13	3.252E-13	-499.0669
79	0.47704	SLV-DRENO	Min	-3.787E-13	3.661E-13	-544.9132
79	0.	SLE-CALOTTA	Max	-1.316E-13	1.706E-13	-89.6565
79	0.23852	SLE-CALOTTA	Max	-1.316E-13	1.165E-13	-174.4915
79	0.47704	SLE-CALOTTA	Max	-1.316E-13	6.252E-14	-257.8632
79	0.	SLE-CALOTTA	Min	-1.316E-13	1.706E-13	-89.6565



8. Frame results

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Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
79	0.23852	SLE-CALOTTA	Min	-1.316E-13	1.165E-13	-174.4915
79	0.47704	SLE-CALOTTA	Min	-1.316E-13	6.252E-14	-257.8632
79	0.	SLU-CALOTTA	Max	-1.751E-13	1.493E-13	-116.5127
79	0.23852	SLU-CALOTTA	Max	-1.751E-13	1.495E-13	-226.7979
79	0.47704	SLU-CALOTTA	Max	-1.751E-13	1.498E-13	-335.181
79	0.	SLU-CALOTTA	Min	-1.751E-13	1.493E-13	-116.5127
79	0.23852	SLU-CALOTTA	Min	-1.751E-13	1.495E-13	-226.7979
79	0.47704	SLU-CALOTTA	Min	-1.751E-13	1.498E-13	-335.181
79	0.	SLV-CALOTTA	Max	-1.778E-13	1.706E-13	-466.0752
79	0.23852	SLV-CALOTTA	Max	-1.778E-13	1.165E-13	-522.0939
79	0.47704	SLV-CALOTTA	Max	-1.778E-13	6.248E-14	-577.0838
79	0.	SLV-CALOTTA	Min	-1.778E-13	1.706E-13	-466.0752
79	0.23852	SLV-CALOTTA	Min	-1.778E-13	1.165E-13	-522.0939
79	0.47704	SLV-CALOTTA	Min	-1.778E-13	6.248E-14	-577.0838
80	0.	SLE-DRENO	Max	-2.403E-13	2.209E-13	68.4476
80	0.23852	SLE-DRENO	Max	-2.403E-13	1.904E-13	0.2119
80	0.47704	SLE-DRENO	Max	-2.403E-13	1.602E-13	-66.5408
80	0.	SLE-DRENO	Min	-2.403E-13	2.209E-13	68.4476
80	0.23852	SLE-DRENO	Min	-2.403E-13	1.904E-13	0.2119
80	0.47704	SLE-DRENO	Min	-2.403E-13	1.602E-13	-66.5408
80	0.	SLU-DRENO	Max	-3.124E-13	2.166E-13	89.0123
80	0.23852	SLU-DRENO	Max	-3.124E-13	2.305E-13	0.3085
80	0.47704	SLU-DRENO	Max	-3.124E-13	2.446E-13	-86.4674
80	0.	SLU-DRENO	Min	-3.124E-13	2.166E-13	89.0123
80	0.23852	SLU-DRENO	Min	-3.124E-13	2.305E-13	0.3085
80	0.47704	SLU-DRENO	Min	-3.124E-13	2.446E-13	-86.4674
80	0.	SLV-DRENO	Max	-3.876E-13	2.703E-13	-361.1421
80	0.23852	SLV-DRENO	Max	-3.876E-13	2.839E-13	-407.6613
80	0.47704	SLV-DRENO	Max	-3.876E-13	2.976E-13	-453.0657
80	0.	SLV-DRENO	Min	-3.876E-13	2.703E-13	-361.1421
80	0.23852	SLV-DRENO	Min	-3.876E-13	2.839E-13	-407.6613
80	0.47704	SLV-DRENO	Min	-3.876E-13	2.976E-13	-453.0657
80	0.	SLE-CALOTTA	Max	-1.387E-13	1.138E-13	63.6685
80	0.23852	SLE-CALOTTA	Max	-1.387E-13	1.139E-13	-13.7355
80	0.47704	SLE-CALOTTA	Max	-1.387E-13	1.142E-13	-89.6565
80	0.	SLE-CALOTTA	Min	-1.387E-13	1.138E-13	63.6685
80	0.23852	SLE-CALOTTA	Min	-1.387E-13	1.139E-13	-13.7355
80	0.47704	SLE-CALOTTA	Min	-1.387E-13	1.142E-13	-89.6565
80	0.	SLU-CALOTTA	Max	-1.769E-13	1.564E-13	82.8086
80	0.23852	SLU-CALOTTA	Max	-1.769E-13	1.362E-13	-17.816
80	0.47704	SLU-CALOTTA	Max	-1.769E-13	1.162E-13	-116.5127
80	0.	SLU-CALOTTA	Min	-1.769E-13	1.564E-13	82.8086
80	0.23852	SLU-CALOTTA	Min	-1.769E-13	1.362E-13	-17.816
80	0.47704	SLU-CALOTTA	Min	-1.769E-13	1.162E-13	-116.5127
80	0.	SLV-CALOTTA	Max	-1.920E-13	1.706E-13	-358.014
80	0.23852	SLV-CALOTTA	Max	-1.920E-13	1.165E-13	-413.0389
80	0.47704	SLV-CALOTTA	Max	-1.920E-13	6.250E-14	-466.9492
80	0.	SLV-CALOTTA	Min	-1.920E-13	1.706E-13	-358.014
80	0.23852	SLV-CALOTTA	Min	-1.920E-13	1.165E-13	-413.0389
80	0.47704	SLV-CALOTTA	Min	-1.920E-13	6.250E-14	-466.9492
81	0.	SLE-DRENO	Max	-2.477E-13	1.925E-13	190.8348
81	0.23852	SLE-DRENO	Max	-2.477E-13	1.857E-13	128.8907
81	0.47704	SLE-DRENO	Max	-2.477E-13	1.792E-13	68.4476
81	0.	SLE-DRENO	Min	-2.477E-13	1.925E-13	190.8348
81	0.23852	SLE-DRENO	Min	-2.477E-13	1.857E-13	128.8907
81	0.47704	SLE-DRENO	Min	-2.477E-13	1.792E-13	68.4476
81	0.	SLU-DRENO	Max	-3.250E-13	2.598E-13	248.1099
81	0.23852	SLU-DRENO	Max	-3.250E-13	2.464E-13	167.5855
81	0.47704	SLU-DRENO	Max	-3.250E-13	2.332E-13	89.0123

## 8. Frame results

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
81	0.	SLU-DRENO	Min	-3.250E-13	2.598E-13	248.1099
81	0.23852	SLU-DRENO	Min	-3.250E-13	2.464E-13	167.5855
81	0.47704	SLU-DRENO	Min	-3.250E-13	2.332E-13	89.0123
81	0.	SLV-DRENO	Max	-3.912E-13	2.988E-13	-271.5865
81	0.23852	SLV-DRENO	Max	-3.912E-13	2.852E-13	-317.3509
81	0.47704	SLV-DRENO	Max	-3.912E-13	2.718E-13	-361.9164
81	0.	SLV-DRENO	Min	-3.912E-13	2.988E-13	-271.5865
81	0.23852	SLV-DRENO	Min	-3.912E-13	2.852E-13	-317.3509
81	0.47704	SLV-DRENO	Min	-3.912E-13	2.718E-13	-361.9164
81	0.	SLE-CALOTTA	Max	-1.387E-13	1.991E-13	201.5718
81	0.23852	SLE-CALOTTA	Max	-1.387E-13	1.178E-13	131.8697
81	0.47704	SLE-CALOTTA	Max	-1.387E-13	3.671E-14	63.6685
81	0.	SLE-CALOTTA	Min	-1.387E-13	1.991E-13	201.5718
81	0.23852	SLE-CALOTTA	Min	-1.387E-13	1.178E-13	131.8697
81	0.47704	SLE-CALOTTA	Min	-1.387E-13	3.671E-14	63.6685
81	0.	SLU-CALOTTA	Max	-1.840E-13	1.565E-13	262.0811
81	0.23852	SLU-CALOTTA	Max	-1.840E-13	1.498E-13	171.4693
81	0.47704	SLU-CALOTTA	Max	-1.840E-13	1.434E-13	82.8086
81	0.	SLU-CALOTTA	Min	-1.840E-13	1.565E-13	262.0811
81	0.23852	SLU-CALOTTA	Min	-1.840E-13	1.498E-13	171.4693
81	0.47704	SLU-CALOTTA	Min	-1.840E-13	1.434E-13	82.8086
81	0.	SLV-CALOTTA	Max	-1.920E-13	2.844E-13	-253.2916
81	0.23852	SLV-CALOTTA	Max	-1.920E-13	1.760E-13	-306.6393
81	0.47704	SLV-CALOTTA	Max	-1.920E-13	6.775E-14	-358.7882
81	0.	SLV-CALOTTA	Min	-1.920E-13	2.844E-13	-253.2916
81	0.23852	SLV-CALOTTA	Min	-1.920E-13	1.760E-13	-306.6393
81	0.47704	SLV-CALOTTA	Min	-1.920E-13	6.775E-14	-358.7882
82	0.	SLE-DRENO	Max	-2.530E-13	1.888E-13	299.9879
82	0.23852	SLE-DRENO	Max	-2.530E-13	1.584E-13	244.6531
82	0.47704	SLE-DRENO	Max	-2.530E-13	1.282E-13	190.8348
82	0.	SLE-DRENO	Min	-2.530E-13	1.888E-13	299.9879
82	0.23852	SLE-DRENO	Min	-2.530E-13	1.584E-13	244.6531
82	0.47704	SLE-DRENO	Min	-2.530E-13	1.282E-13	190.8348
82	0.	SLU-DRENO	Max	-3.340E-13	2.599E-13	390.0033
82	0.23852	SLU-DRENO	Max	-3.340E-13	2.326E-13	318.0709
82	0.47704	SLU-DRENO	Max	-3.340E-13	2.056E-13	248.1099
82	0.	SLU-DRENO	Min	-3.340E-13	2.599E-13	390.0033
82	0.23852	SLU-DRENO	Min	-3.340E-13	2.326E-13	318.0709
82	0.47704	SLU-DRENO	Min	-3.340E-13	2.056E-13	248.1099
82	0.	SLV-DRENO	Max	-4.072E-13	2.277E-13	-184.3058
82	0.23852	SLV-DRENO	Max	-4.072E-13	2.548E-13	-228.9235
82	0.47704	SLV-DRENO	Max	-4.072E-13	2.822E-13	-272.2598
82	0.	SLV-DRENO	Min	-4.072E-13	2.277E-13	-184.3058
82	0.23852	SLV-DRENO	Min	-4.072E-13	2.548E-13	-228.9235
82	0.47704	SLV-DRENO	Min	-4.072E-13	2.822E-13	-272.2598
82	0.	SLE-CALOTTA	Max	-1.494E-13	1.138E-13	323.5761
82	0.23852	SLE-CALOTTA	Max	-1.494E-13	1.410E-13	261.8156
82	0.47704	SLE-CALOTTA	Max	-1.494E-13	1.684E-13	201.5718
82	0.	SLE-CALOTTA	Min	-1.494E-13	1.138E-13	323.5761
82	0.23852	SLE-CALOTTA	Min	-1.494E-13	1.410E-13	261.8156
82	0.47704	SLE-CALOTTA	Min	-1.494E-13	1.684E-13	201.5718
82	0.	SLU-CALOTTA	Max	-1.920E-13	1.849E-13	420.6843
82	0.23852	SLU-CALOTTA	Max	-1.920E-13	1.714E-13	340.3969
82	0.47704	SLU-CALOTTA	Max	-1.920E-13	1.582E-13	262.0811
82	0.	SLU-CALOTTA	Min	-1.920E-13	1.849E-13	420.6843
82	0.23852	SLU-CALOTTA	Min	-1.920E-13	1.714E-13	340.3969
82	0.47704	SLU-CALOTTA	Min	-1.920E-13	1.582E-13	262.0811
82	0.	SLV-CALOTTA	Max	-1.991E-13	1.138E-13	-153.2329
82	0.23852	SLV-CALOTTA	Max	-1.991E-13	2.223E-13	-204.2396

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
82	0.47704	SLV-CALOTTA	Max	-1.991E-13	3.310E-13	-253.9648
82	0.	SLV-CALOTTA	Min	-1.991E-13	1.138E-13	-153.2329
82	0.23852	SLV-CALOTTA	Min	-1.991E-13	2.223E-13	-204.2396
82	0.47704	SLV-CALOTTA	Min	-1.991E-13	3.310E-13	-253.9648
83	0.	SLE-DRENO	Max	-2.622E-13	1.177E-13	395.3475
83	0.23852	SLE-DRENO	Max	-2.622E-13	1.483E-13	346.9027
83	0.47704	SLE-DRENO	Max	-2.622E-13	1.791E-13	299.9879
83	0.	SLE-DRENO	Min	-2.622E-13	1.177E-13	395.3475
83	0.23852	SLE-DRENO	Min	-2.622E-13	1.483E-13	346.9027
83	0.47704	SLE-DRENO	Min	-2.622E-13	1.791E-13	299.9879
83	0.	SLU-DRENO	Max	-3.430E-13	1.451E-13	513.9649
83	0.23852	SLU-DRENO	Max	-3.430E-13	1.863E-13	450.9896
83	0.47704	SLU-DRENO	Max	-3.430E-13	2.277E-13	390.0033
83	0.	SLU-DRENO	Min	-3.430E-13	1.451E-13	513.9649
83	0.23852	SLU-DRENO	Min	-3.430E-13	1.863E-13	450.9896
83	0.47704	SLU-DRENO	Min	-3.430E-13	2.277E-13	390.0033
83	0.	SLV-DRENO	Max	-4.232E-13	1.422E-13	-100.0825
83	0.23852	SLV-DRENO	Max	-4.232E-13	1.831E-13	-143.1608
83	0.47704	SLV-DRENO	Max	-4.232E-13	2.242E-13	-184.8771
83	0.	SLV-DRENO	Min	-4.232E-13	1.422E-13	-100.0825
83	0.23852	SLV-DRENO	Min	-4.232E-13	1.831E-13	-143.1608
83	0.47704	SLV-DRENO	Min	-4.232E-13	2.242E-13	-184.8771
83	0.	SLE-CALOTTA	Max	-1.494E-13	1.138E-13	429.2613
83	0.23852	SLE-CALOTTA	Max	-1.494E-13	8.676E-14	375.6537
83	0.47704	SLE-CALOTTA	Max	-1.494E-13	5.993E-14	323.5761
83	0.	SLE-CALOTTA	Min	-1.494E-13	1.138E-13	429.2613
83	0.23852	SLE-CALOTTA	Min	-1.494E-13	8.676E-14	375.6537
83	0.47704	SLE-CALOTTA	Min	-1.494E-13	5.993E-14	323.5761
83	0.	SLU-CALOTTA	Max	-1.956E-13	1.565E-13	558.0722
83	0.23852	SLU-CALOTTA	Max	-1.956E-13	1.634E-13	488.3837
83	0.47704	SLU-CALOTTA	Max	-1.956E-13	1.705E-13	420.6843
83	0.	SLU-CALOTTA	Min	-1.956E-13	1.565E-13	558.0722
83	0.23852	SLU-CALOTTA	Min	-1.956E-13	1.634E-13	488.3837
83	0.47704	SLU-CALOTTA	Min	-1.956E-13	1.705E-13	420.6843
83	0.	SLV-CALOTTA	Max	-2.063E-13	5.695E-14	-59.1269
83	0.23852	SLV-CALOTTA	Max	-2.063E-13	5.706E-14	-107.1466
83	0.47704	SLV-CALOTTA	Max	-2.063E-13	5.734E-14	-153.8042
83	0.	SLV-CALOTTA	Min	-2.063E-13	5.695E-14	-59.1269
83	0.23852	SLV-CALOTTA	Min	-2.063E-13	5.706E-14	-107.1466
83	0.47704	SLV-CALOTTA	Min	-2.063E-13	5.734E-14	-153.8042
84	0.	SLE-DRENO	Max	-2.579E-13	8.558E-14	476.423
84	0.23852	SLE-DRENO	Max	-2.579E-13	6.195E-14	435.1147
84	0.47704	SLE-DRENO	Max	-2.579E-13	3.851E-14	395.3475
84	0.	SLE-DRENO	Min	-2.579E-13	8.558E-14	476.423
84	0.23852	SLE-DRENO	Min	-2.579E-13	6.195E-14	435.1147
84	0.47704	SLE-DRENO	Min	-2.579E-13	3.851E-14	395.3475
84	0.	SLU-DRENO	Max	-3.430E-13	1.157E-13	619.3574
84	0.23852	SLU-DRENO	Max	-3.430E-13	1.433E-13	565.6594
84	0.47704	SLU-DRENO	Max	-3.430E-13	1.711E-13	513.9649
84	0.	SLU-DRENO	Min	-3.430E-13	1.157E-13	619.3574
84	0.23852	SLU-DRENO	Min	-3.430E-13	1.433E-13	565.6594
84	0.47704	SLU-DRENO	Min	-3.430E-13	1.711E-13	513.9649
84	0.	SLV-DRENO	Max	-4.250E-13	1.281E-13	-19.7148
84	0.23852	SLV-DRENO	Max	-4.250E-13	1.282E-13	-60.8533
84	0.47704	SLV-DRENO	Max	-4.250E-13	1.284E-13	-100.5511
84	0.	SLV-DRENO	Min	-4.250E-13	1.281E-13	-19.7148
84	0.23852	SLV-DRENO	Min	-4.250E-13	1.282E-13	-60.8533
84	0.47704	SLV-DRENO	Min	-4.250E-13	1.284E-13	-100.5511
84	0.	SLE-CALOTTA	Max	-1.494E-13	1.138E-13	518.2598

**Table 21: Element Forces - Frames, Part 2 of 2**

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
84	0.23852	SLE-CALOTTA	Max	-1.494E-13	1.410E-13	472.99
84	0.47704	SLE-CALOTTA	Max	-1.494E-13	1.684E-13	429.2613
84	0.	SLE-CALOTTA	Min	-1.494E-13	1.138E-13	518.2598
84	0.23852	SLE-CALOTTA	Min	-1.494E-13	1.410E-13	472.99
84	0.47704	SLE-CALOTTA	Min	-1.494E-13	1.684E-13	429.2613
84	0.	SLU-CALOTTA	Max	-1.965E-13	1.067E-13	673.7669
84	0.23852	SLU-CALOTTA	Max	-1.965E-13	1.204E-13	614.9177
84	0.47704	SLU-CALOTTA	Max	-1.965E-13	1.343E-13	558.0722
84	0.	SLU-CALOTTA	Min	-1.965E-13	1.067E-13	673.7669
84	0.23852	SLU-CALOTTA	Min	-1.965E-13	1.204E-13	614.9177
84	0.47704	SLU-CALOTTA	Min	-1.965E-13	1.343E-13	558.0722
84	0.	SLV-CALOTTA	Max	-2.276E-13	8.327E-17	27.7704
84	0.23852	SLV-CALOTTA	Max	-2.276E-13	1.086E-13	-16.6329
84	0.47704	SLV-CALOTTA	Max	-2.276E-13	2.174E-13	-59.5955
84	0.	SLV-CALOTTA	Min	-2.276E-13	8.327E-17	27.7704
84	0.23852	SLV-CALOTTA	Min	-2.276E-13	1.086E-13	-16.6329
84	0.47704	SLV-CALOTTA	Min	-2.276E-13	2.174E-13	-59.5955
85	0.	SLE-DRENO	Max	-2.626E-13	2.845E-14	542.7898
85	0.23852	SLE-DRENO	Max	-2.626E-13	4.220E-14	508.8313
85	0.47704	SLE-DRENO	Max	-2.626E-13	5.613E-14	476.423
85	0.	SLE-DRENO	Min	-2.626E-13	2.845E-14	542.7898
85	0.23852	SLE-DRENO	Min	-2.626E-13	4.220E-14	508.8313
85	0.47704	SLE-DRENO	Min	-2.626E-13	5.613E-14	476.423
85	0.	SLU-DRENO	Max	-3.431E-13	4.274E-14	705.6287
85	0.23852	SLU-DRENO	Max	-3.431E-13	5.698E-14	661.4854
85	0.47704	SLU-DRENO	Max	-3.431E-13	7.147E-14	619.3574
85	0.	SLU-DRENO	Min	-3.431E-13	4.274E-14	705.6287
85	0.23852	SLU-DRENO	Min	-3.431E-13	5.698E-14	661.4854
85	0.47704	SLU-DRENO	Min	-3.431E-13	7.147E-14	619.3574
85	0.	SLV-DRENO	Max	-4.267E-13	-4.274E-14	55.972
85	0.23852	SLV-DRENO	Max	-4.267E-13	1.158E-14	17.1874
85	0.47704	SLV-DRENO	Max	-4.267E-13	6.609E-14	-20.0799
85	0.	SLV-DRENO	Min	-4.267E-13	-4.274E-14	55.972
85	0.23852	SLV-DRENO	Min	-4.267E-13	1.158E-14	17.1874
85	0.47704	SLV-DRENO	Min	-4.267E-13	6.609E-14	-20.0799
85	0.	SLE-CALOTTA	Max	-1.565E-13	2.848E-14	590.2514
85	0.23852	SLE-CALOTTA	Max	-1.565E-13	1.099E-13	553.4805
85	0.47704	SLE-CALOTTA	Max	-1.565E-13	1.916E-13	518.2598
85	0.	SLE-CALOTTA	Min	-1.565E-13	2.848E-14	590.2514
85	0.23852	SLE-CALOTTA	Min	-1.565E-13	1.099E-13	553.4805
85	0.47704	SLE-CALOTTA	Min	-1.565E-13	1.916E-13	518.2598
85	0.	SLU-CALOTTA	Max	-1.965E-13	4.979E-14	767.3523
85	0.23852	SLU-CALOTTA	Max	-1.965E-13	7.705E-14	719.552
85	0.47704	SLU-CALOTTA	Max	-1.965E-13	1.045E-13	673.7669
85	0.	SLU-CALOTTA	Min	-1.965E-13	4.979E-14	767.3523
85	0.23852	SLU-CALOTTA	Min	-1.965E-13	7.705E-14	719.552
85	0.47704	SLU-CALOTTA	Min	-1.965E-13	1.045E-13	673.7669
85	0.	SLV-CALOTTA	Max	-2.134E-13	5.690E-14	106.2304
85	0.23852	SLV-CALOTTA	Max	-2.134E-13	-5.147E-14	66.0592
85	0.47704	SLV-CALOTTA	Max	-2.134E-13	-1.597E-13	27.4053
85	0.	SLV-CALOTTA	Min	-2.134E-13	5.690E-14	106.2304
85	0.23852	SLV-CALOTTA	Min	-2.134E-13	-5.147E-14	66.0592
85	0.47704	SLV-CALOTTA	Min	-2.134E-13	-1.597E-13	27.4053
86	0.	SLE-DRENO	Max	-2.593E-13	-3.915E-14	594.0855
86	0.23852	SLE-DRENO	Max	-2.593E-13	-3.566E-14	567.6592
86	0.47704	SLE-DRENO	Max	-2.593E-13	-3.199E-14	542.7898
86	0.	SLE-DRENO	Min	-2.593E-13	-3.915E-14	594.0855
86	0.23852	SLE-DRENO	Min	-2.593E-13	-3.566E-14	567.6592
86	0.47704	SLE-DRENO	Min	-2.593E-13	-3.199E-14	542.7898

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
86	0.	SLU-DRENO	Max	-3.394E-13	-4.315E-14	772.3078
86	0.23852	SLU-DRENO	Max	-3.394E-13	-1.557E-14	737.9562
86	0.47704	SLU-DRENO	Max	-3.394E-13	1.224E-14	705.6287
86	0.	SLU-DRENO	Min	-3.394E-13	-4.315E-14	772.3078
86	0.23852	SLU-DRENO	Min	-3.394E-13	-1.557E-14	737.9562
86	0.47704	SLU-DRENO	Min	-3.394E-13	1.224E-14	705.6287
86	0.	SLV-DRENO	Max	-4.232E-13	-1.422E-13	126.1149
86	0.23852	SLV-DRENO	Max	-4.232E-13	-1.013E-13	90.117
86	0.47704	SLV-DRENO	Max	-4.232E-13	-6.032E-14	55.7108
86	0.	SLV-DRENO	Min	-4.232E-13	-1.422E-13	126.1149
86	0.23852	SLV-DRENO	Min	-4.232E-13	-1.013E-13	90.117
86	0.47704	SLV-DRENO	Min	-4.232E-13	-6.032E-14	55.7108
86	0.	SLE-CALOTTA	Max	-1.458E-13	2.845E-14	644.9596
86	0.23852	SLE-CALOTTA	Max	-1.458E-13	1.455E-15	616.827
86	0.47704	SLE-CALOTTA	Max	-1.458E-13	-2.535E-14	590.2514
86	0.	SLE-CALOTTA	Min	-1.458E-13	2.845E-14	644.9596
86	0.23852	SLE-CALOTTA	Min	-1.458E-13	1.455E-15	616.827
86	0.47704	SLE-CALOTTA	Min	-1.458E-13	-2.535E-14	590.2514
86	0.	SLU-CALOTTA	Max	-1.938E-13	4.267E-14	838.4691
86	0.23852	SLU-CALOTTA	Max	-1.938E-13	4.281E-14	801.8987
86	0.47704	SLU-CALOTTA	Max	-1.938E-13	4.320E-14	767.3523
86	0.	SLU-CALOTTA	Min	-1.938E-13	4.267E-14	838.4691
86	0.23852	SLU-CALOTTA	Min	-1.938E-13	4.281E-14	801.8987
86	0.47704	SLU-CALOTTA	Min	-1.938E-13	4.320E-14	767.3523
86	0.	SLV-CALOTTA	Max	-2.134E-13	5.679E-14	175.0502
86	0.23852	SLV-CALOTTA	Max	-2.134E-13	2.653E-15	139.7139
86	0.47704	SLV-CALOTTA	Max	-2.134E-13	-5.129E-14	105.9692
86	0.	SLV-CALOTTA	Min	-2.134E-13	5.679E-14	175.0502
86	0.23852	SLV-CALOTTA	Min	-2.134E-13	2.653E-15	139.7139
86	0.47704	SLV-CALOTTA	Min	-2.134E-13	-5.129E-14	105.9692
87	0.	SLE-DRENO	Max	-2.546E-13	-7.203E-15	630.0084
87	0.23852	SLE-DRENO	Max	-2.546E-13	1.661E-14	611.2662
87	0.47704	SLE-DRENO	Max	-2.546E-13	4.061E-14	594.0855
87	0.	SLE-DRENO	Min	-2.546E-13	-7.203E-15	630.0084
87	0.23852	SLE-DRENO	Min	-2.546E-13	1.661E-14	611.2662
87	0.47704	SLE-DRENO	Min	-2.546E-13	4.061E-14	594.0855
87	0.	SLU-DRENO	Max	-3.322E-13	-7.166E-14	819.0028
87	0.23852	SLU-DRENO	Max	-3.322E-13	-5.801E-14	794.6403
87	0.47704	SLU-DRENO	Max	-3.322E-13	-4.410E-14	772.3078
87	0.	SLU-DRENO	Min	-3.322E-13	-7.166E-14	819.0028
87	0.23852	SLU-DRENO	Min	-3.322E-13	-5.801E-14	794.6403
87	0.47704	SLU-DRENO	Min	-3.322E-13	-4.410E-14	772.3078
87	0.	SLV-DRENO	Max	-4.196E-13	-1.281E-13	189.8051
87	0.23852	SLV-DRENO	Max	-4.196E-13	-1.280E-13	157.0497
87	0.47704	SLV-DRENO	Max	-4.196E-13	-1.276E-13	125.9581
87	0.	SLV-DRENO	Min	-4.196E-13	-1.281E-13	189.8051
87	0.23852	SLV-DRENO	Min	-4.196E-13	-1.280E-13	157.0497
87	0.47704	SLV-DRENO	Min	-4.196E-13	-1.276E-13	125.9581
87	0.	SLE-CALOTTA	Max	-1.494E-13	1.388E-17	682.1492
87	0.23852	SLE-CALOTTA	Max	-1.494E-13	-2.699E-14	662.7736
87	0.47704	SLE-CALOTTA	Max	-1.494E-13	-5.381E-14	644.9596
87	0.	SLE-CALOTTA	Min	-1.494E-13	1.388E-17	682.1492
87	0.23852	SLE-CALOTTA	Min	-1.494E-13	-2.699E-14	662.7736
87	0.47704	SLE-CALOTTA	Min	-1.494E-13	-5.381E-14	644.9596
87	0.	SLU-CALOTTA	Max	-1.911E-13	2.845E-14	886.8115
87	0.23852	SLU-CALOTTA	Max	-1.911E-13	3.537E-14	861.6253
87	0.47704	SLU-CALOTTA	Max	-1.911E-13	4.253E-14	838.4691
87	0.	SLU-CALOTTA	Min	-1.911E-13	2.845E-14	886.8115
87	0.23852	SLU-CALOTTA	Min	-1.911E-13	3.537E-14	861.6253

**Table 21: Element Forces - Frames, Part 2 of 2**

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
87	0.47704	SLU-CALOTTA	Min	-1.911E-13	4.253E-14	838.4691
87	0.	SLV-CALOTTA	Max	-2.134E-13	-1.137E-13	233.0531
87	0.23852	SLV-CALOTTA	Max	-2.134E-13	1.033E-13	203.1413
87	0.47704	SLV-CALOTTA	Max	-2.134E-13	3.205E-13	174.8933
87	0.	SLV-CALOTTA	Min	-2.134E-13	-1.137E-13	233.0531
87	0.23852	SLV-CALOTTA	Min	-2.134E-13	1.033E-13	203.1413
87	0.47704	SLV-CALOTTA	Min	-2.134E-13	3.205E-13	174.8933
88	0.	SLE-DRENO	Max	-2.450E-13	-7.117E-14	650.3153
88	0.23852	SLE-DRENO	Max	-2.450E-13	-6.767E-14	639.38
88	0.47704	SLE-DRENO	Max	-2.450E-13	-6.398E-14	630.0084
88	0.	SLE-DRENO	Min	-2.450E-13	-7.117E-14	650.3153
88	0.23852	SLE-DRENO	Min	-2.450E-13	-6.767E-14	639.38
88	0.47704	SLE-DRENO	Min	-2.450E-13	-6.398E-14	630.0084
88	0.	SLU-DRENO	Max	-3.232E-13	-8.614E-14	845.3972
88	0.23852	SLU-DRENO	Max	-3.232E-13	-7.246E-14	831.1836
88	0.47704	SLU-DRENO	Max	-3.232E-13	-5.853E-14	819.0028
88	0.	SLU-DRENO	Min	-3.232E-13	-8.614E-14	845.3972
88	0.23852	SLU-DRENO	Min	-3.232E-13	-7.246E-14	831.1836
88	0.47704	SLU-DRENO	Min	-3.232E-13	-5.853E-14	819.0028
88	0.	SLV-DRENO	Max	-4.072E-13	-1.280E-13	246.0821
88	0.23852	SLV-DRENO	Max	-4.072E-13	-1.551E-13	217.0507
88	0.47704	SLV-DRENO	Max	-4.072E-13	-1.819E-13	189.7528
88	0.	SLV-DRENO	Min	-4.072E-13	-1.280E-13	246.0821
88	0.23852	SLV-DRENO	Min	-4.072E-13	-1.551E-13	217.0507
88	0.47704	SLV-DRENO	Min	-4.072E-13	-1.819E-13	189.7528
88	0.	SLE-CALOTTA	Max	-1.458E-13	-2.838E-14	701.6242
88	0.23852	SLE-CALOTTA	Max	-1.458E-13	-1.168E-15	691.1048
88	0.47704	SLE-CALOTTA	Max	-1.458E-13	2.624E-14	682.1492
88	0.	SLE-CALOTTA	Min	-1.458E-13	-2.838E-14	701.6242
88	0.23852	SLE-CALOTTA	Min	-1.458E-13	-1.168E-15	691.1048
88	0.47704	SLE-CALOTTA	Min	-1.458E-13	2.624E-14	682.1492
88	0.	SLU-CALOTTA	Max	-1.858E-13	7.133E-15	912.1251
88	0.23852	SLU-CALOTTA	Max	-1.858E-13	1.404E-14	898.4519
88	0.47704	SLU-CALOTTA	Max	-1.858E-13	2.119E-14	886.8115
88	0.	SLU-CALOTTA	Min	-1.858E-13	7.133E-15	912.1251
88	0.23852	SLU-CALOTTA	Min	-1.858E-13	1.404E-14	898.4519
88	0.47704	SLU-CALOTTA	Min	-1.858E-13	2.119E-14	886.8115
88	0.	SLV-CALOTTA	Max	-2.134E-13	-5.687E-14	279.0736
88	0.23852	SLV-CALOTTA	Max	-2.134E-13	-5.674E-14	255.1705
88	0.47704	SLV-CALOTTA	Max	-2.134E-13	-5.639E-14	233.0008
88	0.	SLV-CALOTTA	Min	-2.134E-13	-5.687E-14	279.0736
88	0.23852	SLV-CALOTTA	Min	-2.134E-13	-5.674E-14	255.1705
88	0.47704	SLV-CALOTTA	Min	-2.134E-13	-5.639E-14	233.0008

## 9. Material take-off

This section provides a material take-off.

**Table 22: Material List 2 - By Section Property**

Table 22: Material List 2 - By Section Property

Section	ObjectType	NumPieces	TotalLength m	TotalWeight KN
C110	Frame	24	11.44667	314.69
C100	Frame	20	9.59533	239.813
C102	Frame	6	2.68544	68.459

**Table 22: Material List 2 - By Section Property**

Section	ObjectType	NumPieces	TotalLength m	TotalWeight KN
C106	Frame	6	2.68544	71.143
C115	Frame	4	1.80277	51.814
C126	Frame	4	1.80277	56.77
C140	Frame	4	1.80277	63.078
C158	Frame	4	1.80277	71.188
C179	Frame	4	1.80277	80.65
C114	Frame	2	0.88206	25.131
C125	Frame	2	0.65781	20.55
C135	Frame	2	0.65781	22.194
C147	Frame	4	1.60967	59.138
C171	Frame	2	0.95187	40.68

## 10. Design preferences

This section provides the design preferences for each type of design, which typically include material reduction factors, framing type, stress ratio limit, deflection limits, and other code specific items.

### 10.1. Steel design

**Table 23: Preferences - Steel Design - AISC 360-10, Part 1 of 4**

Table 23: Preferences - Steel Design - AISC 360-10, Part 1 of 4

THDesign	FrameType	PatLLF	SRatioLimit	MaxIter	SDC	SeisCode	SeisLoad	ImpFactor
Envelopes	SMF	0.75	0.95	1	D	Yes	Yes	1.

**Table 23: Preferences - Steel Design - AISC 360-10, Part 2 of 4**

Table 23: Preferences - Steel Design - AISC 360-10, Part 2 of 4

SystemRho	SystemSds	SystemR	SystemCd	Omega0	Provision	AMethod	SOMethod	SRMethod
1.	0.5	8.	5.5	3.	LRFD	Direct Analysis	General 2nd Order	Tau-b Fixed

**Table 23: Preferences - Steel Design - AISC 360-10, Part 3 of 4**

Table 23: Preferences - Steel Design - AISC 360-10, Part 3 of 4

NLCoeff	PhiB	PhiC	PhiTY	PhiTF	PhiV	PhiVRolledI	PhiVT	PlugWeld
0.002	0.9	0.9	0.9	0.75	0.9	1.	0.9	Yes

**Table 23: Preferences - Steel Design - AISC 360-10, Part 4 of 4**

Table 23: Preferences - Steel Design - AISC 360-10, Part 4 of 4

HSSWelding	HSSReduce T	CheckDefl	DLRat	SDLAndLLR at	LLRat	TotalRat	NetRat
ERW	No	No	120.	120.	360.	240.	240.

## 10.2. Concrete design

**Table 24: Preferences - Concrete Design - ACI 318-11, Part 1 of 2**

Table 24: Preferences - Concrete Design - ACI 318-11, Part 1 of 2

THDesign	NumCurves	NumPoints	MinEccen	PatLLF	UFLimit	SeisCat	Rho	Sds
Envelopes	24	11	Yes	0.75	0.95	D	1.	0.5

**Table 24: Preferences - Concrete Design - ACI 318-11, Part 2 of 2**

Table 24: Preferences - Concrete Design - ACI 318-11, Part 2 of 2

PhiT	PhiCTied	PhiCSpiral	PhiV	PhiVSeismic	PhiVJoint
0.9	0.65	0.75	0.75	0.6	0.85

## 10.3. Aluminum design

**Table 25: Preferences - Aluminum Design - AA-ASD 2000**

Table 25: Preferences - Aluminum Design - AA-ASD 2000

FrameType	SRatioLimit	LatFact	UseLatFact
Moment Frame	1.	1.333333	No

## 10.4. Cold formed design

**Table 26: Preferences - Cold Formed Design - AISI-ASD96**

Table 26: Preferences - Cold Formed Design - AISI-ASD96

FrameType	SRatioLimit	OmegaBS	OmegaBUS	OmegaBLTB	OmegaVS	OmegaVNS	OmegaT	OmegaC
Braced Frame	1.	1.67	1.67	1.67	1.67	1.5	1.67	1.8

# 11. Design overwrites

This section provides the design overwrites for each type of design, which are assigned to individual members of the structure.

## 11.1. Concrete design

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 1 of 2**

Table 27: Overwrites - Concrete Design - ACI 318-11, Part 1 of 2

Frame	DesignSect	FrameType	RLLF	XMLMajor	XLMinor	XKMajor
1	Program Determined	Program Determined	0.	0.	0.	0.



**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 1 of 2**

Frame	DesignSect	FrameType	RLLF	XMLMajor	XMLMinor	XKMajor
2	Program Determined	Program Determined	0.	0.	0.	0.
3	Program Determined	Program Determined	0.	0.	0.	0.
4	Program Determined	Program Determined	0.	0.	0.	0.
5	Program Determined	Program Determined	0.	0.	0.	0.
6	Program Determined	Program Determined	0.	0.	0.	0.
7	Program Determined	Program Determined	0.	0.	0.	0.
8	Program Determined	Program Determined	0.	0.	0.	0.
9	Program Determined	Program Determined	0.	0.	0.	0.
10	Program Determined	Program Determined	0.	0.	0.	0.
11	Program Determined	Program Determined	0.	0.	0.	0.
12	Program Determined	Program Determined	0.	0.	0.	0.
13	Program Determined	Program Determined	0.	0.	0.	0.
14	Program Determined	Program Determined	0.	0.	0.	0.
15	Program Determined	Program Determined	0.	0.	0.	0.
16	Program Determined	Program Determined	0.	0.	0.	0.
17	Program Determined	Program Determined	0.	0.	0.	0.
18	Program Determined	Program Determined	0.	0.	0.	0.
19	Program Determined	Program Determined	0.	0.	0.	0.
20	Program Determined	Program Determined	0.	0.	0.	0.
21	Program Determined	Program Determined	0.	0.	0.	0.
22	Program Determined	Program Determined	0.	0.	0.	0.
23	Program Determined	Program Determined	0.	0.	0.	0.
24	Program Determined	Program Determined	0.	0.	0.	0.
25	Program Determined	Program Determined	0.	0.	0.	0.
26	Program Determined	Program Determined	0.	0.	0.	0.
27	Program Determined	Program Determined	0.	0.	0.	0.
28	Program Determined	Program Determined	0.	0.	0.	0.
29	Program Determined	Program Determined	0.	0.	0.	0.
30	Program Determined	Program Determined	0.	0.	0.	0.
31	Program Determined	Program Determined	0.	0.	0.	0.
32	Program Determined	Program Determined	0.	0.	0.	0.
33	Program Determined	Program Determined	0.	0.	0.	0.
34	Program Determined	Program Determined	0.	0.	0.	0.
35	Program Determined	Program Determined	0.	0.	0.	0.
36	Program Determined	Program Determined	0.	0.	0.	0.
37	Program Determined	Program Determined	0.	0.	0.	0.
38	Program Determined	Program Determined	0.	0.	0.	0.
39	Program Determined	Program Determined	0.	0.	0.	0.
40	Program Determined	Program Determined	0.	0.	0.	0.
41	Program Determined	Program Determined	0.	0.	0.	0.
42	Program Determined	Program Determined	0.	0.	0.	0.
43	Program Determined	Program Determined	0.	0.	0.	0.
44	Program Determined	Program Determined	0.	0.	0.	0.
45	Program Determined	Program Determined	0.	0.	0.	0.
46	Program Determined	Program Determined	0.	0.	0.	0.
47	Program Determined	Program Determined	0.	0.	0.	0.
48	Program Determined	Program Determined	0.	0.	0.	0.
49	Program Determined	Program Determined	0.	0.	0.	0.
50	Program Determined	Program Determined	0.	0.	0.	0.
51	Program Determined	Program Determined	0.	0.	0.	0.
52	Program Determined	Program Determined	0.	0.	0.	0.
53	Program Determined	Program Determined	0.	0.	0.	0.
54	Program Determined	Program Determined	0.	0.	0.	0.
55	Program Determined	Program Determined	0.	0.	0.	0.
56	Program Determined	Program Determined	0.	0.	0.	0.
57	Program Determined	Program Determined	0.	0.	0.	0.
58	Program Determined	Program Determined	0.	0.	0.	0.
59	Program Determined	Program Determined	0.	0.	0.	0.
60	Program Determined	Program Determined	0.	0.	0.	0.

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 1 of 2**

Frame	DesignSect	FrameType	RLLF	XMLMajor	XLMinor	XKMajor
61	Program Determined	Program Determined	0.	0.	0.	0.
62	Program Determined	Program Determined	0.	0.	0.	0.
63	Program Determined	Program Determined	0.	0.	0.	0.
64	Program Determined	Program Determined	0.	0.	0.	0.
65	Program Determined	Program Determined	0.	0.	0.	0.
66	Program Determined	Program Determined	0.	0.	0.	0.
67	Program Determined	Program Determined	0.	0.	0.	0.
68	Program Determined	Program Determined	0.	0.	0.	0.
69	Program Determined	Program Determined	0.	0.	0.	0.
70	Program Determined	Program Determined	0.	0.	0.	0.
71	Program Determined	Program Determined	0.	0.	0.	0.
72	Program Determined	Program Determined	0.	0.	0.	0.
73	Program Determined	Program Determined	0.	0.	0.	0.
74	Program Determined	Program Determined	0.	0.	0.	0.
75	Program Determined	Program Determined	0.	0.	0.	0.
76	Program Determined	Program Determined	0.	0.	0.	0.
77	Program Determined	Program Determined	0.	0.	0.	0.
78	Program Determined	Program Determined	0.	0.	0.	0.
79	Program Determined	Program Determined	0.	0.	0.	0.
80	Program Determined	Program Determined	0.	0.	0.	0.
81	Program Determined	Program Determined	0.	0.	0.	0.
82	Program Determined	Program Determined	0.	0.	0.	0.
83	Program Determined	Program Determined	0.	0.	0.	0.
84	Program Determined	Program Determined	0.	0.	0.	0.
85	Program Determined	Program Determined	0.	0.	0.	0.
86	Program Determined	Program Determined	0.	0.	0.	0.
87	Program Determined	Program Determined	0.	0.	0.	0.
88	Program Determined	Program Determined	0.	0.	0.	0.

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 2 of 2**

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 2 of 2**

Frame	XKMinor	CmMajor	CmMinor	DnsMajor	DnsMinor	DsMajor	DsMinor
1	0.	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.	0.

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 2 of 2**

Frame	XKMinor	CmMajor	CmMinor	DnsMajor	DnsMinor	DsMajor	DsMinor
25	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.
36	0.	0.	0.	0.	0.	0.	0.
37	0.	0.	0.	0.	0.	0.	0.
38	0.	0.	0.	0.	0.	0.	0.
39	0.	0.	0.	0.	0.	0.	0.
40	0.	0.	0.	0.	0.	0.	0.
41	0.	0.	0.	0.	0.	0.	0.
42	0.	0.	0.	0.	0.	0.	0.
43	0.	0.	0.	0.	0.	0.	0.
44	0.	0.	0.	0.	0.	0.	0.
45	0.	0.	0.	0.	0.	0.	0.
46	0.	0.	0.	0.	0.	0.	0.
47	0.	0.	0.	0.	0.	0.	0.
48	0.	0.	0.	0.	0.	0.	0.
49	0.	0.	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.
51	0.	0.	0.	0.	0.	0.	0.
52	0.	0.	0.	0.	0.	0.	0.
53	0.	0.	0.	0.	0.	0.	0.
54	0.	0.	0.	0.	0.	0.	0.
55	0.	0.	0.	0.	0.	0.	0.
56	0.	0.	0.	0.	0.	0.	0.
57	0.	0.	0.	0.	0.	0.	0.
58	0.	0.	0.	0.	0.	0.	0.
59	0.	0.	0.	0.	0.	0.	0.
60	0.	0.	0.	0.	0.	0.	0.
61	0.	0.	0.	0.	0.	0.	0.
62	0.	0.	0.	0.	0.	0.	0.
63	0.	0.	0.	0.	0.	0.	0.
64	0.	0.	0.	0.	0.	0.	0.
65	0.	0.	0.	0.	0.	0.	0.
66	0.	0.	0.	0.	0.	0.	0.
67	0.	0.	0.	0.	0.	0.	0.
68	0.	0.	0.	0.	0.	0.	0.
69	0.	0.	0.	0.	0.	0.	0.
70	0.	0.	0.	0.	0.	0.	0.
71	0.	0.	0.	0.	0.	0.	0.
72	0.	0.	0.	0.	0.	0.	0.
73	0.	0.	0.	0.	0.	0.	0.
74	0.	0.	0.	0.	0.	0.	0.
75	0.	0.	0.	0.	0.	0.	0.
76	0.	0.	0.	0.	0.	0.	0.
77	0.	0.	0.	0.	0.	0.	0.
78	0.	0.	0.	0.	0.	0.	0.
79	0.	0.	0.	0.	0.	0.	0.
80	0.	0.	0.	0.	0.	0.	0.
81	0.	0.	0.	0.	0.	0.	0.
82	0.	0.	0.	0.	0.	0.	0.
83	0.	0.	0.	0.	0.	0.	0.

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 2 of 2**

Frame	XKMinor	CmMajor	CmMinor	DnsMajor	DnsMinor	DsMajor	DsMinor
84	0.	0.	0.	0.	0.	0.	0.
85	0.	0.	0.	0.	0.	0.	0.
86	0.	0.	0.	0.	0.	0.	0.
87	0.	0.	0.	0.	0.	0.	0.
88	0.	0.	0.	0.	0.	0.	0.

## ALLEGATO 2: REPORT DI CALCOLO SAP2000 – SEZIONE GA-C2-IMB



## **SAP2000 Analysis Report**

Prepared by  
**Pro Iter srl**

**Model Name: GA\_S2\_imb.sdb**

**10 maggio 2021**

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# 1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

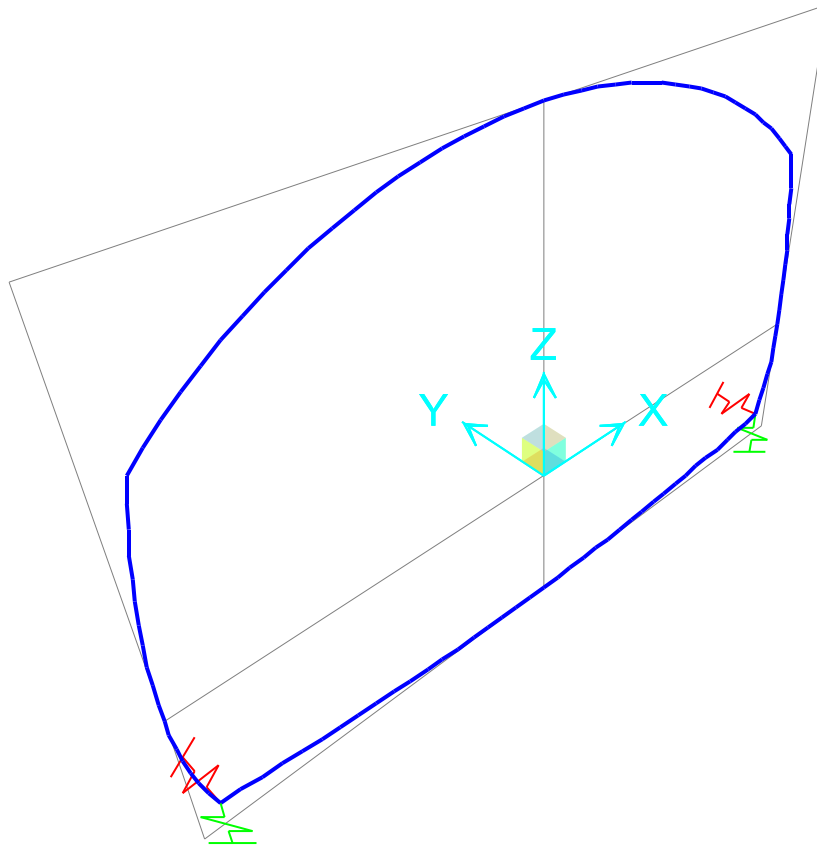


Figure 1: Finite element model

## 1.1. Joint coordinates

Table 1: Joint Coordinates

Table 1: Joint Coordinates					
Joint	CoordSys	CoordType	GlobalX m	GlobalY m	GlobalZ m
1	GLOBAL	Cartesian	5.982E-09	0.	9.12506
2	GLOBAL	Cartesian	0.50381	0.	9.11563
3	GLOBAL	Cartesian	1.00692	0.	9.08738
4	GLOBAL	Cartesian	1.50861	0.	9.04034
5	GLOBAL	Cartesian	2.0082	0.	8.97457
6	GLOBAL	Cartesian	2.50498	0.	8.89017
7	GLOBAL	Cartesian	2.99826	0.	8.78726
8	GLOBAL	Cartesian	3.48734	0.	8.66597
9	GLOBAL	Cartesian	3.97155	0.	8.52648
10	GLOBAL	Cartesian	4.45021	0.	8.36899
11	GLOBAL	Cartesian	4.92264	0.	8.19371
12	GLOBAL	Cartesian	5.38818	0.	8.00089
13	GLOBAL	Cartesian	5.8462	0.	7.7908
14	GLOBAL	Cartesian	6.29603	0.	7.56373
15	GLOBAL	Cartesian	6.73707	0.	7.32
16	GLOBAL	Cartesian	7.16923	0.	7.04778

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	GlobalX m	GlobalY m	GlobalZ m
17	GLOBAL	Cartesian	7.59041	0.	6.75886
18	GLOBAL	Cartesian	7.99997	0.	6.45368
19	GLOBAL	Cartesian	8.39726	0.	6.1327
20	GLOBAL	Cartesian	8.78169	0.	5.79642
21	GLOBAL	Cartesian	9.15267	0.	5.44535
22	GLOBAL	Cartesian	9.26667	0.	4.95868
23	GLOBAL	Cartesian	9.36998	0.	4.46962
24	GLOBAL	Cartesian	9.46256	0.	3.97842
25	GLOBAL	Cartesian	9.54434	0.	3.48531
26	GLOBAL	Cartesian	9.6153	0.	2.99052
27	GLOBAL	Cartesian	9.67541	0.	2.4943
28	GLOBAL	Cartesian	9.72462	0.	1.99688
29	GLOBAL	Cartesian	9.76292	0.	1.4985
30	GLOBAL	Cartesian	9.79029	0.	0.9994
31	GLOBAL	Cartesian	9.80672	0.	0.49982
32	GLOBAL	Cartesian	9.8122	0.	9.025E-10
33	GLOBAL	Cartesian	9.80293	0.	-0.43221
34	GLOBAL	Cartesian	9.77514	0.	-0.86363
35	GLOBAL	Cartesian	9.72888	0.	-1.29347
36	GLOBAL	Cartesian	9.66424	0.	-1.72092
37	GLOBAL	Cartesian	9.57248	0.	-2.18546
38	GLOBAL	Cartesian	9.45901	0.	-2.64518
39	GLOBAL	Cartesian	9.32408	0.	-3.09906
40	GLOBAL	Cartesian	8.83698	0.	-3.17324
41	GLOBAL	Cartesian	8.34929	0.	-3.24343
42	GLOBAL	Cartesian	7.86104	0.	-3.30964
43	GLOBAL	Cartesian	7.37227	0.	-3.37185
44	GLOBAL	Cartesian	6.88301	0.	-3.43007
45	GLOBAL	Cartesian	6.39328	0.	-3.4843
46	GLOBAL	Cartesian	5.90314	0.	-3.53452
47	GLOBAL	Cartesian	5.41259	0.	-3.58073
48	GLOBAL	Cartesian	4.92169	0.	-3.62294
49	GLOBAL	Cartesian	4.43046	0.	-3.66114
50	GLOBAL	Cartesian	3.93893	0.	-3.69532
51	GLOBAL	Cartesian	3.44714	0.	-3.72549
52	GLOBAL	Cartesian	2.95512	0.	-3.75163
53	GLOBAL	Cartesian	2.4629	0.	-3.77376
54	GLOBAL	Cartesian	1.97052	0.	-3.79187
55	GLOBAL	Cartesian	1.478	0.	-3.80595
56	GLOBAL	Cartesian	0.98539	0.	-3.81602
57	GLOBAL	Cartesian	0.49271	0.	-3.82205
58	GLOBAL	Cartesian	6.185E-09	0.	-3.82406
59	GLOBAL	Cartesian	-0.49271	0.	-3.82205
60	GLOBAL	Cartesian	-0.98539	0.	-3.81602
61	GLOBAL	Cartesian	-1.478	0.	-3.80595
62	GLOBAL	Cartesian	-1.97052	0.	-3.79187
63	GLOBAL	Cartesian	-2.4629	0.	-3.77376
64	GLOBAL	Cartesian	-2.95512	0.	-3.75163
65	GLOBAL	Cartesian	-3.44714	0.	-3.72549
66	GLOBAL	Cartesian	-3.93893	0.	-3.69532
67	GLOBAL	Cartesian	-4.43046	0.	-3.66114
68	GLOBAL	Cartesian	-4.92169	0.	-3.62294
69	GLOBAL	Cartesian	-5.41259	0.	-3.58073
70	GLOBAL	Cartesian	-5.90314	0.	-3.53452
71	GLOBAL	Cartesian	-6.39328	0.	-3.4843
72	GLOBAL	Cartesian	-6.88301	0.	-3.43007
73	GLOBAL	Cartesian	-7.37227	0.	-3.37185
74	GLOBAL	Cartesian	-7.86104	0.	-3.30964
75	GLOBAL	Cartesian	-8.34929	0.	-3.24343

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	GlobalX m	GlobalY m	GlobalZ m
76	GLOBAL	Cartesian	-8.83698	0.	-3.17324
77	GLOBAL	Cartesian	-9.32408	0.	-3.09906
78	GLOBAL	Cartesian	-9.45901	0.	-2.64518
79	GLOBAL	Cartesian	-9.57248	0.	-2.18546
80	GLOBAL	Cartesian	-9.66424	0.	-1.72092
81	GLOBAL	Cartesian	-9.72888	0.	-1.29347
82	GLOBAL	Cartesian	-9.77514	0.	-0.86363
83	GLOBAL	Cartesian	-9.80293	0.	-0.43221
84	GLOBAL	Cartesian	-9.8122	0.	9.025E-10
85	GLOBAL	Cartesian	-9.80672	0.	0.49982
86	GLOBAL	Cartesian	-9.79029	0.	0.9994
87	GLOBAL	Cartesian	-9.76292	0.	1.4985
88	GLOBAL	Cartesian	-9.72462	0.	1.99688
89	GLOBAL	Cartesian	-9.67541	0.	2.4943
90	GLOBAL	Cartesian	-9.6153	0.	2.99052
91	GLOBAL	Cartesian	-9.54434	0.	3.48531
92	GLOBAL	Cartesian	-9.46256	0.	3.97842
93	GLOBAL	Cartesian	-9.36998	0.	4.46962
94	GLOBAL	Cartesian	-9.26667	0.	4.95868
95	GLOBAL	Cartesian	-9.15267	0.	5.44535
96	GLOBAL	Cartesian	-8.78169	0.	5.79642
97	GLOBAL	Cartesian	-8.39726	0.	6.1327
98	GLOBAL	Cartesian	-7.99997	0.	6.45368
99	GLOBAL	Cartesian	-7.59041	0.	6.75886
100	GLOBAL	Cartesian	-7.16923	0.	7.04778
101	GLOBAL	Cartesian	-6.73707	0.	7.32
102	GLOBAL	Cartesian	-6.29603	0.	7.56373
103	GLOBAL	Cartesian	-5.8462	0.	7.7908
104	GLOBAL	Cartesian	-5.38818	0.	8.00089
105	GLOBAL	Cartesian	-4.92264	0.	8.19371
106	GLOBAL	Cartesian	-4.45021	0.	8.36899
107	GLOBAL	Cartesian	-3.97155	0.	8.52648
108	GLOBAL	Cartesian	-3.48734	0.	8.66597
109	GLOBAL	Cartesian	-2.99826	0.	8.78726
110	GLOBAL	Cartesian	-2.50498	0.	8.89017
111	GLOBAL	Cartesian	-2.0082	0.	8.97457
112	GLOBAL	Cartesian	-1.50861	0.	9.04034
113	GLOBAL	Cartesian	-1.00692	0.	9.08738
114	GLOBAL	Cartesian	-0.50381	0.	9.11563

## 1.2. Element connectivity

**Table 2: Connectivity - Frame**

**Table 2: Connectivity - Frame**

Frame	JointI	JointJ	Length m
1	1	2	0.5039
2	2	3	0.5039
3	3	4	0.5039
4	4	5	0.5039
5	5	6	0.5039
6	6	7	0.5039
7	7	8	0.5039
8	8	9	0.5039

**Table 2: Connectivity - Frame**

Frame	JointI	JointJ	Length m
9	9	10	0.5039
10	10	11	0.5039
11	11	12	0.5039
12	12	13	0.5039
13	13	14	0.5039
14	14	15	0.5039
15	15	16	0.51075
16	16	17	0.51075
17	17	18	0.51075
18	18	19	0.51075
19	19	20	0.51075
20	20	21	0.51075
21	21	22	0.49985
22	22	23	0.49985
23	23	24	0.49985
24	24	25	0.49985
25	25	26	0.49985
26	26	27	0.49985
27	27	28	0.49985
28	28	29	0.49985
29	29	30	0.49985
30	30	31	0.49985
31	31	32	0.49985
32	32	33	0.43231
33	33	34	0.43231
34	34	35	0.43231
35	35	36	0.43231
36	36	37	0.47352
37	37	38	0.47352
38	38	39	0.47352
39	39	40	0.49272
40	40	41	0.49272
41	41	42	0.49272
42	42	43	0.49272
43	43	44	0.49272
44	44	45	0.49272
45	45	46	0.49272
46	46	47	0.49272
47	47	48	0.49272
48	48	49	0.49272
49	49	50	0.49272
50	50	51	0.49272
51	51	52	0.49272
52	52	53	0.49272
53	53	54	0.49272
54	54	55	0.49272
55	55	56	0.49272
56	56	57	0.49272
57	57	58	0.49272
58	58	59	0.49272
59	59	60	0.49272
60	60	61	0.49272
61	61	62	0.49272
62	62	63	0.49272
63	63	64	0.49272
64	64	65	0.49272
65	65	66	0.49272
66	66	67	0.49272
67	67	68	0.49272

**Table 2: Connectivity - Frame**

Frame	JointI	JointJ	Length m
68	68	69	0.49272
69	69	70	0.49272
70	70	71	0.49272
71	71	72	0.49272
72	72	73	0.49272
73	73	74	0.49272
74	74	75	0.49272
75	75	76	0.49272
76	76	77	0.49272
77	77	78	0.47352
78	78	79	0.47352
79	79	80	0.47352
80	80	81	0.43231
81	81	82	0.43231
82	82	83	0.43231
83	83	84	0.43231
84	84	85	0.49985
85	85	86	0.49985
86	86	87	0.49985
87	87	88	0.49985
88	88	89	0.49985
89	89	90	0.49985
90	90	91	0.49985
91	91	92	0.49985
92	92	93	0.49985
93	93	94	0.49985
94	94	95	0.49985
95	95	96	0.51075
96	96	97	0.51075
97	97	98	0.51075
98	98	99	0.51075
99	99	100	0.51075
100	100	101	0.51075
101	101	102	0.5039
102	102	103	0.5039
103	103	104	0.5039
104	104	105	0.5039
105	105	106	0.5039
106	106	107	0.5039
107	107	108	0.5039
108	108	109	0.5039
109	109	110	0.5039
110	110	111	0.5039
111	111	112	0.5039
112	112	113	0.5039
113	113	114	0.5039
114	114	1	0.5039

**Table 3: Frame Section Assignments**

**Table 3: Frame Section Assignments**

Frame	AnalSect	DesignSect	MatProp
1	C225	C225	Default
2	C225	C225	Default
3	C225	C225	Default
4	C225	C225	Default

**Table 3: Frame Section Assignments**

Frame	AnalSect	DesignSect	MatProp
5	C225	C225	Default
6	C225	C225	Default
7	C225	C225	Default
8	C225	C225	Default
9	C225	C225	Default
10	C225	C225	Default
11	C225	C225	Default
12	C225	C225	Default
13	C225	C225	Default
14	C225	C225	Default
15	C225	C225	Default
16	C225	C225	Default
17	C246	C246	Default
18	C258	C258	Default
19	C272	C272	Default
20	C290	C290	Default
21	C312	C312	Default
22	C302	C302	Default
23	C274	C274	Default
24	C249	C249	Default
25	C228	C228	Default
26	C209	C209	Default
27	C193	C193	Default
28	C180	C180	Default
29	C170	C170	Default
30	C163	C163	Default
31	C159	C159	Default
32	C157	C157	Default
33	C158	C158	Default
34	C161	C161	Default
35	C167	C167	Default
36	C175	C175	Default
37	C186	C186	Default
38	C200	C200	Default
39	C138	C138	Default
40	C147	C147	Default
41	C122	C122	Default
42	C132	C132	Default
43	C140	C140	Default
44	C149	C149	Default
45	C156	C156	Default
46	C163	C163	Default
47	C170	C170	Default
48	C175	C175	Default
49	C181	C181	Default
50	C185	C185	Default
51	C189	C189	Default
52	C192	C192	Default
53	C195	C195	Default
54	C197	C197	Default
55	C199	C199	Default
56	C200	C200	Default
57	C200	C200	Default
58	C200	C200	Default
59	C200	C200	Default
60	C199	C199	Default
61	C197	C197	Default
62	C195	C195	Default
63	C192	C192	Default

**Table 3: Frame Section Assignments**

Frame	AnalSect	DesignSect	MatProp
64	C189	C189	Default
65	C185	C185	Default
66	C181	C181	Default
67	C175	C175	Default
68	C170	C170	Default
69	C163	C163	Default
70	C156	C156	Default
71	C149	C149	Default
72	C140	C140	Default
73	C132	C132	Default
74	C122	C122	Default
75	C147	C147	Default
76	C138	C138	Default
77	C200	C200	Default
78	C186	C186	Default
79	C175	C175	Default
80	C167	C167	Default
81	C161	C161	Default
82	C158	C158	Default
83	C157	C157	Default
84	C159	C159	Default
85	C163	C163	Default
86	C170	C170	Default
87	C180	C180	Default
88	C193	C193	Default
89	C209	C209	Default
90	C228	C228	Default
91	C249	C249	Default
92	C274	C274	Default
93	C302	C302	Default
94	C312	C312	Default
95	C290	C290	Default
96	C272	C272	Default
97	C258	C258	Default
98	C246	C246	Default
99	C225	C225	Default
100	C225	C225	Default
101	C225	C225	Default
102	C225	C225	Default
103	C225	C225	Default
104	C225	C225	Default
105	C225	C225	Default
106	C225	C225	Default
107	C225	C225	Default
108	C225	C225	Default
109	C225	C225	Default
110	C225	C225	Default
111	C225	C225	Default
112	C225	C225	Default
113	C225	C225	Default
114	C225	C225	Default

## 2. Material properties

This section provides material property information for materials used in the model.

**Table 4: Material Properties 02 - Basic Mechanical Properties**

**Table 4: Material Properties 02 - Basic Mechanical Properties**

Material	UnitWeight KN/m3	UnitMass KN-s2/m4	E1 KN/m2	G12 KN/m2	U12	A1 1/C
4000Psi	2.3563E+01	2.4028E+00	24855578. 06	10356490. 86	0.2	9.9000E-06
A416Gr270	7.6973E+01	7.8490E+00	196500599. .9			1.1700E-05
A615Gr60	7.6973E+01	7.8490E+00	199947978. .8			1.1700E-05
A992Fy50	7.6973E+01	7.8490E+00	199947978. .8	76903068. 77	0.3	1.1700E-05
C32/40	2.4993E+01	2.5485E+00	33346000.	13894166. 67	0.2	1.0000E-05

**Table 5: Material Properties 03a - Steel Data**

**Table 5: Material Properties 03a - Steel Data**

Material	Fy KN/m2	Fu KN/m2	FinalSlope
A992Fy50	344737.89	448159.26	-0.1

**Table 6: Material Properties 03b - Concrete Data**

**Table 6: Material Properties 03b - Concrete Data**

Material	Fc KN/m2	eFc KN/m2	FinalSlope
4000Psi	27579.03	27579.03	-0.1
C32/40	32000.	32000.	-0.1

**Table 7: Material Properties 03e - Rebar Data**

**Table 7: Material Properties 03e - Rebar Data**

Material	Fy KN/m2	Fu KN/m2	FinalSlope
A615Gr60	413685.47	620528.21	-0.1

**Table 8: Material Properties 03f - Tendon Data**

**Table 8: Material Properties 03f - Tendon Data**

Material	Fy KN/m2	Fu KN/m2	FinalSlope
A416Gr270	1689905.16	1861584.63	-0.1

## 3. Section properties

This section provides section property information for objects used in the model.

### 3.1. Frames



**Table 9: Frame Section Properties 01 - General, Part 1 of 4**

Table 9: Frame Section Properties 01 - General, Part 1 of 4

SectionName	Material	Shape	t3 m	t2 m	tf m	tw m	t2b m	tfb m
C122	C32/40	Rectangular	1.22	1.				
C132	C32/40	Rectangular	1.32	1.				
C138	C32/40	Rectangular	1.38	1.				
C140	C32/40	Rectangular	1.4	1.				
C147	C32/40	Rectangular	1.47	1.				
C149	C32/40	Rectangular	1.49	1.				
C156	C32/40	Rectangular	1.56	1.				
C157	C32/40	Rectangular	1.57	1.				
C158	C32/40	Rectangular	1.58	1.				
C159	C32/40	Rectangular	1.59	1.				
C161	C32/40	Rectangular	1.61	1.				
C163	C32/40	Rectangular	1.63	1.				
C167	C32/40	Rectangular	1.67	1.				
C170	C32/40	Rectangular	1.7	1.				
C175	C32/40	Rectangular	1.75	1.				
C180	C32/40	Rectangular	1.8	1.				
C181	C32/40	Rectangular	1.81	1.				
C185	C32/40	Rectangular	1.85	1.				
C186	C32/40	Rectangular	1.86	1.				
C189	C32/40	Rectangular	1.89	1.				
C192	C32/40	Rectangular	1.92	1.				
C193	C32/40	Rectangular	1.93	1.				
C195	C32/40	Rectangular	1.95	1.				
C197	C32/40	Rectangular	1.97	1.				
C199	C32/40	Rectangular	1.99	1.				
C200	C32/40	Rectangular	2.	1.				
C209	C32/40	Rectangular	2.09	1.				
C225	C32/40	Rectangular	2.25	1.				
C228	C32/40	Rectangular	2.28	1.				
C246	C32/40	Rectangular	2.46	1.				
C249	C32/40	Rectangular	2.49	1.				
C258	C32/40	Rectangular	2.58	1.				
C272	C32/40	Rectangular	2.72	1.				
C274	C32/40	Rectangular	2.74	1.				
C290	C32/40	Rectangular	2.9	1.				
C302	C32/40	Rectangular	3.02	1.				
C312	C32/40	Rectangular	3.12	1.				
W18X35	A992Fy50	I/Wide Flange	0.44958	0.1524	0.010795	0.00762	0.1524	0.010795

**Table 9: Frame Section Properties 01 - General, Part 2 of 4**

Table 9: Frame Section Properties 01 - General, Part 2 of 4

SectionName	Area m2	TorsConst m4	I33 m4	I22 m4	I23 m4	AS2 m2	AS3 m2
C122	1.22	0.204566	0.151321	0.101667	0.	1.016667	1.016667
C132	1.32	0.235764	0.191664	0.11	0.	1.1	1.1
C138	1.38	0.254825	0.219006	0.115	0.	1.15	1.15
C140	1.4	0.261222	0.228667	0.116667	0.	1.166667	1.166667
C147	1.47	0.283748	0.26471	0.1225	0.	1.225	1.225
C149	1.49	0.290217	0.275662	0.124167	0.	1.241667	1.241667
C156	1.56	0.312955	0.316368	0.13	0.	1.3	1.3
C157	1.57	0.316214	0.322491	0.130833	0.	1.308333	1.308333
C158	1.58	0.319475	0.328693	0.131667	0.	1.316667	1.316667
C159	1.59	0.322738	0.334973	0.1325	0.	1.325	1.325
C161	1.61	0.329271	0.347773	0.134167	0.	1.341667	1.341667
C163	1.63	0.335812	0.360896	0.135833	0.	1.358333	1.358333

**Table 9: Frame Section Properties 01 - General, Part 2 of 4**

SectionName	Area m2	TorsConst m4	I33 m4	I22 m4	I23 m4	AS2 m2	AS3 m2
C167	1.67	0.348917	0.388122	0.139167	0.	1.391667	1.391667
C170	1.7	0.358762	0.409417	0.141667	0.	1.416667	1.416667
C175	1.75	0.375199	0.446615	0.145833	0.	1.458333	1.458333
C180	1.8	0.391667	0.486	0.15	0.	1.5	1.5
C181	1.81	0.394964	0.494145	0.150833	0.	1.508333	1.508333
C185	1.85	0.408161	0.527635	0.154167	0.	1.541667	1.541667
C186	1.86	0.411462	0.536238	0.155	0.	1.55	1.55
C189	1.89	0.421371	0.562606	0.1575	0.	1.575	1.575
C192	1.92	0.431288	0.589824	0.16	0.	1.6	1.6
C193	1.93	0.434595	0.599088	0.160833	0.	1.608333	1.608333
C195	1.95	0.44121	0.617906	0.1625	0.	1.625	1.625
C197	1.97	0.447829	0.637114	0.164167	0.	1.641667	1.641667
C199	1.99	0.454449	0.656717	0.165833	0.	1.658333	1.658333
C200	2.	0.45776	0.666667	0.166667	0.	1.666667	1.666667
C209	2.09	0.487584	0.760777	0.174167	0.	1.741667	1.741667
C225	2.25	0.540683	0.949219	0.1875	0.	1.875	1.875
C228	2.28	0.550648	0.987696	0.19	0.	1.9	1.9
C246	2.46	0.610478	1.240578	0.205	0.	2.05	2.05
C249	2.49	0.620455	1.286521	0.2075	0.	2.075	2.075
C258	2.58	0.650395	1.431126	0.215	0.	2.15	2.15
C272	2.72	0.696986	1.676971	0.226667	0.	2.266667	2.266667
C274	2.74	0.703644	1.714235	0.228333	0.	2.283333	2.283333
C290	2.9	0.756914	2.032417	0.241667	0.	2.416667	2.416667
C302	3.02	0.796877	2.295301	0.251667	0.	2.516667	2.516667
C312	3.12	0.830185	2.530944	0.26	0.	2.6	2.6
W18X35	0.006645	2.106E-07	0.000212	6.368E-06	0.	0.003426	0.002742

**Table 9: Frame Section Properties 01 - General, Part 3 of 4**

**Table 9: Frame Section Properties 01 - General, Part 3 of 4**

SectionName	S33 m3	S22 m3	Z33 m3	Z22 m3	R33 m	R22 m
C122	0.248067	0.203333	0.3721	0.305	0.352184	0.288675
C132	0.2904	0.22	0.4356	0.33	0.381051	0.288675
C138	0.3174	0.23	0.4761	0.345	0.398372	0.288675
C140	0.326667	0.233333	0.49	0.35	0.404145	0.288675
C147	0.36015	0.245	0.540225	0.3675	0.424352	0.288675
C149	0.370017	0.248333	0.555025	0.3725	0.430126	0.288675
C156	0.4056	0.26	0.6084	0.39	0.450333	0.288675
C157	0.410817	0.261667	0.616225	0.3925	0.45322	0.288675
C158	0.416067	0.263333	0.6241	0.395	0.456107	0.288675
C159	0.42135	0.265	0.632025	0.3975	0.458993	0.288675
C161	0.432017	0.268333	0.648025	0.4025	0.464767	0.288675
C163	0.442817	0.271667	0.664225	0.4075	0.47054	0.288675
C167	0.464817	0.278333	0.697225	0.4175	0.482087	0.288675
C170	0.481667	0.283333	0.7225	0.425	0.490748	0.288675
C175	0.510417	0.291667	0.765625	0.4375	0.505181	0.288675
C180	0.54	0.3	0.81	0.45	0.519615	0.288675
C181	0.546017	0.301667	0.819025	0.4525	0.522502	0.288675
C185	0.570417	0.308333	0.855625	0.4625	0.534049	0.288675
C186	0.5766	0.31	0.8649	0.465	0.536936	0.288675
C189	0.59535	0.315	0.893025	0.4725	0.545596	0.288675
C192	0.6144	0.32	0.9216	0.48	0.554256	0.288675
C193	0.620817	0.321667	0.931225	0.4825	0.557143	0.288675
C195	0.63375	0.325	0.950625	0.4875	0.562917	0.288675
C197	0.646817	0.328333	0.970225	0.4925	0.56869	0.288675
C199	0.660017	0.331667	0.990025	0.4975	0.574464	0.288675
C200	0.666667	0.333333	1.	0.5	0.57735	0.288675

**Table 9: Frame Section Properties 01 - General, Part 3 of 4**

SectionName	S33 m3	S22 m3	Z33 m3	Z22 m3	R33 m	R22 m
C209	0.728017	0.348333	1.092025	0.5225	0.603331	0.288675
C225	0.84375	0.375	1.265625	0.5625	0.649519	0.288675
C228	0.8664	0.38	1.2996	0.57	0.658179	0.288675
C246	1.0086	0.41	1.5129	0.615	0.710141	0.288675
C249	1.03335	0.415	1.550025	0.6225	0.718801	0.288675
C258	1.1094	0.43	1.6641	0.645	0.744782	0.288675
C272	1.233067	0.453333	1.8496	0.68	0.785196	0.288675
C274	1.251267	0.456667	1.8769	0.685	0.79097	0.288675
C290	1.401667	0.483333	2.1025	0.725	0.837158	0.288675
C302	1.520067	0.503333	2.2801	0.755	0.871799	0.288675
C312	1.6224	0.52	2.4336	0.78	0.900666	0.288675
W18X35	0.000944	0.000084	0.00109	0.000132	0.178731	0.030957

**Table 9: Frame Section Properties 01 - General, Part 4 of 4**

**Table 9: Frame Section Properties 01 - General, Part 4 of 4**

SectionName	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod	MMod	WMod
C122	1.	1.	1.	1.	1.	1.	1.	1.
C132	1.	1.	1.	1.	1.	1.	1.	1.
C138	1.	1.	1.	1.	1.	1.	1.	1.
C140	1.	1.	1.	1.	1.	1.	1.	1.
C147	1.	1.	1.	1.	1.	1.	1.	1.
C149	1.	1.	1.	1.	1.	1.	1.	1.
C156	1.	1.	1.	1.	1.	1.	1.	1.
C157	1.	1.	1.	1.	1.	1.	1.	1.
C158	1.	1.	1.	1.	1.	1.	1.	1.
C159	1.	1.	1.	1.	1.	1.	1.	1.
C161	1.	1.	1.	1.	1.	1.	1.	1.
C163	1.	1.	1.	1.	1.	1.	1.	1.
C167	1.	1.	1.	1.	1.	1.	1.	1.
C170	1.	1.	1.	1.	1.	1.	1.	1.
C175	1.	1.	1.	1.	1.	1.	1.	1.
C180	1.	1.	1.	1.	1.	1.	1.	1.
C181	1.	1.	1.	1.	1.	1.	1.	1.
C185	1.	1.	1.	1.	1.	1.	1.	1.
C186	1.	1.	1.	1.	1.	1.	1.	1.
C189	1.	1.	1.	1.	1.	1.	1.	1.
C192	1.	1.	1.	1.	1.	1.	1.	1.
C193	1.	1.	1.	1.	1.	1.	1.	1.
C195	1.	1.	1.	1.	1.	1.	1.	1.
C197	1.	1.	1.	1.	1.	1.	1.	1.
C199	1.	1.	1.	1.	1.	1.	1.	1.
C200	1.	1.	1.	1.	1.	1.	1.	1.
C209	1.	1.	1.	1.	1.	1.	1.	1.
C225	1.	1.	1.	1.	1.	1.	1.	1.
C228	1.	1.	1.	1.	1.	1.	1.	1.
C246	1.	1.	1.	1.	1.	1.	1.	1.
C249	1.	1.	1.	1.	1.	1.	1.	1.
C258	1.	1.	1.	1.	1.	1.	1.	1.
C272	1.	1.	1.	1.	1.	1.	1.	1.
C274	1.	1.	1.	1.	1.	1.	1.	1.
C290	1.	1.	1.	1.	1.	1.	1.	1.
C302	1.	1.	1.	1.	1.	1.	1.	1.
C312	1.	1.	1.	1.	1.	1.	1.	1.
W18X35	1.	1.	1.	1.	1.	1.	1.	1.

**Table 10: Frame Section Properties 02 - Concrete Column, Part 1 of 2**

Table 10: Frame Section Properties 02 - Concrete Column, Part 1 of 2

SectionName	RebarMatL	RebarMatC	ReinfConfig	LatReinf	Cover	NumBars3D ir	NumBars2D ir
					m		
C122	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C132	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C138	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C140	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C147	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C149	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C156	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C157	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C158	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C159	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C161	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C163	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C167	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C170	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C175	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C180	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C181	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C185	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C186	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C189	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C192	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C193	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C195	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C197	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C199	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C200	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C209	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C225	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C228	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C246	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C249	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C258	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C272	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C274	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C290	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C302	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C312	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3

**Table 10: Frame Section Properties 02 - Concrete Column, Part 2 of 2**

Table 10: Frame Section Properties 02 - Concrete Column, Part 2 of 2

SectionName	BarSizeL	BarSizeC	SpacingC	NumCBars2	NumCBars3
			m		
C122	#9	#4	0.15	3	3
C132	#9	#4	0.15	3	3
C138	#9	#4	0.15	3	3
C140	#9	#4	0.15	3	3
C147	#9	#4	0.15	3	3
C149	#9	#4	0.15	3	3
C156	#9	#4	0.15	3	3
C157	#9	#4	0.15	3	3
C158	#9	#4	0.15	3	3
C159	#9	#4	0.15	3	3
C161	#9	#4	0.15	3	3

**Table 10: Frame Section Properties 02 - Concrete Column, Part 2 of 2**

SectionName	BarSizeL	BarSizeC	SpacingC m	NumCBars2	NumCBars3
C163	#9	#4	0.15	3	3
C167	#9	#4	0.15	3	3
C170	#9	#4	0.15	3	3
C175	#9	#4	0.15	3	3
C180	#9	#4	0.15	3	3
C181	#9	#4	0.15	3	3
C185	#9	#4	0.15	3	3
C186	#9	#4	0.15	3	3
C189	#9	#4	0.15	3	3
C192	#9	#4	0.15	3	3
C193	#9	#4	0.15	3	3
C195	#9	#4	0.15	3	3
C197	#9	#4	0.15	3	3
C199	#9	#4	0.15	3	3
C200	#9	#4	0.15	3	3
C209	#9	#4	0.15	3	3
C225	#9	#4	0.15	3	3
C228	#9	#4	0.15	3	3
C246	#9	#4	0.15	3	3
C249	#9	#4	0.15	3	3
C258	#9	#4	0.15	3	3
C272	#9	#4	0.15	3	3
C274	#9	#4	0.15	3	3
C290	#9	#4	0.15	3	3
C302	#9	#4	0.15	3	3
C312	#9	#4	0.15	3	3

## 4. Load patterns

This section provides loading information as applied to the model.

### 4.1. Definitions

**Table 13: Load Pattern Definitions**

Table 13: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad
DEAD	Dead	1.	
Pv(Udreno)	Dead	0.	
Ph_sx(Udreno)	Dead	0.	
Ph_dx(Udreno)	Dead	0.	
Uv_dreno	Dead	0.	
Uh_dx_dreno	Dead	0.	
Uh_sx_dreno	Dead	0.	
Inerzia_cls	Dead	0.	
Perm_inf	Dead	0.	
Pv(Ucalotta)	Dead	0.	
Ph_sx(Ucalotta)	Dead	0.	
Ph_dx(Ucalotta)	Dead	0.	
Uv_calotta_d	Dead	0.	
Uv_calotta_u	Dead	0.	
Uh_dx_calotta	Dead	0.	

**Table 13: Load Pattern Definitions**

LoadPat	DesignType	SelfWtMult	AutoLoad
Uh_sx_calotta	Dead	0.	

## 5. Load cases

This section provides load case information.

### 5.1. Definitions

**Table 14: Load Case Definitions, Part 1 of 2**

**Table 14: Load Case Definitions, Part 1 of 2**

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesActOpt
DEAD	NonStatic	Zero				Prog Det
Pv(Udreno)	LinStatic	Zero				Prog Det
Ph_sx(Udreno)	LinStatic	Zero				Prog Det
Ph_dx(Udreno)	LinStatic	Zero				Prog Det
Uv_dreno	LinStatic	Zero				Prog Det
Uh_dx_dreno	LinStatic	Zero				Prog Det
Uh_sx_dreno	LinStatic	Zero				Prog Det
Inerzia_cls	LinStatic	Zero				Prog Det
Perm_inf	LinStatic	Zero				Prog Det
SLE_dreno	NonStatic	Zero				Prog Det
SLU_dreno	NonStatic	Zero				Prog Det
SLV_dreno	NonStatic	Zero				Prog Det
Pv(Ucalotta)	LinStatic	Zero				Prog Det
Ph_sx(Ucalotta)	LinStatic	Zero				Prog Det
Ph_dx(Ucalotta)	LinStatic	Zero				Prog Det
Uv_calotta_d	LinStatic	Zero				Prog Det
Uh_dx_calotta	LinStatic	Zero				Prog Det
Uh_sx_calotta	LinStatic	Zero				Prog Det
Uv_calotta_u	LinStatic	Zero				Prog Det
SLE_calotta	NonStatic	Zero				Prog Det
SLU_calotta	NonStatic	Zero				Prog Det
SLV_calotta	NonStatic	Zero				Prog Det

**Table 14: Load Case Definitions, Part 2 of 2**

**Table 14: Load Case Definitions, Part 2 of 2**

Case	DesignAct
DEAD	Non-Composite
Pv(Udreno)	Non-Composite
Ph_sx(Udreno)	Non-Composite
Ph_dx(Udreno)	Non-Composite
Uv_dreno	Non-Composite
Uh_dx_dreno	Non-Composite

**Table 14: Load Case Definitions, Part 2 of 2**

Case	DesignAct
Uh_sx_dreno	Non-Composite
Inerzia_cls	Non-Composite
Perm_inf	Non-Composite
SLE_dreno	Non-Composite
SLU_dreno	Non-Composite
SLV_dreno	Non-Composite
Pv(Ucalotta)	Non-Composite
Ph_sx(Ucalotta)	Non-Composite
Ph_dx(Ucalotta)	Non-Composite
Uv_calotta_d	Non-Composite
Uh_dx_calotta	Non-Composite
Uh_sx_calotta	Non-Composite
Uv_calotta_u	Non-Composite
SLE_calotta	Non-Composite
SLU_calotta	Non-Composite
SLV_calotta	Non-Composite

## 5.2. Static case load assignments

**Table 15: Case - Static 1 - Load Assignments**

**Table 15: Case - Static 1 - Load Assignments**

Case	LoadType	LoadName	LoadSF
DEAD	Load pattern	DEAD	1.
Pv(Udreno)	Load pattern	Pv(Udreno)	1.
Ph_sx(Udreno)	Load pattern	Ph_sx(Udreno)	1.
Ph_dx(Udreno)	Load pattern	Ph_dx(Udreno)	1.
Uv_dreno	Load pattern	Uv_dreno	1.
Uh_dx_dreno	Load pattern	Uh_dx_dreno	1.
Uh_sx_dreno	Load pattern	Uh_sx_dreno	1.
Inerzia_cls	Load pattern	Inerzia_cls	1.
Perm_inf	Load pattern	Perm_inf	1.
SLE_dreno	Load pattern	DEAD	1.
SLE_dreno	Load pattern	Ph_dx(Udreno)	1.
SLE_dreno	Load pattern	Ph_sx(Udreno)	1.
SLE_dreno	Load pattern	Pv(Udreno)	1.
SLE_dreno	Load pattern	Uh_dx_dreno	1.
SLE_dreno	Load pattern	Uh_sx_dreno	1.
SLE_dreno	Load pattern	Uv_dreno	1.
SLE_dreno	Load pattern	Perm_inf	1.

**Table 15: Case - Static 1 - Load Assignments**

Case	LoadType	LoadName	LoadSF
SLU_dreno	Load pattern	DEAD	1.3
SLU_dreno	Load pattern	Ph_dx(Udreno)	1.3
SLU_dreno	Load pattern	Ph_sx(Udreno)	1.3
SLU_dreno	Load pattern	Pv(Udreno)	1.3
SLU_dreno	Load pattern	Uh_dx_dreno	1.3
SLU_dreno	Load pattern	Uh_sx_dreno	1.3
SLU_dreno	Load pattern	Uv_dreno	1.3
SLU_dreno	Load pattern	Perm_inf	1.3
SLV_dreno	Load pattern	DEAD	1.125
SLV_dreno	Load pattern	Ph_dx(Udreno)	0.84
SLV_dreno	Load pattern	Ph_sx(Udreno)	1.41
SLV_dreno	Load pattern	Pv(Udreno)	1.125
SLV_dreno	Load pattern	Uh_dx_dreno	0.84
SLV_dreno	Load pattern	Uh_sx_dreno	1.41
SLV_dreno	Load pattern	Uv_dreno	1.125
SLV_dreno	Load pattern	Perm_inf	1.125
Pv(Ucalotta)	Load pattern	Pv(Ucalotta)	1.
Ph_sx(Ucalotta)	Load pattern	Ph_sx(Ucalotta)	1.
Ph_dx(Ucalotta)	Load pattern	Ph_dx(Ucalotta)	1.
Uv_calotta_d	Load pattern	Uv_calotta_d	1.
Uh_dx_calotta	Load pattern	Uh_dx_calotta	1.
Uh_sx_calotta	Load pattern	Uh_sx_calotta	1.
Uv_calotta_u	Load pattern	Uv_calotta_u	1.
SLE_calotta	Load pattern	DEAD	1.
SLE_calotta	Load pattern	Ph_dx(Ucalotta)	1.
SLE_calotta	Load pattern	Ph_sx(Ucalotta)	1.
SLE_calotta	Load pattern	Pv(Ucalotta)	1.
SLE_calotta	Load pattern	Uh_dx_calotta	1.
SLE_calotta	Load pattern	Uh_sx_calotta	1.
SLE_calotta	Load pattern	Uv_calotta_d	1.
SLE_calotta	Load pattern	Perm_inf	1.
SLE_calotta	Load pattern	Uv_calotta_u	1.
SLU_calotta	Load pattern	DEAD	1.3
SLU_calotta	Load pattern	Ph_dx(Ucalotta)	1.3
SLU_calotta	Load pattern	Ph_sx(Ucalotta)	1.3
SLU_calotta	Load pattern	Pv(Ucalotta)	1.3
SLU_calotta	Load pattern	Uh_dx_calotta	1.3
SLU_calotta	Load pattern	Uh_sx_calotta	1.3
SLU_calotta	Load pattern	Uv_calotta_d	1.3
SLU_calotta	Load pattern	Perm_inf	1.3
SLU_calotta	Load pattern	Uv_calotta_u	1.3
SLV_calotta	Load pattern	DEAD	1.125
SLV_calotta	Load pattern	Ph_dx(Ucalotta)	0.84
SLV_calotta	Load pattern	Ph_sx(Ucalotta)	1.41
SLV_calotta	Load pattern	Pv(Ucalotta)	1.125
SLV_calotta	Load pattern	Uh_dx_calotta	0.84
SLV_calotta	Load pattern	Uh_sx_calotta	1.41
SLV_calotta	Load pattern	Uv_calotta_d	-1.125
SLV_calotta	Load pattern	Perm_inf	1.125
SLV_calotta	Load pattern	Uv_calotta_u	1.125

### 5.3. Response spectrum case load assignments



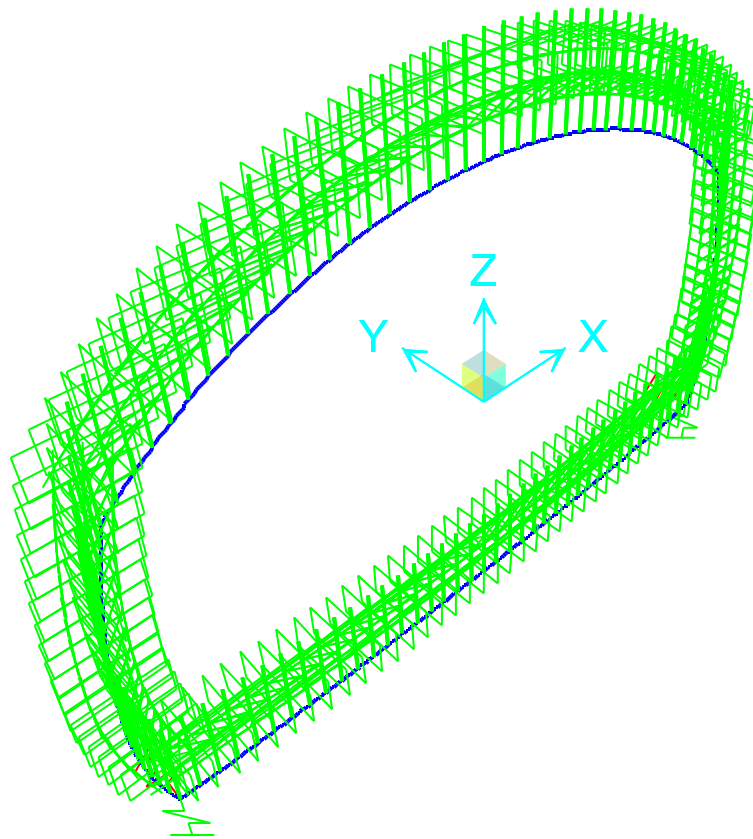
**Table 16: Function - Response Spectrum - User**

Table 16: Function - Response Spectrum - User

Name	Period Sec	Accel	FuncDamp
UNIFRS	0.	1.	0.05
UNIFRS	1.	1.	

## 6. Structure results

This section provides structure results, including items such as structural periods and base reactions.



**Figure 2: Deformed shape**

### 6.1. Mass summary

**Table 17: Assembled Joint Masses, Part 1 of 2**

Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX m
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	
1	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	5.982E-09
2	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	0.50381
3	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	1.00692
4	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	1.50861
5	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	2.0082
6	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	2.50498
7	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	2.99826

Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX m
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	
8	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	3.48734
9	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	3.97155
10	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	4.45021
11	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	4.92264
12	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	5.38818
13	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	5.8462
14	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	6.29603
15	MSSSRC1	2.91	2.91	2.91	0.	0.	0.	6.73707
16	MSSSRC1	2.93	2.93	2.93	0.	0.	0.	7.16923
17	MSSSRC1	3.07	3.07	3.07	0.	0.	0.	7.59041
18	MSSSRC1	3.28	3.28	3.28	0.	0.	0.	7.99997
19	MSSSRC1	3.45	3.45	3.45	0.	0.	0.	8.39726
20	MSSSRC1	3.66	3.66	3.66	0.	0.	0.	8.78169
21	MSSSRC1	3.87	3.87	3.87	0.	0.	0.	9.15267
22	MSSSRC1	3.91	3.91	3.91	0.	0.	0.	9.26667
23	MSSSRC1	3.67	3.67	3.67	0.	0.	0.	9.36998
24	MSSSRC1	3.33	3.33	3.33	0.	0.	0.	9.46256
25	MSSSRC1	3.04	3.04	3.04	0.	0.	0.	9.54434
26	MSSSRC1	2.78	2.78	2.78	0.	0.	0.	9.6153
27	MSSSRC1	2.56	2.56	2.56	0.	0.	0.	9.67541
28	MSSSRC1	2.38	2.38	2.38	0.	0.	0.	9.72462
29	MSSSRC1	2.23	2.23	2.23	0.	0.	0.	9.76292
30	MSSSRC1	2.12	2.12	2.12	0.	0.	0.	9.79029
31	MSSSRC1	2.05	2.05	2.05	0.	0.	0.	9.80672
32	MSSSRC1	1.88	1.88	1.88	0.	0.	0.	9.8122
33	MSSSRC1	1.74	1.74	1.74	0.	0.	0.	9.80293
34	MSSSRC1	1.76	1.76	1.76	0.	0.	0.	9.77514
35	MSSSRC1	1.81	1.81	1.81	0.	0.	0.	9.72888
36	MSSSRC1	1.98	1.98	1.98	0.	0.	0.	9.66424
37	MSSSRC1	2.18	2.18	2.18	0.	0.	0.	9.57248
38	MSSSRC1	2.33	2.33	2.33	0.	0.	0.	9.45901
39	MSSSRC1	2.07	2.07	2.07	0.	0.	0.	9.32408
40	MSSSRC1	1.79	1.79	1.79	0.	0.	0.	8.83698
41	MSSSRC1	1.69	1.69	1.69	0.	0.	0.	8.34929
42	MSSSRC1	1.59	1.59	1.59	0.	0.	0.	7.86104
43	MSSSRC1	1.71	1.71	1.71	0.	0.	0.	7.37227
44	MSSSRC1	1.81	1.81	1.81	0.	0.	0.	6.88301
45	MSSSRC1	1.91	1.91	1.91	0.	0.	0.	6.39328
46	MSSSRC1	2.	2.	2.	0.	0.	0.	5.90314
47	MSSSRC1	2.09	2.09	2.09	0.	0.	0.	5.41259
48	MSSSRC1	2.17	2.17	2.17	0.	0.	0.	4.92169
49	MSSSRC1	2.24	2.24	2.24	0.	0.	0.	4.43046
50	MSSSRC1	2.3	2.3	2.3	0.	0.	0.	3.93893
51	MSSSRC1	2.35	2.35	2.35	0.	0.	0.	3.44714
52	MSSSRC1	2.39	2.39	2.39	0.	0.	0.	2.95512
53	MSSSRC1	2.43	2.43	2.43	0.	0.	0.	2.4629
54	MSSSRC1	2.46	2.46	2.46	0.	0.	0.	1.97052
55	MSSSRC1	2.49	2.49	2.49	0.	0.	0.	1.478
56	MSSSRC1	2.51	2.51	2.51	0.	0.	0.	0.98539
57	MSSSRC1	2.51	2.51	2.51	0.	0.	0.	0.49271
58	MSSSRC1	2.51	2.51	2.51	0.	0.	0.	6.185E-09
59	MSSSRC1	2.51	2.51	2.51	0.	0.	0.	-0.49271
60	MSSSRC1	2.51	2.51	2.51	0.	0.	0.	-0.98539
61	MSSSRC1	2.49	2.49	2.49	0.	0.	0.	-1.478
62	MSSSRC1	2.46	2.46	2.46	0.	0.	0.	-1.97052
63	MSSSRC1	2.43	2.43	2.43	0.	0.	0.	-2.4629
64	MSSSRC1	2.39	2.39	2.39	0.	0.	0.	-2.95512
65	MSSSRC1	2.35	2.35	2.35	0.	0.	0.	-3.44714
66	MSSSRC1	2.3	2.3	2.3	0.	0.	0.	-3.93893

Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX m
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	
67	MSSSRC1	2.24	2.24	2.24	0.	0.	0.	-4.43046
68	MSSSRC1	2.17	2.17	2.17	0.	0.	0.	-4.92169
69	MSSSRC1	2.09	2.09	2.09	0.	0.	0.	-5.41259
70	MSSSRC1	2.	2.	2.	0.	0.	0.	-5.90314
71	MSSSRC1	1.91	1.91	1.91	0.	0.	0.	-6.39328
72	MSSSRC1	1.81	1.81	1.81	0.	0.	0.	-6.88301
73	MSSSRC1	1.71	1.71	1.71	0.	0.	0.	-7.37227
74	MSSSRC1	1.59	1.59	1.59	0.	0.	0.	-7.86104
75	MSSSRC1	1.69	1.69	1.69	0.	0.	0.	-8.34929
76	MSSSRC1	1.79	1.79	1.79	0.	0.	0.	-8.83698
77	MSSSRC1	2.07	2.07	2.07	0.	0.	0.	-9.32408
78	MSSSRC1	2.33	2.33	2.33	0.	0.	0.	-9.45901
79	MSSSRC1	2.18	2.18	2.18	0.	0.	0.	-9.57248
80	MSSSRC1	1.98	1.98	1.98	0.	0.	0.	-9.66424
81	MSSSRC1	1.81	1.81	1.81	0.	0.	0.	-9.72888
82	MSSSRC1	1.76	1.76	1.76	0.	0.	0.	-9.77514
83	MSSSRC1	1.74	1.74	1.74	0.	0.	0.	-9.80293
84	MSSSRC1	1.88	1.88	1.88	0.	0.	0.	-9.8122
85	MSSSRC1	2.05	2.05	2.05	0.	0.	0.	-9.80672
86	MSSSRC1	2.12	2.12	2.12	0.	0.	0.	-9.79029
87	MSSSRC1	2.23	2.23	2.23	0.	0.	0.	-9.76292
88	MSSSRC1	2.38	2.38	2.38	0.	0.	0.	-9.72462
89	MSSSRC1	2.56	2.56	2.56	0.	0.	0.	-9.67541
90	MSSSRC1	2.78	2.78	2.78	0.	0.	0.	-9.6153
91	MSSSRC1	3.04	3.04	3.04	0.	0.	0.	-9.54434
92	MSSSRC1	3.33	3.33	3.33	0.	0.	0.	-9.46256
93	MSSSRC1	3.67	3.67	3.67	0.	0.	0.	-9.36998
94	MSSSRC1	3.91	3.91	3.91	0.	0.	0.	-9.26667
95	MSSSRC1	3.87	3.87	3.87	0.	0.	0.	-9.15267
96	MSSSRC1	3.66	3.66	3.66	0.	0.	0.	-8.78169
97	MSSSRC1	3.45	3.45	3.45	0.	0.	0.	-8.39726
98	MSSSRC1	3.28	3.28	3.28	0.	0.	0.	-7.99997
99	MSSSRC1	3.07	3.07	3.07	0.	0.	0.	-7.59041
100	MSSSRC1	2.93	2.93	2.93	0.	0.	0.	-7.16923
101	MSSSRC1	2.91	2.91	2.91	0.	0.	0.	-6.73707
102	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-6.29603
103	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-5.8462
104	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-5.38818
105	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-4.92264
106	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-4.45021
107	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-3.97155
108	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-3.48734
109	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-2.99826
110	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-2.50498
111	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-2.0082
112	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-1.50861
113	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-1.00692
114	MSSSRC1	2.89	2.89	2.89	0.	0.	0.	-0.50381
21~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.15267
22~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.26667
23~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.36998
24~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.46256
25~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.54434
26~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.6153
27~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.67541
28~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.72462
29~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.76292
30~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.79029
31~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.80672

Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX m
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	
32~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.8122
33~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.80293
34~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.77514
35~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.72888
36~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.66424
37~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.57248
38~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.45901
39~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	9.32408
77~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.32408
78~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.45901
79~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.57248
80~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.66424
81~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.72888
82~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.77514
83~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.80293
84~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.8122
85~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.80672
86~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.79029
87~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.76292
88~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.72462
89~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.67541
90~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.6153
91~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.54434
92~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.46256
93~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.36998
94~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.26667
95~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-9.15267
1~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.982E-09
2~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.50381
3~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.00692
4~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.50861
5~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.0082
6~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.50498
7~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.99826
8~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.48734
9~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.97155
10~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.45021
11~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.92264
12~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.38818
13~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.8462
14~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.29603
15~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.73707
16~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	7.16923
17~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	7.59041
18~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	7.99997
19~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	8.39726
20~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	8.78169
96~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-8.78169
97~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-8.39726
98~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-7.99997
99~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-7.59041
100~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-7.16923
101~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.73707
102~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.29603
103~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.8462
104~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.38818
105~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.92264
106~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.45021
107~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.97155

**Table 17: Assembled Joint Masses, Part 1 of 2**

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX m
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	
108~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.48734
109~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.99826
110~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.50498
111~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.0082
112~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.50861
113~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.00692
114~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-0.50381
40~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	8.83698
41~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	8.34929
42~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	7.86104
43~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	7.37227
44~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.88301
45~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.39328
46~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.90314
47~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.41259
48~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.92169
49~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.43046
50~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.93893
51~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.44714
52~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.95512
53~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.4629
54~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.97052
55~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.478
56~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.98539
57~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.49271
58~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.185E-09
59~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-0.49271
60~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-0.98539
61~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.478
62~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.97052
63~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.4629
64~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.95512
65~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.44714
66~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.93893
67~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.43046
68~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.92169
69~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.41259
70~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.90314
71~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.39328
72~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.88301
73~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-7.37227
74~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-7.86104
75~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-8.34929
76~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-8.83698
SumAccelUX	MSSSRC1	291.34	0.	0.	0.	0.	0.	6.188E-09
SumAccelUY	MSSSRC1	0.	291.34	0.	0.	0.	0.	6.188E-09
SumAccelUZ	MSSSRC1	0.	0.	291.34	0.	0.	0.	6.188E-09

**Table 17: Assembled Joint Masses, Part 2 of 2**

**Table 17: Assembled Joint Masses, Part 2 of 2**

Joint	MassSource	CenterY m	CenterZ m
1	MSSSRC1	0.	9.12506
2	MSSSRC1	0.	9.11563
3	MSSSRC1	0.	9.08738
4	MSSSRC1	0.	9.04034
5	MSSSRC1	0.	8.97457

**Table 17: Assembled Joint Masses, Part 2 of 2**

Joint	MassSource	CenterY m	CenterZ m
6	MSSSRC1	0.	8.89017
7	MSSSRC1	0.	8.78726
8	MSSSRC1	0.	8.66597
9	MSSSRC1	0.	8.52648
10	MSSSRC1	0.	8.36899
11	MSSSRC1	0.	8.19371
12	MSSSRC1	0.	8.00089
13	MSSSRC1	0.	7.7908
14	MSSSRC1	0.	7.56373
15	MSSSRC1	0.	7.32
16	MSSSRC1	0.	7.04778
17	MSSSRC1	0.	6.75886
18	MSSSRC1	0.	6.45368
19	MSSSRC1	0.	6.1327
20	MSSSRC1	0.	5.79642
21	MSSSRC1	0.	5.44535
22	MSSSRC1	0.	4.95868
23	MSSSRC1	0.	4.46962
24	MSSSRC1	0.	3.97842
25	MSSSRC1	0.	3.48531
26	MSSSRC1	0.	2.99052
27	MSSSRC1	0.	2.4943
28	MSSSRC1	0.	1.99688
29	MSSSRC1	0.	1.4985
30	MSSSRC1	0.	0.9994
31	MSSSRC1	0.	0.49982
32	MSSSRC1	0.	9.025E-10
33	MSSSRC1	0.	-0.43221
34	MSSSRC1	0.	-0.86363
35	MSSSRC1	0.	-1.29347
36	MSSSRC1	0.	-1.72092
37	MSSSRC1	0.	-2.18546
38	MSSSRC1	0.	-2.64518
39	MSSSRC1	0.	-3.09906
40	MSSSRC1	0.	-3.17324
41	MSSSRC1	0.	-3.24343
42	MSSSRC1	0.	-3.30964
43	MSSSRC1	0.	-3.37185
44	MSSSRC1	0.	-3.43007
45	MSSSRC1	0.	-3.4843
46	MSSSRC1	0.	-3.53452
47	MSSSRC1	0.	-3.58073
48	MSSSRC1	0.	-3.62294
49	MSSSRC1	0.	-3.66114
50	MSSSRC1	0.	-3.69532
51	MSSSRC1	0.	-3.72549
52	MSSSRC1	0.	-3.75163
53	MSSSRC1	0.	-3.77376
54	MSSSRC1	0.	-3.79187
55	MSSSRC1	0.	-3.80595
56	MSSSRC1	0.	-3.81602
57	MSSSRC1	0.	-3.82205
58	MSSSRC1	0.	-3.82406
59	MSSSRC1	0.	-3.82205
60	MSSSRC1	0.	-3.81602
61	MSSSRC1	0.	-3.80595
62	MSSSRC1	0.	-3.79187
63	MSSSRC1	0.	-3.77376
64	MSSSRC1	0.	-3.75163

**Table 17: Assembled Joint Masses, Part 2 of 2**

Joint	MassSource	CenterY m	CenterZ m
65	MSSSRC1	0.	-3.72549
66	MSSSRC1	0.	-3.69532
67	MSSSRC1	0.	-3.66114
68	MSSSRC1	0.	-3.62294
69	MSSSRC1	0.	-3.58073
70	MSSSRC1	0.	-3.53452
71	MSSSRC1	0.	-3.4843
72	MSSSRC1	0.	-3.43007
73	MSSSRC1	0.	-3.37185
74	MSSSRC1	0.	-3.30964
75	MSSSRC1	0.	-3.24343
76	MSSSRC1	0.	-3.17324
77	MSSSRC1	0.	-3.09906
78	MSSSRC1	0.	-2.64518
79	MSSSRC1	0.	-2.18546
80	MSSSRC1	0.	-1.72092
81	MSSSRC1	0.	-1.29347
82	MSSSRC1	0.	-0.86363
83	MSSSRC1	0.	-0.43221
84	MSSSRC1	0.	9.025E-10
85	MSSSRC1	0.	0.49982
86	MSSSRC1	0.	0.9994
87	MSSSRC1	0.	1.4985
88	MSSSRC1	0.	1.99688
89	MSSSRC1	0.	2.4943
90	MSSSRC1	0.	2.99052
91	MSSSRC1	0.	3.48531
92	MSSSRC1	0.	3.97842
93	MSSSRC1	0.	4.46962
94	MSSSRC1	0.	4.95868
95	MSSSRC1	0.	5.44535
96	MSSSRC1	0.	5.79642
97	MSSSRC1	0.	6.1327
98	MSSSRC1	0.	6.45368
99	MSSSRC1	0.	6.75886
100	MSSSRC1	0.	7.04778
101	MSSSRC1	0.	7.32
102	MSSSRC1	0.	7.56373
103	MSSSRC1	0.	7.7908
104	MSSSRC1	0.	8.00089
105	MSSSRC1	0.	8.19371
106	MSSSRC1	0.	8.36899
107	MSSSRC1	0.	8.52648
108	MSSSRC1	0.	8.66597
109	MSSSRC1	0.	8.78726
110	MSSSRC1	0.	8.89017
111	MSSSRC1	0.	8.97457
112	MSSSRC1	0.	9.04034
113	MSSSRC1	0.	9.08738
114	MSSSRC1	0.	9.11563
21~Link	MSSSRC1	0.	5.44535
22~Link	MSSSRC1	0.	4.95868
23~Link	MSSSRC1	0.	4.46962
24~Link	MSSSRC1	0.	3.97842
25~Link	MSSSRC1	0.	3.48531
26~Link	MSSSRC1	0.	2.99052
27~Link	MSSSRC1	0.	2.4943
28~Link	MSSSRC1	0.	1.99688
29~Link	MSSSRC1	0.	1.4985

**Table 17: Assembled Joint Masses, Part 2 of 2**

Joint	MassSource	CenterY m	CenterZ m
30~Link	MSSSRC1	0.	0.9994
31~Link	MSSSRC1	0.	0.49982
32~Link	MSSSRC1	0.	9.025E-10
33~Link	MSSSRC1	0.	-0.43221
34~Link	MSSSRC1	0.	-0.86363
35~Link	MSSSRC1	0.	-1.29347
36~Link	MSSSRC1	0.	-1.72092
37~Link	MSSSRC1	0.	-2.18546
38~Link	MSSSRC1	0.	-2.64518
39~Link	MSSSRC1	0.	-3.09906
77~Link	MSSSRC1	0.	-3.09906
78~Link	MSSSRC1	0.	-2.64518
79~Link	MSSSRC1	0.	-2.18546
80~Link	MSSSRC1	0.	-1.72092
81~Link	MSSSRC1	0.	-1.29347
82~Link	MSSSRC1	0.	-0.86363
83~Link	MSSSRC1	0.	-0.43221
84~Link	MSSSRC1	0.	9.025E-10
85~Link	MSSSRC1	0.	0.49982
86~Link	MSSSRC1	0.	0.9994
87~Link	MSSSRC1	0.	1.4985
88~Link	MSSSRC1	0.	1.99688
89~Link	MSSSRC1	0.	2.4943
90~Link	MSSSRC1	0.	2.99052
91~Link	MSSSRC1	0.	3.48531
92~Link	MSSSRC1	0.	3.97842
93~Link	MSSSRC1	0.	4.46962
94~Link	MSSSRC1	0.	4.95868
95~Link	MSSSRC1	0.	5.44535
1~Link	MSSSRC1	0.	9.12506
2~Link	MSSSRC1	0.	9.11563
3~Link	MSSSRC1	0.	9.08738
4~Link	MSSSRC1	0.	9.04034
5~Link	MSSSRC1	0.	8.97457
6~Link	MSSSRC1	0.	8.89017
7~Link	MSSSRC1	0.	8.78726
8~Link	MSSSRC1	0.	8.66597
9~Link	MSSSRC1	0.	8.52648
10~Link	MSSSRC1	0.	8.36899
11~Link	MSSSRC1	0.	8.19371
12~Link	MSSSRC1	0.	8.00089
13~Link	MSSSRC1	0.	7.7908
14~Link	MSSSRC1	0.	7.56373
15~Link	MSSSRC1	0.	7.32
16~Link	MSSSRC1	0.	7.04778
17~Link	MSSSRC1	0.	6.75886
18~Link	MSSSRC1	0.	6.45368
19~Link	MSSSRC1	0.	6.1327
20~Link	MSSSRC1	0.	5.79642
96~Link	MSSSRC1	0.	5.79642
97~Link	MSSSRC1	0.	6.1327
98~Link	MSSSRC1	0.	6.45368
99~Link	MSSSRC1	0.	6.75886
100~Link	MSSSRC1	0.	7.04778
101~Link	MSSSRC1	0.	7.32
102~Link	MSSSRC1	0.	7.56373
103~Link	MSSSRC1	0.	7.7908
104~Link	MSSSRC1	0.	8.00089
105~Link	MSSSRC1	0.	8.19371



**Table 17: Assembled Joint Masses, Part 2 of 2**

Joint	MassSource	CenterY m	CenterZ m
106~Link	MSSSRC1	0.	8.36899
107~Link	MSSSRC1	0.	8.52648
108~Link	MSSSRC1	0.	8.66597
109~Link	MSSSRC1	0.	8.78726
110~Link	MSSSRC1	0.	8.89017
111~Link	MSSSRC1	0.	8.97457
112~Link	MSSSRC1	0.	9.04034
113~Link	MSSSRC1	0.	9.08738
114~Link	MSSSRC1	0.	9.11563
40~Link	MSSSRC1	0.	-3.17324
41~Link	MSSSRC1	0.	-3.24343
42~Link	MSSSRC1	0.	-3.30964
43~Link	MSSSRC1	0.	-3.37185
44~Link	MSSSRC1	0.	-3.43007
45~Link	MSSSRC1	0.	-3.4843
46~Link	MSSSRC1	0.	-3.53452
47~Link	MSSSRC1	0.	-3.58073
48~Link	MSSSRC1	0.	-3.62294
49~Link	MSSSRC1	0.	-3.66114
50~Link	MSSSRC1	0.	-3.69532
51~Link	MSSSRC1	0.	-3.72549
52~Link	MSSSRC1	0.	-3.75163
53~Link	MSSSRC1	0.	-3.77376
54~Link	MSSSRC1	0.	-3.79187
55~Link	MSSSRC1	0.	-3.80595
56~Link	MSSSRC1	0.	-3.81602
57~Link	MSSSRC1	0.	-3.82205
58~Link	MSSSRC1	0.	-3.82406
59~Link	MSSSRC1	0.	-3.82205
60~Link	MSSSRC1	0.	-3.81602
61~Link	MSSSRC1	0.	-3.80595
62~Link	MSSSRC1	0.	-3.79187
63~Link	MSSSRC1	0.	-3.77376
64~Link	MSSSRC1	0.	-3.75163
65~Link	MSSSRC1	0.	-3.72549
66~Link	MSSSRC1	0.	-3.69532
67~Link	MSSSRC1	0.	-3.66114
68~Link	MSSSRC1	0.	-3.62294
69~Link	MSSSRC1	0.	-3.58073
70~Link	MSSSRC1	0.	-3.53452
71~Link	MSSSRC1	0.	-3.4843
72~Link	MSSSRC1	0.	-3.43007
73~Link	MSSSRC1	0.	-3.37185
74~Link	MSSSRC1	0.	-3.30964
75~Link	MSSSRC1	0.	-3.24343
76~Link	MSSSRC1	0.	-3.17324
SumAccelUX	MSSSRC1	0.	2.72952
SumAccelUY	MSSSRC1	0.	2.72952
SumAccelUZ	MSSSRC1	0.	2.72952

## 6.2. Base reactions

**Table 18: Base Reactions**

Table 18: Base Reactions							
OutputCase	StepType	GlobalFX KN	GlobalFY KN	GlobalFZ KN	GlobalMX KN-m	GlobalMY KN-m	GlobalMZ KN-m
SLE_dreno	Max	8.103E-04	-4.268E-13	4415.767	-1.493E-12	7.127E-04	9.489E-19
SLE_dreno	Min	8.103E-04	-4.268E-13	4415.767	-1.493E-12	7.127E-04	9.489E-19
SLU_dreno	Max	-2.554E-12	-5.549E-13	5740.848	-1.941E-12	-3.542E-05	0.
SLU_dreno	Min	-2.554E-12	-5.549E-13	5740.848	-1.941E-12	-3.542E-05	0.
SLV_dreno	Max	-666.129	-4.998E-13	4967.962	-1.709E-12	-949.6194	-4.808E-13
SLV_dreno	Min	-666.129	-4.998E-13	4967.962	-1.709E-12	-949.6194	-4.808E-13
SLE_calotta	Max	-5.093E-05	-1.918E-13	2005.756	-6.668E-13	4.877E-04	-2.492E-20
SLE_calotta	Min	-5.093E-05	-1.918E-13	2005.756	-6.668E-13	4.877E-04	-2.492E-20
SLU_calotta	Max	-6.011E-10	-2.494E-13	2607.483	-8.668E-13	-1.653E-05	0.
SLU_calotta	Min	-6.011E-10	-2.494E-13	2607.483	-8.668E-13	-1.653E-05	0.
SLV_calotta	Max	-880.564	-7.871E-13	7835.378	-2.710E-12	-972.7728	-6.506E-13
SLV_calotta	Min	-880.564	-7.871E-13	7835.378	-2.710E-12	-972.7728	-6.506E-13

## 7. Joint results

This section provides joint results, including items such as displacements and reactions.

**Table 19: Joint Displacements, Part 1 of 2**

Table 19: Joint Displacements, Part 1 of 2							
Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
1	SLE_dreno	Max	-3.542E-08	7.794E-06	-0.056314	2.427E-07	7.017E-11
1	SLE_dreno	Min	-3.542E-08	7.794E-06	-0.056314	2.427E-07	7.017E-11
1	SLU_dreno	Max	-1.652E-13	0.000081	-0.073214	2.523E-06	-1.983E-14
1	SLU_dreno	Min	-1.652E-13	0.000081	-0.073214	2.523E-06	-1.983E-14
1	SLV_dreno	Max	0.02678	0.00001	-0.063096	1.203E-07	-0.00009
1	SLV_dreno	Min	0.02678	0.00001	-0.063096	1.203E-07	-0.00009
1	SLE_calotta	Max	5.349E-10	3.473E-06	-0.027677	1.112E-07	-1.634E-10
1	SLE_calotta	Min	5.349E-10	3.473E-06	-0.027677	1.112E-07	-1.634E-10
1	SLU_calotta	Max	9.116E-13	4.515E-06	-0.03598	1.446E-07	1.204E-13
1	SLU_calotta	Min	9.116E-13	4.515E-06	-0.03598	1.446E-07	1.204E-13
1	SLV_calotta	Max	0.036165	0.000016	-0.094153	2.207E-07	-0.000203
1	SLV_calotta	Min	0.036165	0.000016	-0.094153	2.207E-07	-0.000203
2	SLE_dreno	Max	-3.586E-06	7.422E-06	-0.056307	2.427E-07	-0.000027
2	SLE_dreno	Min	-3.586E-06	7.422E-06	-0.056307	2.427E-07	-0.000027
2	SLU_dreno	Max	-4.616E-06	0.000077	-0.073204	2.523E-06	-0.000034
2	SLU_dreno	Min	-4.616E-06	0.000077	-0.073204	2.523E-06	-0.000034
2	SLV_dreno	Max	0.026776	9.908E-06	-0.063043	1.203E-07	-0.000116
2	SLV_dreno	Min	0.026776	9.908E-06	-0.063043	1.203E-07	-0.000116
2	SLE_calotta	Max	-4.054E-06	3.307E-06	-0.027672	1.112E-07	-0.000021
2	SLE_calotta	Min	-4.054E-06	3.307E-06	-0.027672	1.112E-07	-0.000021
2	SLU_calotta	Max	-5.271E-06	4.299E-06	-0.035973	1.446E-07	-0.000027
2	SLU_calotta	Min	-5.271E-06	4.299E-06	-0.035973	1.446E-07	-0.000027
2	SLV_calotta	Max	0.036161	0.000015	-0.094047	2.207E-07	-0.000214
2	SLV_calotta	Min	0.036161	0.000015	-0.094047	2.207E-07	-0.000214
3	SLE_dreno	Max	-6.109E-06	7.055E-06	-0.056286	2.427E-07	-0.000053
3	SLE_dreno	Min	-6.109E-06	7.055E-06	-0.056286	2.427E-07	-0.000053
3	SLU_dreno	Max	-7.897E-06	0.000073	-0.073177	2.523E-06	-0.000069
3	SLU_dreno	Min	-7.897E-06	0.000073	-0.073177	2.523E-06	-0.000069
3	SLV_dreno	Max	0.026775	9.470E-06	-0.062977	1.203E-07	-0.000142
3	SLV_dreno	Min	0.026775	9.470E-06	-0.062977	1.203E-07	-0.000142
3	SLE_calotta	Max	-7.301E-06	3.143E-06	-0.027655	1.112E-07	-0.000042
3	SLE_calotta	Min	-7.301E-06	3.143E-06	-0.027655	1.112E-07	-0.000042

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
3	SLU_calotta	Max	-9.492E-06	4.086E-06	-0.035951	1.446E-07	-0.000054
3	SLU_calotta	Min	-9.492E-06	4.086E-06	-0.035951	1.446E-07	-0.000054
3	SLV_calotta	Max	0.036161	0.000015	-0.093935	2.207E-07	-0.000225
3	SLV_calotta	Min	0.036161	0.000015	-0.093935	2.207E-07	-0.000225
4	SLE_dreno	Max	-6.597E-06	6.694E-06	-0.056252	2.427E-07	-0.000079
4	SLE_dreno	Min	-6.597E-06	6.694E-06	-0.056252	2.427E-07	-0.000079
4	SLU_dreno	Max	-8.531E-06	0.00007	-0.073132	2.523E-06	-0.000102
4	SLU_dreno	Min	-8.531E-06	0.00007	-0.073132	2.523E-06	-0.000102
4	SLV_dreno	Max	0.026777	9.037E-06	-0.062897	1.203E-07	-0.000166
4	SLV_dreno	Min	0.026777	9.037E-06	-0.062897	1.203E-07	-0.000166
4	SLE_calotta	Max	-8.947E-06	2.981E-06	-0.027628	1.112E-07	-0.000062
4	SLE_calotta	Min	-8.947E-06	2.981E-06	-0.027628	1.112E-07	-0.000062
4	SLU_calotta	Max	-0.000012	3.876E-06	-0.035916	1.446E-07	-0.00008
4	SLU_calotta	Min	-0.000012	3.876E-06	-0.035916	1.446E-07	-0.00008
4	SLV_calotta	Max	0.036165	0.000014	-0.093817	2.207E-07	-0.000235
4	SLV_calotta	Min	0.036165	0.000014	-0.093817	2.207E-07	-0.000235
5	SLE_dreno	Max	-4.086E-06	6.339E-06	-0.056203	2.427E-07	-0.000104
5	SLE_dreno	Min	-4.086E-06	6.339E-06	-0.056203	2.427E-07	-0.000104
5	SLU_dreno	Max	-5.266E-06	0.000066	-0.073069	2.523E-06	-0.000135
5	SLU_dreno	Min	-5.266E-06	0.000066	-0.073069	2.523E-06	-0.000135
5	SLV_dreno	Max	0.026784	8.607E-06	-0.062805	1.203E-07	-0.00019
5	SLV_dreno	Min	0.026784	8.607E-06	-0.062805	1.203E-07	-0.00019
5	SLE_calotta	Max	-8.234E-06	2.823E-06	-0.02759	1.112E-07	-0.000082
5	SLE_calotta	Min	-8.234E-06	2.823E-06	-0.02759	1.112E-07	-0.000082
5	SLU_calotta	Max	-0.000011	3.670E-06	-0.035866	1.446E-07	-0.000106
5	SLU_calotta	Min	-0.000011	3.670E-06	-0.035866	1.446E-07	-0.000106
5	SLV_calotta	Max	0.036175	0.000013	-0.093694	2.207E-07	-0.000245
5	SLV_calotta	Min	0.036175	0.000013	-0.093694	2.207E-07	-0.000245
6	SLE_dreno	Max	2.329E-06	5.991E-06	-0.056143	2.427E-07	-0.000128
6	SLE_dreno	Min	2.329E-06	5.991E-06	-0.056143	2.427E-07	-0.000128
6	SLU_dreno	Max	3.075E-06	0.000062	-0.07299	2.523E-06	-0.000166
6	SLU_dreno	Min	3.075E-06	0.000062	-0.07299	2.523E-06	-0.000166
6	SLV_dreno	Max	0.026797	8.182E-06	-0.062701	1.203E-07	-0.000212
6	SLV_dreno	Min	0.026797	8.182E-06	-0.062701	1.203E-07	-0.000212
6	SLE_calotta	Max	-4.449E-06	2.667E-06	-0.027542	1.112E-07	-0.000101
6	SLE_calotta	Min	-4.449E-06	2.667E-06	-0.027542	1.112E-07	-0.000101
6	SLU_calotta	Max	-5.785E-06	3.468E-06	-0.035804	1.446E-07	-0.000131
6	SLU_calotta	Min	-5.785E-06	3.468E-06	-0.035804	1.446E-07	-0.000131
6	SLV_calotta	Max	0.03619	0.000013	-0.093567	2.207E-07	-0.000254
6	SLV_calotta	Min	0.03619	0.000013	-0.093567	2.207E-07	-0.000254
7	SLE_dreno	Max	0.000013	5.650E-06	-0.05607	2.427E-07	-0.000151
7	SLE_dreno	Min	0.000013	5.650E-06	-0.05607	2.427E-07	-0.000151
7	SLU_dreno	Max	0.000018	0.000059	-0.072896	2.523E-06	-0.000196
7	SLU_dreno	Min	0.000018	0.000059	-0.072896	2.523E-06	-0.000196
7	SLV_dreno	Max	0.026816	7.763E-06	-0.062586	1.203E-07	-0.000233
7	SLV_dreno	Min	0.026816	7.763E-06	-0.062586	1.203E-07	-0.000233
7	SLE_calotta	Max	3.055E-06	2.515E-06	-0.027484	1.112E-07	-0.000119
7	SLE_calotta	Min	3.055E-06	2.515E-06	-0.027484	1.112E-07	-0.000119
7	SLU_calotta	Max	3.970E-06	3.270E-06	-0.035729	1.446E-07	-0.000154
7	SLU_calotta	Min	3.970E-06	3.270E-06	-0.035729	1.446E-07	-0.000154
7	SLV_calotta	Max	0.036211	0.000012	-0.093436	2.207E-07	-0.000261
7	SLV_calotta	Min	0.036211	0.000012	-0.093436	2.207E-07	-0.000261
8	SLE_dreno	Max	0.00003	5.316E-06	-0.055986	2.427E-07	-0.000172
8	SLE_dreno	Min	0.00003	5.316E-06	-0.055986	2.427E-07	-0.000172
8	SLU_dreno	Max	0.000039	0.000055	-0.072787	2.523E-06	-0.000224
8	SLU_dreno	Min	0.000039	0.000055	-0.072787	2.523E-06	-0.000224
8	SLV_dreno	Max	0.026841	7.349E-06	-0.062461	1.203E-07	-0.000252
8	SLV_dreno	Min	0.026841	7.349E-06	-0.062461	1.203E-07	-0.000252
8	SLE_calotta	Max	0.000015	2.366E-06	-0.027418	1.112E-07	-0.000135

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
8	SLE_calotta	Min	0.000015	2.366E-06	-0.027418	1.112E-07	-0.000135
8	SLU_calotta	Max	0.000019	3.076E-06	-0.035643	1.446E-07	-0.000176
8	SLU_calotta	Min	0.000019	3.076E-06	-0.035643	1.446E-07	-0.000176
8	SLV_calotta	Max	0.036237	0.000011	-0.093302	2.207E-07	-0.000268
8	SLV_calotta	Min	0.036237	0.000011	-0.093302	2.207E-07	-0.000268
9	SLE_dreno	Max	0.000053	4.991E-06	-0.055893	2.427E-07	-0.000192
9	SLE_dreno	Min	0.000053	4.991E-06	-0.055893	2.427E-07	-0.000192
9	SLU_dreno	Max	0.000069	0.000052	-0.072665	2.523E-06	-0.00025
9	SLU_dreno	Min	0.000069	0.000052	-0.072665	2.523E-06	-0.00025
9	SLV_dreno	Max	0.026874	6.942E-06	-0.062328	1.203E-07	-0.00027
9	SLV_dreno	Min	0.026874	6.942E-06	-0.062328	1.203E-07	-0.00027
9	SLE_calotta	Max	0.000031	2.221E-06	-0.027344	1.112E-07	-0.000151
9	SLE_calotta	Min	0.000031	2.221E-06	-0.027344	1.112E-07	-0.000151
9	SLU_calotta	Max	0.000041	2.887E-06	-0.035547	1.446E-07	-0.000196
9	SLU_calotta	Min	0.000041	2.887E-06	-0.035547	1.446E-07	-0.000196
9	SLV_calotta	Max	0.036269	0.000011	-0.093166	2.207E-07	-0.000274
9	SLV_calotta	Min	0.036269	0.000011	-0.093166	2.207E-07	-0.000274
10	SLE_dreno	Max	0.000082	4.673E-06	-0.05579	2.427E-07	-0.00021
10	SLE_dreno	Min	0.000082	4.673E-06	-0.05579	2.427E-07	-0.00021
10	SLU_dreno	Max	0.000106	0.000049	-0.072532	2.523E-06	-0.000273
10	SLU_dreno	Min	0.000106	0.000049	-0.072532	2.523E-06	-0.000273
10	SLV_dreno	Max	0.026914	6.542E-06	-0.062189	1.203E-07	-0.000285
10	SLV_dreno	Min	0.026914	6.542E-06	-0.062189	1.203E-07	-0.000285
10	SLE_calotta	Max	0.000053	2.079E-06	-0.027263	1.112E-07	-0.000165
10	SLE_calotta	Min	0.000053	2.079E-06	-0.027263	1.112E-07	-0.000165
10	SLU_calotta	Max	0.000069	2.703E-06	-0.035442	1.446E-07	-0.000215
10	SLU_calotta	Min	0.000069	2.703E-06	-0.035442	1.446E-07	-0.000215
10	SLV_calotta	Max	0.036307	0.00001	-0.093029	2.207E-07	-0.000278
10	SLV_calotta	Min	0.036307	0.00001	-0.093029	2.207E-07	-0.000278
11	SLE_dreno	Max	0.000118	4.365E-06	-0.055681	2.427E-07	-0.000225
11	SLE_dreno	Min	0.000118	4.365E-06	-0.055681	2.427E-07	-0.000225
11	SLU_dreno	Max	0.000153	0.000045	-0.072389	2.523E-06	-0.000293
11	SLU_dreno	Min	0.000153	0.000045	-0.072389	2.523E-06	-0.000293
11	SLV_dreno	Max	0.026962	6.149E-06	-0.062043	1.203E-07	-0.000297
11	SLV_dreno	Min	0.026962	6.149E-06	-0.062043	1.203E-07	-0.000297
11	SLE_calotta	Max	0.00008	1.942E-06	-0.027176	1.112E-07	-0.000177
11	SLE_calotta	Min	0.00008	1.942E-06	-0.027176	1.112E-07	-0.000177
11	SLU_calotta	Max	0.000104	2.525E-06	-0.035329	1.446E-07	-0.000231
11	SLU_calotta	Min	0.000104	2.525E-06	-0.035329	1.446E-07	-0.000231
11	SLV_calotta	Max	0.03635	9.501E-06	-0.092891	2.207E-07	-0.00028
11	SLV_calotta	Min	0.03635	9.501E-06	-0.092891	2.207E-07	-0.00028
12	SLE_dreno	Max	0.000161	4.066E-06	-0.055565	2.427E-07	-0.000238
12	SLE_dreno	Min	0.000161	4.066E-06	-0.055565	2.427E-07	-0.000238
12	SLU_dreno	Max	0.000209	0.000042	-0.072239	2.523E-06	-0.00031
12	SLU_dreno	Min	0.000209	0.000042	-0.072239	2.523E-06	-0.00031
12	SLV_dreno	Max	0.027017	5.765E-06	-0.061894	1.203E-07	-0.000307
12	SLV_dreno	Min	0.027017	5.765E-06	-0.061894	1.203E-07	-0.000307
12	SLE_calotta	Max	0.000113	1.809E-06	-0.027085	1.112E-07	-0.000188
12	SLE_calotta	Min	0.000113	1.809E-06	-0.027085	1.112E-07	-0.000188
12	SLU_calotta	Max	0.000146	2.352E-06	-0.03521	1.446E-07	-0.000244
12	SLU_calotta	Min	0.000146	2.352E-06	-0.03521	1.446E-07	-0.000244
12	SLV_calotta	Max	0.036399	8.900E-06	-0.092753	2.207E-07	-0.000281
12	SLV_calotta	Min	0.036399	8.900E-06	-0.092753	2.207E-07	-0.000281
13	SLE_dreno	Max	0.00021	3.777E-06	-0.055445	2.427E-07	-0.000249
13	SLE_dreno	Min	0.00021	3.777E-06	-0.055445	2.427E-07	-0.000249
13	SLU_dreno	Max	0.000273	0.000039	-0.072083	2.523E-06	-0.000323
13	SLU_dreno	Min	0.000273	0.000039	-0.072083	2.523E-06	-0.000323
13	SLV_dreno	Max	0.02708	5.389E-06	-0.061742	1.203E-07	-0.000314
13	SLV_dreno	Min	0.02708	5.389E-06	-0.061742	1.203E-07	-0.000314

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
13	SLE_calotta	Max	0.000151	1.680E-06	-0.02699	1.112E-07	-0.000196
13	SLE_calotta	Min	0.000151	1.680E-06	-0.02699	1.112E-07	-0.000196
13	SLU_calotta	Max	0.000196	2.184E-06	-0.035087	1.446E-07	-0.000255
13	SLU_calotta	Min	0.000196	2.184E-06	-0.035087	1.446E-07	-0.000255
13	SLV_calotta	Max	0.036453	8.314E-06	-0.092617	2.207E-07	-0.00028
13	SLV_calotta	Min	0.036453	8.314E-06	-0.092617	2.207E-07	-0.00028
14	SLE_dreno	Max	0.000266	3.499E-06	-0.055322	2.427E-07	-0.000256
14	SLE_dreno	Min	0.000266	3.499E-06	-0.055322	2.427E-07	-0.000256
14	SLU_dreno	Max	0.000346	0.000036	-0.071924	2.523E-06	-0.000333
14	SLU_dreno	Min	0.000346	0.000036	-0.071924	2.523E-06	-0.000333
14	SLV_dreno	Max	0.027149	5.022E-06	-0.061589	1.203E-07	-0.000318
14	SLV_dreno	Min	0.027149	5.022E-06	-0.061589	1.203E-07	-0.000318
14	SLE_calotta	Max	0.000194	1.556E-06	-0.026893	1.112E-07	-0.000202
14	SLE_calotta	Min	0.000194	1.556E-06	-0.026893	1.112E-07	-0.000202
14	SLU_calotta	Max	0.000252	2.023E-06	-0.03496	1.446E-07	-0.000262
14	SLU_calotta	Min	0.000252	2.023E-06	-0.03496	1.446E-07	-0.000262
14	SLV_calotta	Max	0.036512	7.742E-06	-0.092484	2.207E-07	-0.000277
14	SLV_calotta	Min	0.036512	7.742E-06	-0.092484	2.207E-07	-0.000277
15	SLE_dreno	Max	0.000329	3.230E-06	-0.055199	2.427E-07	-0.00026
15	SLE_dreno	Min	0.000329	3.230E-06	-0.055199	2.427E-07	-0.00026
15	SLU_dreno	Max	0.000427	0.000034	-0.071763	2.523E-06	-0.000338
15	SLU_dreno	Min	0.000427	0.000034	-0.071763	2.523E-06	-0.000338
15	SLV_dreno	Max	0.027225	4.665E-06	-0.061438	1.203E-07	-0.000318
15	SLV_dreno	Min	0.027225	4.665E-06	-0.061438	1.203E-07	-0.000318
15	SLE_calotta	Max	0.000242	1.437E-06	-0.026794	1.112E-07	-0.000205
15	SLE_calotta	Min	0.000242	1.437E-06	-0.026794	1.112E-07	-0.000205
15	SLU_calotta	Max	0.000314	1.868E-06	-0.034833	1.446E-07	-0.000267
15	SLU_calotta	Min	0.000314	1.868E-06	-0.034833	1.446E-07	-0.000267
15	SLV_calotta	Max	0.036574	7.187E-06	-0.092355	2.207E-07	-0.000271
15	SLV_calotta	Min	0.036574	7.187E-06	-0.092355	2.207E-07	-0.000271
16	SLE_dreno	Max	0.000399	2.975E-06	-0.055076	2.427E-07	-0.000261
16	SLE_dreno	Min	0.000399	2.975E-06	-0.055076	2.427E-07	-0.000261
16	SLU_dreno	Max	0.000519	0.000031	-0.071603	2.523E-06	-0.000339
16	SLU_dreno	Min	0.000519	0.000031	-0.071603	2.523E-06	-0.000339
16	SLV_dreno	Max	0.02731	4.320E-06	-0.06129	1.203E-07	-0.000314
16	SLV_dreno	Min	0.02731	4.320E-06	-0.06129	1.203E-07	-0.000314
16	SLE_calotta	Max	0.000296	1.324E-06	-0.026697	1.112E-07	-0.000206
16	SLE_calotta	Min	0.000296	1.324E-06	-0.026697	1.112E-07	-0.000206
16	SLU_calotta	Max	0.000385	1.721E-06	-0.034706	1.446E-07	-0.000267
16	SLU_calotta	Min	0.000385	1.721E-06	-0.034706	1.446E-07	-0.000267
16	SLV_calotta	Max	0.036643	6.650E-06	-0.09223	2.207E-07	-0.000264
16	SLV_calotta	Min	0.036643	6.650E-06	-0.09223	2.207E-07	-0.000264
17	SLE_dreno	Max	0.000474	2.733E-06	-0.054955	2.427E-07	-0.000258
17	SLE_dreno	Min	0.000474	2.733E-06	-0.054955	2.427E-07	-0.000258
17	SLU_dreno	Max	0.000617	0.000028	-0.071446	2.523E-06	-0.000335
17	SLU_dreno	Min	0.000617	0.000028	-0.071446	2.523E-06	-0.000335
17	SLV_dreno	Max	0.027399	3.985E-06	-0.061147	1.203E-07	-0.000307
17	SLV_dreno	Min	0.027399	3.985E-06	-0.061147	1.203E-07	-0.000307
17	SLE_calotta	Max	0.000354	1.216E-06	-0.026601	1.112E-07	-0.000203
17	SLE_calotta	Min	0.000354	1.216E-06	-0.026601	1.112E-07	-0.000203
17	SLU_calotta	Max	0.000461	1.581E-06	-0.034581	1.446E-07	-0.000264
17	SLU_calotta	Min	0.000461	1.581E-06	-0.034581	1.446E-07	-0.000264
17	SLV_calotta	Max	0.036714	6.132E-06	-0.092111	2.207E-07	-0.000254
17	SLV_calotta	Min	0.036714	6.132E-06	-0.092111	2.207E-07	-0.000254
18	SLE_dreno	Max	0.000553	2.503E-06	-0.05484	2.427E-07	-0.000252
18	SLE_dreno	Min	0.000553	2.503E-06	-0.05484	2.427E-07	-0.000252
18	SLU_dreno	Max	0.000719	0.000026	-0.071297	2.523E-06	-0.000328
18	SLU_dreno	Min	0.000719	0.000026	-0.071297	2.523E-06	-0.000328
18	SLV_dreno	Max	0.027491	3.664E-06	-0.061011	1.203E-07	-0.000298

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
18	SLV_dreno	Min	0.027491	3.664E-06	-0.061011	1.203E-07	-0.000298
18	SLE_calotta	Max	0.000415	1.114E-06	-0.026509	1.112E-07	-0.000199
18	SLE_calotta	Min	0.000415	1.114E-06	-0.026509	1.112E-07	-0.000199
18	SLU_calotta	Max	0.00054	1.448E-06	-0.034462	1.446E-07	-0.000259
18	SLU_calotta	Min	0.00054	1.448E-06	-0.034462	1.446E-07	-0.000259
18	SLV_calotta	Max	0.036787	5.633E-06	-0.092	2.207E-07	-0.000244
18	SLV_calotta	Min	0.036787	5.633E-06	-0.092	2.207E-07	-0.000244
19	SLE_dreno	Max	0.000634	2.286E-06	-0.05473	2.427E-07	-0.000244
19	SLE_dreno	Min	0.000634	2.286E-06	-0.05473	2.427E-07	-0.000244
19	SLU_dreno	Max	0.000824	0.000024	-0.071154	2.523E-06	-0.000318
19	SLU_dreno	Min	0.000824	0.000024	-0.071154	2.523E-06	-0.000318
19	SLV_dreno	Max	0.027585	3.354E-06	-0.060883	1.203E-07	-0.000287
19	SLV_dreno	Min	0.027585	3.354E-06	-0.060883	1.203E-07	-0.000287
19	SLE_calotta	Max	0.000479	1.018E-06	-0.026422	1.112E-07	-0.000193
19	SLE_calotta	Min	0.000479	1.018E-06	-0.026422	1.112E-07	-0.000193
19	SLU_calotta	Max	0.000622	1.323E-06	-0.034349	1.446E-07	-0.000251
19	SLU_calotta	Min	0.000622	1.323E-06	-0.034349	1.446E-07	-0.000251
19	SLV_calotta	Max	0.036861	5.155E-06	-0.091895	2.207E-07	-0.000234
19	SLV_calotta	Min	0.036861	5.155E-06	-0.091895	2.207E-07	-0.000234
20	SLE_dreno	Max	0.000716	2.082E-06	-0.054627	2.427E-07	-0.000235
20	SLE_dreno	Min	0.000716	2.082E-06	-0.054627	2.427E-07	-0.000235
20	SLU_dreno	Max	0.000931	0.000022	-0.07102	2.523E-06	-0.000306
20	SLU_dreno	Min	0.000931	0.000022	-0.07102	2.523E-06	-0.000306
20	SLV_dreno	Max	0.02768	3.058E-06	-0.060763	1.203E-07	-0.000275
20	SLV_dreno	Min	0.02768	3.058E-06	-0.060763	1.203E-07	-0.000275
20	SLE_calotta	Max	0.000543	9.275E-07	-0.02634	1.112E-07	-0.000186
20	SLE_calotta	Min	0.000543	9.275E-07	-0.02634	1.112E-07	-0.000186
20	SLU_calotta	Max	0.000706	1.206E-06	-0.034242	1.446E-07	-0.000242
20	SLU_calotta	Min	0.000706	1.206E-06	-0.034242	1.446E-07	-0.000242
20	SLV_calotta	Max	0.036936	4.698E-06	-0.091798	2.207E-07	-0.000224
20	SLV_calotta	Min	0.036936	4.698E-06	-0.091798	2.207E-07	-0.000224
21	SLE_dreno	Max	0.000799	1.892E-06	-0.054531	2.427E-07	-0.000226
21	SLE_dreno	Min	0.000799	1.892E-06	-0.054531	2.427E-07	-0.000226
21	SLU_dreno	Max	0.001039	0.00002	-0.070895	2.523E-06	-0.000293
21	SLU_dreno	Min	0.001039	0.00002	-0.070895	2.523E-06	-0.000293
21	SLV_dreno	Max	0.027776	2.775E-06	-0.060651	1.203E-07	-0.000263
21	SLV_dreno	Min	0.027776	2.775E-06	-0.060651	1.203E-07	-0.000263
21	SLE_calotta	Max	0.000608	8.434E-07	-0.026263	1.112E-07	-0.000179
21	SLE_calotta	Min	0.000608	8.434E-07	-0.026263	1.112E-07	-0.000179
21	SLU_calotta	Max	0.00079	1.096E-06	-0.034141	1.446E-07	-0.000232
21	SLU_calotta	Min	0.00079	1.096E-06	-0.034141	1.446E-07	-0.000232
21	SLV_calotta	Max	0.037012	4.263E-06	-0.091707	2.207E-07	-0.000215
21	SLV_calotta	Min	0.037012	4.263E-06	-0.091707	2.207E-07	-0.000215
22	SLE_dreno	Max	0.000905	1.925E-06	-0.0545	2.427E-07	-0.000217
22	SLE_dreno	Min	0.000905	1.925E-06	-0.0545	2.427E-07	-0.000217
22	SLU_dreno	Max	0.001176	0.00002	-0.070854	2.523E-06	-0.000282
22	SLU_dreno	Min	0.001176	0.00002	-0.070854	2.523E-06	-0.000282
22	SLV_dreno	Max	0.027897	2.734E-06	-0.060615	1.203E-07	-0.000253
22	SLV_dreno	Min	0.027897	2.734E-06	-0.060615	1.203E-07	-0.000253
22	SLE_calotta	Max	0.00069	8.597E-07	-0.026237	1.112E-07	-0.000172
22	SLE_calotta	Min	0.00069	8.597E-07	-0.026237	1.112E-07	-0.000172
22	SLU_calotta	Max	0.000897	1.118E-06	-0.034109	1.446E-07	-0.000224
22	SLU_calotta	Min	0.000897	1.118E-06	-0.034109	1.446E-07	-0.000224
22	SLV_calotta	Max	0.037107	4.213E-06	-0.091677	2.207E-07	-0.000207
22	SLV_calotta	Min	0.037107	4.213E-06	-0.091677	2.207E-07	-0.000207
23	SLE_dreno	Max	0.001006	1.967E-06	-0.054471	2.427E-07	-0.000208
23	SLE_dreno	Min	0.001006	1.967E-06	-0.054471	2.427E-07	-0.000208
23	SLU_dreno	Max	0.001309	0.00002	-0.070817	2.523E-06	-0.000271
23	SLU_dreno	Min	0.001309	0.00002	-0.070817	2.523E-06	-0.000271

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
23	SLV_dreno	Max	0.028014	2.702E-06	-0.060582	1.203E-07	-0.000243
23	SLV_dreno	Min	0.028014	2.702E-06	-0.060582	1.203E-07	-0.000243
23	SLE_calotta	Max	0.00077	8.798E-07	-0.026214	1.112E-07	-0.000165
23	SLE_calotta	Min	0.00077	8.798E-07	-0.026214	1.112E-07	-0.000165
23	SLU_calotta	Max	0.001001	1.144E-06	-0.034078	1.446E-07	-0.000215
23	SLU_calotta	Min	0.001001	1.144E-06	-0.034078	1.446E-07	-0.000215
23	SLV_calotta	Max	0.037199	4.178E-06	-0.09165	2.207E-07	-0.0002
23	SLV_calotta	Min	0.037199	4.178E-06	-0.09165	2.207E-07	-0.0002
24	SLE_dreno	Max	0.001104	2.018E-06	-0.054445	2.427E-07	-0.000196
24	SLE_dreno	Min	0.001104	2.018E-06	-0.054445	2.427E-07	-0.000196
24	SLU_dreno	Max	0.001435	0.000021	-0.070783	2.523E-06	-0.000255
24	SLU_dreno	Min	0.001435	0.000021	-0.070783	2.523E-06	-0.000255
24	SLV_dreno	Max	0.028126	2.680E-06	-0.060552	1.203E-07	-0.00023
24	SLV_dreno	Min	0.028126	2.680E-06	-0.060552	1.203E-07	-0.00023
24	SLE_calotta	Max	0.000846	9.037E-07	-0.026193	1.112E-07	-0.000156
24	SLE_calotta	Min	0.000846	9.037E-07	-0.026193	1.112E-07	-0.000156
24	SLU_calotta	Max	0.0011	1.175E-06	-0.03405	1.446E-07	-0.000203
24	SLU_calotta	Min	0.0011	1.175E-06	-0.03405	1.446E-07	-0.000203
24	SLV_calotta	Max	0.037289	4.159E-06	-0.091624	2.207E-07	-0.000193
24	SLV_calotta	Min	0.037289	4.159E-06	-0.091624	2.207E-07	-0.000193
25	SLE_dreno	Max	0.001195	2.077E-06	-0.054421	2.427E-07	-0.00018
25	SLE_dreno	Min	0.001195	2.077E-06	-0.054421	2.427E-07	-0.00018
25	SLU_dreno	Max	0.001554	0.000022	-0.070752	2.523E-06	-0.000234
25	SLU_dreno	Min	0.001554	0.000022	-0.070752	2.523E-06	-0.000234
25	SLV_dreno	Max	0.028232	2.668E-06	-0.060524	1.203E-07	-0.000213
25	SLV_dreno	Min	0.028232	2.668E-06	-0.060524	1.203E-07	-0.000213
25	SLE_calotta	Max	0.000918	9.314E-07	-0.026172	1.112E-07	-0.000145
25	SLE_calotta	Min	0.000918	9.314E-07	-0.026172	1.112E-07	-0.000145
25	SLU_calotta	Max	0.001194	1.211E-06	-0.034024	1.446E-07	-0.000189
25	SLU_calotta	Min	0.001194	1.211E-06	-0.034024	1.446E-07	-0.000189
25	SLV_calotta	Max	0.037375	4.155E-06	-0.0916	2.207E-07	-0.000184
25	SLV_calotta	Min	0.037375	4.155E-06	-0.0916	2.207E-07	-0.000184
26	SLE_dreno	Max	0.001277	2.144E-06	-0.054399	2.427E-07	-0.00016
26	SLE_dreno	Min	0.001277	2.144E-06	-0.054399	2.427E-07	-0.00016
26	SLU_dreno	Max	0.001661	0.000022	-0.070723	2.523E-06	-0.000208
26	SLU_dreno	Min	0.001661	0.000022	-0.070723	2.523E-06	-0.000208
26	SLV_dreno	Max	0.028328	2.666E-06	-0.060499	1.203E-07	-0.000192
26	SLV_dreno	Min	0.028328	2.666E-06	-0.060499	1.203E-07	-0.000192
26	SLE_calotta	Max	0.000985	9.629E-07	-0.026154	1.112E-07	-0.000131
26	SLE_calotta	Min	0.000985	9.629E-07	-0.026154	1.112E-07	-0.000131
26	SLU_calotta	Max	0.00128	1.252E-06	-0.034	1.446E-07	-0.00017
26	SLU_calotta	Min	0.00128	1.252E-06	-0.034	1.446E-07	-0.00017
26	SLV_calotta	Max	0.037457	4.166E-06	-0.091578	2.207E-07	-0.000176
26	SLV_calotta	Min	0.037457	4.166E-06	-0.091578	2.207E-07	-0.000176
27	SLE_dreno	Max	0.001349	2.220E-06	-0.054379	2.427E-07	-0.000133
27	SLE_dreno	Min	0.001349	2.220E-06	-0.054379	2.427E-07	-0.000133
27	SLU_dreno	Max	0.001754	0.000023	-0.070698	2.523E-06	-0.000173
27	SLU_dreno	Min	0.001754	0.000023	-0.070698	2.523E-06	-0.000173
27	SLV_dreno	Max	0.028414	2.673E-06	-0.060475	1.203E-07	-0.000165
27	SLV_dreno	Min	0.028414	2.673E-06	-0.060475	1.203E-07	-0.000165
27	SLE_calotta	Max	0.001044	9.982E-07	-0.026137	1.112E-07	-0.000112
27	SLE_calotta	Min	0.001044	9.982E-07	-0.026137	1.112E-07	-0.000112
27	SLU_calotta	Max	0.001358	1.298E-06	-0.033978	1.446E-07	-0.000146
27	SLU_calotta	Min	0.001358	1.298E-06	-0.033978	1.446E-07	-0.000146
27	SLV_calotta	Max	0.037537	4.192E-06	-0.091556	2.207E-07	-0.000167
27	SLV_calotta	Min	0.037537	4.192E-06	-0.091556	2.207E-07	-0.000167
28	SLE_dreno	Max	0.001406	2.304E-06	-0.054362	2.427E-07	-0.000098
28	SLE_dreno	Min	0.001406	2.304E-06	-0.054362	2.427E-07	-0.000098
28	SLU_dreno	Max	0.001828	0.000024	-0.070675	2.523E-06	-0.000128

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
28	SLU_dreno	Min	0.001828	0.000024	-0.070675	2.523E-06	-0.000128
28	SLV_dreno	Max	0.028487	2.689E-06	-0.060454	1.203E-07	-0.000131
28	SLV_dreno	Min	0.028487	2.689E-06	-0.060454	1.203E-07	-0.000131
28	SLE_calotta	Max	0.001094	1.037E-06	-0.026121	1.112E-07	-0.000088
28	SLE_calotta	Min	0.001094	1.037E-06	-0.026121	1.112E-07	-0.000088
28	SLU_calotta	Max	0.001422	1.348E-06	-0.033957	1.446E-07	-0.000114
28	SLU_calotta	Min	0.001422	1.348E-06	-0.033957	1.446E-07	-0.000114
28	SLV_calotta	Max	0.037613	4.234E-06	-0.091536	2.207E-07	-0.000157
28	SLV_calotta	Min	0.037613	4.234E-06	-0.091536	2.207E-07	-0.000157
29	SLE_dreno	Max	0.001445	2.397E-06	-0.054345	2.427E-07	-0.000055
29	SLE_dreno	Min	0.001445	2.397E-06	-0.054345	2.427E-07	-0.000055
29	SLU_dreno	Max	0.001879	0.000025	-0.070654	2.523E-06	-0.000072
29	SLU_dreno	Min	0.001879	0.000025	-0.070654	2.523E-06	-0.000072
29	SLV_dreno	Max	0.028541	2.716E-06	-0.060434	1.203E-07	-0.00009
29	SLV_dreno	Min	0.028541	2.716E-06	-0.060434	1.203E-07	-0.00009
29	SLE_calotta	Max	0.001132	1.080E-06	-0.026106	1.112E-07	-0.000057
29	SLE_calotta	Min	0.001132	1.080E-06	-0.026106	1.112E-07	-0.000057
29	SLU_calotta	Max	0.001471	1.404E-06	-0.033937	1.446E-07	-0.000074
29	SLU_calotta	Min	0.001471	1.404E-06	-0.033937	1.446E-07	-0.000074
29	SLV_calotta	Max	0.037686	4.291E-06	-0.091516	2.207E-07	-0.000148
29	SLV_calotta	Min	0.037686	4.291E-06	-0.091516	2.207E-07	-0.000148
30	SLE_dreno	Max	0.001461	2.498E-06	-0.05433	2.427E-07	-2.352E-06
30	SLE_dreno	Min	0.001461	2.498E-06	-0.05433	2.427E-07	-2.352E-06
30	SLU_dreno	Max	0.001899	0.000026	-0.070634	2.523E-06	-3.054E-06
30	SLU_dreno	Min	0.001899	0.000026	-0.070634	2.523E-06	-3.054E-06
30	SLV_dreno	Max	0.028574	2.752E-06	-0.060416	1.203E-07	-0.000039
30	SLV_dreno	Min	0.028574	2.752E-06	-0.060416	1.203E-07	-0.000039
30	SLE_calotta	Max	0.001153	1.126E-06	-0.026091	1.112E-07	-0.000018
30	SLE_calotta	Min	0.001153	1.126E-06	-0.026091	1.112E-07	-0.000018
30	SLU_calotta	Max	0.001499	1.464E-06	-0.033919	1.446E-07	-0.000024
30	SLU_calotta	Min	0.001499	1.464E-06	-0.033919	1.446E-07	-0.000024
30	SLV_calotta	Max	0.037756	4.364E-06	-0.091496	2.207E-07	-0.000137
30	SLV_calotta	Min	0.037756	4.364E-06	-0.091496	2.207E-07	-0.000137
31	SLE_dreno	Max	0.001449	2.607E-06	-0.054316	2.427E-07	0.000059
31	SLE_dreno	Min	0.001449	2.607E-06	-0.054316	2.427E-07	0.000059
31	SLU_dreno	Max	0.001884	0.000027	-0.070615	2.523E-06	0.000077
31	SLU_dreno	Min	0.001884	0.000027	-0.070615	2.523E-06	0.000077
31	SLV_dreno	Max	0.028582	2.797E-06	-0.060398	1.203E-07	0.00002
31	SLV_dreno	Min	0.028582	2.797E-06	-0.060398	1.203E-07	0.00002
31	SLE_calotta	Max	0.001155	1.176E-06	-0.026078	1.112E-07	0.000029
31	SLE_calotta	Min	0.001155	1.176E-06	-0.026078	1.112E-07	0.000029
31	SLU_calotta	Max	0.001501	1.529E-06	-0.033901	1.446E-07	0.000037
31	SLU_calotta	Min	0.001501	1.529E-06	-0.033901	1.446E-07	0.000037
31	SLV_calotta	Max	0.037822	4.451E-06	-0.091478	2.207E-07	-0.000124
31	SLV_calotta	Min	0.037822	4.451E-06	-0.091478	2.207E-07	-0.000124
32	SLE_dreno	Max	0.001406	2.724E-06	-0.0543	2.427E-07	0.000129
32	SLE_dreno	Min	0.001406	2.724E-06	-0.0543	2.427E-07	0.000129
32	SLU_dreno	Max	0.001828	0.000028	-0.070595	2.523E-06	0.000168
32	SLU_dreno	Min	0.001828	0.000028	-0.070595	2.523E-06	0.000168
32	SLV_dreno	Max	0.02856	2.853E-06	-0.06038	1.203E-07	0.000087
32	SLV_dreno	Min	0.02856	2.853E-06	-0.06038	1.203E-07	0.000087
32	SLE_calotta	Max	0.001133	1.230E-06	-0.026064	1.112E-07	0.000084
32	SLE_calotta	Min	0.001133	1.230E-06	-0.026064	1.112E-07	0.000084
32	SLU_calotta	Max	0.001473	1.599E-06	-0.033883	1.446E-07	0.000109
32	SLU_calotta	Min	0.001473	1.599E-06	-0.033883	1.446E-07	0.000109
32	SLV_calotta	Max	0.037884	4.554E-06	-0.09146	2.207E-07	-0.000107
32	SLV_calotta	Min	0.037884	4.554E-06	-0.09146	2.207E-07	-0.000107
33	SLE_dreno	Max	0.00134	2.836E-06	-0.054285	2.427E-07	0.000194
33	SLE_dreno	Min	0.00134	2.836E-06	-0.054285	2.427E-07	0.000194



Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
33	SLU_dreno	Max	0.001742	0.000029	-0.070575	2.523E-06	0.000252
33	SLU_dreno	Min	0.001742	0.000029	-0.070575	2.523E-06	0.000252
33	SLV_dreno	Max	0.028514	2.913E-06	-0.060363	1.203E-07	0.000151
33	SLV_dreno	Min	0.028514	2.913E-06	-0.060363	1.203E-07	0.000151
33	SLE_calotta	Max	0.001092	1.281E-06	-0.02605	1.112E-07	0.000138
33	SLE_calotta	Min	0.001092	1.281E-06	-0.02605	1.112E-07	0.000138
33	SLU_calotta	Max	0.001419	1.666E-06	-0.033865	1.446E-07	0.00018
33	SLU_calotta	Min	0.001419	1.666E-06	-0.033865	1.446E-07	0.00018
33	SLV_calotta	Max	0.037932	4.662E-06	-0.091446	2.207E-07	-0.000089
33	SLV_calotta	Min	0.037932	4.662E-06	-0.091446	2.207E-07	-0.000089
34	SLE_dreno	Max	0.001246	2.961E-06	-0.054265	2.427E-07	0.00026
34	SLE_dreno	Min	0.001246	2.961E-06	-0.054265	2.427E-07	0.00026
34	SLU_dreno	Max	0.00162	0.000031	-0.070549	2.523E-06	0.000338
34	SLU_dreno	Min	0.00162	0.000031	-0.070549	2.523E-06	0.000338
34	SLV_dreno	Max	0.028441	2.989E-06	-0.060342	1.203E-07	0.000217
34	SLV_dreno	Min	0.028441	2.989E-06	-0.060342	1.203E-07	0.000217
34	SLE_calotta	Max	0.001027	1.339E-06	-0.026033	1.112E-07	0.000196
34	SLE_calotta	Min	0.001027	1.339E-06	-0.026033	1.112E-07	0.000196
34	SLU_calotta	Max	0.001335	1.740E-06	-0.033842	1.446E-07	0.000254
34	SLU_calotta	Min	0.001335	1.740E-06	-0.033842	1.446E-07	0.000254
34	SLV_calotta	Max	0.037973	4.796E-06	-0.091434	2.207E-07	-0.000068
34	SLV_calotta	Min	0.037973	4.796E-06	-0.091434	2.207E-07	-0.000068
35	SLE_dreno	Max	0.001125	3.100E-06	-0.054238	2.427E-07	0.000325
35	SLE_dreno	Min	0.001125	3.100E-06	-0.054238	2.427E-07	0.000325
35	SLU_dreno	Max	0.001463	0.000032	-0.070514	2.523E-06	0.000422
35	SLU_dreno	Min	0.001463	0.000032	-0.070514	2.523E-06	0.000422
35	SLV_dreno	Max	0.02834	3.081E-06	-0.060314	1.203E-07	0.000282
35	SLV_dreno	Min	0.02834	3.081E-06	-0.060314	1.203E-07	0.000282
35	SLE_calotta	Max	0.000938	1.402E-06	-0.02601	1.112E-07	0.000255
35	SLE_calotta	Min	0.000938	1.402E-06	-0.02601	1.112E-07	0.000255
35	SLU_calotta	Max	0.00122	1.822E-06	-0.033813	1.446E-07	0.000331
35	SLU_calotta	Min	0.00122	1.822E-06	-0.033813	1.446E-07	0.000331
35	SLV_calotta	Max	0.038005	4.955E-06	-0.091422	2.207E-07	-0.000043
35	SLV_calotta	Min	0.038005	4.955E-06	-0.091422	2.207E-07	-0.000043
36	SLE_dreno	Max	0.000978	3.251E-06	-0.054202	2.427E-07	0.000385
36	SLE_dreno	Min	0.000978	3.251E-06	-0.054202	2.427E-07	0.000385
36	SLU_dreno	Max	0.001272	0.000034	-0.070467	2.523E-06	0.0005
36	SLU_dreno	Min	0.001272	0.000034	-0.070467	2.523E-06	0.0005
36	SLV_dreno	Max	0.028213	3.189E-06	-0.060279	1.203E-07	0.000344
36	SLV_dreno	Min	0.028213	3.189E-06	-0.060279	1.203E-07	0.000344
36	SLE_calotta	Max	0.000826	1.471E-06	-0.02598	1.112E-07	0.000312
36	SLE_calotta	Min	0.000826	1.471E-06	-0.02598	1.112E-07	0.000312
36	SLU_calotta	Max	0.001074	1.912E-06	-0.033774	1.446E-07	0.000405
36	SLU_calotta	Min	0.001074	1.912E-06	-0.033774	1.446E-07	0.000405
36	SLV_calotta	Max	0.038027	5.138E-06	-0.09141	2.207E-07	-0.000016
36	SLV_calotta	Min	0.038027	5.138E-06	-0.09141	2.207E-07	-0.000016
37	SLE_dreno	Max	0.000792	3.432E-06	-0.05415	2.427E-07	0.000444
37	SLE_dreno	Min	0.000792	3.432E-06	-0.05415	2.427E-07	0.000444
37	SLU_dreno	Max	0.001029	0.000036	-0.070399	2.523E-06	0.000577
37	SLU_dreno	Min	0.001029	0.000036	-0.070399	2.523E-06	0.000577
37	SLV_dreno	Max	0.028048	3.326E-06	-0.060229	1.203E-07	0.000406
37	SLV_dreno	Min	0.028048	3.326E-06	-0.060229	1.203E-07	0.000406
37	SLE_calotta	Max	0.000677	1.553E-06	-0.025937	1.112E-07	0.00037
37	SLE_calotta	Min	0.000677	1.553E-06	-0.025937	1.112E-07	0.00037
37	SLU_calotta	Max	0.000881	2.019E-06	-0.033718	1.446E-07	0.000481
37	SLU_calotta	Min	0.000881	2.019E-06	-0.033718	1.446E-07	0.000481
37	SLV_calotta	Max	0.03804	5.368E-06	-0.091396	2.207E-07	0.000014
37	SLV_calotta	Min	0.03804	5.368E-06	-0.091396	2.207E-07	0.000014
38	SLE_dreno	Max	0.000582	3.628E-06	-0.054084	2.427E-07	0.000494

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
38	SLE_dreno	Min	0.000582	3.628E-06	-0.054084	2.427E-07	0.000494
38	SLU_dreno	Max	0.000757	0.000038	-0.070313	2.523E-06	0.000642
38	SLU_dreno	Min	0.000757	0.000038	-0.070313	2.523E-06	0.000642
38	SLV_dreno	Max	0.027857	3.480E-06	-0.060165	1.203E-07	0.000461
38	SLV_dreno	Min	0.027857	3.480E-06	-0.060165	1.203E-07	0.000461
38	SLE_calotta	Max	0.000506	1.642E-06	-0.025881	1.112E-07	0.000423
38	SLE_calotta	Min	0.000506	1.642E-06	-0.025881	1.112E-07	0.000423
38	SLU_calotta	Max	0.000657	2.134E-06	-0.033645	1.446E-07	0.00055
38	SLU_calotta	Min	0.000657	2.134E-06	-0.033645	1.446E-07	0.00055
38	SLV_calotta	Max	0.038039	5.626E-06	-0.091379	2.207E-07	0.000045
38	SLV_calotta	Min	0.038039	5.626E-06	-0.091379	2.207E-07	0.000045
39	SLE_dreno	Max	0.000355	3.839E-06	-0.054002	2.427E-07	0.000536
39	SLE_dreno	Min	0.000355	3.839E-06	-0.054002	2.427E-07	0.000536
39	SLU_dreno	Max	0.000461	0.00004	-0.070207	2.523E-06	0.000697
39	SLU_dreno	Min	0.000461	0.00004	-0.070207	2.523E-06	0.000697
39	SLV_dreno	Max	0.027647	3.653E-06	-0.060086	1.203E-07	0.000507
39	SLV_dreno	Min	0.027647	3.653E-06	-0.060086	1.203E-07	0.000507
39	SLE_calotta	Max	0.000314	1.737E-06	-0.025811	1.112E-07	0.000469
39	SLE_calotta	Min	0.000314	1.737E-06	-0.025811	1.112E-07	0.000469
39	SLU_calotta	Max	0.000408	2.258E-06	-0.033554	1.446E-07	0.00061
39	SLU_calotta	Min	0.000408	2.258E-06	-0.033554	1.446E-07	0.00061
39	SLV_calotta	Max	0.038026	5.912E-06	-0.09136	2.207E-07	0.000074
39	SLV_calotta	Min	0.038026	5.912E-06	-0.09136	2.207E-07	0.000074
40	SLE_dreno	Max	0.000315	4.218E-06	-0.053676	2.427E-07	0.000653
40	SLE_dreno	Min	0.000315	4.218E-06	-0.053676	2.427E-07	0.000653
40	SLU_dreno	Max	0.000409	0.000044	-0.069783	2.523E-06	0.000848
40	SLU_dreno	Min	0.000409	0.000044	-0.069783	2.523E-06	0.000848
40	SLV_dreno	Max	0.02761	4.088E-06	-0.059766	1.203E-07	0.000637
40	SLV_dreno	Min	0.02761	4.088E-06	-0.059766	1.203E-07	0.000637
40	SLE_calotta	Max	0.00028	1.907E-06	-0.025511	1.112E-07	0.000601
40	SLE_calotta	Min	0.00028	1.907E-06	-0.025511	1.112E-07	0.000601
40	SLU_calotta	Max	0.000364	2.479E-06	-0.033165	1.446E-07	0.000781
40	SLU_calotta	Min	0.000364	2.479E-06	-0.033165	1.446E-07	0.000781
40	SLV_calotta	Max	0.038027	6.602E-06	-0.091275	2.207E-07	0.00016
40	SLV_calotta	Min	0.038027	6.602E-06	-0.091275	2.207E-07	0.00016
41	SLE_dreno	Max	0.000271	4.597E-06	-0.05331	2.427E-07	0.00072
41	SLE_dreno	Min	0.000271	4.597E-06	-0.05331	2.427E-07	0.00072
41	SLU_dreno	Max	0.000352	0.000048	-0.069307	2.523E-06	0.000936
41	SLU_dreno	Min	0.000352	0.000048	-0.069307	2.523E-06	0.000936
41	SLV_dreno	Max	0.027569	4.524E-06	-0.059401	1.203E-07	0.000711
41	SLV_dreno	Min	0.027569	4.524E-06	-0.059401	1.203E-07	0.000711
41	SLE_calotta	Max	0.000241	2.077E-06	-0.025165	1.112E-07	0.000679
41	SLE_calotta	Min	0.000241	2.077E-06	-0.025165	1.112E-07	0.000679
41	SLU_calotta	Max	0.000313	2.700E-06	-0.032715	1.446E-07	0.000883
41	SLU_calotta	Min	0.000313	2.700E-06	-0.032715	1.446E-07	0.000883
41	SLV_calotta	Max	0.038024	7.291E-06	-0.091161	2.207E-07	0.00021
41	SLV_calotta	Min	0.038024	7.291E-06	-0.091161	2.207E-07	0.00021
42	SLE_dreno	Max	0.000226	4.976E-06	-0.052905	2.427E-07	0.00079
42	SLE_dreno	Min	0.000226	4.976E-06	-0.052905	2.427E-07	0.00079
42	SLU_dreno	Max	0.000294	0.000052	-0.068781	2.523E-06	0.001028
42	SLU_dreno	Min	0.000294	0.000052	-0.068781	2.523E-06	0.001028
42	SLV_dreno	Max	0.027528	4.959E-06	-0.058995	1.203E-07	0.000788
42	SLV_dreno	Min	0.027528	4.959E-06	-0.058995	1.203E-07	0.000788
42	SLE_calotta	Max	0.000201	2.246E-06	-0.024774	1.112E-07	0.000767
42	SLE_calotta	Min	0.000201	2.246E-06	-0.024774	1.112E-07	0.000767
42	SLU_calotta	Max	0.000261	2.920E-06	-0.032206	1.446E-07	0.000997
42	SLU_calotta	Min	0.000261	2.920E-06	-0.032206	1.446E-07	0.000997
42	SLV_calotta	Max	0.038021	7.980E-06	-0.091019	2.207E-07	0.000263
42	SLV_calotta	Min	0.038021	7.980E-06	-0.091019	2.207E-07	0.000263

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
43	SLE_dreno	Max	0.000182	5.354E-06	-0.052483	2.427E-07	0.000812
43	SLE_dreno	Min	0.000182	5.354E-06	-0.052483	2.427E-07	0.000812
43	SLU_dreno	Max	0.000237	0.000056	-0.068233	2.523E-06	0.001055
43	SLU_dreno	Min	0.000237	0.000056	-0.068233	2.523E-06	0.001055
43	SLV_dreno	Max	0.027486	5.395E-06	-0.05857	1.203E-07	0.000809
43	SLV_dreno	Min	0.027486	5.395E-06	-0.05857	1.203E-07	0.000809
43	SLE_calotta	Max	0.00016	2.415E-06	-0.024359	1.112E-07	0.000799
43	SLE_calotta	Min	0.00016	2.415E-06	-0.024359	1.112E-07	0.000799
43	SLU_calotta	Max	0.000208	3.140E-06	-0.031667	1.446E-07	0.001038
43	SLU_calotta	Min	0.000208	3.140E-06	-0.031667	1.446E-07	0.001038
43	SLV_calotta	Max	0.038016	8.669E-06	-0.090864	2.207E-07	0.000282
43	SLV_calotta	Min	0.038016	8.669E-06	-0.090864	2.207E-07	0.000282
44	SLE_dreno	Max	0.000141	5.731E-06	-0.052062	2.427E-07	0.000802
44	SLE_dreno	Min	0.000141	5.731E-06	-0.052062	2.427E-07	0.000802
44	SLU_dreno	Max	0.000184	0.00006	-0.067685	2.523E-06	0.001043
44	SLU_dreno	Min	0.000184	0.00006	-0.067685	2.523E-06	0.001043
44	SLV_dreno	Max	0.027447	5.830E-06	-0.058147	1.203E-07	0.000797
44	SLV_dreno	Min	0.027447	5.830E-06	-0.058147	1.203E-07	0.000797
44	SLE_calotta	Max	0.000121	2.584E-06	-0.02394	1.112E-07	0.000797
44	SLE_calotta	Min	0.000121	2.584E-06	-0.02394	1.112E-07	0.000797
44	SLU_calotta	Max	0.000157	3.360E-06	-0.031122	1.446E-07	0.001036
44	SLU_calotta	Min	0.000157	3.360E-06	-0.031122	1.446E-07	0.001036
44	SLV_calotta	Max	0.038012	9.358E-06	-0.090707	2.207E-07	0.000279
44	SLV_calotta	Min	0.038012	9.358E-06	-0.090707	2.207E-07	0.000279
45	SLE_dreno	Max	0.000104	6.108E-06	-0.051653	2.427E-07	0.000774
45	SLE_dreno	Min	0.000104	6.108E-06	-0.051653	2.427E-07	0.000774
45	SLU_dreno	Max	0.000136	0.000063	-0.067153	2.523E-06	0.001007
45	SLU_dreno	Min	0.000136	0.000063	-0.067153	2.523E-06	0.001007
45	SLV_dreno	Max	0.027413	6.266E-06	-0.057739	1.203E-07	0.000764
45	SLV_dreno	Min	0.027413	6.266E-06	-0.057739	1.203E-07	0.000764
45	SLE_calotta	Max	0.000086	2.753E-06	-0.023531	1.112E-07	0.000774
45	SLE_calotta	Min	0.000086	2.753E-06	-0.023531	1.112E-07	0.000774
45	SLU_calotta	Max	0.000112	3.579E-06	-0.03059	1.446E-07	0.001006
45	SLU_calotta	Min	0.000112	3.579E-06	-0.03059	1.446E-07	0.001006
45	SLV_calotta	Max	0.038009	0.00001	-0.090559	2.207E-07	0.000262
45	SLV_calotta	Min	0.038009	0.00001	-0.090559	2.207E-07	0.000262
46	SLE_dreno	Max	0.000073	6.484E-06	-0.051263	2.427E-07	0.000733
46	SLE_dreno	Min	0.000073	6.484E-06	-0.051263	2.427E-07	0.000733
46	SLU_dreno	Max	0.000094	0.000067	-0.066646	2.523E-06	0.000953
46	SLU_dreno	Min	0.000094	0.000067	-0.066646	2.523E-06	0.000953
46	SLV_dreno	Max	0.027384	6.701E-06	-0.057353	1.203E-07	0.000717
46	SLV_dreno	Min	0.027384	6.701E-06	-0.057353	1.203E-07	0.000717
46	SLE_calotta	Max	0.000056	2.921E-06	-0.023139	1.112E-07	0.000737
46	SLE_calotta	Min	0.000056	2.921E-06	-0.023139	1.112E-07	0.000737
46	SLU_calotta	Max	0.000073	3.798E-06	-0.030081	1.446E-07	0.000958
46	SLU_calotta	Min	0.000073	3.798E-06	-0.030081	1.446E-07	0.000958
46	SLV_calotta	Max	0.038008	0.000011	-0.090422	2.207E-07	0.000237
46	SLV_calotta	Min	0.038008	0.000011	-0.090422	2.207E-07	0.000237
47	SLE_dreno	Max	0.000046	6.859E-06	-0.050898	2.427E-07	0.000684
47	SLE_dreno	Min	0.000046	6.859E-06	-0.050898	2.427E-07	0.000684
47	SLU_dreno	Max	0.00006	0.000071	-0.066172	2.523E-06	0.000889
47	SLU_dreno	Min	0.00006	0.000071	-0.066172	2.523E-06	0.000889
47	SLV_dreno	Max	0.02736	7.136E-06	-0.056996	1.203E-07	0.000661
47	SLV_dreno	Min	0.02736	7.136E-06	-0.056996	1.203E-07	0.000661
47	SLE_calotta	Max	0.000031	3.089E-06	-0.022771	1.112E-07	0.000689
47	SLE_calotta	Min	0.000031	3.089E-06	-0.022771	1.112E-07	0.000689
47	SLU_calotta	Max	0.00004	4.016E-06	-0.029602	1.446E-07	0.000896
47	SLU_calotta	Min	0.00004	4.016E-06	-0.029602	1.446E-07	0.000896
47	SLV_calotta	Max	0.03801	0.000011	-0.090301	2.207E-07	0.000207

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
47	SLV_calotta	Min	0.03801	0.000011	-0.090301	2.207E-07	0.000207
48	SLE_dreno	Max	0.000024	7.234E-06	-0.05056	2.427E-07	0.00063
48	SLE_dreno	Min	0.000024	7.234E-06	-0.05056	2.427E-07	0.00063
48	SLU_dreno	Max	0.000031	0.000075	-0.065732	2.523E-06	0.000819
48	SLU_dreno	Min	0.000031	0.000075	-0.065732	2.523E-06	0.000819
48	SLV_dreno	Max	0.027341	7.571E-06	-0.05667	1.203E-07	0.0006
48	SLV_dreno	Min	0.027341	7.571E-06	-0.05667	1.203E-07	0.0006
48	SLE_calotta	Max	0.000011	3.257E-06	-0.022429	1.112E-07	0.000637
48	SLE_calotta	Min	0.000011	3.257E-06	-0.022429	1.112E-07	0.000637
48	SLU_calotta	Max	0.000014	4.234E-06	-0.029157	1.446E-07	0.000828
48	SLU_calotta	Min	0.000014	4.234E-06	-0.029157	1.446E-07	0.000828
48	SLV_calotta	Max	0.038013	0.000012	-0.090198	2.207E-07	0.000173
48	SLV_calotta	Min	0.038013	0.000012	-0.090198	2.207E-07	0.000173
49	SLE_dreno	Max	7.313E-06	7.608E-06	-0.050252	2.427E-07	0.000572
49	SLE_dreno	Min	7.313E-06	7.608E-06	-0.050252	2.427E-07	0.000572
49	SLU_dreno	Max	9.567E-06	0.000079	-0.065331	2.523E-06	0.000743
49	SLU_dreno	Min	9.567E-06	0.000079	-0.065331	2.523E-06	0.000743
49	SLV_dreno	Max	0.027328	8.006E-06	-0.056377	1.203E-07	0.000534
49	SLV_dreno	Min	0.027328	8.006E-06	-0.056377	1.203E-07	0.000534
49	SLE_calotta	Max	-4.967E-06	3.424E-06	-0.022116	1.112E-07	0.000579
49	SLE_calotta	Min	-4.967E-06	3.424E-06	-0.022116	1.112E-07	0.000579
49	SLU_calotta	Max	-6.461E-06	4.452E-06	-0.028751	1.446E-07	0.000753
49	SLU_calotta	Min	-6.461E-06	4.452E-06	-0.028751	1.446E-07	0.000753
49	SLV_calotta	Max	0.038018	0.000013	-0.090113	2.207E-07	0.000137
49	SLV_calotta	Min	0.038018	0.000013	-0.090113	2.207E-07	0.000137
50	SLE_dreno	Max	-5.122E-06	7.981E-06	-0.049974	2.427E-07	0.000512
50	SLE_dreno	Min	-5.122E-06	7.981E-06	-0.049974	2.427E-07	0.000512
50	SLU_dreno	Max	-6.601E-06	0.000083	-0.06497	2.523E-06	0.000665
50	SLU_dreno	Min	-6.601E-06	0.000083	-0.06497	2.523E-06	0.000665
50	SLV_dreno	Max	0.027319	8.440E-06	-0.056118	1.203E-07	0.000467
50	SLV_dreno	Min	0.027319	8.440E-06	-0.056118	1.203E-07	0.000467
50	SLE_calotta	Max	-0.000016	3.591E-06	-0.021834	1.112E-07	0.000519
50	SLE_calotta	Min	-0.000016	3.591E-06	-0.021834	1.112E-07	0.000519
50	SLU_calotta	Max	-0.000021	4.669E-06	-0.028384	1.446E-07	0.000675
50	SLU_calotta	Min	-0.000021	4.669E-06	-0.028384	1.446E-07	0.000675
50	SLV_calotta	Max	0.038025	0.000013	-0.090048	2.207E-07	0.000099
50	SLV_calotta	Min	0.038025	0.000013	-0.090048	2.207E-07	0.000099
51	SLE_dreno	Max	-0.000014	8.354E-06	-0.049728	2.427E-07	0.00045
51	SLE_dreno	Min	-0.000014	8.354E-06	-0.049728	2.427E-07	0.00045
51	SLU_dreno	Max	-0.000018	0.000087	-0.06465	2.523E-06	0.000585
51	SLU_dreno	Min	-0.000018	0.000087	-0.06465	2.523E-06	0.000585
51	SLV_dreno	Max	0.027314	8.875E-06	-0.055895	1.203E-07	0.000397
51	SLV_dreno	Min	0.027314	8.875E-06	-0.055895	1.203E-07	0.000397
51	SLE_calotta	Max	-0.000023	3.758E-06	-0.021583	1.112E-07	0.000457
51	SLE_calotta	Min	-0.000023	3.758E-06	-0.021583	1.112E-07	0.000457
51	SLU_calotta	Max	-0.00003	4.885E-06	-0.028058	1.446E-07	0.000594
51	SLU_calotta	Min	-0.00003	4.885E-06	-0.028058	1.446E-07	0.000594
51	SLV_calotta	Max	0.038034	0.000014	-0.090002	2.207E-07	0.000061
51	SLV_calotta	Min	0.038034	0.000014	-0.090002	2.207E-07	0.000061
52	SLE_dreno	Max	-0.000018	8.725E-06	-0.049514	2.427E-07	0.000387
52	SLE_dreno	Min	-0.000018	8.725E-06	-0.049514	2.427E-07	0.000387
52	SLU_dreno	Max	-0.000024	0.000091	-0.064372	2.523E-06	0.000503
52	SLU_dreno	Min	-0.000024	0.000091	-0.064372	2.523E-06	0.000503
52	SLV_dreno	Max	0.027312	9.309E-06	-0.055708	1.203E-07	0.000327
52	SLV_dreno	Min	0.027312	9.309E-06	-0.055708	1.203E-07	0.000327
52	SLE_calotta	Max	-0.000027	3.924E-06	-0.021365	1.112E-07	0.000393
52	SLE_calotta	Min	-0.000027	3.924E-06	-0.021365	1.112E-07	0.000393
52	SLU_calotta	Max	-0.000035	5.102E-06	-0.027775	1.446E-07	0.000511
52	SLU_calotta	Min	-0.000035	5.102E-06	-0.027775	1.446E-07	0.000511

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
52	SLV_calotta	Max	0.038044	0.000015	-0.089977	2.207E-07	0.000022
52	SLV_calotta	Min	0.038044	0.000015	-0.089977	2.207E-07	0.000022
53	SLE_dreno	Max	-0.00002	9.096E-06	-0.049332	2.427E-07	0.000323
53	SLE_dreno	Min	-0.00002	9.096E-06	-0.049332	2.427E-07	0.000323
53	SLU_dreno	Max	-0.000026	0.000095	-0.064135	2.523E-06	0.00042
53	SLU_dreno	Min	-0.000026	0.000095	-0.064135	2.523E-06	0.00042
53	SLV_dreno	Max	0.027314	9.742E-06	-0.055557	1.203E-07	0.000256
53	SLV_dreno	Min	0.027314	9.742E-06	-0.055557	1.203E-07	0.000256
53	SLE_calotta	Max	-0.000027	4.090E-06	-0.02118	1.112E-07	0.000329
53	SLE_calotta	Min	-0.000027	4.090E-06	-0.02118	1.112E-07	0.000329
53	SLU_calotta	Max	-0.000035	5.317E-06	-0.027534	1.446E-07	0.000427
53	SLU_calotta	Min	-0.000035	5.317E-06	-0.027534	1.446E-07	0.000427
53	SLV_calotta	Max	0.038055	0.000016	-0.089971	2.207E-07	-0.000017
53	SLV_calotta	Min	0.038055	0.000016	-0.089971	2.207E-07	-0.000017
54	SLE_dreno	Max	-0.000019	9.466E-06	-0.049183	2.427E-07	0.000259
54	SLE_dreno	Min	-0.000019	9.466E-06	-0.049183	2.427E-07	0.000259
54	SLU_dreno	Max	-0.000025	0.000098	-0.063942	2.523E-06	0.000337
54	SLU_dreno	Min	-0.000025	0.000098	-0.063942	2.523E-06	0.000337
54	SLV_dreno	Max	0.027318	0.00001	-0.055443	1.203E-07	0.000185
54	SLV_dreno	Min	0.027318	0.00001	-0.055443	1.203E-07	0.000185
54	SLE_calotta	Max	-0.000025	4.256E-06	-0.021029	1.112E-07	0.000264
54	SLE_calotta	Min	-0.000025	4.256E-06	-0.021029	1.112E-07	0.000264
54	SLU_calotta	Max	-0.000032	5.532E-06	-0.027337	1.446E-07	0.000343
54	SLU_calotta	Min	-0.000032	5.532E-06	-0.027337	1.446E-07	0.000343
54	SLV_calotta	Max	0.038066	0.000016	-0.089986	2.207E-07	-0.000056
54	SLV_calotta	Min	0.038066	0.000016	-0.089986	2.207E-07	-0.000056
55	SLE_dreno	Max	-0.000016	9.835E-06	-0.049067	2.427E-07	0.000194
55	SLE_dreno	Min	-0.000016	9.835E-06	-0.049067	2.427E-07	0.000194
55	SLU_dreno	Max	-0.000021	0.000102	-0.063791	2.523E-06	0.000253
55	SLU_dreno	Min	-0.000021	0.000102	-0.063791	2.523E-06	0.000253
55	SLV_dreno	Max	0.027323	0.000011	-0.055365	1.203E-07	0.000114
55	SLV_dreno	Min	0.027323	0.000011	-0.055365	1.203E-07	0.000114
55	SLE_calotta	Max	-0.00002	4.421E-06	-0.02091	1.112E-07	0.000198
55	SLE_calotta	Min	-0.00002	4.421E-06	-0.02091	1.112E-07	0.000198
55	SLU_calotta	Max	-0.000027	5.747E-06	-0.027184	1.446E-07	0.000257
55	SLU_calotta	Min	-0.000027	5.747E-06	-0.027184	1.446E-07	0.000257
55	SLV_calotta	Max	0.038078	0.000017	-0.090021	2.207E-07	-0.000095
55	SLV_calotta	Min	0.038078	0.000017	-0.090021	2.207E-07	-0.000095
56	SLE_dreno	Max	-0.000012	0.00001	-0.048985	2.427E-07	0.00013
56	SLE_dreno	Min	-0.000012	0.00001	-0.048985	2.427E-07	0.00013
56	SLU_dreno	Max	-0.000015	0.000106	-0.063684	2.523E-06	0.000169
56	SLU_dreno	Min	-0.000015	0.000106	-0.063684	2.523E-06	0.000169
56	SLV_dreno	Max	0.027331	0.000011	-0.055323	1.203E-07	0.000043
56	SLV_dreno	Min	0.027331	0.000011	-0.055323	1.203E-07	0.000043
56	SLE_calotta	Max	-0.000015	4.585E-06	-0.020826	1.112E-07	0.000132
56	SLE_calotta	Min	-0.000015	4.585E-06	-0.020826	1.112E-07	0.000132
56	SLU_calotta	Max	-0.000019	5.961E-06	-0.027074	1.446E-07	0.000172
56	SLU_calotta	Min	-0.000019	5.961E-06	-0.027074	1.446E-07	0.000172
56	SLV_calotta	Max	0.03809	0.000018	-0.090075	2.207E-07	-0.000133
56	SLV_calotta	Min	0.03809	0.000018	-0.090075	2.207E-07	-0.000133
57	SLE_dreno	Max	-6.142E-06	0.000011	-0.048935	2.427E-07	0.000065
57	SLE_dreno	Min	-6.142E-06	0.000011	-0.048935	2.427E-07	0.000065
57	SLU_dreno	Max	-7.932E-06	0.00011	-0.063619	2.523E-06	0.000085
57	SLU_dreno	Min	-7.932E-06	0.00011	-0.063619	2.523E-06	0.000085
57	SLV_dreno	Max	0.027338	0.000011	-0.055318	1.203E-07	-0.000027
57	SLV_dreno	Min	0.027338	0.000011	-0.055318	1.203E-07	-0.000027
57	SLE_calotta	Max	-7.536E-06	4.750E-06	-0.020775	1.112E-07	0.000066
57	SLE_calotta	Min	-7.536E-06	4.750E-06	-0.020775	1.112E-07	0.000066
57	SLU_calotta	Max	-9.802E-06	6.175E-06	-0.027008	1.446E-07	0.000086

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
57	SLU_calotta	Min	-9.802E-06	6.175E-06	-0.027008	1.446E-07	0.000086
57	SLV_calotta	Max	0.038101	0.000018	-0.09015	2.207E-07	-0.000172
57	SLV_calotta	Min	0.038101	0.000018	-0.09015	2.207E-07	-0.000172
58	SLE_dreno	Max	-4.018E-08	0.000011	-0.048918	2.427E-07	5.939E-11
58	SLE_dreno	Min	-4.018E-08	0.000011	-0.048918	2.427E-07	5.939E-11
58	SLU_dreno	Max	1.346E-13	0.000114	-0.063597	2.523E-06	-2.351E-14
58	SLU_dreno	Min	1.346E-13	0.000114	-0.063597	2.523E-06	-2.351E-14
58	SLV_dreno	Max	0.027347	0.000012	-0.055348	1.203E-07	-0.000098
58	SLV_dreno	Min	0.027347	0.000012	-0.055348	1.203E-07	-0.000098
58	SLE_calotta	Max	3.125E-09	4.913E-06	-0.020758	1.112E-07	-1.566E-10
58	SLE_calotta	Min	3.125E-09	4.913E-06	-0.020758	1.112E-07	-1.566E-10
58	SLU_calotta	Max	-5.474E-13	6.388E-06	-0.026985	1.446E-07	1.449E-13
58	SLU_calotta	Min	-5.474E-13	6.388E-06	-0.026985	1.446E-07	1.449E-13
58	SLV_calotta	Max	0.038113	0.000019	-0.090244	2.207E-07	-0.00021
58	SLV_calotta	Min	0.038113	0.000019	-0.090244	2.207E-07	-0.00021
59	SLE_dreno	Max	6.062E-06	0.000011	-0.048935	2.427E-07	-0.000065
59	SLE_dreno	Min	6.062E-06	0.000011	-0.048935	2.427E-07	-0.000065
59	SLU_dreno	Max	7.932E-06	0.000117	-0.063619	2.523E-06	-0.000085
59	SLU_dreno	Min	7.932E-06	0.000117	-0.063619	2.523E-06	-0.000085
59	SLV_dreno	Max	0.027354	0.000012	-0.055416	1.203E-07	-0.000169
59	SLV_dreno	Min	0.027354	0.000012	-0.055416	1.203E-07	-0.000169
59	SLE_calotta	Max	7.543E-06	5.077E-06	-0.020775	1.112E-07	-0.000066
59	SLE_calotta	Min	7.543E-06	5.077E-06	-0.020775	1.112E-07	-0.000066
59	SLU_calotta	Max	9.802E-06	6.600E-06	-0.027008	1.446E-07	-0.000086
59	SLU_calotta	Min	9.802E-06	6.600E-06	-0.027008	1.446E-07	-0.000086
59	SLV_calotta	Max	0.038123	0.00002	-0.090358	2.207E-07	-0.000248
59	SLV_calotta	Min	0.038123	0.00002	-0.090358	2.207E-07	-0.000248
60	SLE_dreno	Max	0.000012	0.000012	-0.048985	2.427E-07	-0.00013
60	SLE_dreno	Min	0.000012	0.000012	-0.048985	2.427E-07	-0.00013
60	SLU_dreno	Max	0.000015	0.000121	-0.063684	2.523E-06	-0.000169
60	SLU_dreno	Min	0.000015	0.000121	-0.063684	2.523E-06	-0.000169
60	SLV_dreno	Max	0.027361	0.000013	-0.055519	1.203E-07	-0.000239
60	SLV_dreno	Min	0.027361	0.000013	-0.055519	1.203E-07	-0.000239
60	SLE_calotta	Max	0.000015	5.240E-06	-0.020826	1.112E-07	-0.000132
60	SLE_calotta	Min	0.000015	5.240E-06	-0.020826	1.112E-07	-0.000132
60	SLU_calotta	Max	0.000019	6.812E-06	-0.027074	1.446E-07	-0.000172
60	SLU_calotta	Min	0.000019	6.812E-06	-0.027074	1.446E-07	-0.000172
60	SLV_calotta	Max	0.038132	0.00002	-0.090491	2.207E-07	-0.000286
60	SLV_calotta	Min	0.038132	0.00002	-0.090491	2.207E-07	-0.000286
61	SLE_dreno	Max	0.000016	0.000012	-0.049067	2.427E-07	-0.000194
61	SLE_dreno	Min	0.000016	0.000012	-0.049067	2.427E-07	-0.000194
61	SLU_dreno	Max	0.000021	0.000125	-0.063791	2.523E-06	-0.000253
61	SLU_dreno	Min	0.000021	0.000125	-0.063791	2.523E-06	-0.000253
61	SLV_dreno	Max	0.027366	0.000013	-0.055657	1.203E-07	-0.000308
61	SLV_dreno	Min	0.027366	0.000013	-0.055657	1.203E-07	-0.000308
61	SLE_calotta	Max	0.00002	5.402E-06	-0.02091	1.112E-07	-0.000198
61	SLE_calotta	Min	0.00002	5.402E-06	-0.02091	1.112E-07	-0.000198
61	SLU_calotta	Max	0.000027	7.023E-06	-0.027184	1.446E-07	-0.000257
61	SLU_calotta	Min	0.000027	7.023E-06	-0.027184	1.446E-07	-0.000257
61	SLV_calotta	Max	0.03814	0.000021	-0.090644	2.207E-07	-0.000323
61	SLV_calotta	Min	0.03814	0.000021	-0.090644	2.207E-07	-0.000323
62	SLE_dreno	Max	0.000019	0.000012	-0.049183	2.427E-07	-0.000259
62	SLE_dreno	Min	0.000019	0.000012	-0.049183	2.427E-07	-0.000259
62	SLU_dreno	Max	0.000025	0.000129	-0.063942	2.523E-06	-0.000337
62	SLU_dreno	Min	0.000025	0.000129	-0.063942	2.523E-06	-0.000337
62	SLV_dreno	Max	0.027369	0.000014	-0.055832	1.203E-07	-0.000378
62	SLV_dreno	Min	0.027369	0.000014	-0.055832	1.203E-07	-0.000378
62	SLE_calotta	Max	0.000025	5.564E-06	-0.021029	1.112E-07	-0.000264
62	SLE_calotta	Min	0.000025	5.564E-06	-0.021029	1.112E-07	-0.000264

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
62	SLU_calotta	Max	0.000032	7.233E-06	-0.027337	1.446E-07	-0.000343
62	SLU_calotta	Min	0.000032	7.233E-06	-0.027337	1.446E-07	-0.000343
62	SLV_calotta	Max	0.038146	0.000022	-0.090815	2.207E-07	-0.00036
62	SLV_calotta	Min	0.038146	0.000022	-0.090815	2.207E-07	-0.00036
63	SLE_dreno	Max	0.00002	0.000013	-0.049332	2.427E-07	-0.000323
63	SLE_dreno	Min	0.00002	0.000013	-0.049332	2.427E-07	-0.000323
63	SLU_dreno	Max	0.000026	0.000133	-0.064135	2.523E-06	-0.00042
63	SLU_dreno	Min	0.000026	0.000133	-0.064135	2.523E-06	-0.00042
63	SLV_dreno	Max	0.02737	0.000014	-0.056041	1.203E-07	-0.000446
63	SLV_dreno	Min	0.02737	0.000014	-0.056041	1.203E-07	-0.000446
63	SLE_calotta	Max	0.000027	5.726E-06	-0.02118	1.112E-07	-0.000329
63	SLE_calotta	Min	0.000027	5.726E-06	-0.02118	1.112E-07	-0.000329
63	SLU_calotta	Max	0.000035	7.443E-06	-0.027534	1.446E-07	-0.000427
63	SLU_calotta	Min	0.000035	7.443E-06	-0.027534	1.446E-07	-0.000427
63	SLV_calotta	Max	0.03815	0.000022	-0.091005	2.207E-07	-0.000396
63	SLV_calotta	Min	0.03815	0.000022	-0.091005	2.207E-07	-0.000396
64	SLE_dreno	Max	0.000018	0.000013	-0.049514	2.427E-07	-0.000387
64	SLE_dreno	Min	0.000018	0.000013	-0.049514	2.427E-07	-0.000387
64	SLU_dreno	Max	0.000024	0.000136	-0.064372	2.523E-06	-0.000503
64	SLU_dreno	Min	0.000024	0.000136	-0.064372	2.523E-06	-0.000503
64	SLV_dreno	Max	0.027367	0.000014	-0.056286	1.203E-07	-0.000514
64	SLV_dreno	Min	0.027367	0.000014	-0.056286	1.203E-07	-0.000514
64	SLE_calotta	Max	0.000027	5.887E-06	-0.021365	1.112E-07	-0.000393
64	SLE_calotta	Min	0.000027	5.887E-06	-0.021365	1.112E-07	-0.000393
64	SLU_calotta	Max	0.000035	7.653E-06	-0.027775	1.446E-07	-0.000511
64	SLU_calotta	Min	0.000035	7.653E-06	-0.027775	1.446E-07	-0.000511
64	SLV_calotta	Max	0.038151	0.000023	-0.091214	2.207E-07	-0.000431
64	SLV_calotta	Min	0.038151	0.000023	-0.091214	2.207E-07	-0.000431
65	SLE_dreno	Max	0.000013	0.000013	-0.049728	2.427E-07	-0.00045
65	SLE_dreno	Min	0.000013	0.000013	-0.049728	2.427E-07	-0.00045
65	SLU_dreno	Max	0.000018	0.00014	-0.06465	2.523E-06	-0.000585
65	SLU_dreno	Min	0.000018	0.00014	-0.06465	2.523E-06	-0.000585
65	SLV_dreno	Max	0.02736	0.000015	-0.056564	1.203E-07	-0.00058
65	SLV_dreno	Min	0.02736	0.000015	-0.056564	1.203E-07	-0.00058
65	SLE_calotta	Max	0.000023	6.047E-06	-0.021583	1.112E-07	-0.000457
65	SLE_calotta	Min	0.000023	6.047E-06	-0.021583	1.112E-07	-0.000457
65	SLU_calotta	Max	0.00003	7.861E-06	-0.028058	1.446E-07	-0.000594
65	SLU_calotta	Min	0.00003	7.861E-06	-0.028058	1.446E-07	-0.000594
65	SLV_calotta	Max	0.03815	0.000024	-0.09144	2.207E-07	-0.000466
65	SLV_calotta	Min	0.03815	0.000024	-0.09144	2.207E-07	-0.000466
66	SLE_dreno	Max	5.042E-06	0.000014	-0.049974	2.427E-07	-0.000512
66	SLE_dreno	Min	5.042E-06	0.000014	-0.049974	2.427E-07	-0.000512
66	SLU_dreno	Max	6.601E-06	0.000144	-0.06497	2.523E-06	-0.000665
66	SLU_dreno	Min	6.601E-06	0.000144	-0.06497	2.523E-06	-0.000665
66	SLV_dreno	Max	0.02735	0.000015	-0.056877	1.203E-07	-0.000644
66	SLV_dreno	Min	0.02735	0.000015	-0.056877	1.203E-07	-0.000644
66	SLE_calotta	Max	0.000016	6.207E-06	-0.021834	1.112E-07	-0.000519
66	SLE_calotta	Min	0.000016	6.207E-06	-0.021834	1.112E-07	-0.000519
66	SLU_calotta	Max	0.000021	8.069E-06	-0.028384	1.446E-07	-0.000675
66	SLU_calotta	Min	0.000021	8.069E-06	-0.028384	1.446E-07	-0.000675
66	SLV_calotta	Max	0.038147	0.000024	-0.091685	2.207E-07	-0.000499
66	SLV_calotta	Min	0.038147	0.000024	-0.091685	2.207E-07	-0.000499
67	SLE_dreno	Max	-7.393E-06	0.000014	-0.050252	2.427E-07	-0.000572
67	SLE_dreno	Min	-7.393E-06	0.000014	-0.050252	2.427E-07	-0.000572
67	SLU_dreno	Max	-9.567E-06	0.000147	-0.065331	2.523E-06	-0.000743
67	SLU_dreno	Min	-9.567E-06	0.000147	-0.065331	2.523E-06	-0.000743
67	SLV_dreno	Max	0.027335	0.000016	-0.057222	1.203E-07	-0.000706
67	SLV_dreno	Min	0.027335	0.000016	-0.057222	1.203E-07	-0.000706
67	SLE_calotta	Max	4.973E-06	6.366E-06	-0.022116	1.112E-07	-0.000579

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
67	SLE_calotta	Min	4.973E-06	6.366E-06	-0.022116	1.112E-07	-0.000579
67	SLU_calotta	Max	6.461E-06	8.276E-06	-0.028751	1.446E-07	-0.000753
67	SLU_calotta	Min	6.461E-06	8.276E-06	-0.028751	1.446E-07	-0.000753
67	SLV_calotta	Max	0.03814	0.000025	-0.091945	2.207E-07	-0.00053
67	SLV_calotta	Min	0.03814	0.000025	-0.091945	2.207E-07	-0.00053
68	SLE_dreno	Max	-0.000024	0.000015	-0.05056	2.427E-07	-0.00063
68	SLE_dreno	Min	-0.000024	0.000015	-0.05056	2.427E-07	-0.00063
68	SLU_dreno	Max	-0.000031	0.000151	-0.065732	2.523E-06	-0.000819
68	SLU_dreno	Min	-0.000031	0.000151	-0.065732	2.523E-06	-0.000819
68	SLV_dreno	Max	0.027315	0.000016	-0.057599	1.203E-07	-0.000765
68	SLV_dreno	Min	0.027315	0.000016	-0.057599	1.203E-07	-0.000765
68	SLE_calotta	Max	-0.000011	6.525E-06	-0.022429	1.112E-07	-0.000637
68	SLE_calotta	Min	-0.000011	6.525E-06	-0.022429	1.112E-07	-0.000637
68	SLU_calotta	Max	-0.000014	8.483E-06	-0.029157	1.446E-07	-0.000828
68	SLU_calotta	Min	-0.000014	8.483E-06	-0.029157	1.446E-07	-0.000828
68	SLV_calotta	Max	0.03813	0.000026	-0.092222	2.207E-07	-0.000559
68	SLV_calotta	Min	0.03813	0.000026	-0.092222	2.207E-07	-0.000559
69	SLE_dreno	Max	-0.000046	0.000015	-0.050898	2.427E-07	-0.000684
69	SLE_dreno	Min	-0.000046	0.000015	-0.050898	2.427E-07	-0.000684
69	SLU_dreno	Max	-0.00006	0.000155	-0.066172	2.523E-06	-0.000889
69	SLU_dreno	Min	-0.00006	0.000155	-0.066172	2.523E-06	-0.000889
69	SLV_dreno	Max	0.027289	0.000017	-0.058005	1.203E-07	-0.000819
69	SLV_dreno	Min	0.027289	0.000017	-0.058005	1.203E-07	-0.000819
69	SLE_calotta	Max	-0.000031	6.684E-06	-0.022771	1.112E-07	-0.000689
69	SLE_calotta	Min	-0.000031	6.684E-06	-0.022771	1.112E-07	-0.000689
69	SLU_calotta	Max	-0.00004	8.689E-06	-0.029602	1.446E-07	-0.000896
69	SLU_calotta	Min	-0.00004	8.689E-06	-0.029602	1.446E-07	-0.000896
69	SLV_calotta	Max	0.038117	0.000026	-0.092514	2.207E-07	-0.000585
69	SLV_calotta	Min	0.038117	0.000026	-0.092514	2.207E-07	-0.000585
70	SLE_dreno	Max	-0.000073	0.000015	-0.051263	2.427E-07	-0.000733
70	SLE_dreno	Min	-0.000073	0.000015	-0.051263	2.427E-07	-0.000733
70	SLU_dreno	Max	-0.000094	0.000158	-0.066646	2.523E-06	-0.000953
70	SLU_dreno	Min	-0.000094	0.000158	-0.066646	2.523E-06	-0.000953
70	SLV_dreno	Max	0.027258	0.000017	-0.058438	1.203E-07	-0.000866
70	SLV_dreno	Min	0.027258	0.000017	-0.058438	1.203E-07	-0.000866
70	SLE_calotta	Max	-0.000056	6.841E-06	-0.023139	1.112E-07	-0.000737
70	SLE_calotta	Min	-0.000056	6.841E-06	-0.023139	1.112E-07	-0.000737
70	SLU_calotta	Max	-0.000073	8.894E-06	-0.030081	1.446E-07	-0.000958
70	SLU_calotta	Min	-0.000073	8.894E-06	-0.030081	1.446E-07	-0.000958
70	SLV_calotta	Max	0.038101	0.000027	-0.092818	2.207E-07	-0.000606
70	SLV_calotta	Min	0.038101	0.000027	-0.092818	2.207E-07	-0.000606
71	SLE_dreno	Max	-0.000104	0.000016	-0.051653	2.427E-07	-0.000774
71	SLE_dreno	Min	-0.000104	0.000016	-0.051653	2.427E-07	-0.000774
71	SLU_dreno	Max	-0.000136	0.000162	-0.067153	2.523E-06	-0.001007
71	SLU_dreno	Min	-0.000136	0.000162	-0.067153	2.523E-06	-0.001007
71	SLV_dreno	Max	0.027222	0.000017	-0.058895	1.203E-07	-0.000904
71	SLV_dreno	Min	0.027222	0.000017	-0.058895	1.203E-07	-0.000904
71	SLE_calotta	Max	-0.000086	6.998E-06	-0.023531	1.112E-07	-0.000774
71	SLE_calotta	Min	-0.000086	6.998E-06	-0.023531	1.112E-07	-0.000774
71	SLU_calotta	Max	-0.000112	9.098E-06	-0.03059	1.446E-07	-0.001006
71	SLU_calotta	Min	-0.000112	9.098E-06	-0.03059	1.446E-07	-0.001006
71	SLV_calotta	Max	0.038082	0.000028	-0.093133	2.207E-07	-0.000621
71	SLV_calotta	Min	0.038082	0.000028	-0.093133	2.207E-07	-0.000621
72	SLE_dreno	Max	-0.000141	0.000016	-0.052062	2.427E-07	-0.000802
72	SLE_dreno	Min	-0.000141	0.000016	-0.052062	2.427E-07	-0.000802
72	SLU_dreno	Max	-0.000184	0.000166	-0.067685	2.523E-06	-0.001043
72	SLU_dreno	Min	-0.000184	0.000166	-0.067685	2.523E-06	-0.001043
72	SLV_dreno	Max	0.02718	0.000018	-0.059368	1.203E-07	-0.000925
72	SLV_dreno	Min	0.02718	0.000018	-0.059368	1.203E-07	-0.000925



**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
72	SLE_calotta	Max	-0.000121	7.155E-06	-0.02394	1.112E-07	-0.000797
72	SLE_calotta	Min	-0.000121	7.155E-06	-0.02394	1.112E-07	-0.000797
72	SLU_calotta	Max	-0.000157	9.301E-06	-0.031122	1.446E-07	-0.001036
72	SLU_calotta	Min	-0.000157	9.301E-06	-0.031122	1.446E-07	-0.001036
72	SLV_calotta	Max	0.03806	0.000028	-0.093454	2.207E-07	-0.000625
72	SLV_calotta	Min	0.03806	0.000028	-0.093454	2.207E-07	-0.000625
73	SLE_dreno	Max	-0.000182	0.000016	-0.052483	2.427E-07	-0.000812
73	SLE_dreno	Min	-0.000182	0.000016	-0.052483	2.427E-07	-0.000812
73	SLU_dreno	Max	-0.000237	0.000169	-0.068233	2.523E-06	-0.001055
73	SLU_dreno	Min	-0.000237	0.000169	-0.068233	2.523E-06	-0.001055
73	SLV_dreno	Max	0.027135	0.000018	-0.05985	1.203E-07	-0.000923
73	SLV_dreno	Min	0.027135	0.000018	-0.05985	1.203E-07	-0.000923
73	SLE_calotta	Max	-0.00016	7.311E-06	-0.024359	1.112E-07	-0.000799
73	SLE_calotta	Min	-0.00016	7.311E-06	-0.024359	1.112E-07	-0.000799
73	SLU_calotta	Max	-0.000208	9.504E-06	-0.031667	1.446E-07	-0.001038
73	SLU_calotta	Min	-0.000208	9.504E-06	-0.031667	1.446E-07	-0.001038
73	SLV_calotta	Max	0.038035	0.000029	-0.093775	2.207E-07	-0.000613
73	SLV_calotta	Min	0.038035	0.000029	-0.093775	2.207E-07	-0.000613
74	SLE_dreno	Max	-0.000226	0.000017	-0.052905	2.427E-07	-0.00079
74	SLE_dreno	Min	-0.000226	0.000017	-0.052905	2.427E-07	-0.00079
74	SLU_dreno	Max	-0.000294	0.000173	-0.068781	2.523E-06	-0.001028
74	SLU_dreno	Min	-0.000294	0.000173	-0.068781	2.523E-06	-0.001028
74	SLV_dreno	Max	0.027086	0.000019	-0.060326	1.203E-07	-0.000886
74	SLV_dreno	Min	0.027086	0.000019	-0.060326	1.203E-07	-0.000886
74	SLE_calotta	Max	-0.000201	7.466E-06	-0.024774	1.112E-07	-0.000767
74	SLE_calotta	Min	-0.000201	7.466E-06	-0.024774	1.112E-07	-0.000767
74	SLU_calotta	Max	-0.000261	9.706E-06	-0.032206	1.446E-07	-0.000997
74	SLU_calotta	Min	-0.000261	9.706E-06	-0.032206	1.446E-07	-0.000997
74	SLV_calotta	Max	0.03801	0.00003	-0.094087	2.207E-07	-0.000578
74	SLV_calotta	Min	0.03801	0.00003	-0.094087	2.207E-07	-0.000578
75	SLE_dreno	Max	-0.000271	0.000017	-0.05331	2.427E-07	-0.00072
75	SLE_dreno	Min	-0.000271	0.000017	-0.05331	2.427E-07	-0.00072
75	SLU_dreno	Max	-0.000352	0.000177	-0.069307	2.523E-06	-0.000936
75	SLU_dreno	Min	-0.000352	0.000177	-0.069307	2.523E-06	-0.000936
75	SLV_dreno	Max	0.027039	0.000019	-0.060775	1.203E-07	-0.000791
75	SLV_dreno	Min	0.027039	0.000019	-0.060775	1.203E-07	-0.000791
75	SLE_calotta	Max	-0.000241	7.621E-06	-0.025165	1.112E-07	-0.000679
75	SLE_calotta	Min	-0.000241	7.621E-06	-0.025165	1.112E-07	-0.000679
75	SLU_calotta	Max	-0.000313	9.907E-06	-0.032715	1.446E-07	-0.000883
75	SLU_calotta	Min	-0.000313	9.907E-06	-0.032715	1.446E-07	-0.000883
75	SLV_calotta	Max	0.037987	0.00003	-0.094377	2.207E-07	-0.000505
75	SLV_calotta	Min	0.037987	0.00003	-0.094377	2.207E-07	-0.000505
76	SLE_dreno	Max	-0.000315	0.000017	-0.053676	2.427E-07	-0.000653
76	SLE_dreno	Min	-0.000315	0.000017	-0.053676	2.427E-07	-0.000653
76	SLU_dreno	Max	-0.000409	0.00018	-0.069783	2.523E-06	-0.000848
76	SLU_dreno	Min	-0.000409	0.00018	-0.069783	2.523E-06	-0.000848
76	SLV_dreno	Max	0.026993	0.00002	-0.061175	1.203E-07	-0.000707
76	SLV_dreno	Min	0.026993	0.00002	-0.061175	1.203E-07	-0.000707
76	SLE_calotta	Max	-0.00028	7.775E-06	-0.025511	1.112E-07	-0.000601
76	SLE_calotta	Min	-0.00028	7.775E-06	-0.025511	1.112E-07	-0.000601
76	SLU_calotta	Max	-0.000364	0.00001	-0.033165	1.446E-07	-0.000781
76	SLU_calotta	Min	-0.000364	0.00001	-0.033165	1.446E-07	-0.000781
76	SLV_calotta	Max	0.037963	0.000031	-0.094631	2.207E-07	-0.000445
76	SLV_calotta	Min	0.037963	0.000031	-0.094631	2.207E-07	-0.000445
77	SLE_dreno	Max	-0.000355	0.000018	-0.054002	2.427E-07	-0.000536
77	SLE_dreno	Min	-0.000355	0.000018	-0.054002	2.427E-07	-0.000536
77	SLU_dreno	Max	-0.000461	0.000184	-0.070207	2.523E-06	-0.000697
77	SLU_dreno	Min	-0.000461	0.000184	-0.070207	2.523E-06	-0.000697
77	SLV_dreno	Max	0.026952	0.00002	-0.061525	1.203E-07	-0.000567

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
77	SLV_dreno	Min	0.026952	0.00002	-0.061525	1.203E-07	-0.000567
77	SLE_calotta	Max	-0.000314	7.929E-06	-0.025811	1.112E-07	-0.000469
77	SLE_calotta	Min	-0.000314	7.929E-06	-0.025811	1.112E-07	-0.000469
77	SLU_calotta	Max	-0.000408	0.00001	-0.033554	1.446E-07	-0.00061
77	SLU_calotta	Min	-0.000408	0.00001	-0.033554	1.446E-07	-0.00061
77	SLV_calotta	Max	0.037943	0.000032	-0.09485	2.207E-07	-0.000349
77	SLV_calotta	Min	0.037943	0.000032	-0.09485	2.207E-07	-0.000349
78	SLE_dreno	Max	-0.000582	0.000018	-0.054084	2.427E-07	-0.000494
78	SLE_dreno	Min	-0.000582	0.000018	-0.054084	2.427E-07	-0.000494
78	SLU_dreno	Max	-0.000757	0.000184	-0.070313	2.523E-06	-0.000642
78	SLU_dreno	Min	-0.000757	0.000184	-0.070313	2.523E-06	-0.000642
78	SLV_dreno	Max	0.026715	0.00002	-0.061611	1.203E-07	-0.000518
78	SLV_dreno	Min	0.026715	0.00002	-0.061611	1.203E-07	-0.000518
78	SLE_calotta	Max	-0.000506	7.923E-06	-0.025881	1.112E-07	-0.000423
78	SLE_calotta	Min	-0.000506	7.923E-06	-0.025881	1.112E-07	-0.000423
78	SLU_calotta	Max	-0.000657	0.00001	-0.033645	1.446E-07	-0.00055
78	SLU_calotta	Min	-0.000657	0.00001	-0.033645	1.446E-07	-0.00055
78	SLV_calotta	Max	0.037806	0.000032	-0.094906	2.207E-07	-0.000317
78	SLV_calotta	Min	0.037806	0.000032	-0.094906	2.207E-07	-0.000317
79	SLE_dreno	Max	-0.000792	0.000018	-0.05415	2.427E-07	-0.000444
79	SLE_dreno	Min	-0.000792	0.000018	-0.05415	2.427E-07	-0.000444
79	SLU_dreno	Max	-0.001029	0.000183	-0.070399	2.523E-06	-0.000577
79	SLU_dreno	Min	-0.001029	0.000183	-0.070399	2.523E-06	-0.000577
79	SLV_dreno	Max	0.0265	0.00002	-0.061681	1.203E-07	-0.000461
79	SLV_dreno	Min	0.0265	0.00002	-0.061681	1.203E-07	-0.000461
79	SLE_calotta	Max	-0.000677	7.909E-06	-0.025937	1.112E-07	-0.00037
79	SLE_calotta	Min	-0.000677	7.909E-06	-0.025937	1.112E-07	-0.00037
79	SLU_calotta	Max	-0.000881	0.00001	-0.033718	1.446E-07	-0.000481
79	SLU_calotta	Min	-0.000881	0.00001	-0.033718	1.446E-07	-0.000481
79	SLV_calotta	Max	0.037682	0.000032	-0.094953	2.207E-07	-0.000283
79	SLV_calotta	Min	0.037682	0.000032	-0.094953	2.207E-07	-0.000283
80	SLE_dreno	Max	-0.000978	0.000018	-0.054202	2.427E-07	-0.000385
80	SLE_dreno	Min	-0.000978	0.000018	-0.054202	2.427E-07	-0.000385
80	SLU_dreno	Max	-0.001272	0.000183	-0.070467	2.523E-06	-0.0005
80	SLU_dreno	Min	-0.001272	0.000183	-0.070467	2.523E-06	-0.0005
80	SLV_dreno	Max	0.026311	0.00002	-0.061735	1.203E-07	-0.000396
80	SLV_dreno	Min	0.026311	0.00002	-0.061735	1.203E-07	-0.000396
80	SLE_calotta	Max	-0.000826	7.888E-06	-0.02598	1.112E-07	-0.000312
80	SLE_calotta	Min	-0.000826	7.888E-06	-0.02598	1.112E-07	-0.000312
80	SLU_calotta	Max	-0.001074	0.00001	-0.033774	1.446E-07	-0.000405
80	SLU_calotta	Min	-0.001074	0.00001	-0.033774	1.446E-07	-0.000405
80	SLV_calotta	Max	0.037571	0.000032	-0.09499	2.207E-07	-0.000249
80	SLV_calotta	Min	0.037571	0.000032	-0.09499	2.207E-07	-0.000249
81	SLE_dreno	Max	-0.001125	0.000018	-0.054238	2.427E-07	-0.000325
81	SLE_dreno	Min	-0.001125	0.000018	-0.054238	2.427E-07	-0.000325
81	SLU_dreno	Max	-0.001463	0.000182	-0.070514	2.523E-06	-0.000422
81	SLU_dreno	Min	-0.001463	0.000182	-0.070514	2.523E-06	-0.000422
81	SLV_dreno	Max	0.026164	0.00002	-0.061773	1.203E-07	-0.000332
81	SLV_dreno	Min	0.026164	0.00002	-0.061773	1.203E-07	-0.000332
81	SLE_calotta	Max	-0.000938	7.862E-06	-0.02601	1.112E-07	-0.000255
81	SLE_calotta	Min	-0.000938	7.862E-06	-0.02601	1.112E-07	-0.000255
81	SLU_calotta	Max	-0.00122	0.00001	-0.033813	1.446E-07	-0.000331
81	SLU_calotta	Min	-0.00122	0.00001	-0.033813	1.446E-07	-0.000331
81	SLV_calotta	Max	0.037482	0.000032	-0.095018	2.207E-07	-0.00022
81	SLV_calotta	Min	0.037482	0.000032	-0.095018	2.207E-07	-0.00022
82	SLE_dreno	Max	-0.001246	0.000017	-0.054265	2.427E-07	-0.00026
82	SLE_dreno	Min	-0.001246	0.000017	-0.054265	2.427E-07	-0.00026
82	SLU_dreno	Max	-0.00162	0.000182	-0.070549	2.523E-06	-0.000338
82	SLU_dreno	Min	-0.00162	0.000182	-0.070549	2.523E-06	-0.000338

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
82	SLV_dreno	Max	0.026043	0.00002	-0.061801	1.203E-07	-0.000266
82	SLV_dreno	Min	0.026043	0.00002	-0.061801	1.203E-07	-0.000266
82	SLE_calotta	Max	-0.001027	7.830E-06	-0.026033	1.112E-07	-0.000196
82	SLE_calotta	Min	-0.001027	7.830E-06	-0.026033	1.112E-07	-0.000196
82	SLU_calotta	Max	-0.001335	0.00001	-0.033842	1.446E-07	-0.000254
82	SLU_calotta	Min	-0.001335	0.00001	-0.033842	1.446E-07	-0.000254
82	SLV_calotta	Max	0.037403	0.000032	-0.095041	2.207E-07	-0.000193
82	SLV_calotta	Min	0.037403	0.000032	-0.095041	2.207E-07	-0.000193
83	SLE_dreno	Max	-0.00134	0.000017	-0.054285	2.427E-07	-0.000194
83	SLE_dreno	Min	-0.00134	0.000017	-0.054285	2.427E-07	-0.000194
83	SLU_dreno	Max	-0.001742	0.000181	-0.070575	2.523E-06	-0.000252
83	SLU_dreno	Min	-0.001742	0.000181	-0.070575	2.523E-06	-0.000252
83	SLV_dreno	Max	0.025951	0.00002	-0.061823	1.203E-07	-0.0002
83	SLV_dreno	Min	0.025951	0.00002	-0.061823	1.203E-07	-0.0002
83	SLE_calotta	Max	-0.001092	7.791E-06	-0.02605	1.112E-07	-0.000138
83	SLE_calotta	Min	-0.001092	7.791E-06	-0.02605	1.112E-07	-0.000138
83	SLU_calotta	Max	-0.001419	0.00001	-0.033865	1.446E-07	-0.00018
83	SLU_calotta	Min	-0.001419	0.00001	-0.033865	1.446E-07	-0.00018
83	SLV_calotta	Max	0.037333	0.000032	-0.09506	2.207E-07	-0.000171
83	SLV_calotta	Min	0.037333	0.000032	-0.09506	2.207E-07	-0.000171
84	SLE_dreno	Max	-0.001406	0.000017	-0.0543	2.427E-07	-0.000129
84	SLE_dreno	Min	-0.001406	0.000017	-0.0543	2.427E-07	-0.000129
84	SLU_dreno	Max	-0.001828	0.00018	-0.070595	2.523E-06	-0.000168
84	SLU_dreno	Min	-0.001828	0.00018	-0.070595	2.523E-06	-0.000168
84	SLV_dreno	Max	0.025885	0.00002	-0.06184	1.203E-07	-0.000138
84	SLV_dreno	Min	0.025885	0.00002	-0.06184	1.203E-07	-0.000138
84	SLE_calotta	Max	-0.001133	7.746E-06	-0.026064	1.112E-07	-0.000084
84	SLE_calotta	Min	-0.001133	7.746E-06	-0.026064	1.112E-07	-0.000084
84	SLU_calotta	Max	-0.001473	0.00001	-0.033883	1.446E-07	-0.000109
84	SLU_calotta	Min	-0.001473	0.00001	-0.033883	1.446E-07	-0.000109
84	SLV_calotta	Max	0.037271	0.000032	-0.095076	2.207E-07	-0.000153
84	SLV_calotta	Min	0.037271	0.000032	-0.095076	2.207E-07	-0.000153
85	SLE_dreno	Max	-0.001449	0.000017	-0.054316	2.427E-07	-0.000059
85	SLE_dreno	Min	-0.001449	0.000017	-0.054316	2.427E-07	-0.000059
85	SLU_dreno	Max	-0.001884	0.000178	-0.070615	2.523E-06	-0.000077
85	SLU_dreno	Min	-0.001884	0.000178	-0.070615	2.523E-06	-0.000077
85	SLV_dreno	Max	0.025838	0.00002	-0.061857	1.203E-07	-0.000074
85	SLV_dreno	Min	0.025838	0.00002	-0.061857	1.203E-07	-0.000074
85	SLE_calotta	Max	-0.001155	7.688E-06	-0.026078	1.112E-07	-0.000029
85	SLE_calotta	Min	-0.001155	7.688E-06	-0.026078	1.112E-07	-0.000029
85	SLU_calotta	Max	-0.001501	9.995E-06	-0.033901	1.446E-07	-0.000037
85	SLU_calotta	Min	-0.001501	9.995E-06	-0.033901	1.446E-07	-0.000037
85	SLV_calotta	Max	0.037204	0.000032	-0.095091	2.207E-07	-0.000139
85	SLV_calotta	Min	0.037204	0.000032	-0.095091	2.207E-07	-0.000139
86	SLE_dreno	Max	-0.001461	0.000017	-0.05433	2.427E-07	2.353E-06
86	SLE_dreno	Min	-0.001461	0.000017	-0.05433	2.427E-07	2.353E-06
86	SLU_dreno	Max	-0.001899	0.000177	-0.070634	2.523E-06	3.054E-06
86	SLU_dreno	Min	-0.001899	0.000177	-0.070634	2.523E-06	3.054E-06
86	SLV_dreno	Max	0.02582	0.00002	-0.061873	1.203E-07	-0.000019
86	SLV_dreno	Min	0.02582	0.00002	-0.061873	1.203E-07	-0.000019
86	SLE_calotta	Max	-0.001153	7.627E-06	-0.026091	1.112E-07	0.000018
86	SLE_calotta	Min	-0.001153	7.627E-06	-0.026091	1.112E-07	0.000018
86	SLU_calotta	Max	-0.001499	9.916E-06	-0.033919	1.446E-07	0.000024
86	SLU_calotta	Min	-0.001499	9.916E-06	-0.033919	1.446E-07	0.000024
86	SLV_calotta	Max	0.03714	0.000031	-0.095104	2.207E-07	-0.000131
86	SLV_calotta	Min	0.03714	0.000031	-0.095104	2.207E-07	-0.000131
87	SLE_dreno	Max	-0.001445	0.000017	-0.054345	2.427E-07	0.000055
87	SLE_dreno	Min	-0.001445	0.000017	-0.054345	2.427E-07	0.000055
87	SLU_dreno	Max	-0.001879	0.000176	-0.070654	2.523E-06	0.000072

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
87	SLU_dreno	Min	-0.001879	0.000176	-0.070654	2.523E-06	0.000072
87	SLV_dreno	Max	0.025825	0.00002	-0.061889	1.203E-07	0.000026
87	SLV_dreno	Min	0.025825	0.00002	-0.061889	1.203E-07	0.000026
87	SLE_calotta	Max	-0.001132	7.563E-06	-0.026106	1.112E-07	0.000057
87	SLE_calotta	Min	-0.001132	7.563E-06	-0.026106	1.112E-07	0.000057
87	SLU_calotta	Max	-0.001471	9.832E-06	-0.033937	1.446E-07	0.000074
87	SLU_calotta	Min	-0.001471	9.832E-06	-0.033937	1.446E-07	0.000074
87	SLV_calotta	Max	0.037078	0.000031	-0.095115	2.207E-07	-0.000125
87	SLV_calotta	Min	0.037078	0.000031	-0.095115	2.207E-07	-0.000125
88	SLE_dreno	Max	-0.001406	0.000017	-0.054362	2.427E-07	0.000098
88	SLE_dreno	Min	-0.001406	0.000017	-0.054362	2.427E-07	0.000098
88	SLU_dreno	Max	-0.001828	0.000174	-0.070675	2.523E-06	0.000128
88	SLU_dreno	Min	-0.001828	0.000174	-0.070675	2.523E-06	0.000128
88	SLV_dreno	Max	0.025848	0.00002	-0.061905	1.203E-07	0.000062
88	SLV_dreno	Min	0.025848	0.00002	-0.061905	1.203E-07	0.000062
88	SLE_calotta	Max	-0.001094	7.495E-06	-0.026121	1.112E-07	0.000088
88	SLE_calotta	Min	-0.001094	7.495E-06	-0.026121	1.112E-07	0.000088
88	SLU_calotta	Max	-0.001422	9.743E-06	-0.033957	1.446E-07	0.000114
88	SLU_calotta	Min	-0.001422	9.743E-06	-0.033957	1.446E-07	0.000114
88	SLV_calotta	Max	0.037016	0.000031	-0.095123	2.207E-07	-0.000121
88	SLV_calotta	Min	0.037016	0.000031	-0.095123	2.207E-07	-0.000121
89	SLE_dreno	Max	-0.001349	0.000017	-0.054379	2.427E-07	0.000133
89	SLE_dreno	Min	-0.001349	0.000017	-0.054379	2.427E-07	0.000133
89	SLU_dreno	Max	-0.001754	0.000172	-0.070698	2.523E-06	0.000173
89	SLU_dreno	Min	-0.001754	0.000172	-0.070698	2.523E-06	0.000173
89	SLV_dreno	Max	0.025886	0.00002	-0.061922	1.203E-07	0.00009
89	SLV_dreno	Min	0.025886	0.00002	-0.061922	1.203E-07	0.00009
89	SLE_calotta	Max	-0.001044	7.423E-06	-0.026137	1.112E-07	0.000112
89	SLE_calotta	Min	-0.001044	7.423E-06	-0.026137	1.112E-07	0.000112
89	SLU_calotta	Max	-0.001358	9.650E-06	-0.033978	1.446E-07	0.000146
89	SLU_calotta	Min	-0.001358	9.650E-06	-0.033978	1.446E-07	0.000146
89	SLV_calotta	Max	0.036955	0.000031	-0.095129	2.207E-07	-0.000118
89	SLV_calotta	Min	0.036955	0.000031	-0.095129	2.207E-07	-0.000118
90	SLE_dreno	Max	-0.001278	0.000016	-0.054399	2.427E-07	0.00016
90	SLE_dreno	Min	-0.001278	0.000016	-0.054399	2.427E-07	0.00016
90	SLU_dreno	Max	-0.001661	0.000171	-0.070723	2.523E-06	0.000208
90	SLU_dreno	Min	-0.001661	0.000171	-0.070723	2.523E-06	0.000208
90	SLV_dreno	Max	0.025935	0.00002	-0.06194	1.203E-07	0.000111
90	SLV_dreno	Min	0.025935	0.00002	-0.06194	1.203E-07	0.000111
90	SLE_calotta	Max	-0.000985	7.348E-06	-0.026154	1.112E-07	0.000131
90	SLE_calotta	Min	-0.000985	7.348E-06	-0.026154	1.112E-07	0.000131
90	SLU_calotta	Max	-0.00128	9.552E-06	-0.034	1.446E-07	0.00017
90	SLU_calotta	Min	-0.00128	9.552E-06	-0.034	1.446E-07	0.00017
90	SLV_calotta	Max	0.036893	0.000031	-0.095133	2.207E-07	-0.000115
90	SLV_calotta	Min	0.036893	0.000031	-0.095133	2.207E-07	-0.000115
91	SLE_dreno	Max	-0.001195	0.000016	-0.054421	2.427E-07	0.00018
91	SLE_dreno	Min	-0.001195	0.000016	-0.054421	2.427E-07	0.00018
91	SLU_dreno	Max	-0.001554	0.000169	-0.070752	2.523E-06	0.000234
91	SLU_dreno	Min	-0.001554	0.000169	-0.070752	2.523E-06	0.000234
91	SLV_dreno	Max	0.025992	0.000019	-0.061959	1.203E-07	0.000128
91	SLV_dreno	Min	0.025992	0.000019	-0.061959	1.203E-07	0.000128
91	SLE_calotta	Max	-0.000918	7.269E-06	-0.026172	1.112E-07	0.000145
91	SLE_calotta	Min	-0.000918	7.269E-06	-0.026172	1.112E-07	0.000145
91	SLU_calotta	Max	-0.001194	9.450E-06	-0.034024	1.446E-07	0.000189
91	SLU_calotta	Min	-0.001194	9.450E-06	-0.034024	1.446E-07	0.000189
91	SLV_calotta	Max	0.036833	0.000031	-0.095135	2.207E-07	-0.000111
91	SLV_calotta	Min	0.036833	0.000031	-0.095135	2.207E-07	-0.000111
92	SLE_dreno	Max	-0.001104	0.000016	-0.054445	2.427E-07	0.000196
92	SLE_dreno	Min	-0.001104	0.000016	-0.054445	2.427E-07	0.000196

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
92	SLU_dreno	Max	-0.001435	0.000167	-0.070783	2.523E-06	0.000255
92	SLU_dreno	Min	-0.001435	0.000167	-0.070783	2.523E-06	0.000255
92	SLV_dreno	Max	0.026056	0.000019	-0.06198	1.203E-07	0.000141
92	SLV_dreno	Min	0.026056	0.000019	-0.06198	1.203E-07	0.000141
92	SLE_calotta	Max	-0.000846	7.187E-06	-0.026193	1.112E-07	0.000156
92	SLE_calotta	Min	-0.000846	7.187E-06	-0.026193	1.112E-07	0.000156
92	SLU_calotta	Max	-0.0011	9.343E-06	-0.03405	1.446E-07	0.000203
92	SLU_calotta	Min	-0.0011	9.343E-06	-0.03405	1.446E-07	0.000203
92	SLV_calotta	Max	0.036774	0.00003	-0.095134	2.207E-07	-0.000107
92	SLV_calotta	Min	0.036774	0.00003	-0.095134	2.207E-07	-0.000107
93	SLE_dreno	Max	-0.001007	0.000016	-0.054471	2.427E-07	0.000208
93	SLE_dreno	Min	-0.001007	0.000016	-0.054471	2.427E-07	0.000208
93	SLU_dreno	Max	-0.001309	0.000165	-0.070817	2.523E-06	0.000271
93	SLU_dreno	Min	-0.001309	0.000165	-0.070817	2.523E-06	0.000271
93	SLV_dreno	Max	0.026125	0.000019	-0.062002	1.203E-07	0.000151
93	SLV_dreno	Min	0.026125	0.000019	-0.062002	1.203E-07	0.000151
93	SLE_calotta	Max	-0.00077	7.102E-06	-0.026214	1.112E-07	0.000165
93	SLE_calotta	Min	-0.00077	7.102E-06	-0.026214	1.112E-07	0.000165
93	SLU_calotta	Max	-0.001001	9.232E-06	-0.034078	1.446E-07	0.000215
93	SLU_calotta	Min	-0.001001	9.232E-06	-0.034078	1.446E-07	0.000215
93	SLV_calotta	Max	0.036717	0.00003	-0.095131	2.207E-07	-0.000103
93	SLV_calotta	Min	0.036717	0.00003	-0.095131	2.207E-07	-0.000103
94	SLE_dreno	Max	-0.000905	0.000016	-0.0545	2.427E-07	0.000217
94	SLE_dreno	Min	-0.000905	0.000016	-0.0545	2.427E-07	0.000217
94	SLU_dreno	Max	-0.001176	0.000163	-0.070854	2.523E-06	0.000282
94	SLU_dreno	Min	-0.001176	0.000163	-0.070854	2.523E-06	0.000282
94	SLV_dreno	Max	0.026197	0.000019	-0.062025	1.203E-07	0.000158
94	SLV_dreno	Min	0.026197	0.000019	-0.062025	1.203E-07	0.000158
94	SLE_calotta	Max	-0.00069	7.013E-06	-0.026237	1.112E-07	0.000172
94	SLE_calotta	Min	-0.00069	7.013E-06	-0.026237	1.112E-07	0.000172
94	SLU_calotta	Max	-0.000897	9.117E-06	-0.034109	1.446E-07	0.000224
94	SLU_calotta	Min	-0.000897	9.117E-06	-0.034109	1.446E-07	0.000224
94	SLV_calotta	Max	0.036661	0.00003	-0.095127	2.207E-07	-0.000099
94	SLV_calotta	Min	0.036661	0.00003	-0.095127	2.207E-07	-0.000099
95	SLE_dreno	Max	-0.000799	0.000015	-0.054531	2.427E-07	0.000226
95	SLE_dreno	Min	-0.000799	0.000015	-0.054531	2.427E-07	0.000226
95	SLU_dreno	Max	-0.001039	0.000161	-0.070895	2.523E-06	0.000293
95	SLU_dreno	Min	-0.001039	0.000161	-0.070895	2.523E-06	0.000293
95	SLV_dreno	Max	0.026273	0.000019	-0.06205	1.203E-07	0.000166
95	SLV_dreno	Min	0.026273	0.000019	-0.06205	1.203E-07	0.000166
95	SLE_calotta	Max	-0.000608	6.921E-06	-0.026263	1.112E-07	0.000179
95	SLE_calotta	Min	-0.000608	6.921E-06	-0.026263	1.112E-07	0.000179
95	SLU_calotta	Max	-0.00079	8.998E-06	-0.034141	1.446E-07	0.000232
95	SLU_calotta	Min	-0.00079	8.998E-06	-0.034141	1.446E-07	0.000232
95	SLV_calotta	Max	0.036608	0.00003	-0.095121	2.207E-07	-0.000095
95	SLV_calotta	Min	0.036608	0.00003	-0.095121	2.207E-07	-0.000095
96	SLE_dreno	Max	-0.000716	0.000015	-0.054627	2.427E-07	0.000235
96	SLE_dreno	Min	-0.000716	0.000015	-0.054627	2.427E-07	0.000235
96	SLU_dreno	Max	-0.000931	0.000157	-0.07102	2.523E-06	0.000306
96	SLU_dreno	Min	-0.000931	0.000157	-0.07102	2.523E-06	0.000306
96	SLV_dreno	Max	0.026334	0.000018	-0.062124	1.203E-07	0.000174
96	SLV_dreno	Min	0.026334	0.000018	-0.062124	1.203E-07	0.000174
96	SLE_calotta	Max	-0.000543	6.759E-06	-0.02634	1.112E-07	0.000186
96	SLE_calotta	Min	-0.000543	6.759E-06	-0.02634	1.112E-07	0.000186
96	SLU_calotta	Max	-0.000706	8.787E-06	-0.034242	1.446E-07	0.000242
96	SLU_calotta	Min	-0.000706	8.787E-06	-0.034242	1.446E-07	0.000242
96	SLV_calotta	Max	0.036574	0.000029	-0.095096	2.207E-07	-0.000089
96	SLV_calotta	Min	0.036574	0.000029	-0.095096	2.207E-07	-0.000089
97	SLE_dreno	Max	-0.000634	0.000015	-0.05473	2.427E-07	0.000244

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
97	SLE_dreno	Min	-0.000634	0.000015	-0.05473	2.427E-07	0.000244
97	SLU_dreno	Max	-0.000824	0.000153	-0.071154	2.523E-06	0.000318
97	SLU_dreno	Min	-0.000824	0.000153	-0.071154	2.523E-06	0.000318
97	SLV_dreno	Max	0.026395	0.000018	-0.062204	1.203E-07	0.000181
97	SLV_dreno	Min	0.026395	0.000018	-0.062204	1.203E-07	0.000181
97	SLE_calotta	Max	-0.000479	6.594E-06	-0.026422	1.112E-07	0.000193
97	SLE_calotta	Min	-0.000479	6.594E-06	-0.026422	1.112E-07	0.000193
97	SLU_calotta	Max	-0.000622	8.572E-06	-0.034349	1.446E-07	0.000251
97	SLU_calotta	Min	-0.000622	8.572E-06	-0.034349	1.446E-07	0.000251
97	SLV_calotta	Max	0.036544	0.000028	-0.095071	2.207E-07	-0.000084
97	SLV_calotta	Min	0.036544	0.000028	-0.095071	2.207E-07	-0.000084
98	SLE_dreno	Max	-0.000553	0.000014	-0.05484	2.427E-07	0.000252
98	SLE_dreno	Min	-0.000553	0.000014	-0.05484	2.427E-07	0.000252
98	SLU_dreno	Max	-0.000719	0.000149	-0.071297	2.523E-06	0.000328
98	SLU_dreno	Min	-0.000719	0.000149	-0.071297	2.523E-06	0.000328
98	SLV_dreno	Max	0.026454	0.000018	-0.062289	1.203E-07	0.000187
98	SLV_dreno	Min	0.026454	0.000018	-0.062289	1.203E-07	0.000187
98	SLE_calotta	Max	-0.000415	6.426E-06	-0.026509	1.112E-07	0.000199
98	SLE_calotta	Min	-0.000415	6.426E-06	-0.026509	1.112E-07	0.000199
98	SLU_calotta	Max	-0.00054	8.354E-06	-0.034462	1.446E-07	0.000259
98	SLU_calotta	Min	-0.00054	8.354E-06	-0.034462	1.446E-07	0.000259
98	SLV_calotta	Max	0.036515	0.000028	-0.095048	2.207E-07	-0.00008
98	SLV_calotta	Min	0.036515	0.000028	-0.095048	2.207E-07	-0.00008
99	SLE_dreno	Max	-0.000474	0.000014	-0.054955	2.427E-07	0.000258
99	SLE_dreno	Min	-0.000474	0.000014	-0.054955	2.427E-07	0.000258
99	SLU_dreno	Max	-0.000617	0.000146	-0.071446	2.523E-06	0.000335
99	SLU_dreno	Min	-0.000617	0.000146	-0.071446	2.523E-06	0.000335
99	SLV_dreno	Max	0.026512	0.000017	-0.062377	1.203E-07	0.00019
99	SLV_dreno	Min	0.026512	0.000017	-0.062377	1.203E-07	0.00019
99	SLE_calotta	Max	-0.000354	6.256E-06	-0.026601	1.112E-07	0.000203
99	SLE_calotta	Min	-0.000354	6.256E-06	-0.026601	1.112E-07	0.000203
99	SLU_calotta	Max	-0.000461	8.133E-06	-0.034581	1.446E-07	0.000264
99	SLU_calotta	Min	-0.000461	8.133E-06	-0.034581	1.446E-07	0.000264
99	SLV_calotta	Max	0.036488	0.000027	-0.095024	2.207E-07	-0.000077
99	SLV_calotta	Min	0.036488	0.000027	-0.095024	2.207E-07	-0.000077
100	SLE_dreno	Max	-0.000399	0.000014	-0.055076	2.427E-07	0.000261
100	SLE_dreno	Min	-0.000399	0.000014	-0.055076	2.427E-07	0.000261
100	SLU_dreno	Max	-0.000519	0.000142	-0.071603	2.523E-06	0.000339
100	SLU_dreno	Min	-0.000519	0.000142	-0.071603	2.523E-06	0.000339
100	SLV_dreno	Max	0.026566	0.000017	-0.062469	1.203E-07	0.00019
100	SLV_dreno	Min	0.026566	0.000017	-0.062469	1.203E-07	0.00019
100	SLE_calotta	Max	-0.000296	6.084E-06	-0.026697	1.112E-07	0.000206
100	SLE_calotta	Min	-0.000296	6.084E-06	-0.026697	1.112E-07	0.000206
100	SLU_calotta	Max	-0.000385	7.910E-06	-0.034706	1.446E-07	0.000267
100	SLU_calotta	Min	-0.000385	7.910E-06	-0.034706	1.446E-07	0.000267
100	SLV_calotta	Max	0.036462	0.000026	-0.095001	2.207E-07	-0.000076
100	SLV_calotta	Min	0.036462	0.000026	-0.095001	2.207E-07	-0.000076
101	SLE_dreno	Max	-0.000329	0.000013	-0.055199	2.427E-07	0.00026
101	SLE_dreno	Min	-0.000329	0.000013	-0.055199	2.427E-07	0.00026
101	SLU_dreno	Max	-0.000427	0.000138	-0.071763	2.523E-06	0.000338
101	SLU_dreno	Min	-0.000427	0.000138	-0.071763	2.523E-06	0.000338
101	SLV_dreno	Max	0.026616	0.000016	-0.062561	1.203E-07	0.000187
101	SLV_dreno	Min	0.026616	0.000016	-0.062561	1.203E-07	0.000187
101	SLE_calotta	Max	-0.000242	5.911E-06	-0.026794	1.112E-07	0.000205
101	SLE_calotta	Min	-0.000242	5.911E-06	-0.026794	1.112E-07	0.000205
101	SLU_calotta	Max	-0.000314	7.684E-06	-0.034833	1.446E-07	0.000267
101	SLU_calotta	Min	-0.000314	7.684E-06	-0.034833	1.446E-07	0.000267
101	SLV_calotta	Max	0.036437	0.000026	-0.094976	2.207E-07	-0.000076
101	SLV_calotta	Min	0.036437	0.000026	-0.094976	2.207E-07	-0.000076

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians
102	SLE_dreno	Max	-0.000266	0.000013	-0.055322	2.427E-07	0.000256
102	SLE_dreno	Min	-0.000266	0.000013	-0.055322	2.427E-07	0.000256
102	SLU_dreno	Max	-0.000346	0.000134	-0.071924	2.523E-06	0.000333
102	SLU_dreno	Min	-0.000346	0.000134	-0.071924	2.523E-06	0.000333
102	SLV_dreno	Max	0.026659	0.000016	-0.062653	1.203E-07	0.00018
102	SLV_dreno	Min	0.026659	0.000016	-0.062653	1.203E-07	0.00018
102	SLE_calotta	Max	-0.000194	5.737E-06	-0.026893	1.112E-07	0.000202
102	SLE_calotta	Min	-0.000194	5.737E-06	-0.026893	1.112E-07	0.000202
102	SLU_calotta	Max	-0.000252	7.458E-06	-0.03496	1.446E-07	0.000262
102	SLU_calotta	Min	-0.000252	7.458E-06	-0.03496	1.446E-07	0.000262
102	SLV_calotta	Max	0.036414	0.000025	-0.094949	2.207E-07	-0.000078
102	SLV_calotta	Min	0.036414	0.000025	-0.094949	2.207E-07	-0.000078
103	SLE_dreno	Max	-0.00021	0.000012	-0.055445	2.427E-07	0.000249
103	SLE_dreno	Min	-0.00021	0.000012	-0.055445	2.427E-07	0.000249
103	SLU_dreno	Max	-0.000273	0.000129	-0.072083	2.523E-06	0.000323
103	SLU_dreno	Min	-0.000273	0.000129	-0.072083	2.523E-06	0.000323
103	SLV_dreno	Max	0.026697	0.000016	-0.062741	1.203E-07	0.000171
103	SLV_dreno	Min	0.026697	0.000016	-0.062741	1.203E-07	0.000171
103	SLE_calotta	Max	-0.000151	5.562E-06	-0.02699	1.112E-07	0.000196
103	SLE_calotta	Min	-0.000151	5.562E-06	-0.02699	1.112E-07	0.000196
103	SLU_calotta	Max	-0.000196	7.231E-06	-0.035087	1.446E-07	0.000255
103	SLU_calotta	Min	-0.000196	7.231E-06	-0.035087	1.446E-07	0.000255
103	SLV_calotta	Max	0.036391	0.000024	-0.09492	2.207E-07	-0.000082
103	SLV_calotta	Min	0.036391	0.000024	-0.09492	2.207E-07	-0.000082
104	SLE_dreno	Max	-0.000161	0.000012	-0.055565	2.427E-07	0.000238
104	SLE_dreno	Min	-0.000161	0.000012	-0.055565	2.427E-07	0.000238
104	SLU_dreno	Max	-0.000209	0.000125	-0.072239	2.523E-06	0.00031
104	SLU_dreno	Min	-0.000209	0.000125	-0.072239	2.523E-06	0.00031
104	SLV_dreno	Max	0.026729	0.000015	-0.062825	1.203E-07	0.000158
104	SLV_dreno	Min	0.026729	0.000015	-0.062825	1.203E-07	0.000158
104	SLE_calotta	Max	-0.000113	5.387E-06	-0.027085	1.112E-07	0.000188
104	SLE_calotta	Min	-0.000113	5.387E-06	-0.027085	1.112E-07	0.000188
104	SLU_calotta	Max	-0.000146	7.003E-06	-0.03521	1.446E-07	0.000244
104	SLU_calotta	Min	-0.000146	7.003E-06	-0.03521	1.446E-07	0.000244
104	SLV_calotta	Max	0.036368	0.000024	-0.094887	2.207E-07	-0.000088
104	SLV_calotta	Min	0.036368	0.000024	-0.094887	2.207E-07	-0.000088
105	SLE_dreno	Max	-0.000118	0.000012	-0.055681	2.427E-07	0.000225
105	SLE_dreno	Min	-0.000118	0.000012	-0.055681	2.427E-07	0.000225
105	SLU_dreno	Max	-0.000153	0.000121	-0.072389	2.523E-06	0.000293
105	SLU_dreno	Min	-0.000153	0.000121	-0.072389	2.523E-06	0.000293
105	SLV_dreno	Max	0.026755	0.000015	-0.062902	1.203E-07	0.000143
105	SLV_dreno	Min	0.026755	0.000015	-0.062902	1.203E-07	0.000143
105	SLE_calotta	Max	-0.00008	5.211E-06	-0.027176	1.112E-07	0.000177
105	SLE_calotta	Min	-0.00008	5.211E-06	-0.027176	1.112E-07	0.000177
105	SLU_calotta	Max	-0.000104	6.774E-06	-0.035329	1.446E-07	0.000231
105	SLU_calotta	Min	-0.000104	6.774E-06	-0.035329	1.446E-07	0.000231
105	SLV_calotta	Max	0.036345	0.000023	-0.09485	2.207E-07	-0.000095
105	SLV_calotta	Min	0.036345	0.000023	-0.09485	2.207E-07	-0.000095
106	SLE_dreno	Max	-0.000082	0.000011	-0.05579	2.427E-07	0.00021
106	SLE_dreno	Min	-0.000082	0.000011	-0.05579	2.427E-07	0.00021
106	SLU_dreno	Max	-0.000106	0.000117	-0.072532	2.523E-06	0.000273
106	SLU_dreno	Min	-0.000106	0.000117	-0.072532	2.523E-06	0.000273
106	SLV_dreno	Max	0.026775	0.000014	-0.062972	1.203E-07	0.000125
106	SLV_dreno	Min	0.026775	0.000014	-0.062972	1.203E-07	0.000125
106	SLE_calotta	Max	-0.000053	5.035E-06	-0.027263	1.112E-07	0.000165
106	SLE_calotta	Min	-0.000053	5.035E-06	-0.027263	1.112E-07	0.000165
106	SLU_calotta	Max	-0.000069	6.545E-06	-0.035442	1.446E-07	0.000215
106	SLU_calotta	Min	-0.000069	6.545E-06	-0.035442	1.446E-07	0.000215
106	SLV_calotta	Max	0.036322	0.000022	-0.094808	2.207E-07	-0.000103

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
106	SLV_calotta	Min	0.036322	0.000022	-0.094808	2.207E-07	-0.000103
107	SLE_dreno	Max	-0.000053	0.000011	-0.055893	2.427E-07	0.000192
107	SLE_dreno	Min	-0.000053	0.000011	-0.055893	2.427E-07	0.000192
107	SLU_dreno	Max	-0.000069	0.000113	-0.072665	2.523E-06	0.00025
107	SLU_dreno	Min	-0.000069	0.000113	-0.072665	2.523E-06	0.00025
107	SLV_dreno	Max	0.026789	0.000014	-0.063034	1.203E-07	0.000106
107	SLV_dreno	Min	0.026789	0.000014	-0.063034	1.203E-07	0.000106
107	SLE_calotta	Max	-0.000031	4.858E-06	-0.027344	1.112E-07	0.000151
107	SLE_calotta	Min	-0.000031	4.858E-06	-0.027344	1.112E-07	0.000151
107	SLU_calotta	Max	-0.000041	6.316E-06	-0.035547	1.446E-07	0.000196
107	SLU_calotta	Min	-0.000041	6.316E-06	-0.035547	1.446E-07	0.000196
107	SLV_calotta	Max	0.0363	0.000022	-0.094761	2.207E-07	-0.000112
107	SLV_calotta	Min	0.0363	0.000022	-0.094761	2.207E-07	-0.000112
108	SLE_dreno	Max	-0.00003	0.00001	-0.055986	2.427E-07	0.000172
108	SLE_dreno	Min	-0.00003	0.00001	-0.055986	2.427E-07	0.000172
108	SLU_dreno	Max	-0.000039	0.000109	-0.072787	2.523E-06	0.000224
108	SLU_dreno	Min	-0.000039	0.000109	-0.072787	2.523E-06	0.000224
108	SLV_dreno	Max	0.026799	0.000013	-0.063085	1.203E-07	0.000085
108	SLV_dreno	Min	0.026799	0.000013	-0.063085	1.203E-07	0.000085
108	SLE_calotta	Max	-0.000015	4.682E-06	-0.027418	1.112E-07	0.000135
108	SLE_calotta	Min	-0.000015	4.682E-06	-0.027418	1.112E-07	0.000135
108	SLU_calotta	Max	-0.000019	6.086E-06	-0.035643	1.446E-07	0.000176
108	SLU_calotta	Min	-0.000019	6.086E-06	-0.035643	1.446E-07	0.000176
108	SLV_calotta	Max	0.036277	0.000021	-0.094708	2.207E-07	-0.000122
108	SLV_calotta	Min	0.036277	0.000021	-0.094708	2.207E-07	-0.000122
109	SLE_dreno	Max	-0.000014	0.00001	-0.05607	2.427E-07	0.000151
109	SLE_dreno	Min	-0.000014	0.00001	-0.05607	2.427E-07	0.000151
109	SLU_dreno	Max	-0.000018	0.000105	-0.072896	2.523E-06	0.000196
109	SLU_dreno	Min	-0.000018	0.000105	-0.072896	2.523E-06	0.000196
109	SLV_dreno	Max	0.026803	0.000013	-0.063126	1.203E-07	0.000062
109	SLV_dreno	Min	0.026803	0.000013	-0.063126	1.203E-07	0.000062
109	SLE_calotta	Max	-3.054E-06	4.506E-06	-0.027484	1.112E-07	0.000119
109	SLE_calotta	Min	-3.054E-06	4.506E-06	-0.027484	1.112E-07	0.000119
109	SLU_calotta	Max	-3.970E-06	5.858E-06	-0.035729	1.446E-07	0.000154
109	SLU_calotta	Min	-3.970E-06	5.858E-06	-0.035729	1.446E-07	0.000154
109	SLV_calotta	Max	0.036256	0.00002	-0.094649	2.207E-07	-0.000133
109	SLV_calotta	Min	0.036256	0.00002	-0.094649	2.207E-07	-0.000133
110	SLE_dreno	Max	-2.400E-06	9.711E-06	-0.056143	2.427E-07	0.000128
110	SLE_dreno	Min	-2.400E-06	9.711E-06	-0.056143	2.427E-07	0.000128
110	SLU_dreno	Max	-3.075E-06	0.000101	-0.07299	2.523E-06	0.000166
110	SLU_dreno	Min	-3.075E-06	0.000101	-0.07299	2.523E-06	0.000166
110	SLV_dreno	Max	0.026804	0.000013	-0.063154	1.203E-07	0.000038
110	SLV_dreno	Min	0.026804	0.000013	-0.063154	1.203E-07	0.000038
110	SLE_calotta	Max	4.450E-06	4.331E-06	-0.027542	1.112E-07	0.000101
110	SLE_calotta	Min	4.450E-06	4.331E-06	-0.027542	1.112E-07	0.000101
110	SLU_calotta	Max	5.785E-06	5.630E-06	-0.035804	1.446E-07	0.000131
110	SLU_calotta	Min	5.785E-06	5.630E-06	-0.035804	1.446E-07	0.000131
110	SLV_calotta	Max	0.036236	0.00002	-0.094583	2.207E-07	-0.000144
110	SLV_calotta	Min	0.036236	0.00002	-0.094583	2.207E-07	-0.000144
111	SLE_dreno	Max	4.015E-06	9.321E-06	-0.056203	2.427E-07	0.000104
111	SLE_dreno	Min	4.015E-06	9.321E-06	-0.056203	2.427E-07	0.000104
111	SLU_dreno	Max	5.266E-06	0.000097	-0.073069	2.523E-06	0.000135
111	SLU_dreno	Min	5.266E-06	0.000097	-0.073069	2.523E-06	0.000135
111	SLV_dreno	Max	0.026802	0.000012	-0.06317	1.203E-07	0.000013
111	SLV_dreno	Min	0.026802	0.000012	-0.06317	1.203E-07	0.000013
111	SLE_calotta	Max	8.235E-06	4.156E-06	-0.02759	1.112E-07	0.000082
111	SLE_calotta	Min	8.235E-06	4.156E-06	-0.02759	1.112E-07	0.000082
111	SLU_calotta	Max	0.000011	5.403E-06	-0.035866	1.446E-07	0.000106
111	SLU_calotta	Min	0.000011	5.403E-06	-0.035866	1.446E-07	0.000106



Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
111	SLV_calotta	Max	0.036217	0.000019	-0.09451	2.207E-07	-0.000155
111	SLV_calotta	Min	0.036217	0.000019	-0.09451	2.207E-07	-0.000155
112	SLE_dreno	Max	6.527E-06	8.934E-06	-0.056252	2.427E-07	0.000079
112	SLE_dreno	Min	6.527E-06	8.934E-06	-0.056252	2.427E-07	0.000079
112	SLU_dreno	Max	8.531E-06	0.000093	-0.073132	2.523E-06	0.000102
112	SLU_dreno	Min	8.531E-06	0.000093	-0.073132	2.523E-06	0.000102
112	SLV_dreno	Max	0.026797	0.000012	-0.063172	1.203E-07	-0.000012
112	SLV_dreno	Min	0.026797	0.000012	-0.063172	1.203E-07	-0.000012
112	SLE_calotta	Max	8.948E-06	3.983E-06	-0.027628	1.112E-07	0.000062
112	SLE_calotta	Min	8.948E-06	3.983E-06	-0.027628	1.112E-07	0.000062
112	SLU_calotta	Max	0.000012	5.178E-06	-0.035916	1.446E-07	0.000008
112	SLU_calotta	Min	0.000012	5.178E-06	-0.035916	1.446E-07	0.000008
112	SLV_calotta	Max	0.0362	0.000018	-0.094431	2.207E-07	-0.000167
112	SLV_calotta	Min	0.0362	0.000018	-0.094431	2.207E-07	-0.000167
113	SLE_dreno	Max	6.038E-06	8.550E-06	-0.056286	2.427E-07	0.000053
113	SLE_dreno	Min	6.038E-06	8.550E-06	-0.056286	2.427E-07	0.000053
113	SLU_dreno	Max	7.897E-06	0.000089	-0.073177	2.523E-06	0.000069
113	SLU_dreno	Min	7.897E-06	0.000089	-0.073177	2.523E-06	0.000069
113	SLV_dreno	Max	0.026791	0.000011	-0.063161	1.203E-07	-0.000038
113	SLV_dreno	Min	0.026791	0.000011	-0.063161	1.203E-07	-0.000038
113	SLE_calotta	Max	7.302E-06	3.811E-06	-0.027655	1.112E-07	0.000042
113	SLE_calotta	Min	7.302E-06	3.811E-06	-0.027655	1.112E-07	0.000042
113	SLU_calotta	Max	9.492E-06	4.955E-06	-0.035951	1.446E-07	0.000054
113	SLU_calotta	Min	9.492E-06	4.955E-06	-0.035951	1.446E-07	0.000054
113	SLV_calotta	Max	0.036185	0.000017	-0.094345	2.207E-07	-0.000179
113	SLV_calotta	Min	0.036185	0.000017	-0.094345	2.207E-07	-0.000179
114	SLE_dreno	Max	3.515E-06	8.170E-06	-0.056307	2.427E-07	0.000027
114	SLE_dreno	Min	3.515E-06	8.170E-06	-0.056307	2.427E-07	0.000027
114	SLU_dreno	Max	4.616E-06	0.000085	-0.073204	2.523E-06	0.000034
114	SLU_dreno	Min	4.616E-06	0.000085	-0.073204	2.523E-06	0.000034
114	SLV_dreno	Max	0.026785	0.000011	-0.063136	1.203E-07	-0.000064
114	SLV_dreno	Min	0.026785	0.000011	-0.063136	1.203E-07	-0.000064
114	SLE_calotta	Max	4.055E-06	3.641E-06	-0.027672	1.112E-07	0.000021
114	SLE_calotta	Min	4.055E-06	3.641E-06	-0.027672	1.112E-07	0.000021
114	SLU_calotta	Max	5.271E-06	4.734E-06	-0.035973	1.446E-07	0.000027
114	SLU_calotta	Min	5.271E-06	4.734E-06	-0.035973	1.446E-07	0.000027
114	SLV_calotta	Max	0.036174	0.000017	-0.094252	2.207E-07	-0.000191
114	SLV_calotta	Min	0.036174	0.000017	-0.094252	2.207E-07	-0.000191
21~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
21~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
21~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
21~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
21~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
21~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
21~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
21~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
21~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
21~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
21~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
21~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
22~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
22~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
22~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
22~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
22~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
22~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
22~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
22~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
22~Link	SLU_calotta	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
22~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
22~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
22~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
23~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
23~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
23~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
23~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
23~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
23~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
23~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
23~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
23~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
23~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
23~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
23~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
24~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
24~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
24~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
24~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
24~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
24~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
24~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
24~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
24~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
24~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
24~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
24~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
25~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
25~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
25~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
25~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
25~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
25~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
25~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
25~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
25~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
25~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
25~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
25~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
26~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
26~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
26~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
26~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
26~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
26~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
26~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
26~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
26~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
26~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
26~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
26~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
27~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
27~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
27~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
27~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
27~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
27~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
27~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
27~Link	SLE_calotta	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
27~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
27~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
27~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
27~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
28~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
28~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
28~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
28~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
28~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
28~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
28~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
28~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
28~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
28~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
28~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
28~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
29~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
29~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
29~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
29~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
29~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
29~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
29~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
29~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
29~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
29~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
29~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
29~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
30~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
30~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
30~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
30~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
30~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
30~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
30~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
30~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
30~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
30~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
30~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
30~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
31~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
31~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
31~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
31~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
31~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
31~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
31~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
31~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
31~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
31~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
31~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
31~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
32~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
32~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
32~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
32~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
32~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
32~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
32~Link	SLE_calotta	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
32~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
32~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
32~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
32~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
32~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
33~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
33~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
33~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
33~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
33~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
33~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
33~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
33~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
33~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
33~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
33~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
33~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
34~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
34~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
34~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
34~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
34~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
34~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
34~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
34~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
34~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
34~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
34~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
34~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
35~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
35~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
35~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
35~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
35~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
35~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
35~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
35~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
35~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
35~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
35~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
35~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
36~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
36~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
36~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
36~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
36~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
36~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
36~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
36~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
36~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
36~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
36~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
36~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
37~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
37~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
37~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
37~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
37~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
37~Link	SLV_dreno	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
37~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
37~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
37~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
37~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
37~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
37~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
38~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
38~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
38~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
38~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
38~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
38~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
38~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
38~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
38~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
38~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
38~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
38~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
39~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
39~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
39~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
39~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
39~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
39~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
39~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
39~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
39~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
39~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
39~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
39~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
77~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
77~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
77~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
77~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
77~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
77~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
77~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
77~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
77~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
77~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
77~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
77~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
78~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
78~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
78~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
78~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
78~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
78~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
78~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
78~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
78~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
78~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
78~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
78~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
79~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
79~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
79~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
79~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
79~Link	SLV_dreno	Max	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
79~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
79~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
79~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
79~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
79~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
79~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
79~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
80~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
80~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
80~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
80~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
80~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
80~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
80~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
80~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
80~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
80~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
80~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
80~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
81~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
81~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
81~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
81~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
81~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
81~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
81~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
81~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
81~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
81~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
81~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
81~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
82~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
82~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
82~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
82~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
82~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
82~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
82~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
82~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
82~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
82~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
82~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
82~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
83~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
83~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
83~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
83~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
83~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
83~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
83~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
83~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
83~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
83~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
83~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
83~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
84~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
84~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
84~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
84~Link	SLU_dreno	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
84~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
84~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
84~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
84~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
84~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
84~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
84~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
84~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
85~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
85~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
85~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
85~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
85~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
85~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
85~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
85~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
85~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
85~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
85~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
85~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
86~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
86~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
86~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
86~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
86~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
86~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
86~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
86~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
86~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
86~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
86~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
86~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
87~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
87~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
87~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
87~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
87~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
87~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
87~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
87~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
87~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
87~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
87~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
87~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
88~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
88~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
88~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
88~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
88~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
88~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
88~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
88~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
88~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
88~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
88~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
88~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
89~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
89~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
89~Link	SLU_dreno	Max	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
89~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
89~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
89~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
89~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
89~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
89~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
89~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
89~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
89~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
90~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
90~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
90~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
90~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
90~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
90~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
90~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
90~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
90~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
90~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
90~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
90~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
91~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
91~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
91~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
91~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
91~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
91~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
91~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
91~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
91~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
91~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
91~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
91~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
92~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
92~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
92~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
92~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
92~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
92~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
92~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
92~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
92~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
92~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
92~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
92~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
93~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
93~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
93~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
93~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
93~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
93~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
93~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
93~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
93~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
93~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
93~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
93~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
94~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
94~Link	SLE_dreno	Min	0.	0.	0.	0.	0.



**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
94~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
94~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
94~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
94~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
94~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
94~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
94~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
94~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
94~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
94~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
95~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
95~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
95~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
95~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
95~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
95~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
95~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
95~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
95~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
95~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
95~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
95~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
1~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
1~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
1~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
1~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
1~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
1~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
1~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
1~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
1~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
1~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
1~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
1~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
2~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
2~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
2~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
2~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
2~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
2~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
2~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
2~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
2~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
2~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
2~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
2~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
3~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
3~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
3~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
3~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
3~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
3~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
3~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
3~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
3~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
3~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
3~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
3~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
4~Link	SLE_dreno	Max	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
4~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
4~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
4~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
4~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
4~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
4~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
4~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
4~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
4~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
4~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
4~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
5~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
5~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
5~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
5~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
5~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
5~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
5~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
5~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
5~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
5~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
5~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
5~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
6~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
6~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
6~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
6~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
6~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
6~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
6~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
6~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
6~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
6~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
6~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
6~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
7~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
7~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
7~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
7~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
7~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
7~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
7~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
7~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
7~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
7~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
7~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
7~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
8~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
8~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
8~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
8~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
8~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
8~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
8~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
8~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
8~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
8~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
8~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
8~Link	SLV_calotta	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
9~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
9~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
9~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
9~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
9~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
9~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
9~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
9~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
9~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
9~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
9~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
9~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
10~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
10~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
10~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
10~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
10~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
10~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
10~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
10~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
10~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
10~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
10~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
10~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
11~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
11~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
11~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
11~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
11~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
11~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
11~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
11~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
11~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
11~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
11~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
11~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
12~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
12~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
12~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
12~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
12~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
12~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
12~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
12~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
12~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
12~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
12~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
12~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
13~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
13~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
13~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
13~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
13~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
13~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
13~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
13~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
13~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
13~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
13~Link	SLV_calotta	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
13~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
14~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
14~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
14~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
14~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
14~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
14~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
14~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
14~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
14~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
14~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
14~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
14~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
15~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
15~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
15~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
15~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
15~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
15~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
15~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
15~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
15~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
15~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
15~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
15~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
16~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
16~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
16~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
16~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
16~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
16~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
16~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
16~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
16~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
16~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
16~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
16~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
17~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
17~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
17~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
17~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
17~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
17~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
17~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
17~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
17~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
17~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
17~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
17~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
18~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
18~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
18~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
18~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
18~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
18~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
18~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
18~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
18~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
18~Link	SLU_calotta	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
18~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
18~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
19~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
19~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
19~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
19~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
19~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
19~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
19~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
19~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
19~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
19~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
19~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
19~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
20~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
20~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
20~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
20~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
20~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
20~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
20~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
20~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
20~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
20~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
20~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
20~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
96~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
96~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
96~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
96~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
96~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
96~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
96~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
96~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
96~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
96~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
96~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
96~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
97~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
97~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
97~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
97~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
97~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
97~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
97~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
97~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
97~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
97~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
97~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
97~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
98~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
98~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
98~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
98~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
98~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
98~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
98~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
98~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
98~Link	SLU_calotta	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
98~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
98~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
98~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
99~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
99~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
99~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
99~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
99~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
99~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
99~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
99~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
99~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
99~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
99~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
99~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
100~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
100~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
100~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
100~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
100~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
100~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
100~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
100~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
100~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
100~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
100~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
100~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
101~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
101~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
101~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
101~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
101~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
101~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
101~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
101~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
101~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
101~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
101~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
101~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
102~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
102~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
102~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
102~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
102~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
102~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
102~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
102~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
102~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
102~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
102~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
102~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
103~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
103~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
103~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
103~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
103~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
103~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
103~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
103~Link	SLE_calotta	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
103~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
103~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
103~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
103~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
104~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
104~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
104~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
104~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
104~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
104~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
104~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
104~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
104~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
104~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
104~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
104~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
105~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
105~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
105~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
105~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
105~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
105~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
105~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
105~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
105~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
105~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
105~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
105~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
106~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
106~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
106~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
106~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
106~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
106~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
106~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
106~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
106~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
106~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
106~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
106~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
107~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
107~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
107~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
107~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
107~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
107~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
107~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
107~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
107~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
107~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
107~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
107~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
108~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
108~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
108~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
108~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
108~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
108~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
108~Link	SLE_calotta	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
108~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
108~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
108~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
108~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
108~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
109~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
109~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
109~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
109~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
109~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
109~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
109~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
109~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
109~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
109~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
109~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
109~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
110~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
110~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
110~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
110~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
110~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
110~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
110~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
110~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
110~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
110~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
110~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
110~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
111~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
111~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
111~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
111~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
111~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
111~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
111~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
111~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
111~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
111~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
111~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
111~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
112~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
112~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
112~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
112~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
112~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
112~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
112~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
112~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
112~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
112~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
112~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
112~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
113~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
113~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
113~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
113~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
113~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
113~Link	SLV_dreno	Min	0.	0.	0.	0.	0.



**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
113~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
113~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
113~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
113~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
113~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
113~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
114~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
114~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
114~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
114~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
114~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
114~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
114~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
114~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
114~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
114~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
114~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
114~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
40~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
40~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
40~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
40~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
40~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
40~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
40~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
40~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
40~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
40~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
40~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
40~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
41~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
41~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
41~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
41~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
41~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
41~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
41~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
41~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
41~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
41~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
41~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
41~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
42~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
42~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
42~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
42~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
42~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
42~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
42~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
42~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
42~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
42~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
42~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
42~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
43~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
43~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
43~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
43~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
43~Link	SLV_dreno	Max	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
43~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
43~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
43~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
43~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
43~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
43~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
43~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
44~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
44~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
44~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
44~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
44~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
44~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
44~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
44~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
44~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
44~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
44~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
44~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
45~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
45~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
45~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
45~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
45~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
45~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
45~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
45~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
45~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
45~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
45~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
45~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
46~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
46~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
46~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
46~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
46~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
46~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
46~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
46~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
46~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
46~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
46~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
46~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
47~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
47~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
47~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
47~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
47~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
47~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
47~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
47~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
47~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
47~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
47~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
47~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
48~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
48~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
48~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
48~Link	SLU_dreno	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
48~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
48~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
48~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
48~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
48~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
48~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
48~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
48~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
49~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
49~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
49~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
49~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
49~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
49~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
49~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
49~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
49~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
49~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
49~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
49~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
50~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
50~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
50~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
50~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
50~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
50~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
50~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
50~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
50~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
50~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
50~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
50~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
51~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
51~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
51~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
51~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
51~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
51~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
51~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
51~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
51~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
51~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
51~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
51~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
52~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
52~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
52~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
52~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
52~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
52~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
52~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
52~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
52~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
52~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
52~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
52~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
53~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
53~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
53~Link	SLU_dreno	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
53~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
53~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
53~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
53~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
53~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
53~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
53~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
53~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
53~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
54~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
54~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
54~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
54~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
54~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
54~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
54~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
54~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
54~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
54~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
54~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
54~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
55~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
55~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
55~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
55~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
55~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
55~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
55~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
55~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
55~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
55~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
55~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
55~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
56~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
56~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
56~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
56~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
56~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
56~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
56~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
56~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
56~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
56~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
56~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
56~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
57~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
57~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
57~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
57~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
57~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
57~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
57~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
57~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
57~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
57~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
57~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
57~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
58~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
58~Link	SLE_dreno	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
58~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
58~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
58~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
58~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
58~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
58~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
58~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
58~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
58~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
58~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
59~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
59~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
59~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
59~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
59~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
59~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
59~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
59~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
59~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
59~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
59~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
59~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
60~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
60~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
60~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
60~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
60~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
60~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
60~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
60~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
60~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
60~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
60~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
60~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
61~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
61~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
61~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
61~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
61~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
61~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
61~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
61~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
61~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
61~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
61~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
61~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
62~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
62~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
62~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
62~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
62~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
62~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
62~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
62~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
62~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
62~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
62~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
62~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
63~Link	SLE_dreno	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
63~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
63~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
63~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
63~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
63~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
63~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
63~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
63~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
63~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
63~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
63~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
64~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
64~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
64~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
64~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
64~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
64~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
64~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
64~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
64~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
64~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
64~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
64~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
65~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
65~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
65~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
65~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
65~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
65~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
65~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
65~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
65~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
65~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
65~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
65~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
66~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
66~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
66~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
66~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
66~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
66~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
66~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
66~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
66~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
66~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
66~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
66~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
67~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
67~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
67~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
67~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
67~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
67~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
67~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
67~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
67~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
67~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
67~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
67~Link	SLV_calotta	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
68~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
68~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
68~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
68~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
68~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
68~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
68~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
68~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
68~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
68~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
68~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
68~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
69~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
69~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
69~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
69~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
69~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
69~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
69~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
69~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
69~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
69~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
69~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
69~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
70~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
70~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
70~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
70~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
70~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
70~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
70~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
70~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
70~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
70~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
70~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
70~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
71~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
71~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
71~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
71~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
71~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
71~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
71~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
71~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
71~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
71~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
71~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
71~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
72~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
72~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
72~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
72~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
72~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
72~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
72~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
72~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
72~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
72~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
72~Link	SLV_calotta	Max	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 1 of 2**

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
72~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
73~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
73~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
73~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
73~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
73~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
73~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
73~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
73~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
73~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
73~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
73~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
73~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
74~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
74~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
74~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
74~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
74~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
74~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
74~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
74~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
74~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
74~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
74~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
74~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
75~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
75~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
75~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
75~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
75~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
75~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
75~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
75~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
75~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
75~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
75~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
75~Link	SLV_calotta	Min	0.	0.	0.	0.	0.
76~Link	SLE_dreno	Max	0.	0.	0.	0.	0.
76~Link	SLE_dreno	Min	0.	0.	0.	0.	0.
76~Link	SLU_dreno	Max	0.	0.	0.	0.	0.
76~Link	SLU_dreno	Min	0.	0.	0.	0.	0.
76~Link	SLV_dreno	Max	0.	0.	0.	0.	0.
76~Link	SLV_dreno	Min	0.	0.	0.	0.	0.
76~Link	SLE_calotta	Max	0.	0.	0.	0.	0.
76~Link	SLE_calotta	Min	0.	0.	0.	0.	0.
76~Link	SLU_calotta	Max	0.	0.	0.	0.	0.
76~Link	SLU_calotta	Min	0.	0.	0.	0.	0.
76~Link	SLV_calotta	Max	0.	0.	0.	0.	0.
76~Link	SLV_calotta	Min	0.	0.	0.	0.	0.

**Table 19: Joint Displacements, Part 2 of 2**

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3
	Radians
1	-7.424E-07
1	-7.424E-07



**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
1	-7.716E-06
1	-7.716E-06
1	-8.757E-07
1	-8.757E-07
1	-3.320E-07
1	-3.320E-07
1	-4.316E-07
1	-4.316E-07
1	-1.382E-06
1	-1.382E-06
2	-7.424E-07
2	-7.424E-07
2	-7.716E-06
2	-7.716E-06
2	-8.757E-07
2	-8.757E-07
2	-3.320E-07
2	-3.320E-07
2	-4.316E-07
2	-4.316E-07
2	-1.382E-06
2	-1.382E-06
3	-7.424E-07
3	-7.424E-07
3	-7.716E-06
3	-7.716E-06
3	-8.757E-07
3	-8.757E-07
3	-3.320E-07
3	-3.320E-07
3	-4.316E-07
3	-4.316E-07
3	-1.382E-06
3	-1.382E-06
4	-7.424E-07
4	-7.424E-07
4	-7.716E-06
4	-7.716E-06
4	-8.757E-07
4	-8.757E-07
4	-3.320E-07
4	-3.320E-07
4	-4.316E-07
4	-4.316E-07
4	-1.382E-06
4	-1.382E-06
5	-7.424E-07
5	-7.424E-07
5	-7.716E-06
5	-7.716E-06
5	-8.757E-07
5	-8.757E-07
5	-3.320E-07
5	-3.320E-07
5	-4.316E-07
5	-4.316E-07
5	-1.382E-06
5	-1.382E-06

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
6	-7.424E-07
6	-7.424E-07
6	-7.716E-06
6	-7.716E-06
6	-8.757E-07
6	-8.757E-07
6	-3.320E-07
6	-3.320E-07
6	-4.316E-07
6	-4.316E-07
6	-1.382E-06
6	-1.382E-06
7	-7.424E-07
7	-7.424E-07
7	-7.716E-06
7	-7.716E-06
7	-8.757E-07
7	-8.757E-07
7	-3.320E-07
7	-3.320E-07
7	-4.316E-07
7	-4.316E-07
7	-1.382E-06
7	-1.382E-06
8	-7.424E-07
8	-7.424E-07
8	-7.716E-06
8	-7.716E-06
8	-8.757E-07
8	-8.757E-07
8	-3.320E-07
8	-3.320E-07
8	-4.316E-07
8	-4.316E-07
8	-1.382E-06
8	-1.382E-06
9	-7.424E-07
9	-7.424E-07
9	-7.716E-06
9	-7.716E-06
9	-8.757E-07
9	-8.757E-07
9	-3.320E-07
9	-3.320E-07
9	-4.316E-07
9	-4.316E-07
9	-1.382E-06
9	-1.382E-06
10	-7.424E-07
10	-7.424E-07
10	-7.716E-06
10	-7.716E-06
10	-8.757E-07
10	-8.757E-07
10	-3.320E-07
10	-3.320E-07
10	-4.316E-07
10	-4.316E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
10	-1.382E-06
10	-1.382E-06
11	-7.424E-07
11	-7.424E-07
11	-7.716E-06
11	-7.716E-06
11	-8.757E-07
11	-8.757E-07
11	-3.320E-07
11	-3.320E-07
11	-4.316E-07
11	-4.316E-07
11	-1.382E-06
11	-1.382E-06
12	-7.424E-07
12	-7.424E-07
12	-7.716E-06
12	-7.716E-06
12	-8.757E-07
12	-8.757E-07
12	-3.320E-07
12	-3.320E-07
12	-4.316E-07
12	-4.316E-07
12	-1.382E-06
12	-1.382E-06
13	-7.424E-07
13	-7.424E-07
13	-7.716E-06
13	-7.716E-06
13	-8.757E-07
13	-8.757E-07
13	-3.320E-07
13	-3.320E-07
13	-4.316E-07
13	-4.316E-07
13	-1.382E-06
13	-1.382E-06
14	-7.424E-07
14	-7.424E-07
14	-7.716E-06
14	-7.716E-06
14	-8.757E-07
14	-8.757E-07
14	-3.320E-07
14	-3.320E-07
14	-4.316E-07
14	-4.316E-07
14	-1.382E-06
14	-1.382E-06
15	-7.424E-07
15	-7.424E-07
15	-7.716E-06
15	-7.716E-06
15	-8.757E-07
15	-8.757E-07
15	-3.320E-07
15	-3.320E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
15	-4.316E-07
15	-4.316E-07
15	-1.382E-06
15	-1.382E-06
16	-7.424E-07
16	-7.424E-07
16	-7.716E-06
16	-7.716E-06
16	-8.757E-07
16	-8.757E-07
16	-3.320E-07
16	-3.320E-07
16	-4.316E-07
16	-4.316E-07
16	-1.382E-06
16	-1.382E-06
17	-7.424E-07
17	-7.424E-07
17	-7.716E-06
17	-7.716E-06
17	-8.757E-07
17	-8.757E-07
17	-3.320E-07
17	-3.320E-07
17	-4.316E-07
17	-4.316E-07
17	-1.382E-06
17	-1.382E-06
18	-7.424E-07
18	-7.424E-07
18	-7.716E-06
18	-7.716E-06
18	-8.757E-07
18	-8.757E-07
18	-3.320E-07
18	-3.320E-07
18	-4.316E-07
18	-4.316E-07
18	-1.382E-06
18	-1.382E-06
19	-7.424E-07
19	-7.424E-07
19	-7.716E-06
19	-7.716E-06
19	-8.757E-07
19	-8.757E-07
19	-3.320E-07
19	-3.320E-07
19	-4.316E-07
19	-4.316E-07
19	-1.382E-06
19	-1.382E-06
20	-7.424E-07
20	-7.424E-07
20	-7.716E-06
20	-7.716E-06
20	-8.757E-07
20	-8.757E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
20	-3.320E-07
20	-3.320E-07
20	-4.316E-07
20	-4.316E-07
20	-1.382E-06
20	-1.382E-06
21	-7.424E-07
21	-7.424E-07
21	-7.716E-06
21	-7.716E-06
21	-8.757E-07
21	-8.757E-07
21	-3.320E-07
21	-3.320E-07
21	-4.316E-07
21	-4.316E-07
21	-1.382E-06
21	-1.382E-06
22	-7.424E-07
22	-7.424E-07
22	-7.716E-06
22	-7.716E-06
22	-8.757E-07
22	-8.757E-07
22	-3.320E-07
22	-3.320E-07
22	-4.316E-07
22	-4.316E-07
22	-1.382E-06
22	-1.382E-06
23	-7.424E-07
23	-7.424E-07
23	-7.716E-06
23	-7.716E-06
23	-8.757E-07
23	-8.757E-07
23	-3.320E-07
23	-3.320E-07
23	-4.316E-07
23	-4.316E-07
23	-1.382E-06
23	-1.382E-06
24	-7.424E-07
24	-7.424E-07
24	-7.716E-06
24	-7.716E-06
24	-8.757E-07
24	-8.757E-07
24	-3.320E-07
24	-3.320E-07
24	-4.316E-07
24	-4.316E-07
24	-1.382E-06
24	-1.382E-06
25	-7.424E-07
25	-7.424E-07
25	-7.716E-06
25	-7.716E-06

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
25	-8.757E-07
25	-8.757E-07
25	-3.320E-07
25	-3.320E-07
25	-4.316E-07
25	-4.316E-07
25	-1.382E-06
25	-1.382E-06
26	-7.424E-07
26	-7.424E-07
26	-7.716E-06
26	-7.716E-06
26	-8.757E-07
26	-8.757E-07
26	-3.320E-07
26	-3.320E-07
26	-4.316E-07
26	-4.316E-07
26	-1.382E-06
26	-1.382E-06
27	-7.424E-07
27	-7.424E-07
27	-7.716E-06
27	-7.716E-06
27	-8.757E-07
27	-8.757E-07
27	-3.320E-07
27	-3.320E-07
27	-4.316E-07
27	-4.316E-07
27	-1.382E-06
27	-1.382E-06
28	-7.424E-07
28	-7.424E-07
28	-7.716E-06
28	-7.716E-06
28	-8.757E-07
28	-8.757E-07
28	-3.320E-07
28	-3.320E-07
28	-4.316E-07
28	-4.316E-07
28	-1.382E-06
28	-1.382E-06
29	-7.424E-07
29	-7.424E-07
29	-7.716E-06
29	-7.716E-06
29	-8.757E-07
29	-8.757E-07
29	-3.320E-07
29	-3.320E-07
29	-4.316E-07
29	-4.316E-07
29	-1.382E-06
29	-1.382E-06
30	-7.424E-07
30	-7.424E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
30	-7.716E-06
30	-7.716E-06
30	-8.757E-07
30	-8.757E-07
30	-3.320E-07
30	-3.320E-07
30	-4.316E-07
30	-4.316E-07
30	-1.382E-06
30	-1.382E-06
31	-7.424E-07
31	-7.424E-07
31	-7.716E-06
31	-7.716E-06
31	-8.757E-07
31	-8.757E-07
31	-3.320E-07
31	-3.320E-07
31	-4.316E-07
31	-4.316E-07
31	-1.382E-06
31	-1.382E-06
32	-7.424E-07
32	-7.424E-07
32	-7.716E-06
32	-7.716E-06
32	-8.757E-07
32	-8.757E-07
32	-3.320E-07
32	-3.320E-07
32	-4.316E-07
32	-4.316E-07
32	-1.382E-06
32	-1.382E-06
33	-7.424E-07
33	-7.424E-07
33	-7.716E-06
33	-7.716E-06
33	-8.757E-07
33	-8.757E-07
33	-3.320E-07
33	-3.320E-07
33	-4.316E-07
33	-4.316E-07
33	-1.382E-06
33	-1.382E-06
34	-7.424E-07
34	-7.424E-07
34	-7.716E-06
34	-7.716E-06
34	-8.757E-07
34	-8.757E-07
34	-3.320E-07
34	-3.320E-07
34	-4.316E-07
34	-4.316E-07
34	-1.382E-06
34	-1.382E-06

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
35	-7.424E-07
35	-7.424E-07
35	-7.716E-06
35	-7.716E-06
35	-8.757E-07
35	-8.757E-07
35	-3.320E-07
35	-3.320E-07
35	-4.316E-07
35	-4.316E-07
35	-1.382E-06
35	-1.382E-06
36	-7.424E-07
36	-7.424E-07
36	-7.716E-06
36	-7.716E-06
36	-8.757E-07
36	-8.757E-07
36	-3.320E-07
36	-3.320E-07
36	-4.316E-07
36	-4.316E-07
36	-1.382E-06
36	-1.382E-06
37	-7.424E-07
37	-7.424E-07
37	-7.716E-06
37	-7.716E-06
37	-8.757E-07
37	-8.757E-07
37	-3.320E-07
37	-3.320E-07
37	-4.316E-07
37	-4.316E-07
37	-1.382E-06
37	-1.382E-06
38	-7.424E-07
38	-7.424E-07
38	-7.716E-06
38	-7.716E-06
38	-8.757E-07
38	-8.757E-07
38	-3.320E-07
38	-3.320E-07
38	-4.316E-07
38	-4.316E-07
38	-1.382E-06
38	-1.382E-06
39	-7.424E-07
39	-7.424E-07
39	-7.716E-06
39	-7.716E-06
39	-8.757E-07
39	-8.757E-07
39	-3.320E-07
39	-3.320E-07
39	-4.316E-07
39	-4.316E-07



**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
39	-1.382E-06
39	-1.382E-06
40	-7.424E-07
40	-7.424E-07
40	-7.716E-06
40	-7.716E-06
40	-8.757E-07
40	-8.757E-07
40	-3.320E-07
40	-3.320E-07
40	-4.316E-07
40	-4.316E-07
40	-1.382E-06
40	-1.382E-06
41	-7.424E-07
41	-7.424E-07
41	-7.716E-06
41	-7.716E-06
41	-8.757E-07
41	-8.757E-07
41	-3.320E-07
41	-3.320E-07
41	-4.316E-07
41	-4.316E-07
41	-1.382E-06
41	-1.382E-06
42	-7.424E-07
42	-7.424E-07
42	-7.716E-06
42	-7.716E-06
42	-8.757E-07
42	-8.757E-07
42	-3.320E-07
42	-3.320E-07
42	-4.316E-07
42	-4.316E-07
42	-1.382E-06
42	-1.382E-06
43	-7.424E-07
43	-7.424E-07
43	-7.716E-06
43	-7.716E-06
43	-8.757E-07
43	-8.757E-07
43	-3.320E-07
43	-3.320E-07
43	-4.316E-07
43	-4.316E-07
43	-1.382E-06
43	-1.382E-06
44	-7.424E-07
44	-7.424E-07
44	-7.716E-06
44	-7.716E-06
44	-8.757E-07
44	-8.757E-07
44	-3.320E-07
44	-3.320E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
44	-4.316E-07
44	-4.316E-07
44	-1.382E-06
44	-1.382E-06
45	-7.424E-07
45	-7.424E-07
45	-7.716E-06
45	-7.716E-06
45	-8.757E-07
45	-8.757E-07
45	-3.320E-07
45	-3.320E-07
45	-4.316E-07
45	-4.316E-07
45	-1.382E-06
45	-1.382E-06
46	-7.424E-07
46	-7.424E-07
46	-7.716E-06
46	-7.716E-06
46	-8.757E-07
46	-8.757E-07
46	-3.320E-07
46	-3.320E-07
46	-4.316E-07
46	-4.316E-07
46	-1.382E-06
46	-1.382E-06
47	-7.424E-07
47	-7.424E-07
47	-7.716E-06
47	-7.716E-06
47	-8.757E-07
47	-8.757E-07
47	-3.320E-07
47	-3.320E-07
47	-4.316E-07
47	-4.316E-07
47	-1.382E-06
47	-1.382E-06
48	-7.424E-07
48	-7.424E-07
48	-7.716E-06
48	-7.716E-06
48	-8.757E-07
48	-8.757E-07
48	-3.320E-07
48	-3.320E-07
48	-4.316E-07
48	-4.316E-07
48	-1.382E-06
48	-1.382E-06
49	-7.424E-07
49	-7.424E-07
49	-7.716E-06
49	-7.716E-06
49	-8.757E-07
49	-8.757E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
49	-3.320E-07
49	-3.320E-07
49	-4.316E-07
49	-4.316E-07
49	-1.382E-06
49	-1.382E-06
50	-7.424E-07
50	-7.424E-07
50	-7.716E-06
50	-7.716E-06
50	-8.757E-07
50	-8.757E-07
50	-3.320E-07
50	-3.320E-07
50	-4.316E-07
50	-4.316E-07
50	-1.382E-06
50	-1.382E-06
51	-7.424E-07
51	-7.424E-07
51	-7.716E-06
51	-7.716E-06
51	-8.757E-07
51	-8.757E-07
51	-3.320E-07
51	-3.320E-07
51	-4.316E-07
51	-4.316E-07
51	-1.382E-06
51	-1.382E-06
52	-7.424E-07
52	-7.424E-07
52	-7.716E-06
52	-7.716E-06
52	-8.757E-07
52	-8.757E-07
52	-3.320E-07
52	-3.320E-07
52	-4.316E-07
52	-4.316E-07
52	-1.382E-06
52	-1.382E-06
53	-7.424E-07
53	-7.424E-07
53	-7.716E-06
53	-7.716E-06
53	-8.757E-07
53	-8.757E-07
53	-3.320E-07
53	-3.320E-07
53	-4.316E-07
53	-4.316E-07
53	-1.382E-06
53	-1.382E-06
54	-7.424E-07
54	-7.424E-07
54	-7.716E-06
54	-7.716E-06

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
54	-8.757E-07
54	-8.757E-07
54	-3.320E-07
54	-3.320E-07
54	-4.316E-07
54	-4.316E-07
54	-1.382E-06
54	-1.382E-06
55	-7.424E-07
55	-7.424E-07
55	-7.716E-06
55	-7.716E-06
55	-8.757E-07
55	-8.757E-07
55	-3.320E-07
55	-3.320E-07
55	-4.316E-07
55	-4.316E-07
55	-1.382E-06
55	-1.382E-06
56	-7.424E-07
56	-7.424E-07
56	-7.716E-06
56	-7.716E-06
56	-8.757E-07
56	-8.757E-07
56	-3.320E-07
56	-3.320E-07
56	-4.316E-07
56	-4.316E-07
56	-1.382E-06
56	-1.382E-06
57	-7.424E-07
57	-7.424E-07
57	-7.716E-06
57	-7.716E-06
57	-8.757E-07
57	-8.757E-07
57	-3.320E-07
57	-3.320E-07
57	-4.316E-07
57	-4.316E-07
57	-1.382E-06
57	-1.382E-06
58	-7.424E-07
58	-7.424E-07
58	-7.716E-06
58	-7.716E-06
58	-8.757E-07
58	-8.757E-07
58	-3.320E-07
58	-3.320E-07
58	-4.316E-07
58	-4.316E-07
58	-1.382E-06
58	-1.382E-06
59	-7.424E-07
59	-7.424E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
59	-7.716E-06
59	-7.716E-06
59	-8.757E-07
59	-8.757E-07
59	-3.320E-07
59	-3.320E-07
59	-4.316E-07
59	-4.316E-07
59	-1.382E-06
59	-1.382E-06
60	-7.424E-07
60	-7.424E-07
60	-7.716E-06
60	-7.716E-06
60	-8.757E-07
60	-8.757E-07
60	-3.320E-07
60	-3.320E-07
60	-4.316E-07
60	-4.316E-07
60	-1.382E-06
60	-1.382E-06
61	-7.424E-07
61	-7.424E-07
61	-7.716E-06
61	-7.716E-06
61	-8.757E-07
61	-8.757E-07
61	-3.320E-07
61	-3.320E-07
61	-4.316E-07
61	-4.316E-07
61	-1.382E-06
61	-1.382E-06
62	-7.424E-07
62	-7.424E-07
62	-7.716E-06
62	-7.716E-06
62	-8.757E-07
62	-8.757E-07
62	-3.320E-07
62	-3.320E-07
62	-4.316E-07
62	-4.316E-07
62	-1.382E-06
62	-1.382E-06
63	-7.424E-07
63	-7.424E-07
63	-7.716E-06
63	-7.716E-06
63	-8.757E-07
63	-8.757E-07
63	-3.320E-07
63	-3.320E-07
63	-4.316E-07
63	-4.316E-07
63	-1.382E-06
63	-1.382E-06

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
64	-7.424E-07
64	-7.424E-07
64	-7.716E-06
64	-7.716E-06
64	-8.757E-07
64	-8.757E-07
64	-3.320E-07
64	-3.320E-07
64	-4.316E-07
64	-4.316E-07
64	-1.382E-06
64	-1.382E-06
65	-7.424E-07
65	-7.424E-07
65	-7.716E-06
65	-7.716E-06
65	-8.757E-07
65	-8.757E-07
65	-3.320E-07
65	-3.320E-07
65	-4.316E-07
65	-4.316E-07
65	-1.382E-06
65	-1.382E-06
66	-7.424E-07
66	-7.424E-07
66	-7.716E-06
66	-7.716E-06
66	-8.757E-07
66	-8.757E-07
66	-3.320E-07
66	-3.320E-07
66	-4.316E-07
66	-4.316E-07
66	-1.382E-06
66	-1.382E-06
67	-7.424E-07
67	-7.424E-07
67	-7.716E-06
67	-7.716E-06
67	-8.757E-07
67	-8.757E-07
67	-3.320E-07
67	-3.320E-07
67	-4.316E-07
67	-4.316E-07
67	-1.382E-06
67	-1.382E-06
68	-7.424E-07
68	-7.424E-07
68	-7.716E-06
68	-7.716E-06
68	-8.757E-07
68	-8.757E-07
68	-3.320E-07
68	-3.320E-07
68	-4.316E-07
68	-4.316E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
68	-1.382E-06
68	-1.382E-06
69	-7.424E-07
69	-7.424E-07
69	-7.716E-06
69	-7.716E-06
69	-8.757E-07
69	-8.757E-07
69	-3.320E-07
69	-3.320E-07
69	-4.316E-07
69	-4.316E-07
69	-1.382E-06
69	-1.382E-06
70	-7.424E-07
70	-7.424E-07
70	-7.716E-06
70	-7.716E-06
70	-8.757E-07
70	-8.757E-07
70	-3.320E-07
70	-3.320E-07
70	-4.316E-07
70	-4.316E-07
70	-1.382E-06
70	-1.382E-06
71	-7.424E-07
71	-7.424E-07
71	-7.716E-06
71	-7.716E-06
71	-8.757E-07
71	-8.757E-07
71	-3.320E-07
71	-3.320E-07
71	-4.316E-07
71	-4.316E-07
71	-1.382E-06
71	-1.382E-06
72	-7.424E-07
72	-7.424E-07
72	-7.716E-06
72	-7.716E-06
72	-8.757E-07
72	-8.757E-07
72	-3.320E-07
72	-3.320E-07
72	-4.316E-07
72	-4.316E-07
72	-1.382E-06
72	-1.382E-06
73	-7.424E-07
73	-7.424E-07
73	-7.716E-06
73	-7.716E-06
73	-8.757E-07
73	-8.757E-07
73	-3.320E-07
73	-3.320E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
73	-4.316E-07
73	-4.316E-07
73	-1.382E-06
73	-1.382E-06
74	-7.424E-07
74	-7.424E-07
74	-7.716E-06
74	-7.716E-06
74	-8.757E-07
74	-8.757E-07
74	-3.320E-07
74	-3.320E-07
74	-4.316E-07
74	-4.316E-07
74	-1.382E-06
74	-1.382E-06
75	-7.424E-07
75	-7.424E-07
75	-7.716E-06
75	-7.716E-06
75	-8.757E-07
75	-8.757E-07
75	-3.320E-07
75	-3.320E-07
75	-4.316E-07
75	-4.316E-07
75	-1.382E-06
75	-1.382E-06
76	-7.424E-07
76	-7.424E-07
76	-7.716E-06
76	-7.716E-06
76	-8.757E-07
76	-8.757E-07
76	-3.320E-07
76	-3.320E-07
76	-4.316E-07
76	-4.316E-07
76	-1.382E-06
76	-1.382E-06
77	-7.424E-07
77	-7.424E-07
77	-7.716E-06
77	-7.716E-06
77	-8.757E-07
77	-8.757E-07
77	-3.320E-07
77	-3.320E-07
77	-4.316E-07
77	-4.316E-07
77	-1.382E-06
77	-1.382E-06
78	-7.424E-07
78	-7.424E-07
78	-7.716E-06
78	-7.716E-06
78	-8.757E-07
78	-8.757E-07



**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
78	-3.320E-07
78	-3.320E-07
78	-4.316E-07
78	-4.316E-07
78	-1.382E-06
78	-1.382E-06
79	-7.424E-07
79	-7.424E-07
79	-7.716E-06
79	-7.716E-06
79	-8.757E-07
79	-8.757E-07
79	-3.320E-07
79	-3.320E-07
79	-4.316E-07
79	-4.316E-07
79	-1.382E-06
79	-1.382E-06
80	-7.424E-07
80	-7.424E-07
80	-7.716E-06
80	-7.716E-06
80	-8.757E-07
80	-8.757E-07
80	-3.320E-07
80	-3.320E-07
80	-4.316E-07
80	-4.316E-07
80	-1.382E-06
80	-1.382E-06
81	-7.424E-07
81	-7.424E-07
81	-7.716E-06
81	-7.716E-06
81	-8.757E-07
81	-8.757E-07
81	-3.320E-07
81	-3.320E-07
81	-4.316E-07
81	-4.316E-07
81	-1.382E-06
81	-1.382E-06
82	-7.424E-07
82	-7.424E-07
82	-7.716E-06
82	-7.716E-06
82	-8.757E-07
82	-8.757E-07
82	-3.320E-07
82	-3.320E-07
82	-4.316E-07
82	-4.316E-07
82	-1.382E-06
82	-1.382E-06
83	-7.424E-07
83	-7.424E-07
83	-7.716E-06
83	-7.716E-06

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
83	-8.757E-07
83	-8.757E-07
83	-3.320E-07
83	-3.320E-07
83	-4.316E-07
83	-4.316E-07
83	-1.382E-06
83	-1.382E-06
84	-7.424E-07
84	-7.424E-07
84	-7.716E-06
84	-7.716E-06
84	-8.757E-07
84	-8.757E-07
84	-3.320E-07
84	-3.320E-07
84	-4.316E-07
84	-4.316E-07
84	-1.382E-06
84	-1.382E-06
85	-7.424E-07
85	-7.424E-07
85	-7.716E-06
85	-7.716E-06
85	-8.757E-07
85	-8.757E-07
85	-3.320E-07
85	-3.320E-07
85	-4.316E-07
85	-4.316E-07
85	-1.382E-06
85	-1.382E-06
86	-7.424E-07
86	-7.424E-07
86	-7.716E-06
86	-7.716E-06
86	-8.757E-07
86	-8.757E-07
86	-3.320E-07
86	-3.320E-07
86	-4.316E-07
86	-4.316E-07
86	-1.382E-06
86	-1.382E-06
87	-7.424E-07
87	-7.424E-07
87	-7.716E-06
87	-7.716E-06
87	-8.757E-07
87	-8.757E-07
87	-3.320E-07
87	-3.320E-07
87	-4.316E-07
87	-4.316E-07
87	-1.382E-06
87	-1.382E-06
88	-7.424E-07
88	-7.424E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
88	-7.716E-06
88	-7.716E-06
88	-8.757E-07
88	-8.757E-07
88	-3.320E-07
88	-3.320E-07
88	-4.316E-07
88	-4.316E-07
88	-1.382E-06
88	-1.382E-06
89	-7.424E-07
89	-7.424E-07
89	-7.716E-06
89	-7.716E-06
89	-8.757E-07
89	-8.757E-07
89	-3.320E-07
89	-3.320E-07
89	-4.316E-07
89	-4.316E-07
89	-1.382E-06
89	-1.382E-06
90	-7.424E-07
90	-7.424E-07
90	-7.716E-06
90	-7.716E-06
90	-8.757E-07
90	-8.757E-07
90	-3.320E-07
90	-3.320E-07
90	-4.316E-07
90	-4.316E-07
90	-1.382E-06
90	-1.382E-06
91	-7.424E-07
91	-7.424E-07
91	-7.716E-06
91	-7.716E-06
91	-8.757E-07
91	-8.757E-07
91	-3.320E-07
91	-3.320E-07
91	-4.316E-07
91	-4.316E-07
91	-1.382E-06
91	-1.382E-06
92	-7.424E-07
92	-7.424E-07
92	-7.716E-06
92	-7.716E-06
92	-8.757E-07
92	-8.757E-07
92	-3.320E-07
92	-3.320E-07
92	-4.316E-07
92	-4.316E-07
92	-1.382E-06
92	-1.382E-06

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
93	-7.424E-07
93	-7.424E-07
93	-7.716E-06
93	-7.716E-06
93	-8.757E-07
93	-8.757E-07
93	-3.320E-07
93	-3.320E-07
93	-4.316E-07
93	-4.316E-07
93	-1.382E-06
93	-1.382E-06
94	-7.424E-07
94	-7.424E-07
94	-7.716E-06
94	-7.716E-06
94	-8.757E-07
94	-8.757E-07
94	-3.320E-07
94	-3.320E-07
94	-4.316E-07
94	-4.316E-07
94	-1.382E-06
94	-1.382E-06
95	-7.424E-07
95	-7.424E-07
95	-7.716E-06
95	-7.716E-06
95	-8.757E-07
95	-8.757E-07
95	-3.320E-07
95	-3.320E-07
95	-4.316E-07
95	-4.316E-07
95	-1.382E-06
95	-1.382E-06
96	-7.424E-07
96	-7.424E-07
96	-7.716E-06
96	-7.716E-06
96	-8.757E-07
96	-8.757E-07
96	-3.320E-07
96	-3.320E-07
96	-4.316E-07
96	-4.316E-07
96	-1.382E-06
96	-1.382E-06
97	-7.424E-07
97	-7.424E-07
97	-7.716E-06
97	-7.716E-06
97	-8.757E-07
97	-8.757E-07
97	-3.320E-07
97	-3.320E-07
97	-4.316E-07
97	-4.316E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
97	-1.382E-06
97	-1.382E-06
98	-7.424E-07
98	-7.424E-07
98	-7.716E-06
98	-7.716E-06
98	-8.757E-07
98	-8.757E-07
98	-3.320E-07
98	-3.320E-07
98	-4.316E-07
98	-4.316E-07
98	-1.382E-06
98	-1.382E-06
99	-7.424E-07
99	-7.424E-07
99	-7.716E-06
99	-7.716E-06
99	-8.757E-07
99	-8.757E-07
99	-3.320E-07
99	-3.320E-07
99	-4.316E-07
99	-4.316E-07
99	-1.382E-06
99	-1.382E-06
100	-7.424E-07
100	-7.424E-07
100	-7.716E-06
100	-7.716E-06
100	-8.757E-07
100	-8.757E-07
100	-3.320E-07
100	-3.320E-07
100	-4.316E-07
100	-4.316E-07
100	-1.382E-06
100	-1.382E-06
101	-7.424E-07
101	-7.424E-07
101	-7.716E-06
101	-7.716E-06
101	-8.757E-07
101	-8.757E-07
101	-3.320E-07
101	-3.320E-07
101	-4.316E-07
101	-4.316E-07
101	-1.382E-06
101	-1.382E-06
102	-7.424E-07
102	-7.424E-07
102	-7.716E-06
102	-7.716E-06
102	-8.757E-07
102	-8.757E-07
102	-3.320E-07
102	-3.320E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
102	-4.316E-07
102	-4.316E-07
102	-1.382E-06
102	-1.382E-06
103	-7.424E-07
103	-7.424E-07
103	-7.716E-06
103	-7.716E-06
103	-8.757E-07
103	-8.757E-07
103	-3.320E-07
103	-3.320E-07
103	-4.316E-07
103	-4.316E-07
103	-1.382E-06
103	-1.382E-06
104	-7.424E-07
104	-7.424E-07
104	-7.716E-06
104	-7.716E-06
104	-8.757E-07
104	-8.757E-07
104	-3.320E-07
104	-3.320E-07
104	-4.316E-07
104	-4.316E-07
104	-1.382E-06
104	-1.382E-06
105	-7.424E-07
105	-7.424E-07
105	-7.716E-06
105	-7.716E-06
105	-8.757E-07
105	-8.757E-07
105	-3.320E-07
105	-3.320E-07
105	-4.316E-07
105	-4.316E-07
105	-1.382E-06
105	-1.382E-06
106	-7.424E-07
106	-7.424E-07
106	-7.716E-06
106	-7.716E-06
106	-8.757E-07
106	-8.757E-07
106	-3.320E-07
106	-3.320E-07
106	-4.316E-07
106	-4.316E-07
106	-1.382E-06
106	-1.382E-06
107	-7.424E-07
107	-7.424E-07
107	-7.716E-06
107	-7.716E-06
107	-8.757E-07
107	-8.757E-07

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
107	-3.320E-07
107	-3.320E-07
107	-4.316E-07
107	-4.316E-07
107	-1.382E-06
107	-1.382E-06
108	-7.424E-07
108	-7.424E-07
108	-7.716E-06
108	-7.716E-06
108	-8.757E-07
108	-8.757E-07
108	-3.320E-07
108	-3.320E-07
108	-4.316E-07
108	-4.316E-07
108	-1.382E-06
108	-1.382E-06
109	-7.424E-07
109	-7.424E-07
109	-7.716E-06
109	-7.716E-06
109	-8.757E-07
109	-8.757E-07
109	-3.320E-07
109	-3.320E-07
109	-4.316E-07
109	-4.316E-07
109	-1.382E-06
109	-1.382E-06
110	-7.424E-07
110	-7.424E-07
110	-7.716E-06
110	-7.716E-06
110	-8.757E-07
110	-8.757E-07
110	-3.320E-07
110	-3.320E-07
110	-4.316E-07
110	-4.316E-07
110	-1.382E-06
110	-1.382E-06
111	-7.424E-07
111	-7.424E-07
111	-7.716E-06
111	-7.716E-06
111	-8.757E-07
111	-8.757E-07
111	-3.320E-07
111	-3.320E-07
111	-4.316E-07
111	-4.316E-07
111	-1.382E-06
111	-1.382E-06
112	-7.424E-07
112	-7.424E-07
112	-7.716E-06
112	-7.716E-06

**Table 19: Joint Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
112	-8.757E-07
112	-8.757E-07
112	-3.320E-07
112	-3.320E-07
112	-4.316E-07
112	-4.316E-07
112	-1.382E-06
112	-1.382E-06
113	-7.424E-07
113	-7.424E-07
113	-7.716E-06
113	-7.716E-06
113	-8.757E-07
113	-8.757E-07
113	-3.320E-07
113	-3.320E-07
113	-4.316E-07
113	-4.316E-07
113	-1.382E-06
113	-1.382E-06
114	-7.424E-07
114	-7.424E-07
114	-7.716E-06
114	-7.716E-06
114	-8.757E-07
114	-8.757E-07
114	-3.320E-07
114	-3.320E-07
114	-4.316E-07
114	-4.316E-07
114	-1.382E-06
114	-1.382E-06
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
23~Link	0.
23~Link	0.



**Table 19: Joint  
Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
32~Link	0.
32~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.



**Table 19: Joint  
Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
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85~Link	0.
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85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
85~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
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86~Link	0.
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86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
86~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
87~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
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88~Link	0.
88~Link	0.
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88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
88~Link	0.
89~Link	0.
89~Link	0.

**Table 19: Joint  
Displacements, Part 2 of 2**

Joint	R3 Radians
89~Link	0.
89~Link	0.
89~Link	0.
89~Link	0.
89~Link	0.
89~Link	0.
89~Link	0.
89~Link	0.
89~Link	0.
89~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
90~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
91~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
92~Link	0.
93~Link	0.
93~Link	0.
93~Link	0.
93~Link	0.
93~Link	0.
93~Link	0.
93~Link	0.
93~Link	0.
93~Link	0.
93~Link	0.
93~Link	0.
93~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
94~Link	0.
94~Link	0.
94~Link	0.
94~Link	0.
94~Link	0.
94~Link	0.
94~Link	0.
94~Link	0.
94~Link	0.
94~Link	0.
94~Link	0.
94~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
95~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.



**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
3~Link	0.
3~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.

Table 19: Joint  
Displacements, Part 2 of 2

Joint	R3 Radians
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.





**Table 19: Joint Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3</b> Radians
98~Link	0.
98~Link	0.
98~Link	0.
98~Link	0.
98~Link	0.
98~Link	0.
98~Link	0.
98~Link	0.
98~Link	0.
98~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
99~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
100~Link	0.
101~Link	0.
101~Link	0.
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101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
101~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.
102~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
103~Link	0.
103~Link	0.
103~Link	0.
103~Link	0.
103~Link	0.
103~Link	0.
103~Link	0.
103~Link	0.
103~Link	0.
103~Link	0.
103~Link	0.
103~Link	0.
104~Link	0.
104~Link	0.
104~Link	0.
104~Link	0.
104~Link	0.
104~Link	0.
104~Link	0.
104~Link	0.
104~Link	0.
104~Link	0.
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104~Link	0.
104~Link	0.
104~Link	0.
104~Link	0.
105~Link	0.
105~Link	0.
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105~Link	0.
105~Link	0.
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105~Link	0.
105~Link	0.
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105~Link	0.
105~Link	0.
105~Link	0.
105~Link	0.
105~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
106~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.
107~Link	0.



**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
112~Link	0.
112~Link	0.
112~Link	0.
112~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
113~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
114~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.







**Table 19: Joint  
 Displacements, Part 2 of 2**

Joint	R3 Radians
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
61~Link	0.
61~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

<b>Joint</b>	<b>R3 Radians</b>
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.

**Table 19: Joint Displacements, Part 2 of 2**

Joint	R3 Radians
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.

**Table 20: Joint Reactions, Part 1 of 2**

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
1	SLE_dreno	Max	0.	0.	0.	0.	0.
1	SLE_dreno	Min	0.	0.	0.	0.	0.
1	SLU_dreno	Max	0.	0.	0.	0.	0.
1	SLU_dreno	Min	0.	0.	0.	0.	0.
1	SLV_dreno	Max	0.	0.	0.	0.	0.
1	SLV_dreno	Min	0.	0.	0.	0.	0.
1	SLE_calotta	Max	0.	0.	0.	0.	0.
1	SLE_calotta	Min	0.	0.	0.	0.	0.
1	SLU_calotta	Max	0.	0.	0.	0.	0.
1	SLU_calotta	Min	0.	0.	0.	0.	0.
1	SLV_calotta	Max	0.	0.	0.	0.	0.
1	SLV_calotta	Min	0.	0.	0.	0.	0.
2	SLE_dreno	Max	0.	0.	0.	0.	0.
2	SLE_dreno	Min	0.	0.	0.	0.	0.
2	SLU_dreno	Max	0.	0.	0.	0.	0.
2	SLU_dreno	Min	0.	0.	0.	0.	0.
2	SLV_dreno	Max	0.	0.	0.	0.	0.
2	SLV_dreno	Min	0.	0.	0.	0.	0.
2	SLE_calotta	Max	0.	0.	0.	0.	0.
2	SLE_calotta	Min	0.	0.	0.	0.	0.
2	SLU_calotta	Max	0.	0.	0.	0.	0.
2	SLU_calotta	Min	0.	0.	0.	0.	0.
2	SLV_calotta	Max	0.	0.	0.	0.	0.
2	SLV_calotta	Min	0.	0.	0.	0.	0.
3	SLE_dreno	Max	0.	0.	0.	0.	0.
3	SLE_dreno	Min	0.	0.	0.	0.	0.
3	SLU_dreno	Max	0.	0.	0.	0.	0.
3	SLU_dreno	Min	0.	0.	0.	0.	0.
3	SLV_dreno	Max	0.	0.	0.	0.	0.
3	SLV_dreno	Min	0.	0.	0.	0.	0.
3	SLE_calotta	Max	0.	0.	0.	0.	0.
3	SLE_calotta	Min	0.	0.	0.	0.	0.
3	SLU_calotta	Max	0.	0.	0.	0.	0.
3	SLU_calotta	Min	0.	0.	0.	0.	0.
3	SLV_calotta	Max	0.	0.	0.	0.	0.
3	SLV_calotta	Min	0.	0.	0.	0.	0.
4	SLE_dreno	Max	0.	0.	0.	0.	0.
4	SLE_dreno	Min	0.	0.	0.	0.	0.
4	SLU_dreno	Max	0.	0.	0.	0.	0.
4	SLU_dreno	Min	0.	0.	0.	0.	0.
4	SLV_dreno	Max	0.	0.	0.	0.	0.
4	SLV_dreno	Min	0.	0.	0.	0.	0.



Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
4	SLE_calotta	Max	0.	0.	0.	0.	0.
4	SLE_calotta	Min	0.	0.	0.	0.	0.
4	SLU_calotta	Max	0.	0.	0.	0.	0.
4	SLU_calotta	Min	0.	0.	0.	0.	0.
4	SLV_calotta	Max	0.	0.	0.	0.	0.
4	SLV_calotta	Min	0.	0.	0.	0.	0.
5	SLE_dreno	Max	0.	0.	0.	0.	0.
5	SLE_dreno	Min	0.	0.	0.	0.	0.
5	SLU_dreno	Max	0.	0.	0.	0.	0.
5	SLU_dreno	Min	0.	0.	0.	0.	0.
5	SLV_dreno	Max	0.	0.	0.	0.	0.
5	SLV_dreno	Min	0.	0.	0.	0.	0.
5	SLE_calotta	Max	0.	0.	0.	0.	0.
5	SLE_calotta	Min	0.	0.	0.	0.	0.
5	SLU_calotta	Max	0.	0.	0.	0.	0.
5	SLU_calotta	Min	0.	0.	0.	0.	0.
5	SLV_calotta	Max	0.	0.	0.	0.	0.
5	SLV_calotta	Min	0.	0.	0.	0.	0.
6	SLE_dreno	Max	0.	0.	0.	0.	0.
6	SLE_dreno	Min	0.	0.	0.	0.	0.
6	SLU_dreno	Max	0.	0.	0.	0.	0.
6	SLU_dreno	Min	0.	0.	0.	0.	0.
6	SLV_dreno	Max	0.	0.	0.	0.	0.
6	SLV_dreno	Min	0.	0.	0.	0.	0.
6	SLE_calotta	Max	0.	0.	0.	0.	0.
6	SLE_calotta	Min	0.	0.	0.	0.	0.
6	SLU_calotta	Max	0.	0.	0.	0.	0.
6	SLU_calotta	Min	0.	0.	0.	0.	0.
6	SLV_calotta	Max	0.	0.	0.	0.	0.
6	SLV_calotta	Min	0.	0.	0.	0.	0.
7	SLE_dreno	Max	0.	0.	0.	0.	0.
7	SLE_dreno	Min	0.	0.	0.	0.	0.
7	SLU_dreno	Max	0.	0.	0.	0.	0.
7	SLU_dreno	Min	0.	0.	0.	0.	0.
7	SLV_dreno	Max	0.	0.	0.	0.	0.
7	SLV_dreno	Min	0.	0.	0.	0.	0.
7	SLE_calotta	Max	0.	0.	0.	0.	0.
7	SLE_calotta	Min	0.	0.	0.	0.	0.
7	SLU_calotta	Max	0.	0.	0.	0.	0.
7	SLU_calotta	Min	0.	0.	0.	0.	0.
7	SLV_calotta	Max	0.	0.	0.	0.	0.
7	SLV_calotta	Min	0.	0.	0.	0.	0.
8	SLE_dreno	Max	0.	0.	0.	0.	0.
8	SLE_dreno	Min	0.	0.	0.	0.	0.
8	SLU_dreno	Max	0.	0.	0.	0.	0.
8	SLU_dreno	Min	0.	0.	0.	0.	0.
8	SLV_dreno	Max	0.	0.	0.	0.	0.
8	SLV_dreno	Min	0.	0.	0.	0.	0.
8	SLE_calotta	Max	0.	0.	0.	0.	0.
8	SLE_calotta	Min	0.	0.	0.	0.	0.
8	SLU_calotta	Max	0.	0.	0.	0.	0.
8	SLU_calotta	Min	0.	0.	0.	0.	0.
8	SLV_calotta	Max	0.	0.	0.	0.	0.
8	SLV_calotta	Min	0.	0.	0.	0.	0.
9	SLE_dreno	Max	0.	0.	0.	0.	0.
9	SLE_dreno	Min	0.	0.	0.	0.	0.
9	SLU_dreno	Max	0.	0.	0.	0.	0.
9	SLU_dreno	Min	0.	0.	0.	0.	0.
9	SLV_dreno	Max	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
9	SLV_dreno	Min	0.	0.	0.	0.	0.
9	SLE_calotta	Max	0.	0.	0.	0.	0.
9	SLE_calotta	Min	0.	0.	0.	0.	0.
9	SLU_calotta	Max	0.	0.	0.	0.	0.
9	SLU_calotta	Min	0.	0.	0.	0.	0.
9	SLV_calotta	Max	0.	0.	0.	0.	0.
9	SLV_calotta	Min	0.	0.	0.	0.	0.
10	SLE_dreno	Max	0.	0.	0.	0.	0.
10	SLE_dreno	Min	0.	0.	0.	0.	0.
10	SLU_dreno	Max	0.	0.	0.	0.	0.
10	SLU_dreno	Min	0.	0.	0.	0.	0.
10	SLV_dreno	Max	0.	0.	0.	0.	0.
10	SLV_dreno	Min	0.	0.	0.	0.	0.
10	SLE_calotta	Max	0.	0.	0.	0.	0.
10	SLE_calotta	Min	0.	0.	0.	0.	0.
10	SLU_calotta	Max	0.	0.	0.	0.	0.
10	SLU_calotta	Min	0.	0.	0.	0.	0.
10	SLV_calotta	Max	0.	0.	0.	0.	0.
10	SLV_calotta	Min	0.	0.	0.	0.	0.
11	SLE_dreno	Max	0.	0.	0.	0.	0.
11	SLE_dreno	Min	0.	0.	0.	0.	0.
11	SLU_dreno	Max	0.	0.	0.	0.	0.
11	SLU_dreno	Min	0.	0.	0.	0.	0.
11	SLV_dreno	Max	0.	0.	0.	0.	0.
11	SLV_dreno	Min	0.	0.	0.	0.	0.
11	SLE_calotta	Max	0.	0.	0.	0.	0.
11	SLE_calotta	Min	0.	0.	0.	0.	0.
11	SLU_calotta	Max	0.	0.	0.	0.	0.
11	SLU_calotta	Min	0.	0.	0.	0.	0.
11	SLV_calotta	Max	0.	0.	0.	0.	0.
11	SLV_calotta	Min	0.	0.	0.	0.	0.
12	SLE_dreno	Max	0.	0.	0.	0.	0.
12	SLE_dreno	Min	0.	0.	0.	0.	0.
12	SLU_dreno	Max	0.	0.	0.	0.	0.
12	SLU_dreno	Min	0.	0.	0.	0.	0.
12	SLV_dreno	Max	0.	0.	0.	0.	0.
12	SLV_dreno	Min	0.	0.	0.	0.	0.
12	SLE_calotta	Max	0.	0.	0.	0.	0.
12	SLE_calotta	Min	0.	0.	0.	0.	0.
12	SLU_calotta	Max	0.	0.	0.	0.	0.
12	SLU_calotta	Min	0.	0.	0.	0.	0.
12	SLV_calotta	Max	0.	0.	0.	0.	0.
12	SLV_calotta	Min	0.	0.	0.	0.	0.
13	SLE_dreno	Max	0.	0.	0.	0.	0.
13	SLE_dreno	Min	0.	0.	0.	0.	0.
13	SLU_dreno	Max	0.	0.	0.	0.	0.
13	SLU_dreno	Min	0.	0.	0.	0.	0.
13	SLV_dreno	Max	0.	0.	0.	0.	0.
13	SLV_dreno	Min	0.	0.	0.	0.	0.
13	SLE_calotta	Max	0.	0.	0.	0.	0.
13	SLE_calotta	Min	0.	0.	0.	0.	0.
13	SLU_calotta	Max	0.	0.	0.	0.	0.
13	SLU_calotta	Min	0.	0.	0.	0.	0.
13	SLV_calotta	Max	0.	0.	0.	0.	0.
13	SLV_calotta	Min	0.	0.	0.	0.	0.
14	SLE_dreno	Max	0.	0.	0.	0.	0.
14	SLE_dreno	Min	0.	0.	0.	0.	0.
14	SLU_dreno	Max	0.	0.	0.	0.	0.
14	SLU_dreno	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
14	SLV_dreno	Max	0.	0.	0.	0.	0.
14	SLV_dreno	Min	0.	0.	0.	0.	0.
14	SLE_calotta	Max	0.	0.	0.	0.	0.
14	SLE_calotta	Min	0.	0.	0.	0.	0.
14	SLU_calotta	Max	0.	0.	0.	0.	0.
14	SLU_calotta	Min	0.	0.	0.	0.	0.
14	SLV_calotta	Max	0.	0.	0.	0.	0.
14	SLV_calotta	Min	0.	0.	0.	0.	0.
15	SLE_dreno	Max	0.	0.	0.	0.	0.
15	SLE_dreno	Min	0.	0.	0.	0.	0.
15	SLU_dreno	Max	0.	0.	0.	0.	0.
15	SLU_dreno	Min	0.	0.	0.	0.	0.
15	SLV_dreno	Max	0.	0.	0.	0.	0.
15	SLV_dreno	Min	0.	0.	0.	0.	0.
15	SLE_calotta	Max	0.	0.	0.	0.	0.
15	SLE_calotta	Min	0.	0.	0.	0.	0.
15	SLU_calotta	Max	0.	0.	0.	0.	0.
15	SLU_calotta	Min	0.	0.	0.	0.	0.
15	SLV_calotta	Max	0.	0.	0.	0.	0.
15	SLV_calotta	Min	0.	0.	0.	0.	0.
16	SLE_dreno	Max	0.	0.	0.	0.	0.
16	SLE_dreno	Min	0.	0.	0.	0.	0.
16	SLU_dreno	Max	0.	0.	0.	0.	0.
16	SLU_dreno	Min	0.	0.	0.	0.	0.
16	SLV_dreno	Max	0.	0.	0.	0.	0.
16	SLV_dreno	Min	0.	0.	0.	0.	0.
16	SLE_calotta	Max	0.	0.	0.	0.	0.
16	SLE_calotta	Min	0.	0.	0.	0.	0.
16	SLU_calotta	Max	0.	0.	0.	0.	0.
16	SLU_calotta	Min	0.	0.	0.	0.	0.
16	SLV_calotta	Max	0.	0.	0.	0.	0.
16	SLV_calotta	Min	0.	0.	0.	0.	0.
17	SLE_dreno	Max	0.	0.	0.	0.	0.
17	SLE_dreno	Min	0.	0.	0.	0.	0.
17	SLU_dreno	Max	0.	0.	0.	0.	0.
17	SLU_dreno	Min	0.	0.	0.	0.	0.
17	SLV_dreno	Max	0.	0.	0.	0.	0.
17	SLV_dreno	Min	0.	0.	0.	0.	0.
17	SLE_calotta	Max	0.	0.	0.	0.	0.
17	SLE_calotta	Min	0.	0.	0.	0.	0.
17	SLU_calotta	Max	0.	0.	0.	0.	0.
17	SLU_calotta	Min	0.	0.	0.	0.	0.
17	SLV_calotta	Max	0.	0.	0.	0.	0.
17	SLV_calotta	Min	0.	0.	0.	0.	0.
18	SLE_dreno	Max	0.	0.	0.	0.	0.
18	SLE_dreno	Min	0.	0.	0.	0.	0.
18	SLU_dreno	Max	0.	0.	0.	0.	0.
18	SLU_dreno	Min	0.	0.	0.	0.	0.
18	SLV_dreno	Max	0.	0.	0.	0.	0.
18	SLV_dreno	Min	0.	0.	0.	0.	0.
18	SLE_calotta	Max	0.	0.	0.	0.	0.
18	SLE_calotta	Min	0.	0.	0.	0.	0.
18	SLU_calotta	Max	0.	0.	0.	0.	0.
18	SLU_calotta	Min	0.	0.	0.	0.	0.
18	SLV_calotta	Max	0.	0.	0.	0.	0.
18	SLV_calotta	Min	0.	0.	0.	0.	0.
19	SLE_dreno	Max	0.	0.	0.	0.	0.
19	SLE_dreno	Min	0.	0.	0.	0.	0.
19	SLU_dreno	Max	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
19	SLU_dreno	Min	0.	0.	0.	0.	0.
19	SLV_dreno	Max	0.	0.	0.	0.	0.
19	SLV_dreno	Min	0.	0.	0.	0.	0.
19	SLE_calotta	Max	0.	0.	0.	0.	0.
19	SLE_calotta	Min	0.	0.	0.	0.	0.
19	SLU_calotta	Max	0.	0.	0.	0.	0.
19	SLU_calotta	Min	0.	0.	0.	0.	0.
19	SLV_calotta	Max	0.	0.	0.	0.	0.
19	SLV_calotta	Min	0.	0.	0.	0.	0.
20	SLE_dreno	Max	0.	0.	0.	0.	0.
20	SLE_dreno	Min	0.	0.	0.	0.	0.
20	SLU_dreno	Max	0.	0.	0.	0.	0.
20	SLU_dreno	Min	0.	0.	0.	0.	0.
20	SLV_dreno	Max	0.	0.	0.	0.	0.
20	SLV_dreno	Min	0.	0.	0.	0.	0.
20	SLE_calotta	Max	0.	0.	0.	0.	0.
20	SLE_calotta	Min	0.	0.	0.	0.	0.
20	SLU_calotta	Max	0.	0.	0.	0.	0.
20	SLU_calotta	Min	0.	0.	0.	0.	0.
20	SLV_calotta	Max	0.	0.	0.	0.	0.
20	SLV_calotta	Min	0.	0.	0.	0.	0.
21	SLE_dreno	Max	0.	0.	0.	0.	0.
21	SLE_dreno	Min	0.	0.	0.	0.	0.
21	SLU_dreno	Max	0.	0.	0.	0.	0.
21	SLU_dreno	Min	0.	0.	0.	0.	0.
21	SLV_dreno	Max	-9.226	0.	-2.161	0.	0.
21	SLV_dreno	Min	-9.226	0.	-2.161	0.	0.
21	SLE_calotta	Max	0.	0.	0.	0.	0.
21	SLE_calotta	Min	0.	0.	0.	0.	0.
21	SLU_calotta	Max	0.	0.	0.	0.	0.
21	SLU_calotta	Min	0.	0.	0.	0.	0.
21	SLV_calotta	Max	-10.559	0.	-2.474	0.	0.
21	SLV_calotta	Min	-10.559	0.	-2.474	0.	0.
22	SLE_dreno	Max	0.	0.	0.	0.	0.
22	SLE_dreno	Min	0.	0.	0.	0.	0.
22	SLU_dreno	Max	0.	0.	0.	0.	0.
22	SLU_dreno	Min	0.	0.	0.	0.	0.
22	SLV_dreno	Max	-19.676	0.	-4.371	0.	0.
22	SLV_dreno	Min	-19.676	0.	-4.371	0.	0.
22	SLE_calotta	Max	0.	0.	0.	0.	0.
22	SLE_calotta	Min	0.	0.	0.	0.	0.
22	SLU_calotta	Max	0.	0.	0.	0.	0.
22	SLU_calotta	Min	0.	0.	0.	0.	0.
22	SLV_calotta	Max	-22.81	0.	-5.063	0.	0.
22	SLV_calotta	Min	-22.81	0.	-5.063	0.	0.
23	SLE_dreno	Max	0.	0.	0.	0.	0.
23	SLE_dreno	Min	0.	0.	0.	0.	0.
23	SLU_dreno	Max	0.	0.	0.	0.	0.
23	SLU_dreno	Min	0.	0.	0.	0.	0.
23	SLV_dreno	Max	-21.944	0.	-4.374	0.	0.
23	SLV_dreno	Min	-21.944	0.	-4.374	0.	0.
23	SLE_calotta	Max	0.	0.	0.	0.	0.
23	SLE_calotta	Min	0.	0.	0.	0.	0.
23	SLU_calotta	Max	0.	0.	0.	0.	0.
23	SLU_calotta	Min	0.	0.	0.	0.	0.
23	SLV_calotta	Max	-26.051	0.	-5.189	0.	0.
23	SLV_calotta	Min	-26.051	0.	-5.189	0.	0.
24	SLE_dreno	Max	0.	0.	0.	0.	0.
24	SLE_dreno	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
24	SLU_dreno	Max	0.	0.	0.	0.	0.
24	SLU_dreno	Min	0.	0.	0.	0.	0.
24	SLV_dreno	Max	-24.201	0.	-4.276	0.	0.
24	SLV_dreno	Min	-24.201	0.	-4.276	0.	0.
24	SLE_calotta	Max	0.	0.	0.	0.	0.
24	SLE_calotta	Min	0.	0.	0.	0.	0.
24	SLU_calotta	Max	0.	0.	0.	0.	0.
24	SLU_calotta	Min	0.	0.	0.	0.	0.
24	SLV_calotta	Max	-29.29	0.	-5.171	0.	0.
24	SLV_calotta	Min	-29.29	0.	-5.171	0.	0.
25	SLE_dreno	Max	0.	0.	0.	0.	0.
25	SLE_dreno	Min	0.	0.	0.	0.	0.
25	SLU_dreno	Max	0.	0.	0.	0.	0.
25	SLU_dreno	Min	0.	0.	0.	0.	0.
25	SLV_dreno	Max	-26.442	0.	-4.077	0.	0.
25	SLV_dreno	Min	-26.442	0.	-4.077	0.	0.
25	SLE_calotta	Max	0.	0.	0.	0.	0.
25	SLE_calotta	Min	0.	0.	0.	0.	0.
25	SLU_calotta	Max	0.	0.	0.	0.	0.
25	SLU_calotta	Min	0.	0.	0.	0.	0.
25	SLV_calotta	Max	-32.52	0.	-5.011	0.	0.
25	SLV_calotta	Min	-32.52	0.	-5.011	0.	0.
26	SLE_dreno	Max	0.	0.	0.	0.	0.
26	SLE_dreno	Min	0.	0.	0.	0.	0.
26	SLU_dreno	Max	0.	0.	0.	0.	0.
26	SLU_dreno	Min	0.	0.	0.	0.	0.
26	SLV_dreno	Max	-28.658	0.	-3.779	0.	0.
26	SLV_dreno	Min	-28.658	0.	-3.779	0.	0.
26	SLE_calotta	Max	0.	0.	0.	0.	0.
26	SLE_calotta	Min	0.	0.	0.	0.	0.
26	SLU_calotta	Max	0.	0.	0.	0.	0.
26	SLU_calotta	Min	0.	0.	0.	0.	0.
26	SLV_calotta	Max	-35.733	0.	-4.709	0.	0.
26	SLV_calotta	Min	-35.733	0.	-4.709	0.	0.
27	SLE_dreno	Max	0.	0.	0.	0.	0.
27	SLE_dreno	Min	0.	0.	0.	0.	0.
27	SLU_dreno	Max	0.	0.	0.	0.	0.
27	SLU_dreno	Min	0.	0.	0.	0.	0.
27	SLV_dreno	Max	-30.842	0.	-3.382	0.	0.
27	SLV_dreno	Min	-30.842	0.	-3.382	0.	0.
27	SLE_calotta	Max	0.	0.	0.	0.	0.
27	SLE_calotta	Min	0.	0.	0.	0.	0.
27	SLU_calotta	Max	0.	0.	0.	0.	0.
27	SLU_calotta	Min	0.	0.	0.	0.	0.
27	SLV_calotta	Max	-38.925	0.	-4.266	0.	0.
27	SLV_calotta	Min	-38.925	0.	-4.266	0.	0.
28	SLE_dreno	Max	0.	0.	0.	0.	0.
28	SLE_dreno	Min	0.	0.	0.	0.	0.
28	SLU_dreno	Max	0.	0.	0.	0.	0.
28	SLU_dreno	Min	0.	0.	0.	0.	0.
28	SLV_dreno	Max	-32.986	0.	-2.888	0.	0.
28	SLV_dreno	Min	-32.986	0.	-2.888	0.	0.
28	SLE_calotta	Max	0.	0.	0.	0.	0.
28	SLE_calotta	Min	0.	0.	0.	0.	0.
28	SLU_calotta	Max	0.	0.	0.	0.	0.
28	SLU_calotta	Min	0.	0.	0.	0.	0.
28	SLV_calotta	Max	-42.089	0.	-3.683	0.	0.
28	SLV_calotta	Min	-42.089	0.	-3.683	0.	0.
29	SLE_dreno	Max	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
29	SLE_dreno	Min	0.	0.	0.	0.	0.
29	SLU_dreno	Max	0.	0.	0.	0.	0.
29	SLU_dreno	Min	0.	0.	0.	0.	0.
29	SLV_dreno	Max	-35.081	0.	-2.299	0.	0.
29	SLV_dreno	Min	-35.081	0.	-2.299	0.	0.
29	SLE_calotta	Max	0.	0.	0.	0.	0.
29	SLE_calotta	Min	0.	0.	0.	0.	0.
29	SLU_calotta	Max	0.	0.	0.	0.	0.
29	SLU_calotta	Min	0.	0.	0.	0.	0.
29	SLV_calotta	Max	-45.219	0.	-2.961	0.	0.
29	SLV_calotta	Min	-45.219	0.	-2.961	0.	0.
30	SLE_dreno	Max	0.	0.	0.	0.	0.
30	SLE_dreno	Min	0.	0.	0.	0.	0.
30	SLU_dreno	Max	0.	0.	0.	0.	0.
30	SLU_dreno	Min	0.	0.	0.	0.	0.
30	SLV_dreno	Max	-37.115	0.	-1.617	0.	0.
30	SLV_dreno	Min	-37.115	0.	-1.617	0.	0.
30	SLE_calotta	Max	-0.211	0.	-6.954E-03	0.	0.
30	SLE_calotta	Min	-0.211	0.	-6.954E-03	0.	0.
30	SLU_calotta	Max	-0.275	0.	-9.040E-03	0.	0.
30	SLU_calotta	Min	-0.275	0.	-9.040E-03	0.	0.
30	SLV_calotta	Max	-48.308	0.	-2.103	0.	0.
30	SLV_calotta	Min	-48.308	0.	-2.103	0.	0.
31	SLE_dreno	Max	-0.612	0.	-6.710E-03	0.	0.
31	SLE_dreno	Min	-0.612	0.	-6.710E-03	0.	0.
31	SLU_dreno	Max	-0.796	0.	-8.726E-03	0.	0.
31	SLU_dreno	Min	-0.796	0.	-8.726E-03	0.	0.
31	SLV_dreno	Max	-39.081	0.	-0.846	0.	0.
31	SLV_dreno	Min	-39.081	0.	-0.846	0.	0.
31	SLE_calotta	Max	-0.837	0.	-0.014	0.	0.
31	SLE_calotta	Min	-0.837	0.	-0.014	0.	0.
31	SLU_calotta	Max	-1.087	0.	-0.018	0.	0.
31	SLU_calotta	Min	-1.087	0.	-0.018	0.	0.
31	SLV_calotta	Max	-51.352	0.	-1.11	0.	0.
31	SLV_calotta	Min	-51.352	0.	-1.11	0.	0.
32	SLE_dreno	Max	-2.175	-1.952E-16	0.028	0.	0.
32	SLE_dreno	Min	-2.175	-1.952E-16	0.028	0.	0.
32	SLU_dreno	Max	-2.828	-2.538E-16	0.036	0.	0.
32	SLU_dreno	Min	-2.828	-2.538E-16	0.036	0.	0.
32	SLV_dreno	Max	-38.521	-2.268E-15	0.178	0.	0.
32	SLV_dreno	Min	-38.521	-2.268E-15	0.178	0.	0.
32	SLE_calotta	Max	-1.657	-1.285E-16	0.016	0.	0.
32	SLE_calotta	Min	-1.657	-1.285E-16	0.016	0.	0.
32	SLU_calotta	Max	-2.154	-1.671E-16	0.021	0.	0.
32	SLU_calotta	Min	-2.154	-1.671E-16	0.021	0.	0.
32	SLV_calotta	Max	-51.159	-3.026E-15	0.24	0.	0.
32	SLV_calotta	Min	-51.159	-3.026E-15	0.24	0.	0.
33	SLE_dreno	Max	-4.541	-5.569E-16	0.226	0.	0.
33	SLE_dreno	Min	-4.541	-5.569E-16	0.226	0.	0.
33	SLU_dreno	Max	-5.904	-7.240E-16	0.294	0.	0.
33	SLU_dreno	Min	-5.904	-7.240E-16	0.294	0.	0.
33	SLV_dreno	Max	-38.502	-4.721E-15	1.686	0.	0.
33	SLV_dreno	Min	-38.502	-4.721E-15	1.686	0.	0.
33	SLE_calotta	Max	-2.734	-3.353E-16	0.132	0.	0.
33	SLE_calotta	Min	-2.734	-3.353E-16	0.132	0.	0.
33	SLU_calotta	Max	-3.555	-4.359E-16	0.172	0.	0.
33	SLU_calotta	Min	-3.555	-4.359E-16	0.172	0.	0.
33	SLV_calotta	Max	-51.811	-6.353E-15	2.274	0.	0.
33	SLV_calotta	Min	-51.811	-6.353E-15	2.274	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
34	SLE_dreno	Max	-7.275	-8.948E-16	0.656	0.	0.
34	SLE_dreno	Min	-7.275	-8.948E-16	0.656	0.	0.
34	SLU_dreno	Max	-9.458	-1.163E-15	0.853	0.	0.
34	SLU_dreno	Min	-9.458	-1.163E-15	0.853	0.	0.
34	SLV_dreno	Max	-41.396	-5.090E-15	3.592	0.	0.
34	SLV_dreno	Min	-41.396	-5.090E-15	3.592	0.	0.
34	SLE_calotta	Max	-4.018	-4.942E-16	0.36	0.	0.
34	SLE_calotta	Min	-4.018	-4.942E-16	0.36	0.	0.
34	SLU_calotta	Max	-5.224	-6.424E-16	0.468	0.	0.
34	SLU_calotta	Min	-5.224	-6.424E-16	0.468	0.	0.
34	SLV_calotta	Max	-56.42	-6.937E-15	4.901	0.	0.
34	SLV_calotta	Min	-56.42	-6.937E-15	4.901	0.	0.
35	SLE_dreno	Max	-9.927	-1.227E-15	1.315	0.	0.
35	SLE_dreno	Min	-9.927	-1.227E-15	1.315	0.	0.
35	SLU_dreno	Max	-12.906	-1.595E-15	1.71	0.	0.
35	SLU_dreno	Min	-12.906	-1.595E-15	1.71	0.	0.
35	SLV_dreno	Max	-44.081	-5.445E-15	5.735	0.	0.
35	SLV_dreno	Min	-44.081	-5.445E-15	5.735	0.	0.
35	SLE_calotta	Max	-5.247	-6.483E-16	0.693	0.	0.
35	SLE_calotta	Min	-5.247	-6.483E-16	0.693	0.	0.
35	SLU_calotta	Max	-6.821	-8.427E-16	0.902	0.	0.
35	SLU_calotta	Min	-6.821	-8.427E-16	0.902	0.	0.
35	SLV_calotta	Max	-60.776	-7.507E-15	7.912	0.	0.
35	SLV_calotta	Min	-60.776	-7.507E-15	7.912	0.	0.
36	SLE_dreno	Max	-13.206	-1.643E-15	2.351	0.	0.
36	SLE_dreno	Min	-13.206	-1.643E-15	2.351	0.	0.
36	SLU_dreno	Max	-17.169	-2.136E-15	3.056	0.	0.
36	SLU_dreno	Min	-17.169	-2.136E-15	3.056	0.	0.
36	SLV_dreno	Max	-48.878	-6.079E-15	8.606	0.	0.
36	SLV_dreno	Min	-48.878	-6.079E-15	8.606	0.	0.
36	SLE_calotta	Max	-6.78	-8.435E-16	1.206	0.	0.
36	SLE_calotta	Min	-6.78	-8.435E-16	1.206	0.	0.
36	SLU_calotta	Max	-8.814	-1.097E-15	1.567	0.	0.
36	SLU_calotta	Min	-8.814	-1.097E-15	1.567	0.	0.
36	SLV_calotta	Max	-68.125	-8.473E-15	12.	0.	0.
36	SLV_calotta	Min	-68.125	-8.473E-15	12.	0.	0.
37	SLE_dreno	Max	-16.58	-2.082E-15	3.722	0.	0.
37	SLE_dreno	Min	-16.58	-2.082E-15	3.722	0.	0.
37	SLU_dreno	Max	-21.556	-2.706E-15	4.839	0.	0.
37	SLU_dreno	Min	-21.556	-2.706E-15	4.839	0.	0.
37	SLV_dreno	Max	-53.608	-6.728E-15	11.944	0.	0.
37	SLV_dreno	Min	-53.608	-6.728E-15	11.944	0.	0.
37	SLE_calotta	Max	-8.328	-1.045E-15	1.868	0.	0.
37	SLE_calotta	Min	-8.328	-1.045E-15	1.868	0.	0.
37	SLU_calotta	Max	-10.826	-1.359E-15	2.429	0.	0.
37	SLU_calotta	Min	-10.826	-1.359E-15	2.429	0.	0.
37	SLV_calotta	Max	-75.495	-9.475E-15	16.826	0.	0.
37	SLV_calotta	Min	-75.495	-9.475E-15	16.826	0.	0.
38	SLE_dreno	Max	-19.324	-2.454E-15	5.294	0.	0.
38	SLE_dreno	Min	-19.324	-2.454E-15	5.294	0.	0.
38	SLU_dreno	Max	-25.123	-3.191E-15	6.883	0.	0.
38	SLU_dreno	Min	-25.123	-3.191E-15	6.883	0.	0.
38	SLV_dreno	Max	-55.911	-7.099E-15	15.241	0.	0.
38	SLV_dreno	Min	-55.911	-7.099E-15	15.241	0.	0.
38	SLE_calotta	Max	-9.534	-1.211E-15	2.612	0.	0.
38	SLE_calotta	Min	-9.534	-1.211E-15	2.612	0.	0.
38	SLU_calotta	Max	-12.394	-1.574E-15	3.395	0.	0.
38	SLU_calotta	Min	-12.394	-1.574E-15	3.395	0.	0.
38	SLV_calotta	Max	-79.517	-1.010E-14	21.681	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
38	SLV_calotta	Min	-79.517	-1.010E-14	21.681	0.	0.
39	SLE_dreno	Max	-17.181	-6.952E-15	588.617	0.	-0.804
39	SLE_dreno	Min	-17.181	-6.952E-15	588.617	0.	-0.804
39	SLU_dreno	Max	-22.336	-9.038E-15	765.251	0.	-1.0454
39	SLU_dreno	Min	-22.336	-9.038E-15	765.251	0.	-1.0454
39	SLV_dreno	Max	-36.663	-1.034E-14	663.49	0.	-0.7604
39	SLV_dreno	Min	-36.663	-1.034E-14	663.49	0.	-0.7604
39	SLE_calotta	Max	-8.305	-3.336E-15	281.38	0.	-0.7035
39	SLE_calotta	Min	-8.305	-3.336E-15	281.38	0.	-0.7035
39	SLU_calotta	Max	-10.796	-4.337E-15	365.794	0.	-0.9146
39	SLU_calotta	Min	-10.796	-4.337E-15	365.794	0.	-0.9146
39	SLV_calotta	Max	-53.163	-1.534E-14	1007.563	0.	-0.1103
39	SLV_calotta	Min	-53.163	-1.534E-14	1007.563	0.	-0.1103
40	SLE_dreno	Max	-13.426	-1.122E-14	90.655	0.	0.
40	SLE_dreno	Min	-13.426	-1.122E-14	90.655	0.	0.
40	SLU_dreno	Max	-17.455	-1.459E-14	117.859	0.	0.
40	SLU_dreno	Min	-17.455	-1.459E-14	117.859	0.	0.
40	SLV_dreno	Max	-15.959	-1.334E-14	107.753	0.	0.
40	SLV_dreno	Min	-15.959	-1.334E-14	107.753	0.	0.
40	SLE_calotta	Max	-6.386	-5.338E-15	43.12	0.	0.
40	SLE_calotta	Min	-6.386	-5.338E-15	43.12	0.	0.
40	SLU_calotta	Max	-8.302	-6.940E-15	56.055	0.	0.
40	SLU_calotta	Min	-8.302	-6.940E-15	56.055	0.	0.
40	SLV_calotta	Max	-24.219	-2.024E-14	163.527	0.	0.
40	SLV_calotta	Min	-24.219	-2.024E-14	163.527	0.	0.
41	SLE_dreno	Max	-12.611	-1.116E-14	90.234	0.	0.
41	SLE_dreno	Min	-12.611	-1.116E-14	90.234	0.	0.
41	SLU_dreno	Max	-16.395	-1.451E-14	117.312	0.	0.
41	SLU_dreno	Min	-16.395	-1.451E-14	117.312	0.	0.
41	SLV_dreno	Max	-14.954	-1.323E-14	106.991	0.	0.
41	SLV_dreno	Min	-14.954	-1.323E-14	106.991	0.	0.
41	SLE_calotta	Max	-5.957	-5.271E-15	42.623	0.	0.
41	SLE_calotta	Min	-5.957	-5.271E-15	42.623	0.	0.
41	SLU_calotta	Max	-7.744	-6.852E-15	55.41	0.	0.
41	SLU_calotta	Min	-7.744	-6.852E-15	55.41	0.	0.
41	SLV_calotta	Max	-22.807	-2.018E-14	163.182	0.	0.
41	SLV_calotta	Min	-22.807	-2.018E-14	163.182	0.	0.
42	SLE_dreno	Max	-11.795	-1.108E-14	89.735	0.	0.
42	SLE_dreno	Min	-11.795	-1.108E-14	89.735	0.	0.
42	SLU_dreno	Max	-15.334	-1.441E-14	116.663	0.	0.
42	SLU_dreno	Min	-15.334	-1.441E-14	116.663	0.	0.
42	SLV_dreno	Max	-13.952	-1.311E-14	106.141	0.	0.
42	SLV_dreno	Min	-13.952	-1.311E-14	106.141	0.	0.
42	SLE_calotta	Max	-5.526	-5.193E-15	42.042	0.	0.
42	SLE_calotta	Min	-5.526	-5.193E-15	42.042	0.	0.
42	SLU_calotta	Max	-7.184	-6.751E-15	54.654	0.	0.
42	SLU_calotta	Min	-7.184	-6.751E-15	54.654	0.	0.
42	SLV_calotta	Max	-21.395	-2.010E-14	162.766	0.	0.
42	SLV_calotta	Min	-21.395	-2.010E-14	162.766	0.	0.
43	SLE_dreno	Max	-10.983	-1.101E-14	89.192	0.	0.
43	SLE_dreno	Min	-10.983	-1.101E-14	89.192	0.	0.
43	SLU_dreno	Max	-14.279	-1.431E-14	115.957	0.	0.
43	SLU_dreno	Min	-14.279	-1.431E-14	115.957	0.	0.
43	SLV_dreno	Max	-12.96	-1.299E-14	105.243	0.	0.
43	SLV_dreno	Min	-12.96	-1.299E-14	105.243	0.	0.
43	SLE_calotta	Max	-5.1	-5.110E-15	41.412	0.	0.
43	SLE_calotta	Min	-5.1	-5.110E-15	41.412	0.	0.
43	SLU_calotta	Max	-6.629	-6.643E-15	53.836	0.	0.
43	SLU_calotta	Min	-6.629	-6.643E-15	53.836	0.	0.



Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
43	SLV_calotta	Max	-19.987	-2.003E-14	162.304	0.	0.
43	SLV_calotta	Min	-19.987	-2.003E-14	162.304	0.	0.
44	SLE_dreno	Max	-10.181	-1.093E-14	88.638	0.	0.
44	SLE_dreno	Min	-10.181	-1.093E-14	88.638	0.	0.
44	SLU_dreno	Max	-13.236	-1.421E-14	115.237	0.	0.
44	SLU_dreno	Min	-13.236	-1.421E-14	115.237	0.	0.
44	SLV_dreno	Max	-11.984	-1.286E-14	104.333	0.	0.
44	SLV_dreno	Min	-11.984	-1.286E-14	104.333	0.	0.
44	SLE_calotta	Max	-4.683	-5.026E-15	40.77	0.	0.
44	SLE_calotta	Min	-4.683	-5.026E-15	40.77	0.	0.
44	SLU_calotta	Max	-6.088	-6.534E-15	53.002	0.	0.
44	SLU_calotta	Min	-6.088	-6.534E-15	53.002	0.	0.
44	SLV_calotta	Max	-18.587	-1.995E-14	161.817	0.	0.
44	SLV_calotta	Min	-18.587	-1.995E-14	161.817	0.	0.
45	SLE_dreno	Max	-9.39	-1.085E-14	88.092	0.	0.
45	SLE_dreno	Min	-9.39	-1.085E-14	88.092	0.	0.
45	SLU_dreno	Max	-12.207	-1.411E-14	114.527	0.	0.
45	SLU_dreno	Min	-12.207	-1.411E-14	114.527	0.	0.
45	SLV_dreno	Max	-11.025	-1.274E-14	103.433	0.	0.
45	SLV_dreno	Min	-11.025	-1.274E-14	103.433	0.	0.
45	SLE_calotta	Max	-4.278	-4.943E-15	40.138	0.	0.
45	SLE_calotta	Min	-4.278	-4.943E-15	40.138	0.	0.
45	SLU_calotta	Max	-5.562	-6.426E-15	52.18	0.	0.
45	SLU_calotta	Min	-5.562	-6.426E-15	52.18	0.	0.
45	SLV_calotta	Max	-17.196	-1.987E-14	161.32	0.	0.
45	SLV_calotta	Min	-17.196	-1.987E-14	161.32	0.	0.
46	SLE_dreno	Max	-8.611	-1.078E-14	87.568	0.	0.
46	SLE_dreno	Min	-8.611	-1.078E-14	87.568	0.	0.
46	SLU_dreno	Max	-11.195	-1.401E-14	113.845	0.	0.
46	SLU_dreno	Min	-11.195	-1.401E-14	113.845	0.	0.
46	SLV_dreno	Max	-10.086	-1.262E-14	102.556	0.	0.
46	SLV_dreno	Min	-10.086	-1.262E-14	102.556	0.	0.
46	SLE_calotta	Max	-3.887	-4.864E-15	39.53	0.	0.
46	SLE_calotta	Min	-3.887	-4.864E-15	39.53	0.	0.
46	SLU_calotta	Max	-5.053	-6.324E-15	51.389	0.	0.
46	SLU_calotta	Min	-5.053	-6.324E-15	51.389	0.	0.
46	SLV_calotta	Max	-15.815	-1.979E-14	160.821	0.	0.
46	SLV_calotta	Min	-15.815	-1.979E-14	160.821	0.	0.
47	SLE_dreno	Max	-7.845	-1.071E-14	87.073	0.	0.
47	SLE_dreno	Min	-7.845	-1.071E-14	87.073	0.	0.
47	SLU_dreno	Max	-10.199	-1.392E-14	113.202	0.	0.
47	SLU_dreno	Min	-10.199	-1.392E-14	113.202	0.	0.
47	SLV_dreno	Max	-9.164	-1.251E-14	101.713	0.	0.
47	SLV_dreno	Min	-9.164	-1.251E-14	101.713	0.	0.
47	SLE_calotta	Max	-3.51	-4.790E-15	38.956	0.	0.
47	SLE_calotta	Min	-3.51	-4.790E-15	38.956	0.	0.
47	SLU_calotta	Max	-4.563	-6.227E-15	50.643	0.	0.
47	SLU_calotta	Min	-4.563	-6.227E-15	50.643	0.	0.
47	SLV_calotta	Max	-14.445	-1.971E-14	160.327	0.	0.
47	SLV_calotta	Min	-14.445	-1.971E-14	160.327	0.	0.
48	SLE_dreno	Max	-7.091	-1.064E-14	86.613	0.	0.
48	SLE_dreno	Min	-7.091	-1.064E-14	86.613	0.	0.
48	SLU_dreno	Max	-9.218	-1.384E-14	112.604	0.	0.
48	SLU_dreno	Min	-9.218	-1.384E-14	112.604	0.	0.
48	SLV_dreno	Max	-8.262	-1.240E-14	100.909	0.	0.
48	SLV_dreno	Min	-8.262	-1.240E-14	100.909	0.	0.
48	SLE_calotta	Max	-3.145	-4.721E-15	38.422	0.	0.
48	SLE_calotta	Min	-3.145	-4.721E-15	38.422	0.	0.
48	SLU_calotta	Max	-4.089	-6.137E-15	49.948	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
48	SLU_calotta	Min	-4.089	-6.137E-15	49.948	0.	0.
48	SLV_calotta	Max	-13.086	-1.964E-14	159.839	0.	0.
48	SLV_calotta	Min	-13.086	-1.964E-14	159.839	0.	0.
49	SLE_dreno	Max	-6.348	-1.058E-14	86.191	0.	0.
49	SLE_dreno	Min	-6.348	-1.058E-14	86.191	0.	0.
49	SLU_dreno	Max	-8.253	-1.376E-14	112.056	0.	0.
49	SLU_dreno	Min	-8.253	-1.376E-14	112.056	0.	0.
49	SLV_dreno	Max	-7.376	-1.230E-14	100.148	0.	0.
49	SLV_dreno	Min	-7.376	-1.230E-14	100.148	0.	0.
49	SLE_calotta	Max	-2.794	-4.658E-15	37.932	0.	0.
49	SLE_calotta	Min	-2.794	-4.658E-15	37.932	0.	0.
49	SLU_calotta	Max	-3.632	-6.055E-15	49.312	0.	0.
49	SLU_calotta	Min	-3.632	-6.055E-15	49.312	0.	0.
49	SLV_calotta	Max	-11.738	-1.957E-14	159.362	0.	0.
49	SLV_calotta	Min	-11.738	-1.957E-14	159.362	0.	0.
50	SLE_dreno	Max	-5.615	-1.053E-14	85.811	0.	0.
50	SLE_dreno	Min	-5.615	-1.053E-14	85.811	0.	0.
50	SLU_dreno	Max	-7.3	-1.369E-14	111.561	0.	0.
50	SLU_dreno	Min	-7.3	-1.369E-14	111.561	0.	0.
50	SLV_dreno	Max	-6.508	-1.220E-14	99.432	0.	0.
50	SLV_dreno	Min	-6.508	-1.220E-14	99.432	0.	0.
50	SLE_calotta	Max	-2.453	-4.601E-15	37.49	0.	0.
50	SLE_calotta	Min	-2.453	-4.601E-15	37.49	0.	0.
50	SLU_calotta	Max	-3.189	-5.981E-15	48.736	0.	0.
50	SLU_calotta	Min	-3.189	-5.981E-15	48.736	0.	0.
50	SLV_calotta	Max	-10.399	-1.950E-14	158.896	0.	0.
50	SLV_calotta	Min	-10.399	-1.950E-14	158.896	0.	0.
51	SLE_dreno	Max	-4.892	-1.048E-14	85.473	0.	0.
51	SLE_dreno	Min	-4.892	-1.048E-14	85.473	0.	0.
51	SLU_dreno	Max	-6.361	-1.363E-14	111.121	0.	0.
51	SLU_dreno	Min	-6.361	-1.363E-14	111.121	0.	0.
51	SLV_dreno	Max	-5.654	-1.211E-14	98.763	0.	0.
51	SLV_dreno	Min	-5.654	-1.211E-14	98.763	0.	0.
51	SLE_calotta	Max	-2.123	-4.550E-15	37.096	0.	0.
51	SLE_calotta	Min	-2.123	-4.550E-15	37.096	0.	0.
51	SLU_calotta	Max	-2.76	-5.916E-15	48.225	0.	0.
51	SLU_calotta	Min	-2.76	-5.916E-15	48.225	0.	0.
51	SLV_calotta	Max	-9.07	-1.944E-14	158.442	0.	0.
51	SLV_calotta	Min	-9.07	-1.944E-14	158.442	0.	0.
52	SLE_dreno	Max	-4.178	-1.044E-14	85.179	0.	0.
52	SLE_dreno	Min	-4.178	-1.044E-14	85.179	0.	0.
52	SLU_dreno	Max	-5.432	-1.358E-14	110.739	0.	0.
52	SLU_dreno	Min	-5.432	-1.358E-14	110.739	0.	0.
52	SLV_dreno	Max	-4.814	-1.203E-14	98.141	0.	0.
52	SLV_dreno	Min	-4.814	-1.203E-14	98.141	0.	0.
52	SLE_calotta	Max	-1.803	-4.506E-15	36.753	0.	0.
52	SLE_calotta	Min	-1.803	-4.506E-15	36.753	0.	0.
52	SLU_calotta	Max	-2.344	-5.858E-15	47.779	0.	0.
52	SLU_calotta	Min	-2.344	-5.858E-15	47.779	0.	0.
52	SLV_calotta	Max	-7.751	-1.937E-14	158.	0.	0.
52	SLV_calotta	Min	-7.751	-1.937E-14	158.	0.	0.
53	SLE_dreno	Max	-3.471	-1.041E-14	84.929	0.	0.
53	SLE_dreno	Min	-3.471	-1.041E-14	84.929	0.	0.
53	SLU_dreno	Max	-4.512	-1.353E-14	110.414	0.	0.
53	SLU_dreno	Min	-4.512	-1.353E-14	110.414	0.	0.
53	SLV_dreno	Max	-3.988	-1.196E-14	97.569	0.	0.
53	SLV_dreno	Min	-3.988	-1.196E-14	97.569	0.	0.
53	SLE_calotta	Max	-1.49	-4.469E-15	36.462	0.	0.
53	SLE_calotta	Min	-1.49	-4.469E-15	36.462	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
53	SLU_calotta	Max	-1.937	-5.810E-15	47.401	0.	0.
53	SLU_calotta	Min	-1.937	-5.810E-15	47.401	0.	0.
53	SLV_calotta	Max	-6.44	-1.931E-14	157.571	0.	0.
53	SLV_calotta	Min	-6.44	-1.931E-14	157.571	0.	0.
54	SLE_dreno	Max	-2.769	-1.038E-14	84.724	0.	0.
54	SLE_dreno	Min	-2.769	-1.038E-14	84.724	0.	0.
54	SLU_dreno	Max	-3.6	-1.350E-14	110.147	0.	0.
54	SLU_dreno	Min	-3.6	-1.350E-14	110.147	0.	0.
54	SLV_dreno	Max	-3.173	-1.189E-14	97.046	0.	0.
54	SLV_dreno	Min	-3.173	-1.189E-14	97.046	0.	0.
54	SLE_calotta	Max	-1.184	-4.438E-15	36.223	0.	0.
54	SLE_calotta	Min	-1.184	-4.438E-15	36.223	0.	0.
54	SLU_calotta	Max	-1.539	-5.770E-15	47.09	0.	0.
54	SLU_calotta	Min	-1.539	-5.770E-15	47.09	0.	0.
54	SLV_calotta	Max	-5.138	-1.926E-14	157.156	0.	0.
54	SLV_calotta	Min	-5.138	-1.926E-14	157.156	0.	0.
55	SLE_dreno	Max	-2.073	-1.036E-14	84.564	0.	0.
55	SLE_dreno	Min	-2.073	-1.036E-14	84.564	0.	0.
55	SLU_dreno	Max	-2.695	-1.347E-14	109.94	0.	0.
55	SLU_dreno	Min	-2.695	-1.347E-14	109.94	0.	0.
55	SLV_dreno	Max	-2.368	-1.183E-14	96.572	0.	0.
55	SLV_dreno	Min	-2.368	-1.183E-14	96.572	0.	0.
55	SLE_calotta	Max	-0.883	-4.415E-15	36.037	0.	0.
55	SLE_calotta	Min	-0.883	-4.415E-15	36.037	0.	0.
55	SLU_calotta	Max	-1.148	-5.739E-15	46.848	0.	0.
55	SLU_calotta	Min	-1.148	-5.739E-15	46.848	0.	0.
55	SLV_calotta	Max	-3.843	-1.920E-14	156.753	0.	0.
55	SLV_calotta	Min	-3.843	-1.920E-14	156.753	0.	0.
56	SLE_dreno	Max	-1.38	-1.034E-14	84.45	0.	0.
56	SLE_dreno	Min	-1.38	-1.034E-14	84.45	0.	0.
56	SLU_dreno	Max	-1.794	-1.345E-14	109.791	0.	0.
56	SLU_dreno	Min	-1.794	-1.345E-14	109.791	0.	0.
56	SLV_dreno	Max	-1.572	-1.178E-14	96.148	0.	0.
56	SLV_dreno	Min	-1.572	-1.178E-14	96.148	0.	0.
56	SLE_calotta	Max	-0.587	-4.398E-15	35.904	0.	0.
56	SLE_calotta	Min	-0.587	-4.398E-15	35.904	0.	0.
56	SLU_calotta	Max	-0.763	-5.717E-15	46.675	0.	0.
56	SLU_calotta	Min	-0.763	-5.717E-15	46.675	0.	0.
56	SLV_calotta	Max	-2.556	-1.915E-14	156.364	0.	0.
56	SLV_calotta	Min	-2.556	-1.915E-14	156.364	0.	0.
57	SLE_dreno	Max	-0.689	-1.033E-14	84.381	0.	0.
57	SLE_dreno	Min	-0.689	-1.033E-14	84.381	0.	0.
57	SLU_dreno	Max	-0.896	-1.344E-14	109.702	0.	0.
57	SLU_dreno	Min	-0.896	-1.344E-14	109.702	0.	0.
57	SLV_dreno	Max	-0.783	-1.173E-14	95.773	0.	0.
57	SLV_dreno	Min	-0.783	-1.173E-14	95.773	0.	0.
57	SLE_calotta	Max	-0.293	-4.387E-15	35.823	0.	0.
57	SLE_calotta	Min	-0.293	-4.387E-15	35.823	0.	0.
57	SLU_calotta	Max	-0.38	-5.703E-15	46.571	0.	0.
57	SLU_calotta	Min	-0.38	-5.703E-15	46.571	0.	0.
57	SLV_calotta	Max	-1.275	-1.910E-14	155.987	0.	0.
57	SLV_calotta	Min	-1.275	-1.910E-14	155.987	0.	0.
58	SLE_dreno	Max	1.156E-09	-1.033E-14	84.358	0.	0.
58	SLE_dreno	Min	1.156E-09	-1.033E-14	84.358	0.	0.
58	SLU_dreno	Max	-3.886E-15	-1.343E-14	109.672	0.	0.
58	SLU_dreno	Min	-3.886E-15	-1.343E-14	109.672	0.	0.
58	SLV_dreno	Max	-7.866E-04	-1.169E-14	95.447	0.	0.
58	SLV_dreno	Min	-7.866E-04	-1.169E-14	95.447	0.	0.
58	SLE_calotta	Max	-8.991E-11	-4.384E-15	35.797	0.	0.

**Table 20: Joint Reactions, Part 1 of 2**

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
58	SLE_calotta	Min	-8.991E-11	-4.384E-15	35.797	0.	0.
58	SLU_calotta	Max	1.577E-14	-5.699E-15	46.536	0.	0.
58	SLU_calotta	Min	1.577E-14	-5.699E-15	46.536	0.	0.
58	SLV_calotta	Max	-1.096E-03	-1.906E-14	155.623	0.	0.
58	SLV_calotta	Min	-1.096E-03	-1.906E-14	155.623	0.	0.
59	SLE_dreno	Max	0.689	-1.033E-14	84.381	0.	0.
59	SLE_dreno	Min	0.689	-1.033E-14	84.381	0.	0.
59	SLU_dreno	Max	0.896	-1.344E-14	109.702	0.	0.
59	SLU_dreno	Min	0.896	-1.344E-14	109.702	0.	0.
59	SLV_dreno	Max	0.777	-1.166E-14	95.171	0.	0.
59	SLV_dreno	Min	0.777	-1.166E-14	95.171	0.	0.
59	SLE_calotta	Max	0.293	-4.387E-15	35.823	0.	0.
59	SLE_calotta	Min	0.293	-4.387E-15	35.823	0.	0.
59	SLU_calotta	Max	0.38	-5.703E-15	46.571	0.	0.
59	SLU_calotta	Min	0.38	-5.703E-15	46.571	0.	0.
59	SLV_calotta	Max	1.267	-1.902E-14	155.272	0.	0.
59	SLV_calotta	Min	1.267	-1.902E-14	155.272	0.	0.
60	SLE_dreno	Max	1.38	-1.034E-14	84.45	0.	0.
60	SLE_dreno	Min	1.38	-1.034E-14	84.45	0.	0.
60	SLU_dreno	Max	1.794	-1.345E-14	109.791	0.	0.
60	SLU_dreno	Min	1.794	-1.345E-14	109.791	0.	0.
60	SLV_dreno	Max	1.55	-1.163E-14	94.944	0.	0.
60	SLV_dreno	Min	1.55	-1.163E-14	94.944	0.	0.
60	SLE_calotta	Max	0.587	-4.398E-15	35.904	0.	0.
60	SLE_calotta	Min	0.587	-4.398E-15	35.904	0.	0.
60	SLU_calotta	Max	0.763	-5.717E-15	46.675	0.	0.
60	SLU_calotta	Min	0.763	-5.717E-15	46.675	0.	0.
60	SLV_calotta	Max	2.53	-1.898E-14	154.934	0.	0.
60	SLV_calotta	Min	2.53	-1.898E-14	154.934	0.	0.
61	SLE_dreno	Max	2.073	-1.036E-14	84.564	0.	0.
61	SLE_dreno	Min	2.073	-1.036E-14	84.564	0.	0.
61	SLU_dreno	Max	2.695	-1.347E-14	109.94	0.	0.
61	SLU_dreno	Min	2.695	-1.347E-14	109.94	0.	0.
61	SLV_dreno	Max	2.322	-1.161E-14	94.766	0.	0.
61	SLV_dreno	Min	2.322	-1.161E-14	94.766	0.	0.
61	SLE_calotta	Max	0.883	-4.415E-15	36.037	0.	0.
61	SLE_calotta	Min	0.883	-4.415E-15	36.037	0.	0.
61	SLU_calotta	Max	1.148	-5.739E-15	46.848	0.	0.
61	SLU_calotta	Min	1.148	-5.739E-15	46.848	0.	0.
61	SLV_calotta	Max	3.788	-1.894E-14	154.608	0.	0.
61	SLV_calotta	Min	3.788	-1.894E-14	154.608	0.	0.
62	SLE_dreno	Max	2.769	-1.038E-14	84.724	0.	0.
62	SLE_dreno	Min	2.769	-1.038E-14	84.724	0.	0.
62	SLU_dreno	Max	3.6	-1.350E-14	110.147	0.	0.
62	SLU_dreno	Min	3.6	-1.350E-14	110.147	0.	0.
62	SLV_dreno	Max	3.092	-1.160E-14	94.637	0.	0.
62	SLV_dreno	Min	3.092	-1.160E-14	94.637	0.	0.
62	SLE_calotta	Max	1.184	-4.438E-15	36.223	0.	0.
62	SLE_calotta	Min	1.184	-4.438E-15	36.223	0.	0.
62	SLU_calotta	Max	1.539	-5.770E-15	47.09	0.	0.
62	SLU_calotta	Min	1.539	-5.770E-15	47.09	0.	0.
62	SLV_calotta	Max	5.042	-1.891E-14	154.293	0.	0.
62	SLV_calotta	Min	5.042	-1.891E-14	154.293	0.	0.
63	SLE_dreno	Max	3.471	-1.041E-14	84.929	0.	0.
63	SLE_dreno	Min	3.471	-1.041E-14	84.929	0.	0.
63	SLU_dreno	Max	4.512	-1.353E-14	110.414	0.	0.
63	SLU_dreno	Min	4.512	-1.353E-14	110.414	0.	0.
63	SLV_dreno	Max	3.863	-1.159E-14	94.555	0.	0.
63	SLV_dreno	Min	3.863	-1.159E-14	94.555	0.	0.

**Table 20: Joint Reactions, Part 1 of 2**

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
63	SLE_calotta	Max	1.49	-4.469E-15	36.462	0.	0.
63	SLE_calotta	Min	1.49	-4.469E-15	36.462	0.	0.
63	SLU_calotta	Max	1.937	-5.810E-15	47.401	0.	0.
63	SLU_calotta	Min	1.937	-5.810E-15	47.401	0.	0.
63	SLV_calotta	Max	6.292	-1.887E-14	153.991	0.	0.
63	SLV_calotta	Min	6.292	-1.887E-14	153.991	0.	0.
64	SLE_dreno	Max	4.178	-1.044E-14	85.179	0.	0.
64	SLE_dreno	Min	4.178	-1.044E-14	85.179	0.	0.
64	SLU_dreno	Max	5.432	-1.358E-14	110.739	0.	0.
64	SLU_dreno	Min	5.432	-1.358E-14	110.739	0.	0.
64	SLV_dreno	Max	4.635	-1.159E-14	94.521	0.	0.
64	SLV_dreno	Min	4.635	-1.159E-14	94.521	0.	0.
64	SLE_calotta	Max	1.803	-4.506E-15	36.753	0.	0.
64	SLE_calotta	Min	1.803	-4.506E-15	36.753	0.	0.
64	SLU_calotta	Max	2.344	-5.858E-15	47.779	0.	0.
64	SLU_calotta	Min	2.344	-5.858E-15	47.779	0.	0.
64	SLV_calotta	Max	7.538	-1.885E-14	153.699	0.	0.
64	SLV_calotta	Min	7.538	-1.885E-14	153.699	0.	0.
65	SLE_dreno	Max	4.892	-1.048E-14	85.473	0.	0.
65	SLE_dreno	Min	4.892	-1.048E-14	85.473	0.	0.
65	SLU_dreno	Max	6.361	-1.363E-14	111.121	0.	0.
65	SLU_dreno	Min	6.361	-1.363E-14	111.121	0.	0.
65	SLV_dreno	Max	5.41	-1.160E-14	94.534	0.	0.
65	SLV_dreno	Min	5.41	-1.160E-14	94.534	0.	0.
65	SLE_calotta	Max	2.123	-4.550E-15	37.096	0.	0.
65	SLE_calotta	Min	2.123	-4.550E-15	37.096	0.	0.
65	SLU_calotta	Max	2.76	-5.916E-15	48.225	0.	0.
65	SLU_calotta	Min	2.76	-5.916E-15	48.225	0.	0.
65	SLV_calotta	Max	8.781	-1.882E-14	153.418	0.	0.
65	SLV_calotta	Min	8.781	-1.882E-14	153.418	0.	0.
66	SLE_dreno	Max	5.615	-1.053E-14	85.811	0.	0.
66	SLE_dreno	Min	5.615	-1.053E-14	85.811	0.	0.
66	SLU_dreno	Max	7.3	-1.369E-14	111.561	0.	0.
66	SLU_dreno	Min	7.3	-1.369E-14	111.561	0.	0.
66	SLV_dreno	Max	6.189	-1.161E-14	94.591	0.	0.
66	SLV_dreno	Min	6.189	-1.161E-14	94.591	0.	0.
66	SLE_calotta	Max	2.453	-4.601E-15	37.49	0.	0.
66	SLE_calotta	Min	2.453	-4.601E-15	37.49	0.	0.
66	SLU_calotta	Max	3.189	-5.981E-15	48.736	0.	0.
66	SLU_calotta	Min	3.189	-5.981E-15	48.736	0.	0.
66	SLV_calotta	Max	10.021	-1.880E-14	153.147	0.	0.
66	SLV_calotta	Min	10.021	-1.880E-14	153.147	0.	0.
67	SLE_dreno	Max	6.348	-1.058E-14	86.191	0.	0.
67	SLE_dreno	Min	6.348	-1.058E-14	86.191	0.	0.
67	SLU_dreno	Max	8.253	-1.376E-14	112.056	0.	0.
67	SLU_dreno	Min	8.253	-1.376E-14	112.056	0.	0.
67	SLV_dreno	Max	6.973	-1.163E-14	94.693	0.	0.
67	SLV_dreno	Min	6.973	-1.163E-14	94.693	0.	0.
67	SLE_calotta	Max	2.794	-4.658E-15	37.932	0.	0.
67	SLE_calotta	Min	2.794	-4.658E-15	37.932	0.	0.
67	SLU_calotta	Max	3.632	-6.055E-15	49.312	0.	0.
67	SLU_calotta	Min	3.632	-6.055E-15	49.312	0.	0.
67	SLV_calotta	Max	11.258	-1.877E-14	152.884	0.	0.
67	SLV_calotta	Min	11.258	-1.877E-14	152.884	0.	0.
68	SLE_dreno	Max	7.091	-1.064E-14	86.613	0.	0.
68	SLE_dreno	Min	7.091	-1.064E-14	86.613	0.	0.
68	SLU_dreno	Max	9.218	-1.384E-14	112.604	0.	0.
68	SLU_dreno	Min	9.218	-1.384E-14	112.604	0.	0.
68	SLV_dreno	Max	7.763	-1.165E-14	94.836	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
68	SLV_dreno	Min	7.763	-1.165E-14	94.836	0.	0.
68	SLE_calotta	Max	3.145	-4.721E-15	38.422	0.	0.
68	SLE_calotta	Min	3.145	-4.721E-15	38.422	0.	0.
68	SLU_calotta	Max	4.089	-6.137E-15	49.948	0.	0.
68	SLU_calotta	Min	4.089	-6.137E-15	49.948	0.	0.
68	SLV_calotta	Max	12.494	-1.875E-14	152.629	0.	0.
68	SLV_calotta	Min	12.494	-1.875E-14	152.629	0.	0.
69	SLE_dreno	Max	7.845	-1.071E-14	87.073	0.	0.
69	SLE_dreno	Min	7.845	-1.071E-14	87.073	0.	0.
69	SLU_dreno	Max	10.199	-1.392E-14	113.202	0.	0.
69	SLU_dreno	Min	10.199	-1.392E-14	113.202	0.	0.
69	SLV_dreno	Max	8.56	-1.168E-14	95.017	0.	0.
69	SLV_dreno	Min	8.56	-1.168E-14	95.017	0.	0.
69	SLE_calotta	Max	3.51	-4.790E-15	38.956	0.	0.
69	SLE_calotta	Min	3.51	-4.790E-15	38.956	0.	0.
69	SLU_calotta	Max	4.563	-6.227E-15	50.643	0.	0.
69	SLU_calotta	Min	4.563	-6.227E-15	50.643	0.	0.
69	SLV_calotta	Max	13.727	-1.874E-14	152.379	0.	0.
69	SLV_calotta	Min	13.727	-1.874E-14	152.379	0.	0.
70	SLE_dreno	Max	8.611	-1.078E-14	87.568	0.	0.
70	SLE_dreno	Min	8.611	-1.078E-14	87.568	0.	0.
70	SLU_dreno	Max	11.195	-1.401E-14	113.845	0.	0.
70	SLU_dreno	Min	11.195	-1.401E-14	113.845	0.	0.
70	SLV_dreno	Max	9.364	-1.172E-14	95.232	0.	0.
70	SLV_dreno	Min	9.364	-1.172E-14	95.232	0.	0.
70	SLE_calotta	Max	3.887	-4.864E-15	39.53	0.	0.
70	SLE_calotta	Min	3.887	-4.864E-15	39.53	0.	0.
70	SLU_calotta	Max	5.053	-6.324E-15	51.389	0.	0.
70	SLU_calotta	Min	5.053	-6.324E-15	51.389	0.	0.
70	SLV_calotta	Max	14.959	-1.872E-14	152.131	0.	0.
70	SLV_calotta	Min	14.959	-1.872E-14	152.131	0.	0.
71	SLE_dreno	Max	9.39	-1.085E-14	88.092	0.	0.
71	SLE_dreno	Min	9.39	-1.085E-14	88.092	0.	0.
71	SLU_dreno	Max	12.207	-1.411E-14	114.527	0.	0.
71	SLU_dreno	Min	12.207	-1.411E-14	114.527	0.	0.
71	SLV_dreno	Max	10.176	-1.176E-14	95.474	0.	0.
71	SLV_dreno	Min	10.176	-1.176E-14	95.474	0.	0.
71	SLE_calotta	Max	4.278	-4.943E-15	40.138	0.	0.
71	SLE_calotta	Min	4.278	-4.943E-15	40.138	0.	0.
71	SLU_calotta	Max	5.562	-6.426E-15	52.18	0.	0.
71	SLU_calotta	Min	5.562	-6.426E-15	52.18	0.	0.
71	SLV_calotta	Max	16.187	-1.871E-14	151.88	0.	0.
71	SLV_calotta	Min	16.187	-1.871E-14	151.88	0.	0.
72	SLE_dreno	Max	10.181	-1.093E-14	88.638	0.	0.
72	SLE_dreno	Min	10.181	-1.093E-14	88.638	0.	0.
72	SLU_dreno	Max	13.236	-1.421E-14	115.237	0.	0.
72	SLU_dreno	Min	13.236	-1.421E-14	115.237	0.	0.
72	SLV_dreno	Max	10.995	-1.180E-14	95.732	0.	0.
72	SLV_dreno	Min	10.995	-1.180E-14	95.732	0.	0.
72	SLE_calotta	Max	4.683	-5.026E-15	40.77	0.	0.
72	SLE_calotta	Min	4.683	-5.026E-15	40.77	0.	0.
72	SLU_calotta	Max	6.088	-6.534E-15	53.002	0.	0.
72	SLU_calotta	Min	6.088	-6.534E-15	53.002	0.	0.
72	SLV_calotta	Max	17.413	-1.869E-14	151.62	0.	0.
72	SLV_calotta	Min	17.413	-1.869E-14	151.62	0.	0.
73	SLE_dreno	Max	10.983	-1.101E-14	89.192	0.	0.
73	SLE_dreno	Min	10.983	-1.101E-14	89.192	0.	0.
73	SLU_dreno	Max	14.279	-1.431E-14	115.957	0.	0.
73	SLU_dreno	Min	14.279	-1.431E-14	115.957	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
73	SLV_dreno	Max	11.82	-1.184E-14	95.992	0.	0.
73	SLV_dreno	Min	11.82	-1.184E-14	95.992	0.	0.
73	SLE_calotta	Max	5.1	-5.110E-15	41.412	0.	0.
73	SLE_calotta	Min	5.1	-5.110E-15	41.412	0.	0.
73	SLU_calotta	Max	6.629	-6.643E-15	53.836	0.	0.
73	SLU_calotta	Min	6.629	-6.643E-15	53.836	0.	0.
73	SLV_calotta	Max	18.635	-1.867E-14	151.341	0.	0.
73	SLV_calotta	Min	18.635	-1.867E-14	151.341	0.	0.
74	SLE_dreno	Max	11.795	-1.108E-14	89.735	0.	0.
74	SLE_dreno	Min	11.795	-1.108E-14	89.735	0.	0.
74	SLU_dreno	Max	15.334	-1.441E-14	116.663	0.	0.
74	SLU_dreno	Min	15.334	-1.441E-14	116.663	0.	0.
74	SLV_dreno	Max	12.648	-1.189E-14	96.228	0.	0.
74	SLV_dreno	Min	12.648	-1.189E-14	96.228	0.	0.
74	SLE_calotta	Max	5.526	-5.193E-15	42.042	0.	0.
74	SLE_calotta	Min	5.526	-5.193E-15	42.042	0.	0.
74	SLU_calotta	Max	7.184	-6.751E-15	54.654	0.	0.
74	SLU_calotta	Min	7.184	-6.751E-15	54.654	0.	0.
74	SLV_calotta	Max	19.85	-1.865E-14	151.026	0.	0.
74	SLV_calotta	Min	19.85	-1.865E-14	151.026	0.	0.
75	SLE_dreno	Max	12.611	-1.116E-14	90.234	0.	0.
75	SLE_dreno	Min	12.611	-1.116E-14	90.234	0.	0.
75	SLU_dreno	Max	16.395	-1.451E-14	117.312	0.	0.
75	SLU_dreno	Min	16.395	-1.451E-14	117.312	0.	0.
75	SLV_dreno	Max	13.473	-1.192E-14	96.405	0.	0.
75	SLV_dreno	Min	13.473	-1.192E-14	96.405	0.	0.
75	SLE_calotta	Max	5.957	-5.271E-15	42.623	0.	0.
75	SLE_calotta	Min	5.957	-5.271E-15	42.623	0.	0.
75	SLU_calotta	Max	7.744	-6.852E-15	55.41	0.	0.
75	SLU_calotta	Min	7.744	-6.852E-15	55.41	0.	0.
75	SLV_calotta	Max	21.054	-1.863E-14	150.652	0.	0.
75	SLV_calotta	Min	21.054	-1.863E-14	150.652	0.	0.
76	SLE_dreno	Max	13.426	-1.122E-14	90.655	0.	0.
76	SLE_dreno	Min	13.426	-1.122E-14	90.655	0.	0.
76	SLU_dreno	Max	17.455	-1.459E-14	117.859	0.	0.
76	SLU_dreno	Min	17.455	-1.459E-14	117.859	0.	0.
76	SLV_dreno	Max	14.288	-1.194E-14	96.485	0.	0.
76	SLV_dreno	Min	14.288	-1.194E-14	96.485	0.	0.
76	SLE_calotta	Max	6.386	-5.338E-15	43.12	0.	0.
76	SLE_calotta	Min	6.386	-5.338E-15	43.12	0.	0.
76	SLU_calotta	Max	8.302	-6.940E-15	56.055	0.	0.
76	SLU_calotta	Min	8.302	-6.940E-15	56.055	0.	0.
76	SLV_calotta	Max	22.243	-1.859E-14	150.199	0.	0.
76	SLV_calotta	Min	22.243	-1.859E-14	150.199	0.	0.
77	SLE_dreno	Max	17.181	-6.952E-15	588.617	0.	0.804
77	SLE_dreno	Min	17.181	-6.952E-15	588.617	0.	0.804
77	SLU_dreno	Max	22.336	-9.038E-15	765.251	0.	1.0454
77	SLU_dreno	Min	22.336	-9.038E-15	765.251	0.	1.0454
77	SLV_dreno	Max	7.368	-5.994E-15	663.638	0.	0.8506
77	SLV_dreno	Min	7.368	-5.994E-15	663.638	0.	0.8506
77	SLE_calotta	Max	8.305	-3.336E-15	281.38	0.	0.7035
77	SLE_calotta	Min	8.305	-3.336E-15	281.38	0.	0.7035
77	SLU_calotta	Max	10.796	-4.337E-15	365.794	0.	0.9146
77	SLU_calotta	Min	10.796	-4.337E-15	365.794	0.	0.9146
77	SLV_calotta	Max	11.43	-9.298E-15	1023.56	0.	0.5233
77	SLV_calotta	Min	11.43	-9.298E-15	1023.56	0.	0.5233
78	SLE_dreno	Max	19.324	-2.454E-15	5.294	0.	0.
78	SLE_dreno	Min	19.324	-2.454E-15	5.294	0.	0.
78	SLU_dreno	Max	25.123	-3.191E-15	6.883	0.	0.

**Table 20: Joint Reactions, Part 1 of 2**

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
78	SLU_dreno	Min	25.123	-3.191E-15	6.883	0.	0.
78	SLV_dreno	Max	0.	0.	0.	0.	0.
78	SLV_dreno	Min	0.	0.	0.	0.	0.
78	SLE_calotta	Max	9.534	-1.211E-15	2.612	0.	0.
78	SLE_calotta	Min	9.534	-1.211E-15	2.612	0.	0.
78	SLU_calotta	Max	12.394	-1.574E-15	3.395	0.	0.
78	SLU_calotta	Min	12.394	-1.574E-15	3.395	0.	0.
78	SLV_calotta	Max	0.	0.	0.	0.	0.
78	SLV_calotta	Min	0.	0.	0.	0.	0.
79	SLE_dreno	Max	16.58	-2.082E-15	3.722	0.	0.
79	SLE_dreno	Min	16.58	-2.082E-15	3.722	0.	0.
79	SLU_dreno	Max	21.556	-2.706E-15	4.839	0.	0.
79	SLU_dreno	Min	21.556	-2.706E-15	4.839	0.	0.
79	SLV_dreno	Max	0.	0.	0.	0.	0.
79	SLV_dreno	Min	0.	0.	0.	0.	0.
79	SLE_calotta	Max	8.328	-1.045E-15	1.868	0.	0.
79	SLE_calotta	Min	8.328	-1.045E-15	1.868	0.	0.
79	SLU_calotta	Max	10.826	-1.359E-15	2.429	0.	0.
79	SLU_calotta	Min	10.826	-1.359E-15	2.429	0.	0.
79	SLV_calotta	Max	0.	0.	0.	0.	0.
79	SLV_calotta	Min	0.	0.	0.	0.	0.
80	SLE_dreno	Max	13.206	-1.643E-15	2.351	0.	0.
80	SLE_dreno	Min	13.206	-1.643E-15	2.351	0.	0.
80	SLU_dreno	Max	17.169	-2.136E-15	3.056	0.	0.
80	SLU_dreno	Min	17.169	-2.136E-15	3.056	0.	0.
80	SLV_dreno	Max	0.	0.	0.	0.	0.
80	SLV_dreno	Min	0.	0.	0.	0.	0.
80	SLE_calotta	Max	6.78	-8.435E-16	1.206	0.	0.
80	SLE_calotta	Min	6.78	-8.435E-16	1.206	0.	0.
80	SLU_calotta	Max	8.814	-1.097E-15	1.567	0.	0.
80	SLU_calotta	Min	8.814	-1.097E-15	1.567	0.	0.
80	SLV_calotta	Max	0.	0.	0.	0.	0.
80	SLV_calotta	Min	0.	0.	0.	0.	0.
81	SLE_dreno	Max	9.927	-1.227E-15	1.315	0.	0.
81	SLE_dreno	Min	9.927	-1.227E-15	1.315	0.	0.
81	SLU_dreno	Max	12.906	-1.595E-15	1.71	0.	0.
81	SLU_dreno	Min	12.906	-1.595E-15	1.71	0.	0.
81	SLV_dreno	Max	0.	0.	0.	0.	0.
81	SLV_dreno	Min	0.	0.	0.	0.	0.
81	SLE_calotta	Max	5.247	-6.483E-16	0.693	0.	0.
81	SLE_calotta	Min	5.247	-6.483E-16	0.693	0.	0.
81	SLU_calotta	Max	6.821	-8.427E-16	0.902	0.	0.
81	SLU_calotta	Min	6.821	-8.427E-16	0.902	0.	0.
81	SLV_calotta	Max	0.	0.	0.	0.	0.
81	SLV_calotta	Min	0.	0.	0.	0.	0.
82	SLE_dreno	Max	7.275	-8.948E-16	0.656	0.	0.
82	SLE_dreno	Min	7.275	-8.948E-16	0.656	0.	0.
82	SLU_dreno	Max	9.458	-1.163E-15	0.853	0.	0.
82	SLU_dreno	Min	9.458	-1.163E-15	0.853	0.	0.
82	SLV_dreno	Max	0.	0.	0.	0.	0.
82	SLV_dreno	Min	0.	0.	0.	0.	0.
82	SLE_calotta	Max	4.018	-4.942E-16	0.36	0.	0.
82	SLE_calotta	Min	4.018	-4.942E-16	0.36	0.	0.
82	SLU_calotta	Max	5.224	-6.424E-16	0.468	0.	0.
82	SLU_calotta	Min	5.224	-6.424E-16	0.468	0.	0.
82	SLV_calotta	Max	0.	0.	0.	0.	0.
82	SLV_calotta	Min	0.	0.	0.	0.	0.
83	SLE_dreno	Max	4.541	-5.569E-16	0.226	0.	0.
83	SLE_dreno	Min	4.541	-5.569E-16	0.226	0.	0.



Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
83	SLU_dreno	Max	5.904	-7.240E-16	0.294	0.	0.
83	SLU_dreno	Min	5.904	-7.240E-16	0.294	0.	0.
83	SLV_dreno	Max	0.	0.	0.	0.	0.
83	SLV_dreno	Min	0.	0.	0.	0.	0.
83	SLE_calotta	Max	2.734	-3.353E-16	0.132	0.	0.
83	SLE_calotta	Min	2.734	-3.353E-16	0.132	0.	0.
83	SLU_calotta	Max	3.555	-4.359E-16	0.172	0.	0.
83	SLU_calotta	Min	3.555	-4.359E-16	0.172	0.	0.
83	SLV_calotta	Max	0.	0.	0.	0.	0.
83	SLV_calotta	Min	0.	0.	0.	0.	0.
84	SLE_dreno	Max	2.175	-1.952E-16	0.028	0.	0.
84	SLE_dreno	Min	2.175	-1.952E-16	0.028	0.	0.
84	SLU_dreno	Max	2.828	-2.538E-16	0.036	0.	0.
84	SLU_dreno	Min	2.828	-2.538E-16	0.036	0.	0.
84	SLV_dreno	Max	0.	0.	0.	0.	0.
84	SLV_dreno	Min	0.	0.	0.	0.	0.
84	SLE_calotta	Max	1.657	-1.285E-16	0.016	0.	0.
84	SLE_calotta	Min	1.657	-1.285E-16	0.016	0.	0.
84	SLU_calotta	Max	2.154	-1.671E-16	0.021	0.	0.
84	SLU_calotta	Min	2.154	-1.671E-16	0.021	0.	0.
84	SLV_calotta	Max	0.	0.	0.	0.	0.
84	SLV_calotta	Min	0.	0.	0.	0.	0.
85	SLE_dreno	Max	0.612	0.	-6.711E-03	0.	0.
85	SLE_dreno	Min	0.612	0.	-6.711E-03	0.	0.
85	SLU_dreno	Max	0.796	0.	-8.726E-03	0.	0.
85	SLU_dreno	Min	0.796	0.	-8.726E-03	0.	0.
85	SLV_dreno	Max	0.	0.	0.	0.	0.
85	SLV_dreno	Min	0.	0.	0.	0.	0.
85	SLE_calotta	Max	0.837	0.	-0.014	0.	0.
85	SLE_calotta	Min	0.837	0.	-0.014	0.	0.
85	SLU_calotta	Max	1.087	0.	-0.018	0.	0.
85	SLU_calotta	Min	1.087	0.	-0.018	0.	0.
85	SLV_calotta	Max	0.	0.	0.	0.	0.
85	SLV_calotta	Min	0.	0.	0.	0.	0.
86	SLE_dreno	Max	0.	0.	0.	0.	0.
86	SLE_dreno	Min	0.	0.	0.	0.	0.
86	SLU_dreno	Max	0.	0.	0.	0.	0.
86	SLU_dreno	Min	0.	0.	0.	0.	0.
86	SLV_dreno	Max	0.	0.	0.	0.	0.
86	SLV_dreno	Min	0.	0.	0.	0.	0.
86	SLE_calotta	Max	0.211	0.	-6.954E-03	0.	0.
86	SLE_calotta	Min	0.211	0.	-6.954E-03	0.	0.
86	SLU_calotta	Max	0.275	0.	-9.040E-03	0.	0.
86	SLU_calotta	Min	0.275	0.	-9.040E-03	0.	0.
86	SLV_calotta	Max	0.	0.	0.	0.	0.
86	SLV_calotta	Min	0.	0.	0.	0.	0.
87	SLE_dreno	Max	0.	0.	0.	0.	0.
87	SLE_dreno	Min	0.	0.	0.	0.	0.
87	SLU_dreno	Max	0.	0.	0.	0.	0.
87	SLU_dreno	Min	0.	0.	0.	0.	0.
87	SLV_dreno	Max	0.	0.	0.	0.	0.
87	SLV_dreno	Min	0.	0.	0.	0.	0.
87	SLE_calotta	Max	0.	0.	0.	0.	0.
87	SLE_calotta	Min	0.	0.	0.	0.	0.
87	SLU_calotta	Max	0.	0.	0.	0.	0.
87	SLU_calotta	Min	0.	0.	0.	0.	0.
87	SLV_calotta	Max	0.	0.	0.	0.	0.
87	SLV_calotta	Min	0.	0.	0.	0.	0.
88	SLE_dreno	Max	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
88	SLE_dreno	Min	0.	0.	0.	0.	0.
88	SLU_dreno	Max	0.	0.	0.	0.	0.
88	SLU_dreno	Min	0.	0.	0.	0.	0.
88	SLV_dreno	Max	0.	0.	0.	0.	0.
88	SLV_dreno	Min	0.	0.	0.	0.	0.
88	SLE_calotta	Max	0.	0.	0.	0.	0.
88	SLE_calotta	Min	0.	0.	0.	0.	0.
88	SLU_calotta	Max	0.	0.	0.	0.	0.
88	SLU_calotta	Min	0.	0.	0.	0.	0.
88	SLV_calotta	Max	0.	0.	0.	0.	0.
88	SLV_calotta	Min	0.	0.	0.	0.	0.
89	SLE_dreno	Max	0.	0.	0.	0.	0.
89	SLE_dreno	Min	0.	0.	0.	0.	0.
89	SLU_dreno	Max	0.	0.	0.	0.	0.
89	SLU_dreno	Min	0.	0.	0.	0.	0.
89	SLV_dreno	Max	0.	0.	0.	0.	0.
89	SLV_dreno	Min	0.	0.	0.	0.	0.
89	SLE_calotta	Max	0.	0.	0.	0.	0.
89	SLE_calotta	Min	0.	0.	0.	0.	0.
89	SLU_calotta	Max	0.	0.	0.	0.	0.
89	SLU_calotta	Min	0.	0.	0.	0.	0.
89	SLV_calotta	Max	0.	0.	0.	0.	0.
89	SLV_calotta	Min	0.	0.	0.	0.	0.
90	SLE_dreno	Max	0.	0.	0.	0.	0.
90	SLE_dreno	Min	0.	0.	0.	0.	0.
90	SLU_dreno	Max	0.	0.	0.	0.	0.
90	SLU_dreno	Min	0.	0.	0.	0.	0.
90	SLV_dreno	Max	0.	0.	0.	0.	0.
90	SLV_dreno	Min	0.	0.	0.	0.	0.
90	SLE_calotta	Max	0.	0.	0.	0.	0.
90	SLE_calotta	Min	0.	0.	0.	0.	0.
90	SLU_calotta	Max	0.	0.	0.	0.	0.
90	SLU_calotta	Min	0.	0.	0.	0.	0.
90	SLV_calotta	Max	0.	0.	0.	0.	0.
90	SLV_calotta	Min	0.	0.	0.	0.	0.
91	SLE_dreno	Max	0.	0.	0.	0.	0.
91	SLE_dreno	Min	0.	0.	0.	0.	0.
91	SLU_dreno	Max	0.	0.	0.	0.	0.
91	SLU_dreno	Min	0.	0.	0.	0.	0.
91	SLV_dreno	Max	0.	0.	0.	0.	0.
91	SLV_dreno	Min	0.	0.	0.	0.	0.
91	SLE_calotta	Max	0.	0.	0.	0.	0.
91	SLE_calotta	Min	0.	0.	0.	0.	0.
91	SLU_calotta	Max	0.	0.	0.	0.	0.
91	SLU_calotta	Min	0.	0.	0.	0.	0.
91	SLV_calotta	Max	0.	0.	0.	0.	0.
91	SLV_calotta	Min	0.	0.	0.	0.	0.
92	SLE_dreno	Max	0.	0.	0.	0.	0.
92	SLE_dreno	Min	0.	0.	0.	0.	0.
92	SLU_dreno	Max	0.	0.	0.	0.	0.
92	SLU_dreno	Min	0.	0.	0.	0.	0.
92	SLV_dreno	Max	0.	0.	0.	0.	0.
92	SLV_dreno	Min	0.	0.	0.	0.	0.
92	SLE_calotta	Max	0.	0.	0.	0.	0.
92	SLE_calotta	Min	0.	0.	0.	0.	0.
92	SLU_calotta	Max	0.	0.	0.	0.	0.
92	SLU_calotta	Min	0.	0.	0.	0.	0.
92	SLV_calotta	Max	0.	0.	0.	0.	0.
92	SLV_calotta	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
93	SLE_dreno	Max	0.	0.	0.	0.	0.
93	SLE_dreno	Min	0.	0.	0.	0.	0.
93	SLU_dreno	Max	0.	0.	0.	0.	0.
93	SLU_dreno	Min	0.	0.	0.	0.	0.
93	SLV_dreno	Max	0.	0.	0.	0.	0.
93	SLV_dreno	Min	0.	0.	0.	0.	0.
93	SLE_calotta	Max	0.	0.	0.	0.	0.
93	SLE_calotta	Min	0.	0.	0.	0.	0.
93	SLU_calotta	Max	0.	0.	0.	0.	0.
93	SLU_calotta	Min	0.	0.	0.	0.	0.
93	SLV_calotta	Max	0.	0.	0.	0.	0.
93	SLV_calotta	Min	0.	0.	0.	0.	0.
94	SLE_dreno	Max	0.	0.	0.	0.	0.
94	SLE_dreno	Min	0.	0.	0.	0.	0.
94	SLU_dreno	Max	0.	0.	0.	0.	0.
94	SLU_dreno	Min	0.	0.	0.	0.	0.
94	SLV_dreno	Max	0.	0.	0.	0.	0.
94	SLV_dreno	Min	0.	0.	0.	0.	0.
94	SLE_calotta	Max	0.	0.	0.	0.	0.
94	SLE_calotta	Min	0.	0.	0.	0.	0.
94	SLU_calotta	Max	0.	0.	0.	0.	0.
94	SLU_calotta	Min	0.	0.	0.	0.	0.
94	SLV_calotta	Max	0.	0.	0.	0.	0.
94	SLV_calotta	Min	0.	0.	0.	0.	0.
95	SLE_dreno	Max	0.	0.	0.	0.	0.
95	SLE_dreno	Min	0.	0.	0.	0.	0.
95	SLU_dreno	Max	0.	0.	0.	0.	0.
95	SLU_dreno	Min	0.	0.	0.	0.	0.
95	SLV_dreno	Max	0.	0.	0.	0.	0.
95	SLV_dreno	Min	0.	0.	0.	0.	0.
95	SLE_calotta	Max	0.	0.	0.	0.	0.
95	SLE_calotta	Min	0.	0.	0.	0.	0.
95	SLU_calotta	Max	0.	0.	0.	0.	0.
95	SLU_calotta	Min	0.	0.	0.	0.	0.
95	SLV_calotta	Max	0.	0.	0.	0.	0.
95	SLV_calotta	Min	0.	0.	0.	0.	0.
96	SLE_dreno	Max	0.	0.	0.	0.	0.
96	SLE_dreno	Min	0.	0.	0.	0.	0.
96	SLU_dreno	Max	0.	0.	0.	0.	0.
96	SLU_dreno	Min	0.	0.	0.	0.	0.
96	SLV_dreno	Max	0.	0.	0.	0.	0.
96	SLV_dreno	Min	0.	0.	0.	0.	0.
96	SLE_calotta	Max	0.	0.	0.	0.	0.
96	SLE_calotta	Min	0.	0.	0.	0.	0.
96	SLU_calotta	Max	0.	0.	0.	0.	0.
96	SLU_calotta	Min	0.	0.	0.	0.	0.
96	SLV_calotta	Max	0.	0.	0.	0.	0.
96	SLV_calotta	Min	0.	0.	0.	0.	0.
97	SLE_dreno	Max	0.	0.	0.	0.	0.
97	SLE_dreno	Min	0.	0.	0.	0.	0.
97	SLU_dreno	Max	0.	0.	0.	0.	0.
97	SLU_dreno	Min	0.	0.	0.	0.	0.
97	SLV_dreno	Max	0.	0.	0.	0.	0.
97	SLV_dreno	Min	0.	0.	0.	0.	0.
97	SLE_calotta	Max	0.	0.	0.	0.	0.
97	SLE_calotta	Min	0.	0.	0.	0.	0.
97	SLU_calotta	Max	0.	0.	0.	0.	0.
97	SLU_calotta	Min	0.	0.	0.	0.	0.
97	SLV_calotta	Max	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
97	SLV_calotta	Min	0.	0.	0.	0.	0.
98	SLE_dreno	Max	0.	0.	0.	0.	0.
98	SLE_dreno	Min	0.	0.	0.	0.	0.
98	SLU_dreno	Max	0.	0.	0.	0.	0.
98	SLU_dreno	Min	0.	0.	0.	0.	0.
98	SLV_dreno	Max	0.	0.	0.	0.	0.
98	SLV_dreno	Min	0.	0.	0.	0.	0.
98	SLE_calotta	Max	0.	0.	0.	0.	0.
98	SLE_calotta	Min	0.	0.	0.	0.	0.
98	SLU_calotta	Max	0.	0.	0.	0.	0.
98	SLU_calotta	Min	0.	0.	0.	0.	0.
98	SLV_calotta	Max	0.	0.	0.	0.	0.
98	SLV_calotta	Min	0.	0.	0.	0.	0.
99	SLE_dreno	Max	0.	0.	0.	0.	0.
99	SLE_dreno	Min	0.	0.	0.	0.	0.
99	SLU_dreno	Max	0.	0.	0.	0.	0.
99	SLU_dreno	Min	0.	0.	0.	0.	0.
99	SLV_dreno	Max	0.	0.	0.	0.	0.
99	SLV_dreno	Min	0.	0.	0.	0.	0.
99	SLE_calotta	Max	0.	0.	0.	0.	0.
99	SLE_calotta	Min	0.	0.	0.	0.	0.
99	SLU_calotta	Max	0.	0.	0.	0.	0.
99	SLU_calotta	Min	0.	0.	0.	0.	0.
99	SLV_calotta	Max	0.	0.	0.	0.	0.
99	SLV_calotta	Min	0.	0.	0.	0.	0.
100	SLE_dreno	Max	0.	0.	0.	0.	0.
100	SLE_dreno	Min	0.	0.	0.	0.	0.
100	SLU_dreno	Max	0.	0.	0.	0.	0.
100	SLU_dreno	Min	0.	0.	0.	0.	0.
100	SLV_dreno	Max	0.	0.	0.	0.	0.
100	SLV_dreno	Min	0.	0.	0.	0.	0.
100	SLE_calotta	Max	0.	0.	0.	0.	0.
100	SLE_calotta	Min	0.	0.	0.	0.	0.
100	SLU_calotta	Max	0.	0.	0.	0.	0.
100	SLU_calotta	Min	0.	0.	0.	0.	0.
100	SLV_calotta	Max	0.	0.	0.	0.	0.
100	SLV_calotta	Min	0.	0.	0.	0.	0.
101	SLE_dreno	Max	0.	0.	0.	0.	0.
101	SLE_dreno	Min	0.	0.	0.	0.	0.
101	SLU_dreno	Max	0.	0.	0.	0.	0.
101	SLU_dreno	Min	0.	0.	0.	0.	0.
101	SLV_dreno	Max	0.	0.	0.	0.	0.
101	SLV_dreno	Min	0.	0.	0.	0.	0.
101	SLE_calotta	Max	0.	0.	0.	0.	0.
101	SLE_calotta	Min	0.	0.	0.	0.	0.
101	SLU_calotta	Max	0.	0.	0.	0.	0.
101	SLU_calotta	Min	0.	0.	0.	0.	0.
101	SLV_calotta	Max	0.	0.	0.	0.	0.
101	SLV_calotta	Min	0.	0.	0.	0.	0.
102	SLE_dreno	Max	0.	0.	0.	0.	0.
102	SLE_dreno	Min	0.	0.	0.	0.	0.
102	SLU_dreno	Max	0.	0.	0.	0.	0.
102	SLU_dreno	Min	0.	0.	0.	0.	0.
102	SLV_dreno	Max	0.	0.	0.	0.	0.
102	SLV_dreno	Min	0.	0.	0.	0.	0.
102	SLE_calotta	Max	0.	0.	0.	0.	0.
102	SLE_calotta	Min	0.	0.	0.	0.	0.
102	SLU_calotta	Max	0.	0.	0.	0.	0.
102	SLU_calotta	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
102	SLV_calotta	Max	0.	0.	0.	0.	0.
102	SLV_calotta	Min	0.	0.	0.	0.	0.
103	SLE_dreno	Max	0.	0.	0.	0.	0.
103	SLE_dreno	Min	0.	0.	0.	0.	0.
103	SLU_dreno	Max	0.	0.	0.	0.	0.
103	SLU_dreno	Min	0.	0.	0.	0.	0.
103	SLV_dreno	Max	0.	0.	0.	0.	0.
103	SLV_dreno	Min	0.	0.	0.	0.	0.
103	SLE_calotta	Max	0.	0.	0.	0.	0.
103	SLE_calotta	Min	0.	0.	0.	0.	0.
103	SLU_calotta	Max	0.	0.	0.	0.	0.
103	SLU_calotta	Min	0.	0.	0.	0.	0.
103	SLV_calotta	Max	0.	0.	0.	0.	0.
103	SLV_calotta	Min	0.	0.	0.	0.	0.
104	SLE_dreno	Max	0.	0.	0.	0.	0.
104	SLE_dreno	Min	0.	0.	0.	0.	0.
104	SLU_dreno	Max	0.	0.	0.	0.	0.
104	SLU_dreno	Min	0.	0.	0.	0.	0.
104	SLV_dreno	Max	0.	0.	0.	0.	0.
104	SLV_dreno	Min	0.	0.	0.	0.	0.
104	SLE_calotta	Max	0.	0.	0.	0.	0.
104	SLE_calotta	Min	0.	0.	0.	0.	0.
104	SLU_calotta	Max	0.	0.	0.	0.	0.
104	SLU_calotta	Min	0.	0.	0.	0.	0.
104	SLV_calotta	Max	0.	0.	0.	0.	0.
104	SLV_calotta	Min	0.	0.	0.	0.	0.
105	SLE_dreno	Max	0.	0.	0.	0.	0.
105	SLE_dreno	Min	0.	0.	0.	0.	0.
105	SLU_dreno	Max	0.	0.	0.	0.	0.
105	SLU_dreno	Min	0.	0.	0.	0.	0.
105	SLV_dreno	Max	0.	0.	0.	0.	0.
105	SLV_dreno	Min	0.	0.	0.	0.	0.
105	SLE_calotta	Max	0.	0.	0.	0.	0.
105	SLE_calotta	Min	0.	0.	0.	0.	0.
105	SLU_calotta	Max	0.	0.	0.	0.	0.
105	SLU_calotta	Min	0.	0.	0.	0.	0.
105	SLV_calotta	Max	0.	0.	0.	0.	0.
105	SLV_calotta	Min	0.	0.	0.	0.	0.
106	SLE_dreno	Max	0.	0.	0.	0.	0.
106	SLE_dreno	Min	0.	0.	0.	0.	0.
106	SLU_dreno	Max	0.	0.	0.	0.	0.
106	SLU_dreno	Min	0.	0.	0.	0.	0.
106	SLV_dreno	Max	0.	0.	0.	0.	0.
106	SLV_dreno	Min	0.	0.	0.	0.	0.
106	SLE_calotta	Max	0.	0.	0.	0.	0.
106	SLE_calotta	Min	0.	0.	0.	0.	0.
106	SLU_calotta	Max	0.	0.	0.	0.	0.
106	SLU_calotta	Min	0.	0.	0.	0.	0.
106	SLV_calotta	Max	0.	0.	0.	0.	0.
106	SLV_calotta	Min	0.	0.	0.	0.	0.
107	SLE_dreno	Max	0.	0.	0.	0.	0.
107	SLE_dreno	Min	0.	0.	0.	0.	0.
107	SLU_dreno	Max	0.	0.	0.	0.	0.
107	SLU_dreno	Min	0.	0.	0.	0.	0.
107	SLV_dreno	Max	0.	0.	0.	0.	0.
107	SLV_dreno	Min	0.	0.	0.	0.	0.
107	SLE_calotta	Max	0.	0.	0.	0.	0.
107	SLE_calotta	Min	0.	0.	0.	0.	0.
107	SLU_calotta	Max	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
107	SLU_calotta	Min	0.	0.	0.	0.	0.
107	SLV_calotta	Max	0.	0.	0.	0.	0.
107	SLV_calotta	Min	0.	0.	0.	0.	0.
108	SLE_dreno	Max	0.	0.	0.	0.	0.
108	SLE_dreno	Min	0.	0.	0.	0.	0.
108	SLU_dreno	Max	0.	0.	0.	0.	0.
108	SLU_dreno	Min	0.	0.	0.	0.	0.
108	SLV_dreno	Max	0.	0.	0.	0.	0.
108	SLV_dreno	Min	0.	0.	0.	0.	0.
108	SLE_calotta	Max	0.	0.	0.	0.	0.
108	SLE_calotta	Min	0.	0.	0.	0.	0.
108	SLU_calotta	Max	0.	0.	0.	0.	0.
108	SLU_calotta	Min	0.	0.	0.	0.	0.
108	SLV_calotta	Max	0.	0.	0.	0.	0.
108	SLV_calotta	Min	0.	0.	0.	0.	0.
109	SLE_dreno	Max	0.	0.	0.	0.	0.
109	SLE_dreno	Min	0.	0.	0.	0.	0.
109	SLU_dreno	Max	0.	0.	0.	0.	0.
109	SLU_dreno	Min	0.	0.	0.	0.	0.
109	SLV_dreno	Max	0.	0.	0.	0.	0.
109	SLV_dreno	Min	0.	0.	0.	0.	0.
109	SLE_calotta	Max	0.	0.	0.	0.	0.
109	SLE_calotta	Min	0.	0.	0.	0.	0.
109	SLU_calotta	Max	0.	0.	0.	0.	0.
109	SLU_calotta	Min	0.	0.	0.	0.	0.
109	SLV_calotta	Max	0.	0.	0.	0.	0.
109	SLV_calotta	Min	0.	0.	0.	0.	0.
110	SLE_dreno	Max	0.	0.	0.	0.	0.
110	SLE_dreno	Min	0.	0.	0.	0.	0.
110	SLU_dreno	Max	0.	0.	0.	0.	0.
110	SLU_dreno	Min	0.	0.	0.	0.	0.
110	SLV_dreno	Max	0.	0.	0.	0.	0.
110	SLV_dreno	Min	0.	0.	0.	0.	0.
110	SLE_calotta	Max	0.	0.	0.	0.	0.
110	SLE_calotta	Min	0.	0.	0.	0.	0.
110	SLU_calotta	Max	0.	0.	0.	0.	0.
110	SLU_calotta	Min	0.	0.	0.	0.	0.
110	SLV_calotta	Max	0.	0.	0.	0.	0.
110	SLV_calotta	Min	0.	0.	0.	0.	0.
111	SLE_dreno	Max	0.	0.	0.	0.	0.
111	SLE_dreno	Min	0.	0.	0.	0.	0.
111	SLU_dreno	Max	0.	0.	0.	0.	0.
111	SLU_dreno	Min	0.	0.	0.	0.	0.
111	SLV_dreno	Max	0.	0.	0.	0.	0.
111	SLV_dreno	Min	0.	0.	0.	0.	0.
111	SLE_calotta	Max	0.	0.	0.	0.	0.
111	SLE_calotta	Min	0.	0.	0.	0.	0.
111	SLU_calotta	Max	0.	0.	0.	0.	0.
111	SLU_calotta	Min	0.	0.	0.	0.	0.
111	SLV_calotta	Max	0.	0.	0.	0.	0.
111	SLV_calotta	Min	0.	0.	0.	0.	0.
112	SLE_dreno	Max	0.	0.	0.	0.	0.
112	SLE_dreno	Min	0.	0.	0.	0.	0.
112	SLU_dreno	Max	0.	0.	0.	0.	0.
112	SLU_dreno	Min	0.	0.	0.	0.	0.
112	SLV_dreno	Max	0.	0.	0.	0.	0.
112	SLV_dreno	Min	0.	0.	0.	0.	0.
112	SLE_calotta	Max	0.	0.	0.	0.	0.
112	SLE_calotta	Min	0.	0.	0.	0.	0.

**Table 20: Joint Reactions, Part 1 of 2**

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
112	SLU_calotta	Max	0.	0.	0.	0.	0.
112	SLU_calotta	Min	0.	0.	0.	0.	0.
112	SLV_calotta	Max	0.	0.	0.	0.	0.
112	SLV_calotta	Min	0.	0.	0.	0.	0.
113	SLE_dreno	Max	0.	0.	0.	0.	0.
113	SLE_dreno	Min	0.	0.	0.	0.	0.
113	SLU_dreno	Max	0.	0.	0.	0.	0.
113	SLU_dreno	Min	0.	0.	0.	0.	0.
113	SLV_dreno	Max	0.	0.	0.	0.	0.
113	SLV_dreno	Min	0.	0.	0.	0.	0.
113	SLE_calotta	Max	0.	0.	0.	0.	0.
113	SLE_calotta	Min	0.	0.	0.	0.	0.
113	SLU_calotta	Max	0.	0.	0.	0.	0.
113	SLU_calotta	Min	0.	0.	0.	0.	0.
113	SLV_calotta	Max	0.	0.	0.	0.	0.
113	SLV_calotta	Min	0.	0.	0.	0.	0.
114	SLE_dreno	Max	0.	0.	0.	0.	0.
114	SLE_dreno	Min	0.	0.	0.	0.	0.
114	SLU_dreno	Max	0.	0.	0.	0.	0.
114	SLU_dreno	Min	0.	0.	0.	0.	0.
114	SLV_dreno	Max	0.	0.	0.	0.	0.
114	SLV_dreno	Min	0.	0.	0.	0.	0.
114	SLE_calotta	Max	0.	0.	0.	0.	0.
114	SLE_calotta	Min	0.	0.	0.	0.	0.
114	SLU_calotta	Max	0.	0.	0.	0.	0.
114	SLU_calotta	Min	0.	0.	0.	0.	0.
114	SLV_calotta	Max	0.	0.	0.	0.	0.
114	SLV_calotta	Min	0.	0.	0.	0.	0.

**Table 20: Joint Reactions, Part 2 of 2**

Table 20: Joint Reactions,  
 Part 2 of 2

Joint	M3 KN-m
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.

**Table 20: Joint Reactions,  
Part 2 of 2**

Joint	M3 KN-m
2	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.





**Table 20: Joint Reactions,**  
**Part 2 of 2**

<b>Joint</b>	<b>M3</b> KN-m
12	0.
12	0.
12	0.
12	0.
12	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
17	0.
17	0.
17	0.
17	0.
17	0.

**Table 20: Joint Reactions,  
 Part 2 of 2**

Joint	M3 KN-m
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
22	0.
22	0.
22	0.



Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.

**Table 20: Joint Reactions,  
Part 2 of 2**

Joint	M3 KN-m
31	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.



Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
41	0.
41	0.
41	0.
41	0.
41	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
46	0.
46	0.
46	0.
46	0.
46	0.



Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
51	0.
51	0.
51	0.

**Table 20: Joint Reactions,  
Part 2 of 2**

<b>Joint</b>	<b>M3 KN-m</b>
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
56	0.

**Table 20: Joint Reactions,  
Part 2 of 2**

Joint	M3 KN-m
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.

**Table 20: Joint Reactions,**  
**Part 2 of 2**

<b>Joint</b>	<b>M3</b> KN-m
60	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.

Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
65	0.
65	0.
65	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.





Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
85	0.







**Table 20: Joint Reactions,  
Part 2 of 2**

Joint	M3 KN-m
94	0.
94	0.
94	0.
95	0.
95	0.
95	0.
95	0.
95	0.
95	0.
95	0.
95	0.
95	0.
95	0.
95	0.
95	0.
95	0.
96	0.
96	0.
96	0.
96	0.
96	0.
96	0.
96	0.
96	0.
96	0.
96	0.
96	0.
96	0.
96	0.
97	0.
97	0.
97	0.
97	0.
97	0.
97	0.
97	0.
97	0.
97	0.
97	0.
97	0.
97	0.
97	0.
97	0.
97	0.
98	0.
98	0.
98	0.
98	0.
98	0.
98	0.
98	0.
98	0.
98	0.
98	0.
98	0.
98	0.
99	0.
99	0.
99	0.
99	0.
99	0.
99	0.
99	0.
99	0.

Table 20: Joint Reactions,  
Part 2 of 2

Joint	M3 KN-m
99	0.
99	0.
99	0.
99	0.
99	0.
100	0.
100	0.
100	0.
100	0.
100	0.
100	0.
100	0.
100	0.
100	0.
100	0.
100	0.
100	0.
100	0.
100	0.
100	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
101	0.
102	0.
102	0.
102	0.
102	0.
102	0.
102	0.
102	0.
102	0.
102	0.
102	0.
102	0.
102	0.
102	0.
103	0.
103	0.
103	0.
103	0.
103	0.
103	0.
103	0.
103	0.
103	0.
103	0.
103	0.
103	0.
104	0.
104	0.
104	0.
104	0.
104	0.



**Table 20: Joint Reactions,  
Part 2 of 2**

Joint	M3 KN-m
109	0.
109	0.
109	0.
109	0.
109	0.
109	0.
109	0.
109	0.
109	0.
109	0.
110	0.
110	0.
110	0.
110	0.
110	0.
110	0.
110	0.
110	0.
110	0.
110	0.
110	0.
110	0.
110	0.
110	0.
110	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
111	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
112	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
113	0.
114	0.

**Table 20: Joint Reactions, Part 2 of 2**

Joint	M3 KN-m
114	0.
114	0.
114	0.
114	0.
114	0.
114	0.
114	0.
114	0.
114	0.
114	0.
114	0.

## 8. Frame results

This section provides frame force results.

**Table 21: Element Forces - Frames, Part 1 of 2**

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
1	0.	SLE_dreno	Max	-547.924	0.787	-1.138E-13
1	0.25195	SLE_dreno	Max	-548.189	14.953	-1.138E-13
1	0.5039	SLE_dreno	Max	-548.454	29.118	-1.138E-13
1	0.	SLE_dreno	Min	-547.924	0.787	-1.138E-13
1	0.25195	SLE_dreno	Min	-548.189	14.953	-1.138E-13
1	0.5039	SLE_dreno	Min	-548.454	29.118	-1.138E-13
1	0.	SLU_dreno	Max	-712.392	1.027	-9.099E-13
1	0.25195	SLU_dreno	Max	-712.737	19.442	-9.099E-13
1	0.5039	SLU_dreno	Max	-713.081	37.857	-9.099E-13
1	0.	SLU_dreno	Min	-712.392	1.027	-9.099E-13
1	0.25195	SLU_dreno	Min	-712.737	19.442	-9.099E-13
1	0.5039	SLU_dreno	Min	-713.081	37.857	-9.099E-13
1	0.	SLV_dreno	Max	-715.644	32.349	-2.280E-13
1	0.25195	SLV_dreno	Max	-715.942	48.285	-2.280E-13
1	0.5039	SLV_dreno	Max	-716.24	64.221	-2.280E-13
1	0.	SLV_dreno	Min	-715.644	32.349	-2.280E-13
1	0.25195	SLV_dreno	Min	-715.942	48.285	-2.280E-13
1	0.5039	SLV_dreno	Min	-716.24	64.221	-2.280E-13
1	0.	SLE_calotta	Max	-618.842	-2.524	-5.690E-14
1	0.25195	SLE_calotta	Max	-619.107	11.641	-5.690E-14
1	0.5039	SLE_calotta	Max	-619.371	25.807	-5.690E-14
1	0.	SLE_calotta	Min	-618.842	-2.524	-5.690E-14
1	0.25195	SLE_calotta	Min	-619.107	11.641	-5.690E-14
1	0.5039	SLE_calotta	Min	-619.371	25.807	-5.690E-14
1	0.	SLU_calotta	Max	-804.494	-3.281	-8.543E-14
1	0.25195	SLU_calotta	Max	-804.838	15.134	-8.543E-14
1	0.5039	SLU_calotta	Max	-805.183	33.549	-8.543E-14
1	0.	SLU_calotta	Min	-804.494	-3.281	-8.543E-14
1	0.25195	SLU_calotta	Min	-804.838	15.134	-8.543E-14
1	0.5039	SLU_calotta	Min	-805.183	33.549	-8.543E-14
1	0.	SLV_calotta	Max	-948.28	30.676	-2.272E-13
1	0.25195	SLV_calotta	Max	-948.578	46.612	-2.272E-13
1	0.5039	SLV_calotta	Max	-948.876	62.548	-2.272E-13
1	0.	SLV_calotta	Min	-948.28	30.676	-2.272E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
1	0.25195	SLV_calotta	Min	-948.578	46.612	-2.272E-13
1	0.5039	SLV_calotta	Min	-948.876	62.548	-2.272E-13
2	0.	SLE_dreno	Max	-550.	30.776	-1.139E-13
2	0.25195	SLE_dreno	Max	-550.795	44.921	-1.139E-13
2	0.5039	SLE_dreno	Max	-551.589	59.067	-1.139E-13
2	0.	SLE_dreno	Min	-550.	30.776	-1.139E-13
2	0.25195	SLE_dreno	Min	-550.795	44.921	-1.139E-13
2	0.5039	SLE_dreno	Min	-551.589	59.067	-1.139E-13
2	0.	SLU_dreno	Max	-715.092	40.019	0.
2	0.25195	SLU_dreno	Max	-716.124	58.408	0.
2	0.5039	SLU_dreno	Max	-717.157	76.798	0.
2	0.	SLU_dreno	Min	-715.092	40.019	0.
2	0.25195	SLU_dreno	Min	-716.124	58.408	0.
2	0.5039	SLU_dreno	Min	-717.157	76.798	0.
2	0.	SLV_dreno	Max	-719.202	62.355	-2.280E-13
2	0.25195	SLV_dreno	Max	-720.096	78.268	-2.280E-13
2	0.5039	SLV_dreno	Max	-720.989	94.182	-2.280E-13
2	0.	SLV_dreno	Min	-719.202	62.355	-2.280E-13
2	0.25195	SLV_dreno	Min	-720.096	78.268	-2.280E-13
2	0.5039	SLV_dreno	Min	-720.989	94.182	-2.280E-13
2	0.	SLE_calotta	Max	-620.52	20.829	-8.532E-14
2	0.25195	SLE_calotta	Max	-621.314	34.975	-8.532E-14
2	0.5039	SLE_calotta	Max	-622.108	49.12	-8.532E-14
2	0.	SLE_calotta	Min	-620.52	20.829	-8.532E-14
2	0.25195	SLE_calotta	Min	-621.314	34.975	-8.532E-14
2	0.5039	SLE_calotta	Min	-622.108	49.12	-8.532E-14
2	0.	SLU_calotta	Max	-806.676	27.078	-1.423E-13
2	0.25195	SLU_calotta	Max	-807.708	45.467	-1.423E-13
2	0.5039	SLU_calotta	Max	-808.741	63.857	-1.423E-13
2	0.	SLU_calotta	Min	-806.676	27.078	-1.423E-13
2	0.25195	SLU_calotta	Min	-807.708	45.467	-1.423E-13
2	0.5039	SLU_calotta	Min	-808.741	63.857	-1.423E-13
2	0.	SLV_calotta	Max	-951.359	47.495	-3.415E-13
2	0.25195	SLV_calotta	Max	-952.253	63.408	-3.415E-13
2	0.5039	SLV_calotta	Max	-953.147	79.322	-3.415E-13
2	0.	SLV_calotta	Min	-951.359	47.495	-3.415E-13
2	0.25195	SLV_calotta	Min	-952.253	63.408	-3.415E-13
2	0.5039	SLV_calotta	Min	-953.147	79.322	-3.415E-13
3	0.	SLE_dreno	Max	-554.696	60.885	-1.706E-13
3	0.25195	SLE_dreno	Max	-556.019	74.991	-1.706E-13
3	0.5039	SLE_dreno	Max	-557.342	89.097	-1.706E-13
3	0.	SLE_dreno	Min	-554.696	60.885	-1.706E-13
3	0.25195	SLE_dreno	Min	-556.019	74.991	-1.706E-13
3	0.5039	SLE_dreno	Min	-557.342	89.097	-1.706E-13
3	0.	SLU_dreno	Max	-721.197	79.168	9.093E-13
3	0.25195	SLU_dreno	Max	-722.916	97.506	9.093E-13
3	0.5039	SLU_dreno	Max	-724.636	115.844	9.093E-13
3	0.	SLU_dreno	Min	-721.197	79.168	9.093E-13
3	0.25195	SLU_dreno	Min	-722.916	97.506	9.093E-13
3	0.5039	SLU_dreno	Min	-724.636	115.844	9.093E-13
3	0.	SLV_dreno	Max	-725.685	92.438	-1.140E-13
3	0.25195	SLV_dreno	Max	-727.173	108.307	-1.140E-13
3	0.5039	SLV_dreno	Max	-728.661	124.176	-1.140E-13
3	0.	SLV_dreno	Min	-725.685	92.438	-1.140E-13
3	0.25195	SLV_dreno	Min	-727.173	108.307	-1.140E-13
3	0.5039	SLV_dreno	Min	-728.661	124.176	-1.140E-13
3	0.	SLE_calotta	Max	-624.41	44.279	-8.535E-14
3	0.25195	SLE_calotta	Max	-625.733	58.385	-8.535E-14
3	0.5039	SLE_calotta	Max	-627.056	72.491	-8.535E-14



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
3	0.	SLE_calotta	Min	-624.41	44.279	-8.535E-14
3	0.25195	SLE_calotta	Min	-625.733	58.385	-8.535E-14
3	0.5039	SLE_calotta	Min	-627.056	72.491	-8.535E-14
3	0.	SLU_calotta	Max	-811.734	57.563	-8.554E-14
3	0.25195	SLU_calotta	Max	-813.453	75.901	-8.554E-14
3	0.5039	SLU_calotta	Max	-815.173	94.239	-8.554E-14
3	0.	SLV_calotta	Min	-811.734	57.563	-8.554E-14
3	0.25195	SLV_calotta	Min	-813.453	75.901	-8.554E-14
3	0.5039	SLV_calotta	Min	-815.173	94.239	-8.554E-14
3	0.	SLV_calotta	Max	-956.694	64.369	-3.415E-13
3	0.25195	SLV_calotta	Max	-958.182	80.238	-3.415E-13
3	0.5039	SLV_calotta	Max	-959.67	96.107	-3.415E-13
3	0.	SLV_calotta	Min	-956.694	64.369	-3.415E-13
3	0.25195	SLV_calotta	Min	-958.182	80.238	-3.415E-13
3	0.5039	SLV_calotta	Min	-959.67	96.107	-3.415E-13
4	0.	SLE_dreno	Max	-562.037	91.178	-2.846E-13
4	0.25195	SLE_dreno	Max	-563.886	105.225	-2.846E-13
4	0.5039	SLE_dreno	Max	-565.735	119.272	-2.846E-13
4	0.	SLE_dreno	Min	-562.037	91.178	-2.846E-13
4	0.25195	SLE_dreno	Min	-563.886	105.225	-2.846E-13
4	0.5039	SLE_dreno	Min	-565.735	119.272	-2.846E-13
4	0.	SLU_dreno	Max	-730.74	118.557	-3.331E-16
4	0.25195	SLU_dreno	Max	-733.144	136.818	-3.331E-16
4	0.5039	SLU_dreno	Max	-735.548	155.078	-3.331E-16
4	0.	SLU_dreno	Min	-730.74	118.557	-3.331E-16
4	0.25195	SLU_dreno	Min	-733.144	136.818	-3.331E-16
4	0.5039	SLU_dreno	Min	-735.548	155.078	-3.331E-16
4	0.	SLV_dreno	Max	-735.123	122.661	-3.421E-13
4	0.25195	SLV_dreno	Max	-737.204	138.463	-3.421E-13
4	0.5039	SLV_dreno	Max	-739.284	154.266	-3.421E-13
4	0.	SLV_dreno	Min	-735.123	122.661	-3.421E-13
4	0.25195	SLV_dreno	Min	-737.204	138.463	-3.421E-13
4	0.5039	SLV_dreno	Min	-739.284	154.266	-3.421E-13
4	0.	SLE_calotta	Max	-630.521	67.876	-1.138E-13
4	0.25195	SLE_calotta	Max	-632.37	81.922	-1.138E-13
4	0.5039	SLE_calotta	Max	-634.22	95.969	-1.138E-13
4	0.	SLE_calotta	Min	-630.521	67.876	-1.138E-13
4	0.25195	SLE_calotta	Min	-632.37	81.922	-1.138E-13
4	0.5039	SLE_calotta	Min	-634.22	95.969	-1.138E-13
4	0.	SLU_calotta	Max	-819.678	88.238	-1.427E-13
4	0.25195	SLU_calotta	Max	-822.082	106.499	-1.427E-13
4	0.5039	SLU_calotta	Max	-824.485	124.76	-1.427E-13
4	0.	SLU_calotta	Min	-819.678	88.238	-1.427E-13
4	0.25195	SLU_calotta	Min	-822.082	106.499	-1.427E-13
4	0.5039	SLU_calotta	Min	-824.485	124.76	-1.427E-13
4	0.	SLV_calotta	Max	-964.297	81.353	-4.556E-13
4	0.25195	SLV_calotta	Max	-966.377	97.156	-4.556E-13
4	0.5039	SLV_calotta	Max	-968.457	112.958	-4.556E-13
4	0.	SLV_calotta	Min	-964.297	81.353	-4.556E-13
4	0.25195	SLV_calotta	Min	-966.377	97.156	-4.556E-13
4	0.5039	SLV_calotta	Min	-968.457	112.958	-4.556E-13
5	0.	SLE_dreno	Max	-572.058	121.712	-2.843E-13
5	0.25195	SLE_dreno	Max	-574.431	135.68	-2.843E-13
5	0.5039	SLE_dreno	Max	-576.804	149.648	-2.843E-13
5	0.	SLE_dreno	Min	-572.058	121.712	-2.843E-13
5	0.25195	SLE_dreno	Min	-574.431	135.68	-2.843E-13
5	0.5039	SLE_dreno	Min	-576.804	149.648	-2.843E-13
5	0.	SLU_dreno	Max	-743.769	158.258	-4.551E-13
5	0.25195	SLU_dreno	Max	-746.854	176.416	-4.551E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
5	0.5039	SLU_dreno	Max	-749.939	194.575	-4.551E-13
5	0.	SLU_dreno	Min	-743.769	158.258	-4.551E-13
5	0.25195	SLU_dreno	Min	-746.854	176.416	-4.551E-13
5	0.5039	SLU_dreno	Min	-749.939	194.575	-4.551E-13
5	0.	SLV_dreno	Max	-747.565	153.077	-3.419E-13
5	0.25195	SLV_dreno	Max	-750.235	168.791	-3.419E-13
5	0.5039	SLV_dreno	Max	-752.905	184.504	-3.419E-13
5	0.	SLV_dreno	Min	-747.565	153.077	-3.419E-13
5	0.25195	SLV_dreno	Min	-750.235	168.791	-3.419E-13
5	0.5039	SLV_dreno	Min	-752.905	184.504	-3.419E-13
5	0.	SLE_calotta	Max	-638.863	91.667	-8.540E-14
5	0.25195	SLE_calotta	Max	-641.236	105.634	-8.540E-14
5	0.5039	SLE_calotta	Max	-643.609	119.602	-8.540E-14
5	0.	SLE_calotta	Min	-638.863	91.667	-8.540E-14
5	0.25195	SLE_calotta	Min	-641.236	105.634	-8.540E-14
5	0.5039	SLE_calotta	Min	-643.609	119.602	-8.540E-14
5	0.	SLU_calotta	Max	-830.521	119.167	-1.142E-13
5	0.25195	SLU_calotta	Max	-833.606	137.325	-1.142E-13
5	0.5039	SLU_calotta	Max	-836.691	155.483	-1.142E-13
5	0.	SLU_calotta	Min	-830.521	119.167	-1.142E-13
5	0.25195	SLU_calotta	Min	-833.606	137.325	-1.142E-13
5	0.5039	SLU_calotta	Min	-836.691	155.483	-1.142E-13
5	0.	SLV_calotta	Max	-974.191	98.498	-5.687E-13
5	0.25195	SLV_calotta	Max	-976.861	114.212	-5.687E-13
5	0.5039	SLV_calotta	Max	-979.53	129.926	-5.687E-13
5	0.	SLV_calotta	Min	-974.191	98.498	-5.687E-13
5	0.25195	SLV_calotta	Min	-976.861	114.212	-5.687E-13
5	0.5039	SLV_calotta	Min	-979.53	129.926	-5.687E-13
6	0.	SLE_dreno	Max	-584.806	152.535	-2.275E-13
6	0.25195	SLE_dreno	Max	-587.7	166.404	-2.275E-13
6	0.5039	SLE_dreno	Max	-590.593	180.274	-2.275E-13
6	0.	SLE_dreno	Min	-584.806	152.535	-2.275E-13
6	0.25195	SLE_dreno	Min	-587.7	166.404	-2.275E-13
6	0.5039	SLE_dreno	Min	-590.593	180.274	-2.275E-13
6	0.	SLU_dreno	Max	-760.343	198.335	4.547E-13
6	0.25195	SLU_dreno	Max	-764.104	216.365	4.547E-13
6	0.5039	SLU_dreno	Max	-767.866	234.395	4.547E-13
6	0.	SLU_dreno	Min	-760.343	198.335	4.547E-13
6	0.25195	SLU_dreno	Min	-764.104	216.365	4.547E-13
6	0.5039	SLU_dreno	Min	-767.866	234.395	4.547E-13
6	0.	SLV_dreno	Max	-763.07	183.728	-1.709E-13
6	0.25195	SLV_dreno	Max	-766.326	199.331	-1.709E-13
6	0.5039	SLV_dreno	Max	-769.581	214.934	-1.709E-13
6	0.	SLV_dreno	Min	-763.07	183.728	-1.709E-13
6	0.25195	SLV_dreno	Min	-766.326	199.331	-1.709E-13
6	0.5039	SLV_dreno	Min	-769.581	214.934	-1.709E-13
6	0.	SLE_calotta	Max	-649.448	115.697	-8.529E-14
6	0.25195	SLE_calotta	Max	-652.342	129.566	-8.529E-14
6	0.5039	SLE_calotta	Max	-655.235	143.435	-8.529E-14
6	0.	SLE_calotta	Min	-649.448	115.697	-8.529E-14
6	0.25195	SLE_calotta	Min	-652.342	129.566	-8.529E-14
6	0.5039	SLE_calotta	Min	-655.235	143.435	-8.529E-14
6	0.	SLU_calotta	Max	-844.282	150.405	-1.141E-13
6	0.25195	SLU_calotta	Max	-848.044	168.436	-1.141E-13
6	0.5039	SLU_calotta	Max	-851.806	186.466	-1.141E-13
6	0.	SLU_calotta	Min	-844.282	150.405	-1.141E-13
6	0.25195	SLU_calotta	Min	-848.044	168.436	-1.141E-13
6	0.5039	SLU_calotta	Min	-851.806	186.466	-1.141E-13
6	0.	SLV_calotta	Max	-986.405	115.848	-3.413E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
6	0.25195	SLV_calotta	Max	-989.661	131.451	-3.413E-13
6	0.5039	SLV_calotta	Max	-992.916	147.054	-3.413E-13
6	0.	SLV_calotta	Min	-986.405	115.848	-3.413E-13
6	0.25195	SLV_calotta	Min	-989.661	131.451	-3.413E-13
6	0.5039	SLV_calotta	Min	-992.916	147.054	-3.413E-13
7	0.	SLE_dreno	Max	-600.336	183.683	-5.690E-14
7	0.25195	SLE_dreno	Max	-603.746	197.434	-5.690E-14
7	0.5039	SLE_dreno	Max	-607.156	211.186	-5.690E-14
7	0.	SLE_dreno	Min	-600.336	183.683	-5.690E-14
7	0.25195	SLE_dreno	Min	-603.746	197.434	-5.690E-14
7	0.5039	SLE_dreno	Min	-607.156	211.186	-5.690E-14
7	0.	SLU_dreno	Max	-780.533	238.834	-1.110E-16
7	0.25195	SLU_dreno	Max	-784.966	256.711	-1.110E-16
7	0.5039	SLU_dreno	Max	-789.399	274.588	-1.110E-16
7	0.	SLU_dreno	Min	-780.533	238.834	-1.110E-16
7	0.25195	SLU_dreno	Min	-784.966	256.711	-1.110E-16
7	0.5039	SLU_dreno	Min	-789.399	274.588	-1.110E-16
7	0.	SLV_dreno	Max	-781.711	214.641	-1.709E-13
7	0.25195	SLV_dreno	Max	-785.547	230.111	-1.709E-13
7	0.5039	SLV_dreno	Max	-789.383	245.582	-1.709E-13
7	0.	SLV_dreno	Min	-781.711	214.641	-1.709E-13
7	0.25195	SLV_dreno	Min	-785.547	230.111	-1.709E-13
7	0.5039	SLV_dreno	Min	-789.383	245.582	-1.709E-13
7	0.	SLE_calotta	Max	-662.293	140.006	-4.269E-14
7	0.25195	SLE_calotta	Max	-665.703	153.757	-4.269E-14
7	0.5039	SLE_calotta	Max	-669.113	167.509	-4.269E-14
7	0.	SLE_calotta	Min	-662.293	140.006	-4.269E-14
7	0.25195	SLE_calotta	Min	-665.703	153.757	-4.269E-14
7	0.5039	SLE_calotta	Min	-669.113	167.509	-4.269E-14
7	0.	SLU_calotta	Max	-860.981	182.007	-5.701E-14
7	0.25195	SLU_calotta	Max	-865.414	199.884	-5.701E-14
7	0.5039	SLU_calotta	Max	-869.847	217.761	-5.701E-14
7	0.	SLU_calotta	Min	-860.981	182.007	-5.701E-14
7	0.25195	SLU_calotta	Min	-865.414	199.884	-5.701E-14
7	0.5039	SLU_calotta	Min	-869.847	217.761	-5.701E-14
7	0.	SLV_calotta	Max	-1000.973	133.439	-2.276E-13
7	0.25195	SLV_calotta	Max	-1004.81	148.909	-2.276E-13
7	0.5039	SLV_calotta	Max	-1008.646	164.379	-2.276E-13
7	0.	SLV_calotta	Min	-1000.973	133.439	-2.276E-13
7	0.25195	SLV_calotta	Min	-1004.81	148.909	-2.276E-13
7	0.5039	SLV_calotta	Min	-1008.646	164.379	-2.276E-13
8	0.	SLE_dreno	Max	-618.709	215.18	-1.422E-13
8	0.25195	SLE_dreno	Max	-622.631	228.795	-1.422E-13
8	0.5039	SLE_dreno	Max	-626.553	242.409	-1.422E-13
8	0.	SLE_dreno	Min	-618.709	215.18	-1.422E-13
8	0.25195	SLE_dreno	Min	-622.631	228.795	-1.422E-13
8	0.5039	SLE_dreno	Min	-626.553	242.409	-1.422E-13
8	0.	SLU_dreno	Max	-804.42	279.787	4.545E-13
8	0.25195	SLU_dreno	Max	-809.519	297.486	4.545E-13
8	0.5039	SLU_dreno	Max	-814.617	315.184	4.545E-13
8	0.	SLU_dreno	Min	-804.42	279.787	4.545E-13
8	0.25195	SLU_dreno	Min	-809.519	297.486	4.545E-13
8	0.5039	SLU_dreno	Min	-814.617	315.184	4.545E-13
8	0.	SLV_dreno	Max	-803.567	245.825	-2.280E-13
8	0.25195	SLV_dreno	Max	-807.979	261.141	-2.280E-13
8	0.5039	SLV_dreno	Max	-812.391	276.457	-2.280E-13
8	0.	SLV_dreno	Min	-803.567	245.825	-2.280E-13
8	0.25195	SLV_dreno	Min	-807.979	261.141	-2.280E-13
8	0.5039	SLV_dreno	Min	-812.391	276.457	-2.280E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
8	0.	SLE_calotta	Max	-677.414	164.63	-5.690E-14
8	0.25195	SLE_calotta	Max	-681.336	178.245	-5.690E-14
8	0.5039	SLE_calotta	Max	-685.258	191.859	-5.690E-14
8	0.	SLE_calotta	Min	-677.414	164.63	-5.690E-14
8	0.25195	SLE_calotta	Min	-681.336	178.245	-5.690E-14
8	0.5039	SLE_calotta	Min	-685.258	191.859	-5.690E-14
8	0.	SLU_calotta	Max	-880.638	214.02	-8.557E-14
8	0.25195	SLU_calotta	Max	-885.737	231.718	-8.557E-14
8	0.5039	SLU_calotta	Max	-890.835	249.417	-8.557E-14
8	0.	SLU_calotta	Min	-880.638	214.02	-8.557E-14
8	0.25195	SLU_calotta	Min	-885.737	231.718	-8.557E-14
8	0.5039	SLU_calotta	Min	-890.835	249.417	-8.557E-14
8	0.	SLV_calotta	Max	-1017.934	151.297	-2.276E-13
8	0.25195	SLV_calotta	Max	-1022.346	166.613	-2.276E-13
8	0.5039	SLV_calotta	Max	-1026.758	181.929	-2.276E-13
8	0.	SLV_calotta	Min	-1017.934	151.297	-2.276E-13
8	0.25195	SLV_calotta	Min	-1022.346	166.613	-2.276E-13
8	0.5039	SLV_calotta	Min	-1026.758	181.929	-2.276E-13
9	0.	SLE_dreno	Max	-639.993	247.037	-1.992E-13
9	0.25195	SLE_dreno	Max	-644.422	260.495	-1.992E-13
9	0.5039	SLE_dreno	Max	-648.85	273.953	-1.992E-13
9	0.	SLE_dreno	Min	-639.993	247.037	-1.992E-13
9	0.25195	SLE_dreno	Min	-644.422	260.495	-1.992E-13
9	0.5039	SLE_dreno	Min	-648.85	273.953	-1.992E-13
9	0.	SLU_dreno	Max	-832.092	321.207	-2.220E-16
9	0.25195	SLU_dreno	Max	-837.849	338.702	-2.220E-16
9	0.5039	SLU_dreno	Max	-843.605	356.198	-2.220E-16
9	0.	SLU_dreno	Min	-832.092	321.207	-2.220E-16
9	0.25195	SLU_dreno	Min	-837.849	338.702	-2.220E-16
9	0.5039	SLU_dreno	Min	-843.605	356.198	-2.220E-16
9	0.	SLV_dreno	Max	-828.727	277.269	-2.850E-13
9	0.25195	SLV_dreno	Max	-833.709	292.41	-2.850E-13
9	0.5039	SLV_dreno	Max	-838.69	307.55	-2.850E-13
9	0.	SLV_dreno	Min	-828.727	277.269	-2.850E-13
9	0.25195	SLV_dreno	Min	-833.709	292.41	-2.850E-13
9	0.5039	SLV_dreno	Min	-838.69	307.55	-2.850E-13
9	0.	SLE_calotta	Max	-694.831	189.602	-1.138E-13
9	0.25195	SLE_calotta	Max	-699.259	203.06	-1.138E-13
9	0.5039	SLE_calotta	Max	-703.687	216.518	-1.138E-13
9	0.	SLE_calotta	Min	-694.831	189.602	-1.138E-13
9	0.25195	SLE_calotta	Min	-699.259	203.06	-1.138E-13
9	0.5039	SLE_calotta	Min	-703.687	216.518	-1.138E-13
9	0.	SLU_calotta	Max	-903.28	246.482	-1.140E-13
9	0.25195	SLU_calotta	Max	-909.036	263.978	-1.140E-13
9	0.5039	SLU_calotta	Max	-914.793	281.473	-1.140E-13
9	0.	SLU_calotta	Min	-903.28	246.482	-1.140E-13
9	0.25195	SLU_calotta	Min	-909.036	263.978	-1.140E-13
9	0.5039	SLU_calotta	Min	-914.793	281.473	-1.140E-13
9	0.	SLV_calotta	Max	-1037.329	169.439	-3.981E-13
9	0.25195	SLV_calotta	Max	-1042.311	184.579	-3.981E-13
9	0.5039	SLV_calotta	Max	-1047.293	199.72	-3.981E-13
9	0.	SLV_calotta	Min	-1037.329	169.439	-3.981E-13
9	0.25195	SLV_calotta	Min	-1042.311	184.579	-3.981E-13
9	0.5039	SLV_calotta	Min	-1047.293	199.72	-3.981E-13
10	0.	SLE_dreno	Max	-664.258	279.244	-2.275E-13
10	0.25195	SLE_dreno	Max	-669.186	292.527	-2.275E-13
10	0.5039	SLE_dreno	Max	-674.114	305.811	-2.275E-13
10	0.	SLE_dreno	Min	-664.258	279.244	-2.275E-13
10	0.25195	SLE_dreno	Min	-669.186	292.527	-2.275E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
10	0.5039	SLE_dreno	Min	-674.114	305.811	-2.275E-13
10	0.	SLU_dreno	Max	-863.638	363.082	-4.550E-13
10	0.25195	SLU_dreno	Max	-870.045	380.351	-4.550E-13
10	0.5039	SLU_dreno	Max	-876.451	397.619	-4.550E-13
10	0.	SLU_dreno	Min	-863.638	363.082	-4.550E-13
10	0.25195	SLU_dreno	Min	-870.045	380.351	-4.550E-13
10	0.5039	SLU_dreno	Min	-876.451	397.619	-4.550E-13
10	0.	SLV_dreno	Max	-857.282	308.942	-2.852E-13
10	0.25195	SLV_dreno	Max	-862.826	323.885	-2.852E-13
10	0.5039	SLV_dreno	Max	-868.37	338.829	-2.852E-13
10	0.	SLV_dreno	Min	-857.282	308.942	-2.852E-13
10	0.25195	SLV_dreno	Min	-862.826	323.885	-2.852E-13
10	0.5039	SLV_dreno	Min	-868.37	338.829	-2.852E-13
10	0.	SLE_calotta	Max	-714.561	214.944	-1.138E-13
10	0.25195	SLE_calotta	Max	-719.489	228.227	-1.138E-13
10	0.5039	SLE_calotta	Max	-724.417	241.51	-1.138E-13
10	0.	SLE_calotta	Min	-714.561	214.944	-1.138E-13
10	0.25195	SLE_calotta	Min	-719.489	228.227	-1.138E-13
10	0.5039	SLE_calotta	Min	-724.417	241.51	-1.138E-13
10	0.	SLU_calotta	Max	-928.929	279.427	-1.425E-13
10	0.25195	SLU_calotta	Max	-935.336	296.695	-1.425E-13
10	0.5039	SLU_calotta	Max	-941.743	313.963	-1.425E-13
10	0.	SLU_calotta	Min	-928.929	279.427	-1.425E-13
10	0.25195	SLU_calotta	Min	-935.336	296.695	-1.425E-13
10	0.5039	SLU_calotta	Min	-941.743	313.963	-1.425E-13
10	0.	SLV_calotta	Max	-1059.201	187.869	-4.554E-13
10	0.25195	SLV_calotta	Max	-1064.745	202.813	-4.554E-13
10	0.5039	SLV_calotta	Max	-1070.29	217.756	-4.554E-13
10	0.	SLV_calotta	Min	-1059.201	187.869	-4.554E-13
10	0.25195	SLV_calotta	Min	-1064.745	202.813	-4.554E-13
10	0.5039	SLV_calotta	Min	-1070.29	217.756	-4.554E-13
11	0.	SLE_dreno	Max	-691.572	311.778	-2.275E-13
11	0.25195	SLE_dreno	Max	-696.994	324.868	-2.275E-13
11	0.5039	SLE_dreno	Max	-702.415	337.957	-2.275E-13
11	0.	SLE_dreno	Min	-691.572	311.778	-2.275E-13
11	0.25195	SLE_dreno	Min	-696.994	324.868	-2.275E-13
11	0.5039	SLE_dreno	Min	-702.415	337.957	-2.275E-13
11	0.	SLU_dreno	Max	-899.149	405.382	-3.331E-16
11	0.25195	SLU_dreno	Max	-906.197	422.399	-3.331E-16
11	0.5039	SLU_dreno	Max	-913.245	439.416	-3.331E-16
11	0.	SLU_dreno	Min	-899.149	405.382	-3.331E-16
11	0.25195	SLU_dreno	Min	-906.197	422.399	-3.331E-16
11	0.5039	SLU_dreno	Min	-913.245	439.416	-3.331E-16
11	0.	SLV_dreno	Max	-889.322	340.785	-2.850E-13
11	0.25195	SLV_dreno	Max	-895.421	355.511	-2.850E-13
11	0.5039	SLV_dreno	Max	-901.52	370.237	-2.850E-13
11	0.	SLV_dreno	Min	-889.322	340.785	-2.850E-13
11	0.25195	SLV_dreno	Min	-895.421	355.511	-2.850E-13
11	0.5039	SLV_dreno	Min	-901.52	370.237	-2.850E-13
11	0.	SLE_calotta	Max	-736.623	240.676	-1.138E-13
11	0.25195	SLE_calotta	Max	-742.044	253.766	-1.138E-13
11	0.5039	SLE_calotta	Max	-747.466	266.855	-1.138E-13
11	0.	SLE_calotta	Min	-736.623	240.676	-1.138E-13
11	0.25195	SLE_calotta	Min	-742.044	253.766	-1.138E-13
11	0.5039	SLE_calotta	Min	-747.466	266.855	-1.138E-13
11	0.	SLU_calotta	Max	-957.61	312.879	-1.283E-13
11	0.25195	SLU_calotta	Max	-964.658	329.896	-1.283E-13
11	0.5039	SLU_calotta	Max	-971.706	346.912	-1.283E-13
11	0.	SLU_calotta	Min	-957.61	312.879	-1.283E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
11	0.25195	SLU_calotta	Min	-964.658	329.896	-1.283E-13
11	0.5039	SLU_calotta	Min	-971.706	346.912	-1.283E-13
11	0.	SLV_calotta	Max	-1083.592	206.58	-4.550E-13
11	0.25195	SLV_calotta	Max	-1089.691	221.306	-4.550E-13
11	0.5039	SLV_calotta	Max	-1095.79	236.032	-4.550E-13
11	0.	SLV_calotta	Min	-1083.592	206.58	-4.550E-13
11	0.25195	SLV_calotta	Min	-1089.691	221.306	-4.550E-13
11	0.5039	SLV_calotta	Min	-1095.79	236.032	-4.550E-13
12	0.	SLE_dreno	Max	-722.004	344.597	-1.992E-13
12	0.25195	SLE_dreno	Max	-727.911	357.474	-1.992E-13
12	0.5039	SLE_dreno	Max	-733.818	370.352	-1.992E-13
12	0.	SLE_dreno	Min	-722.004	344.597	-1.992E-13
12	0.25195	SLE_dreno	Min	-727.911	357.474	-1.992E-13
12	0.5039	SLE_dreno	Min	-733.818	370.352	-1.992E-13
12	0.	SLU_dreno	Max	-938.714	448.052	-4.550E-13
12	0.25195	SLU_dreno	Max	-946.393	464.793	-4.550E-13
12	0.5039	SLU_dreno	Max	-954.072	481.534	-4.550E-13
12	0.	SLU_dreno	Min	-938.714	448.052	-4.550E-13
12	0.25195	SLU_dreno	Min	-946.393	464.793	-4.550E-13
12	0.5039	SLU_dreno	Min	-954.072	481.534	-4.550E-13
12	0.	SLV_dreno	Max	-924.935	372.721	-3.419E-13
12	0.25195	SLV_dreno	Max	-931.58	387.208	-3.419E-13
12	0.5039	SLV_dreno	Max	-938.226	401.696	-3.419E-13
12	0.	SLV_dreno	Min	-924.935	372.721	-3.419E-13
12	0.25195	SLV_dreno	Min	-931.58	387.208	-3.419E-13
12	0.5039	SLV_dreno	Min	-938.226	401.696	-3.419E-13
12	0.	SLE_calotta	Max	-761.034	266.811	-8.532E-14
12	0.25195	SLE_calotta	Max	-766.941	279.689	-8.532E-14
12	0.5039	SLE_calotta	Max	-772.848	292.567	-8.532E-14
12	0.	SLE_calotta	Min	-761.034	266.811	-8.532E-14
12	0.25195	SLE_calotta	Min	-766.941	279.689	-8.532E-14
12	0.5039	SLE_calotta	Min	-772.848	292.567	-8.532E-14
12	0.	SLU_calotta	Max	-989.344	346.854	-1.281E-13
12	0.25195	SLU_calotta	Max	-997.023	363.595	-1.281E-13
12	0.5039	SLU_calotta	Max	-1004.703	380.336	-1.281E-13
12	0.	SLU_calotta	Min	-989.344	346.854	-1.281E-13
12	0.25195	SLU_calotta	Min	-997.023	363.595	-1.281E-13
12	0.5039	SLU_calotta	Min	-1004.703	380.336	-1.281E-13
12	0.	SLV_calotta	Max	-1110.542	225.552	-4.554E-13
12	0.25195	SLV_calotta	Max	-1117.188	240.039	-4.554E-13
12	0.5039	SLV_calotta	Max	-1123.833	254.527	-4.554E-13
12	0.	SLV_calotta	Min	-1110.542	225.552	-4.554E-13
12	0.25195	SLV_calotta	Min	-1117.188	240.039	-4.554E-13
12	0.5039	SLV_calotta	Min	-1123.833	254.527	-4.554E-13
13	0.	SLE_dreno	Max	-755.616	377.638	-1.138E-13
13	0.25195	SLE_dreno	Max	-762.001	390.286	-1.138E-13
13	0.5039	SLE_dreno	Max	-768.385	402.934	-1.138E-13
13	0.	SLE_dreno	Min	-755.616	377.638	-1.138E-13
13	0.25195	SLE_dreno	Min	-762.001	390.286	-1.138E-13
13	0.5039	SLE_dreno	Min	-768.385	402.934	-1.138E-13
13	0.	SLU_dreno	Max	-982.412	491.011	-2.276E-13
13	0.25195	SLU_dreno	Max	-990.712	507.453	-2.276E-13
13	0.5039	SLU_dreno	Max	-999.012	523.896	-2.276E-13
13	0.	SLU_dreno	Min	-982.412	491.011	-2.276E-13
13	0.25195	SLU_dreno	Min	-990.712	507.453	-2.276E-13
13	0.5039	SLU_dreno	Min	-999.012	523.896	-2.276E-13
13	0.	SLV_dreno	Max	-964.2	404.643	-1.711E-13
13	0.25195	SLV_dreno	Max	-971.382	418.872	-1.711E-13
13	0.5039	SLV_dreno	Max	-978.565	433.101	-1.711E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
13	0.	SLV_dreno	Min	-964.2	404.643	-1.711E-13
13	0.25195	SLV_dreno	Min	-971.382	418.872	-1.711E-13
13	0.5039	SLV_dreno	Min	-978.565	433.101	-1.711E-13
13	0.	SLE_calotta	Max	-787.809	293.354	-5.690E-14
13	0.25195	SLE_calotta	Max	-794.193	306.002	-5.690E-14
13	0.5039	SLE_calotta	Max	-800.578	318.65	-5.690E-14
13	0.	SLE_calotta	Min	-787.809	293.354	-5.690E-14
13	0.25195	SLE_calotta	Min	-794.193	306.002	-5.690E-14
13	0.5039	SLE_calotta	Min	-800.578	318.65	-5.690E-14
13	0.	SLU_calotta	Max	-1024.151	381.36	-5.712E-14
13	0.25195	SLU_calotta	Max	-1032.451	397.802	-5.712E-14
13	0.5039	SLU_calotta	Max	-1040.751	414.244	-5.712E-14
13	0.	SLU_calotta	Min	-1024.151	381.36	-5.712E-14
13	0.25195	SLU_calotta	Min	-1032.451	397.802	-5.712E-14
13	0.5039	SLU_calotta	Min	-1040.751	414.244	-5.712E-14
13	0.	SLV_calotta	Max	-1140.088	244.75	-3.413E-13
13	0.25195	SLV_calotta	Max	-1147.27	258.979	-3.413E-13
13	0.5039	SLV_calotta	Max	-1154.453	273.208	-3.413E-13
13	0.	SLV_calotta	Min	-1140.088	244.75	-3.413E-13
13	0.25195	SLV_calotta	Min	-1147.27	258.979	-3.413E-13
13	0.5039	SLV_calotta	Min	-1154.453	273.208	-3.413E-13
14	0.	SLE_dreno	Max	-792.463	410.822	-1.423E-13
14	0.25195	SLE_dreno	Max	-799.316	423.223	-1.423E-13
14	0.5039	SLE_dreno	Max	-806.169	435.623	-1.423E-13
14	0.	SLE_dreno	Min	-792.463	410.822	-1.423E-13
14	0.25195	SLE_dreno	Min	-799.316	423.223	-1.423E-13
14	0.5039	SLE_dreno	Min	-806.169	435.623	-1.423E-13
14	0.	SLU_dreno	Max	-1030.317	534.155	-4.549E-13
14	0.25195	SLU_dreno	Max	-1039.225	550.276	-4.549E-13
14	0.5039	SLU_dreno	Max	-1048.134	566.396	-4.549E-13
14	0.	SLU_dreno	Min	-1030.317	534.155	-4.549E-13
14	0.25195	SLU_dreno	Min	-1039.225	550.276	-4.549E-13
14	0.5039	SLU_dreno	Min	-1048.134	566.396	-4.549E-13
14	0.	SLV_dreno	Max	-1007.185	436.421	-1.996E-13
14	0.25195	SLV_dreno	Max	-1014.895	450.371	-1.996E-13
14	0.5039	SLV_dreno	Max	-1022.604	464.322	-1.996E-13
14	0.	SLV_dreno	Min	-1007.185	436.421	-1.996E-13
14	0.25195	SLV_dreno	Min	-1014.895	450.371	-1.996E-13
14	0.5039	SLV_dreno	Min	-1022.604	464.322	-1.996E-13
14	0.	SLE_calotta	Max	-816.959	320.303	-7.114E-14
14	0.25195	SLE_calotta	Max	-823.812	332.704	-7.114E-14
14	0.5039	SLE_calotta	Max	-830.665	345.104	-7.114E-14
14	0.	SLE_calotta	Min	-816.959	320.303	-7.114E-14
14	0.25195	SLE_calotta	Min	-823.812	332.704	-7.114E-14
14	0.5039	SLE_calotta	Min	-830.665	345.104	-7.114E-14
14	0.	SLU_calotta	Max	-1062.047	416.394	-8.557E-14
14	0.25195	SLU_calotta	Max	-1070.956	432.515	-8.557E-14
14	0.5039	SLU_calotta	Max	-1079.864	448.635	-8.557E-14
14	0.	SLU_calotta	Min	-1062.047	416.394	-8.557E-14
14	0.25195	SLU_calotta	Min	-1070.956	432.515	-8.557E-14
14	0.5039	SLU_calotta	Min	-1079.864	448.635	-8.557E-14
14	0.	SLV_calotta	Max	-1172.257	264.127	-2.846E-13
14	0.25195	SLV_calotta	Max	-1179.966	278.077	-2.846E-13
14	0.5039	SLV_calotta	Max	-1187.676	292.027	-2.846E-13
14	0.	SLV_calotta	Min	-1172.257	264.127	-2.846E-13
14	0.25195	SLV_calotta	Min	-1179.966	278.077	-2.846E-13
14	0.5039	SLV_calotta	Min	-1187.676	292.027	-2.846E-13
15	0.	SLE_dreno	Max	-841.038	427.633	-1.138E-13
15	0.25538	SLE_dreno	Max	-848.692	439.784	-1.138E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
15	0.51075	SLE_dreno	Max	-856.346	451.935	-1.138E-13
15	0.	SLE_dreno	Min	-841.038	427.633	-1.138E-13
15	0.25538	SLE_dreno	Min	-848.692	439.784	-1.138E-13
15	0.51075	SLE_dreno	Min	-856.346	451.935	-1.138E-13
15	0.	SLU_dreno	Max	-1093.469	556.012	-4.549E-13
15	0.25538	SLU_dreno	Max	-1103.419	571.808	-4.549E-13
15	0.51075	SLU_dreno	Max	-1113.369	587.604	-4.549E-13
15	0.	SLU_dreno	Min	-1093.469	556.012	-4.549E-13
15	0.25538	SLU_dreno	Min	-1103.419	571.808	-4.549E-13
15	0.51075	SLU_dreno	Min	-1113.369	587.604	-4.549E-13
15	0.	SLV_dreno	Max	-1062.865	447.067	-1.710E-13
15	0.25538	SLV_dreno	Max	-1071.475	460.737	-1.710E-13
15	0.51075	SLV_dreno	Max	-1080.086	474.407	-1.710E-13
15	0.	SLV_dreno	Min	-1062.865	447.067	-1.710E-13
15	0.25538	SLV_dreno	Min	-1071.475	460.737	-1.710E-13
15	0.51075	SLV_dreno	Min	-1080.086	474.407	-1.710E-13
15	0.	SLE_calotta	Max	-854.983	330.952	-8.529E-14
15	0.25538	SLE_calotta	Max	-862.636	343.103	-8.529E-14
15	0.51075	SLE_calotta	Max	-870.29	355.254	-8.529E-14
15	0.	SLE_calotta	Min	-854.983	330.952	-8.529E-14
15	0.25538	SLE_calotta	Min	-862.636	343.103	-8.529E-14
15	0.51075	SLE_calotta	Min	-870.29	355.254	-8.529E-14
15	0.	SLU_calotta	Max	-1111.477	430.238	-8.551E-14
15	0.25538	SLU_calotta	Max	-1121.427	446.034	-8.551E-14
15	0.51075	SLU_calotta	Max	-1131.377	461.83	-8.551E-14
15	0.	SLU_calotta	Min	-1111.477	430.238	-8.551E-14
15	0.25538	SLU_calotta	Min	-1121.427	446.034	-8.551E-14
15	0.51075	SLU_calotta	Min	-1131.377	461.83	-8.551E-14
15	0.	SLV_calotta	Max	-1212.265	259.796	-2.846E-13
15	0.25538	SLV_calotta	Max	-1220.876	273.466	-2.846E-13
15	0.51075	SLV_calotta	Max	-1229.486	287.136	-2.846E-13
15	0.	SLV_calotta	Min	-1212.265	259.796	-2.846E-13
15	0.25538	SLV_calotta	Min	-1220.876	273.466	-2.846E-13
15	0.51075	SLV_calotta	Min	-1229.486	287.136	-2.846E-13
16	0.	SLE_dreno	Max	-885.714	459.167	-1.422E-13
16	0.25538	SLE_dreno	Max	-893.838	471.009	-1.422E-13
16	0.51075	SLE_dreno	Max	-901.961	482.851	-1.422E-13
16	0.	SLE_dreno	Min	-885.714	459.167	-1.422E-13
16	0.25538	SLE_dreno	Min	-893.838	471.009	-1.422E-13
16	0.51075	SLE_dreno	Min	-901.961	482.851	-1.422E-13
16	0.	SLU_dreno	Max	-1151.551	597.009	2.272E-13
16	0.25538	SLU_dreno	Max	-1162.112	612.404	2.272E-13
16	0.51075	SLU_dreno	Max	-1172.673	627.799	2.272E-13
16	0.	SLU_dreno	Min	-1151.551	597.009	2.272E-13
16	0.25538	SLU_dreno	Min	-1162.112	612.404	2.272E-13
16	0.51075	SLU_dreno	Min	-1172.673	627.799	2.272E-13
16	0.	SLV_dreno	Max	-1114.777	475.901	-1.712E-13
16	0.25538	SLV_dreno	Max	-1123.916	489.223	-1.712E-13
16	0.51075	SLV_dreno	Max	-1133.055	502.546	-1.712E-13
16	0.	SLV_dreno	Min	-1114.777	475.901	-1.712E-13
16	0.25538	SLV_dreno	Min	-1123.916	489.223	-1.712E-13
16	0.51075	SLV_dreno	Min	-1133.055	502.546	-1.712E-13
16	0.	SLE_calotta	Max	-889.748	357.292	-7.114E-14
16	0.25538	SLE_calotta	Max	-897.871	369.134	-7.114E-14
16	0.51075	SLE_calotta	Max	-905.995	380.976	-7.114E-14
16	0.	SLE_calotta	Min	-889.748	357.292	-7.114E-14
16	0.25538	SLE_calotta	Min	-897.871	369.134	-7.114E-14
16	0.51075	SLE_calotta	Min	-905.995	380.976	-7.114E-14
16	0.	SLU_calotta	Max	-1156.672	464.479	-8.551E-14



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
16	0.25538	SLU_calotta	Max	-1167.233	479.874	-8.551E-14
16	0.51075	SLU_calotta	Max	-1177.794	495.269	-8.551E-14
16	0.	SLU_calotta	Min	-1156.672	464.479	-8.551E-14
16	0.25538	SLU_calotta	Min	-1167.233	479.874	-8.551E-14
16	0.51075	SLU_calotta	Min	-1177.794	495.269	-8.551E-14
16	0.	SLV_calotta	Max	-1250.411	277.228	-2.847E-13
16	0.25538	SLV_calotta	Max	-1259.55	290.551	-2.847E-13
16	0.51075	SLV_calotta	Max	-1268.689	303.873	-2.847E-13
16	0.	SLV_calotta	Min	-1250.411	277.228	-2.847E-13
16	0.25538	SLV_calotta	Min	-1259.55	290.551	-2.847E-13
16	0.51075	SLV_calotta	Min	-1268.689	303.873	-2.847E-13
17	0.	SLE_dreno	Max	-933.796	490.379	-1.422E-13
17	0.25538	SLE_dreno	Max	-943.178	502.969	-1.422E-13
17	0.51075	SLE_dreno	Max	-952.559	515.559	-1.422E-13
17	0.	SLE_dreno	Min	-933.796	490.379	-1.422E-13
17	0.25538	SLE_dreno	Min	-943.178	502.969	-1.422E-13
17	0.51075	SLE_dreno	Min	-952.559	515.559	-1.422E-13
17	0.	SLU_dreno	Max	-1214.061	637.588	-4.549E-13
17	0.25538	SLU_dreno	Max	-1226.258	653.955	-4.549E-13
17	0.51075	SLU_dreno	Max	-1238.454	670.322	-4.549E-13
17	0.	SLU_dreno	Min	-1214.061	637.588	-4.549E-13
17	0.25538	SLU_dreno	Min	-1226.258	653.955	-4.549E-13
17	0.51075	SLU_dreno	Min	-1238.454	670.322	-4.549E-13
17	0.	SLV_dreno	Max	-1170.589	503.886	-1.993E-13
17	0.25538	SLV_dreno	Max	-1181.143	518.05	-1.993E-13
17	0.51075	SLV_dreno	Max	-1191.698	532.214	-1.993E-13
17	0.	SLV_dreno	Min	-1170.589	503.886	-1.993E-13
17	0.25538	SLV_dreno	Min	-1181.143	518.05	-1.993E-13
17	0.51075	SLV_dreno	Min	-1191.698	532.214	-1.993E-13
17	0.	SLE_calotta	Max	-926.946	383.96	-4.979E-14
17	0.25538	SLE_calotta	Max	-936.327	396.55	-4.979E-14
17	0.51075	SLE_calotta	Max	-945.709	409.14	-4.979E-14
17	0.	SLE_calotta	Min	-926.946	383.96	-4.979E-14
17	0.25538	SLE_calotta	Min	-936.327	396.55	-4.979E-14
17	0.51075	SLE_calotta	Min	-945.709	409.14	-4.979E-14
17	0.	SLU_calotta	Max	-1205.029	499.148	-5.709E-14
17	0.25538	SLU_calotta	Max	-1217.226	515.515	-5.709E-14
17	0.51075	SLU_calotta	Max	-1229.422	531.882	-5.709E-14
17	0.	SLU_calotta	Min	-1205.029	499.148	-5.709E-14
17	0.25538	SLU_calotta	Min	-1217.226	515.515	-5.709E-14
17	0.51075	SLU_calotta	Min	-1229.422	531.882	-5.709E-14
17	0.	SLV_calotta	Max	-1291.241	294.545	-2.846E-13
17	0.25538	SLV_calotta	Max	-1301.795	308.709	-2.846E-13
17	0.51075	SLV_calotta	Max	-1312.35	322.872	-2.846E-13
17	0.	SLV_calotta	Min	-1291.241	294.545	-2.846E-13
17	0.25538	SLV_calotta	Min	-1301.795	308.709	-2.846E-13
17	0.51075	SLV_calotta	Min	-1312.35	322.872	-2.846E-13
18	0.	SLE_dreno	Max	-986.948	523.186	-1.138E-13
18	0.25538	SLE_dreno	Max	-997.296	535.995	-1.138E-13
18	0.51075	SLE_dreno	Max	-1007.645	548.804	-1.138E-13
18	0.	SLE_dreno	Min	-986.948	523.186	-1.138E-13
18	0.25538	SLE_dreno	Min	-997.296	535.995	-1.138E-13
18	0.51075	SLE_dreno	Min	-1007.645	548.804	-1.138E-13
18	0.	SLU_dreno	Max	-1283.162	680.24	-1.665E-16
18	0.25538	SLU_dreno	Max	-1296.615	696.892	-1.665E-16
18	0.51075	SLU_dreno	Max	-1310.068	713.544	-1.665E-16
18	0.	SLU_dreno	Min	-1283.162	680.24	-1.665E-16
18	0.25538	SLU_dreno	Min	-1296.615	696.892	-1.665E-16
18	0.51075	SLU_dreno	Min	-1310.068	713.544	-1.665E-16

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
18	0.	SLV_dreno	Max	-1232.158	533.121	-1.424E-13
18	0.25538	SLV_dreno	Max	-1243.8	547.531	-1.424E-13
18	0.51075	SLV_dreno	Max	-1255.442	561.941	-1.424E-13
18	0.	SLV_dreno	Min	-1232.158	533.121	-1.424E-13
18	0.25538	SLV_dreno	Min	-1243.8	547.531	-1.424E-13
18	0.51075	SLV_dreno	Min	-1255.442	561.941	-1.424E-13
18	0.	SLE_calotta	Max	-968.243	413.009	-5.687E-14
18	0.25538	SLE_calotta	Max	-978.592	425.818	-5.687E-14
18	0.51075	SLE_calotta	Max	-988.94	438.627	-5.687E-14
18	0.	SLE_calotta	Min	-968.243	413.009	-5.687E-14
18	0.25538	SLE_calotta	Min	-978.592	425.818	-5.687E-14
18	0.51075	SLE_calotta	Min	-988.94	438.627	-5.687E-14
18	0.	SLU_calotta	Max	-1258.716	536.911	-7.123E-14
18	0.25538	SLU_calotta	Max	-1272.169	553.563	-7.123E-14
18	0.51075	SLU_calotta	Max	-1285.622	570.215	-7.123E-14
18	0.	SLU_calotta	Min	-1258.716	536.911	-7.123E-14
18	0.25538	SLU_calotta	Min	-1272.169	553.563	-7.123E-14
18	0.51075	SLU_calotta	Min	-1285.622	570.215	-7.123E-14
18	0.	SLV_calotta	Max	-1336.622	313.983	-2.276E-13
18	0.25538	SLV_calotta	Max	-1348.264	328.394	-2.276E-13
18	0.51075	SLV_calotta	Max	-1359.906	342.804	-2.276E-13
18	0.	SLV_calotta	Min	-1336.622	313.983	-2.276E-13
18	0.25538	SLV_calotta	Min	-1348.264	328.394	-2.276E-13
18	0.51075	SLV_calotta	Min	-1359.906	342.804	-2.276E-13
19	0.	SLE_dreno	Max	-1044.607	556.339	-5.695E-14
19	0.25538	SLE_dreno	Max	-1056.037	569.406	-5.695E-14
19	0.51075	SLE_dreno	Max	-1067.468	582.473	-5.695E-14
19	0.	SLE_dreno	Min	-1044.607	556.339	-5.695E-14
19	0.25538	SLE_dreno	Min	-1056.037	569.406	-5.695E-14
19	0.51075	SLE_dreno	Min	-1067.468	582.473	-5.695E-14
19	0.	SLU_dreno	Max	-1358.124	723.342	-2.275E-13
19	0.25538	SLU_dreno	Max	-1372.983	740.329	-2.275E-13
19	0.51075	SLU_dreno	Max	-1387.842	757.316	-2.275E-13
19	0.	SLU_dreno	Min	-1358.124	723.342	-2.275E-13
19	0.25538	SLU_dreno	Min	-1372.983	740.329	-2.275E-13
19	0.51075	SLU_dreno	Min	-1387.842	757.316	-2.275E-13
19	0.	SLV_dreno	Max	-1298.83	562.14	-1.141E-13
19	0.25538	SLV_dreno	Max	-1311.689	576.84	-1.141E-13
19	0.51075	SLV_dreno	Max	-1324.548	591.54	-1.141E-13
19	0.	SLV_dreno	Min	-1298.83	562.14	-1.141E-13
19	0.25538	SLV_dreno	Min	-1311.689	576.84	-1.141E-13
19	0.51075	SLV_dreno	Min	-1324.548	591.54	-1.141E-13
19	0.	SLE_calotta	Max	-1013.098	443.332	-4.266E-14
19	0.25538	SLE_calotta	Max	-1024.529	456.399	-4.266E-14
19	0.51075	SLE_calotta	Max	-1035.959	469.465	-4.266E-14
19	0.	SLE_calotta	Min	-1013.098	443.332	-4.266E-14
19	0.25538	SLE_calotta	Min	-1024.529	456.399	-4.266E-14
19	0.51075	SLE_calotta	Min	-1035.959	469.465	-4.266E-14
19	0.	SLU_calotta	Max	-1317.028	576.331	-5.701E-14
19	0.25538	SLU_calotta	Max	-1331.887	593.318	-5.701E-14
19	0.51075	SLU_calotta	Max	-1346.746	610.305	-5.701E-14
19	0.	SLU_calotta	Min	-1317.028	576.331	-5.701E-14
19	0.25538	SLU_calotta	Min	-1331.887	593.318	-5.701E-14
19	0.51075	SLU_calotta	Min	-1346.746	610.305	-5.701E-14
19	0.	SLV_calotta	Max	-1385.926	334.226	-2.275E-13
19	0.25538	SLV_calotta	Max	-1398.785	348.926	-2.275E-13
19	0.51075	SLV_calotta	Max	-1411.644	363.626	-2.275E-13
19	0.	SLV_calotta	Min	-1385.926	334.226	-2.275E-13
19	0.25538	SLV_calotta	Min	-1398.785	348.926	-2.275E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
19	0.51075	SLV_calotta	Min	-1411.644	363.626	-2.275E-13
20	0.	SLE_dreno	Max	-1107.002	589.703	-5.690E-14
20	0.25538	SLE_dreno	Max	-1119.725	603.147	-5.690E-14
20	0.51075	SLE_dreno	Max	-1132.447	616.591	-5.690E-14
20	0.	SLE_dreno	Min	-1107.002	589.703	-5.690E-14
20	0.25538	SLE_dreno	Min	-1119.725	603.147	-5.690E-14
20	0.51075	SLE_dreno	Min	-1132.447	616.591	-5.690E-14
20	0.	SLU_dreno	Max	-1439.241	766.717	0.
20	0.25538	SLU_dreno	Max	-1455.78	784.194	0.
20	0.51075	SLU_dreno	Max	-1472.319	801.671	0.
20	0.	SLU_dreno	Min	-1439.241	766.717	0.
20	0.25538	SLU_dreno	Min	-1455.78	784.194	0.
20	0.51075	SLU_dreno	Min	-1472.319	801.671	0.
20	0.	SLV_dreno	Max	-1370.832	590.73	-1.140E-13
20	0.25538	SLV_dreno	Max	-1385.145	605.854	-1.140E-13
20	0.51075	SLV_dreno	Max	-1399.458	620.978	-1.140E-13
20	0.	SLV_dreno	Min	-1370.832	590.73	-1.140E-13
20	0.25538	SLV_dreno	Min	-1385.145	605.854	-1.140E-13
20	0.51075	SLV_dreno	Min	-1399.458	620.978	-1.140E-13
20	0.	SLE_calotta	Max	-1061.778	474.942	-3.557E-14
20	0.25538	SLE_calotta	Max	-1074.5	488.386	-3.557E-14
20	0.51075	SLE_calotta	Max	-1087.223	501.83	-3.557E-14
20	0.	SLE_calotta	Min	-1061.778	474.942	-3.557E-14
20	0.25538	SLE_calotta	Min	-1074.5	488.386	-3.557E-14
20	0.51075	SLE_calotta	Min	-1087.223	501.83	-3.557E-14
20	0.	SLU_calotta	Max	-1380.311	617.425	-2.855E-14
20	0.25538	SLU_calotta	Max	-1396.85	634.902	-2.855E-14
20	0.51075	SLU_calotta	Max	-1413.389	652.379	-2.855E-14
20	0.	SLU_calotta	Min	-1380.311	617.425	-2.855E-14
20	0.25538	SLU_calotta	Min	-1396.85	634.902	-2.855E-14
20	0.51075	SLU_calotta	Min	-1413.389	652.379	-2.855E-14
20	0.	SLV_calotta	Max	-1439.424	355.21	-1.706E-13
20	0.25538	SLV_calotta	Max	-1453.737	370.334	-1.706E-13
20	0.51075	SLV_calotta	Max	-1468.05	385.458	-1.706E-13
20	0.	SLV_calotta	Min	-1439.424	355.21	-1.706E-13
20	0.25538	SLV_calotta	Min	-1453.737	370.334	-1.706E-13
20	0.51075	SLV_calotta	Min	-1468.05	385.458	-1.706E-13
21	0.	SLE_dreno	Max	-1310.751	-73.873	-4.260E-14
21	0.24992	SLE_dreno	Max	-1329.725	-69.428	-4.260E-14
21	0.49985	SLE_dreno	Max	-1348.7	-64.983	-4.260E-14
21	0.	SLE_dreno	Min	-1310.751	-73.873	-4.260E-14
21	0.24992	SLE_dreno	Min	-1329.725	-69.428	-4.260E-14
21	0.49985	SLE_dreno	Min	-1348.7	-64.983	-4.260E-14
21	0.	SLU_dreno	Max	-1704.15	-96.02	2.273E-13
21	0.24992	SLU_dreno	Max	-1728.817	-90.242	2.273E-13
21	0.49985	SLU_dreno	Max	-1753.484	-84.463	2.273E-13
21	0.	SLU_dreno	Min	-1704.15	-96.02	2.273E-13
21	0.24992	SLU_dreno	Min	-1728.817	-90.242	2.273E-13
21	0.49985	SLU_dreno	Min	-1753.484	-84.463	2.273E-13
21	0.	SLV_dreno	Max	-1541.14	-211.088	5.690E-14
21	0.24992	SLV_dreno	Max	-1562.486	-206.088	5.690E-14
21	0.49985	SLV_dreno	Max	-1583.833	-201.087	5.690E-14
21	0.	SLV_dreno	Min	-1541.14	-211.088	5.690E-14
21	0.24992	SLV_dreno	Min	-1562.486	-206.088	5.690E-14
21	0.49985	SLV_dreno	Min	-1583.833	-201.087	5.690E-14
21	0.	SLE_calotta	Max	-1202.594	-140.048	-7.119E-15
21	0.24992	SLE_calotta	Max	-1221.568	-135.603	-7.119E-15
21	0.49985	SLE_calotta	Max	-1240.543	-131.158	-7.119E-15
21	0.	SLE_calotta	Min	-1202.594	-140.048	-7.119E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
21	0.24992	SLE_calotta	Min	-1221.568	-135.603	-7.119E-15
21	0.49985	SLE_calotta	Min	-1240.543	-131.158	-7.119E-15
21	0.	SLU_calotta	Max	-1563.372	-182.063	-1.422E-14
21	0.24992	SLU_calotta	Max	-1588.039	-176.284	-1.422E-14
21	0.49985	SLU_calotta	Max	-1612.706	-170.506	-1.422E-14
21	0.	SLU_calotta	Min	-1563.372	-182.063	-1.422E-14
21	0.24992	SLU_calotta	Min	-1588.039	-176.284	-1.422E-14
21	0.49985	SLU_calotta	Min	-1612.706	-170.506	-1.422E-14
21	0.	SLV_calotta	Max	-1461.042	-440.509	-1.110E-16
21	0.24992	SLV_calotta	Max	-1482.389	-435.508	-1.110E-16
21	0.49985	SLV_calotta	Max	-1503.735	-430.508	-1.110E-16
21	0.	SLV_calotta	Min	-1461.042	-440.509	-1.110E-16
21	0.24992	SLV_calotta	Min	-1482.389	-435.508	-1.110E-16
21	0.49985	SLV_calotta	Min	-1503.735	-430.508	-1.110E-16
22	0.	SLE_dreno	Max	-1355.421	-56.853	2.850E-14
22	0.24992	SLE_dreno	Max	-1373.878	-52.954	2.850E-14
22	0.49985	SLE_dreno	Max	-1392.334	-49.055	2.850E-14
22	0.	SLE_dreno	Min	-1355.421	-56.853	2.850E-14
22	0.24992	SLE_dreno	Min	-1373.878	-52.954	2.850E-14
22	0.49985	SLE_dreno	Min	-1392.334	-49.055	2.850E-14
22	0.	SLU_dreno	Max	-1762.222	-73.894	-2.273E-13
22	0.24992	SLU_dreno	Max	-1786.216	-68.825	-2.273E-13
22	0.49985	SLU_dreno	Max	-1810.209	-63.757	-2.273E-13
22	0.	SLU_dreno	Min	-1762.222	-73.894	-2.273E-13
22	0.24992	SLU_dreno	Min	-1786.216	-68.825	-2.273E-13
22	0.49985	SLU_dreno	Min	-1810.209	-63.757	-2.273E-13
22	0.	SLV_dreno	Max	-1590.852	-182.999	5.712E-14
22	0.24992	SLV_dreno	Max	-1611.615	-178.613	5.712E-14
22	0.49985	SLV_dreno	Max	-1632.379	-174.227	5.712E-14
22	0.	SLV_dreno	Min	-1590.852	-182.999	5.712E-14
22	0.24992	SLV_dreno	Min	-1611.615	-178.613	5.712E-14
22	0.49985	SLV_dreno	Min	-1632.379	-174.227	5.712E-14
22	0.	SLE_calotta	Max	-1241.301	-113.15	7.105E-15
22	0.24992	SLE_calotta	Max	-1259.757	-109.251	7.105E-15
22	0.49985	SLE_calotta	Max	-1278.214	-105.352	7.105E-15
22	0.	SLE_calotta	Min	-1241.301	-113.15	7.105E-15
22	0.24992	SLE_calotta	Min	-1259.757	-109.251	7.105E-15
22	0.49985	SLE_calotta	Min	-1278.214	-105.352	7.105E-15
22	0.	SLU_calotta	Max	-1613.691	-147.095	2.850E-14
22	0.24992	SLU_calotta	Max	-1637.684	-142.026	2.850E-14
22	0.49985	SLU_calotta	Max	-1661.678	-136.957	2.850E-14
22	0.	SLU_calotta	Min	-1613.691	-147.095	2.850E-14
22	0.24992	SLU_calotta	Min	-1637.684	-142.026	2.850E-14
22	0.49985	SLU_calotta	Min	-1661.678	-136.957	2.850E-14
22	0.	SLV_calotta	Max	-1501.156	-401.279	1.139E-13
22	0.24992	SLV_calotta	Max	-1521.919	-396.893	1.139E-13
22	0.49985	SLV_calotta	Max	-1542.683	-392.507	1.139E-13
22	0.	SLV_calotta	Min	-1501.156	-401.279	1.139E-13
22	0.24992	SLV_calotta	Min	-1521.919	-396.893	1.139E-13
22	0.49985	SLV_calotta	Min	-1542.683	-392.507	1.139E-13
23	0.	SLE_dreno	Max	-1399.267	-39.126	4.263E-14
23	0.24992	SLE_dreno	Max	-1416.086	-35.956	4.263E-14
23	0.49985	SLE_dreno	Max	-1432.905	-32.786	4.263E-14
23	0.	SLE_dreno	Min	-1399.267	-39.126	4.263E-14
23	0.24992	SLE_dreno	Min	-1416.086	-35.956	4.263E-14
23	0.49985	SLE_dreno	Min	-1432.905	-32.786	4.263E-14
23	0.	SLU_dreno	Max	-1819.222	-50.85	1.110E-16
23	0.24992	SLU_dreno	Max	-1841.087	-46.729	1.110E-16
23	0.49985	SLU_dreno	Max	-1862.951	-42.609	1.110E-16

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
23	0.	SLU_dreno	Min	-1819.222	-50.85	1.110E-16
23	0.24992	SLU_dreno	Min	-1841.087	-46.729	1.110E-16
23	0.49985	SLU_dreno	Min	-1862.951	-42.609	1.110E-16
23	0.	SLV_dreno	Max	-1639.804	-152.792	8.538E-14
23	0.24992	SLV_dreno	Max	-1658.725	-149.226	8.538E-14
23	0.49985	SLV_dreno	Max	-1677.646	-145.66	8.538E-14
23	0.	SLV_dreno	Min	-1639.804	-152.792	8.538E-14
23	0.24992	SLV_dreno	Min	-1658.725	-149.226	8.538E-14
23	0.49985	SLV_dreno	Min	-1677.646	-145.66	8.538E-14
23	0.	SLE_calotta	Max	-1279.447	-84.31	7.119E-15
23	0.24992	SLE_calotta	Max	-1296.266	-81.14	7.119E-15
23	0.49985	SLE_calotta	Max	-1313.085	-77.971	7.119E-15
23	0.	SLE_calotta	Min	-1279.447	-84.31	7.119E-15
23	0.24992	SLE_calotta	Min	-1296.266	-81.14	7.119E-15
23	0.49985	SLE_calotta	Min	-1313.085	-77.971	7.119E-15
23	0.	SLU_calotta	Max	-1663.281	-109.603	1.425E-14
23	0.24992	SLU_calotta	Max	-1685.146	-105.482	1.425E-14
23	0.49985	SLU_calotta	Max	-1707.01	-101.362	1.425E-14
23	0.	SLU_calotta	Min	-1663.281	-109.603	1.425E-14
23	0.24992	SLU_calotta	Min	-1685.146	-105.482	1.425E-14
23	0.49985	SLU_calotta	Min	-1707.01	-101.362	1.425E-14
23	0.	SLV_calotta	Max	-1540.821	-357.794	1.137E-13
23	0.24992	SLV_calotta	Max	-1559.742	-354.228	1.137E-13
23	0.49985	SLV_calotta	Max	-1578.663	-350.662	1.137E-13
23	0.	SLV_calotta	Min	-1540.821	-357.794	1.137E-13
23	0.24992	SLV_calotta	Min	-1559.742	-354.228	1.137E-13
23	0.49985	SLV_calotta	Min	-1578.663	-350.662	1.137E-13
24	0.	SLE_dreno	Max	-1439.917	-20.993	2.845E-14
24	0.24992	SLE_dreno	Max	-1455.261	-18.449	2.845E-14
24	0.49985	SLE_dreno	Max	-1470.604	-15.904	2.845E-14
24	0.	SLE_dreno	Min	-1439.917	-20.993	2.845E-14
24	0.24992	SLE_dreno	Min	-1455.261	-18.449	2.845E-14
24	0.49985	SLE_dreno	Min	-1470.604	-15.904	2.845E-14
24	0.	SLU_dreno	Max	-1872.067	-27.279	2.274E-13
24	0.24992	SLU_dreno	Max	-1892.014	-23.971	2.274E-13
24	0.49985	SLU_dreno	Max	-1911.961	-20.663	2.274E-13
24	0.	SLU_dreno	Min	-1872.067	-27.279	2.274E-13
24	0.24992	SLU_dreno	Min	-1892.014	-23.971	2.274E-13
24	0.49985	SLU_dreno	Min	-1911.961	-20.663	2.274E-13
24	0.	SLV_dreno	Max	-1685.319	-120.835	1.139E-13
24	0.24992	SLV_dreno	Max	-1702.58	-117.972	1.139E-13
24	0.49985	SLV_dreno	Max	-1719.842	-115.109	1.139E-13
24	0.	SLV_dreno	Min	-1685.319	-120.835	1.139E-13
24	0.24992	SLV_dreno	Min	-1702.58	-117.972	1.139E-13
24	0.49985	SLV_dreno	Min	-1719.842	-115.109	1.139E-13
24	0.	SLE_calotta	Max	-1314.781	-53.819	2.132E-14
24	0.24992	SLE_calotta	Max	-1330.124	-51.274	2.132E-14
24	0.49985	SLE_calotta	Max	-1345.468	-48.73	2.132E-14
24	0.	SLE_calotta	Min	-1314.781	-53.819	2.132E-14
24	0.24992	SLE_calotta	Min	-1330.124	-51.274	2.132E-14
24	0.49985	SLE_calotta	Min	-1345.468	-48.73	2.132E-14
24	0.	SLU_calotta	Max	-1709.215	-69.965	2.136E-14
24	0.24992	SLU_calotta	Max	-1729.162	-66.657	2.136E-14
24	0.49985	SLU_calotta	Max	-1749.108	-63.348	2.136E-14
24	0.	SLU_calotta	Min	-1709.215	-69.965	2.136E-14
24	0.24992	SLU_calotta	Min	-1729.162	-66.657	2.136E-14
24	0.49985	SLU_calotta	Min	-1749.108	-63.348	2.136E-14
24	0.	SLV_calotta	Max	-1577.5	-310.414	1.139E-13
24	0.24992	SLV_calotta	Max	-1594.761	-307.551	1.139E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
24	0.49985	SLV_calotta	Max	-1612.023	-304.688	1.139E-13
24	0.	SLV_calotta	Min	-1577.5	-310.414	1.139E-13
24	0.24992	SLV_calotta	Min	-1594.761	-307.551	1.139E-13
24	0.49985	SLV_calotta	Min	-1612.023	-304.688	1.139E-13
25	0.	SLE_dreno	Max	-1477.567	-2.178	9.953E-14
25	0.24992	SLE_dreno	Max	-1491.664	-0.156	9.953E-14
25	0.49985	SLE_dreno	Max	-1505.761	1.866	9.953E-14
25	0.	SLE_dreno	Min	-1477.567	-2.178	9.953E-14
25	0.24992	SLE_dreno	Min	-1491.664	-0.156	9.953E-14
25	0.49985	SLE_dreno	Min	-1505.761	1.866	9.953E-14
25	0.	SLU_dreno	Max	-1921.012	-2.821	1.110E-16
25	0.24992	SLU_dreno	Max	-1939.339	-0.193	1.110E-16
25	0.49985	SLU_dreno	Max	-1957.665	2.436	1.110E-16
25	0.	SLU_dreno	Min	-1921.012	-2.821	1.110E-16
25	0.24992	SLU_dreno	Min	-1939.339	-0.193	1.110E-16
25	0.49985	SLU_dreno	Min	-1957.665	2.436	1.110E-16
25	0.	SLV_dreno	Max	-1727.607	-86.848	1.425E-13
25	0.24992	SLV_dreno	Max	-1743.466	-84.574	1.425E-13
25	0.49985	SLV_dreno	Max	-1759.326	-82.299	1.425E-13
25	0.	SLV_dreno	Min	-1727.607	-86.848	1.425E-13
25	0.24992	SLV_dreno	Min	-1743.466	-84.574	1.425E-13
25	0.49985	SLV_dreno	Min	-1759.326	-82.299	1.425E-13
25	0.	SLE_calotta	Max	-1347.619	-21.398	3.557E-14
25	0.24992	SLE_calotta	Max	-1361.716	-19.376	3.557E-14
25	0.49985	SLE_calotta	Max	-1375.813	-17.354	3.557E-14
25	0.	SLE_calotta	Min	-1347.619	-21.398	3.557E-14
25	0.24992	SLE_calotta	Min	-1361.716	-19.376	3.557E-14
25	0.49985	SLE_calotta	Min	-1375.813	-17.354	3.557E-14
25	0.	SLU_calotta	Max	-1751.904	-27.817	4.281E-14
25	0.24992	SLU_calotta	Max	-1770.231	-25.189	4.281E-14
25	0.49985	SLU_calotta	Max	-1788.557	-22.56	4.281E-14
25	0.	SLU_calotta	Min	-1751.904	-27.817	4.281E-14
25	0.24992	SLU_calotta	Min	-1770.231	-25.189	4.281E-14
25	0.49985	SLU_calotta	Min	-1788.557	-22.56	4.281E-14
25	0.	SLV_calotta	Max	-1611.542	-258.854	2.275E-13
25	0.24992	SLV_calotta	Max	-1627.402	-256.579	2.275E-13
25	0.49985	SLV_calotta	Max	-1643.261	-254.304	2.275E-13
25	0.	SLV_calotta	Min	-1611.542	-258.854	2.275E-13
25	0.24992	SLV_calotta	Min	-1627.402	-256.579	2.275E-13
25	0.49985	SLV_calotta	Min	-1643.261	-254.304	2.275E-13
26	0.	SLE_dreno	Max	-1512.552	17.594	9.961E-14
26	0.24992	SLE_dreno	Max	-1525.512	19.163	9.961E-14
26	0.49985	SLE_dreno	Max	-1538.472	20.733	9.961E-14
26	0.	SLE_dreno	Min	-1512.552	17.594	9.961E-14
26	0.24992	SLE_dreno	Min	-1525.512	19.163	9.961E-14
26	0.49985	SLE_dreno	Min	-1538.472	20.733	9.961E-14
26	0.	SLU_dreno	Max	-1966.493	22.88	3.412E-13
26	0.24992	SLU_dreno	Max	-1983.341	24.92	3.412E-13
26	0.49985	SLU_dreno	Max	-2000.189	26.961	3.412E-13
26	0.	SLU_dreno	Min	-1966.493	22.88	3.412E-13
26	0.24992	SLU_dreno	Min	-1983.341	24.92	3.412E-13
26	0.49985	SLU_dreno	Min	-2000.189	26.961	3.412E-13
26	0.	SLV_dreno	Max	-1767.034	-50.555	1.567E-13
26	0.24992	SLV_dreno	Max	-1781.614	-48.789	1.567E-13
26	0.49985	SLV_dreno	Max	-1796.194	-47.024	1.567E-13
26	0.	SLV_dreno	Min	-1767.034	-50.555	1.567E-13
26	0.24992	SLV_dreno	Min	-1781.614	-48.789	1.567E-13
26	0.49985	SLV_dreno	Min	-1796.194	-47.024	1.567E-13
26	0.	SLE_calotta	Max	-1378.419	13.221	4.978E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
26	0.24992	SLE_calotta	Max	-1391.379	14.791	4.978E-14
26	0.49985	SLE_calotta	Max	-1404.339	16.36	4.978E-14
26	0.	SLE_calotta	Min	-1378.419	13.221	4.978E-14
26	0.24992	SLE_calotta	Min	-1391.379	14.791	4.978E-14
26	0.49985	SLE_calotta	Min	-1404.339	16.36	4.978E-14
26	0.	SLU_calotta	Max	-1791.944	17.187	7.125E-14
26	0.24992	SLU_calotta	Max	-1808.792	19.228	7.125E-14
26	0.49985	SLU_calotta	Max	-1825.64	21.268	7.125E-14
26	0.	SLU_calotta	Min	-1791.944	17.187	7.125E-14
26	0.24992	SLU_calotta	Min	-1808.792	19.228	7.125E-14
26	0.49985	SLU_calotta	Min	-1825.64	21.268	7.125E-14
26	0.	SLV_calotta	Max	-1643.455	-202.844	1.992E-13
26	0.24992	SLV_calotta	Max	-1658.035	-201.079	1.992E-13
26	0.49985	SLV_calotta	Max	-1672.615	-199.313	1.992E-13
26	0.	SLV_calotta	Min	-1643.455	-202.844	1.992E-13
26	0.24992	SLV_calotta	Min	-1658.035	-201.079	1.992E-13
26	0.49985	SLV_calotta	Min	-1672.615	-199.313	1.992E-13
27	0.	SLE_dreno	Max	-1544.968	38.537	1.138E-13
27	0.24992	SLE_dreno	Max	-1556.965	39.724	1.138E-13
27	0.49985	SLE_dreno	Max	-1568.962	40.911	1.138E-13
27	0.	SLE_dreno	Min	-1544.968	38.537	1.138E-13
27	0.24992	SLE_dreno	Min	-1556.965	39.724	1.138E-13
27	0.49985	SLE_dreno	Min	-1568.962	40.911	1.138E-13
27	0.	SLU_dreno	Max	-2008.634	50.103	2.275E-13
27	0.24992	SLU_dreno	Max	-2024.23	51.646	2.275E-13
27	0.49985	SLU_dreno	Max	-2039.826	53.189	2.275E-13
27	0.	SLU_dreno	Min	-2008.634	50.103	2.275E-13
27	0.24992	SLU_dreno	Min	-2024.23	51.646	2.275E-13
27	0.49985	SLU_dreno	Min	-2039.826	53.189	2.275E-13
27	0.	SLV_dreno	Max	-1803.695	-11.747	1.995E-13
27	0.24992	SLV_dreno	Max	-1817.191	-10.412	1.995E-13
27	0.49985	SLV_dreno	Max	-1830.688	-9.076	1.995E-13
27	0.	SLV_dreno	Min	-1803.695	-11.747	1.995E-13
27	0.24992	SLV_dreno	Min	-1817.191	-10.412	1.995E-13
27	0.49985	SLV_dreno	Min	-1830.688	-9.076	1.995E-13
27	0.	SLE_calotta	Max	-1407.4	50.236	4.979E-14
27	0.24992	SLE_calotta	Max	-1419.397	51.423	4.979E-14
27	0.49985	SLE_calotta	Max	-1431.394	52.61	4.979E-14
27	0.	SLE_calotta	Min	-1407.4	50.236	4.979E-14
27	0.24992	SLE_calotta	Min	-1419.397	51.423	4.979E-14
27	0.49985	SLE_calotta	Min	-1431.394	52.61	4.979E-14
27	0.	SLU_calotta	Max	-1829.621	65.307	6.416E-14
27	0.24992	SLU_calotta	Max	-1845.216	66.85	6.416E-14
27	0.49985	SLU_calotta	Max	-1860.812	68.393	6.416E-14
27	0.	SLU_calotta	Min	-1829.621	65.307	6.416E-14
27	0.24992	SLU_calotta	Min	-1845.216	66.85	6.416E-14
27	0.49985	SLU_calotta	Min	-1860.812	68.393	6.416E-14
27	0.	SLV_calotta	Max	-1673.476	-142.189	2.845E-13
27	0.24992	SLV_calotta	Max	-1686.972	-140.853	2.845E-13
27	0.49985	SLV_calotta	Max	-1700.469	-139.518	2.845E-13
27	0.	SLV_calotta	Min	-1673.476	-142.189	2.845E-13
27	0.24992	SLV_calotta	Min	-1686.972	-140.853	2.845E-13
27	0.49985	SLV_calotta	Min	-1700.469	-139.518	2.845E-13
28	0.	SLE_dreno	Max	-1575.045	60.868	9.956E-14
28	0.24992	SLE_dreno	Max	-1586.255	61.73	9.956E-14
28	0.49985	SLE_dreno	Max	-1597.465	62.591	9.956E-14
28	0.	SLE_dreno	Min	-1575.045	60.868	9.956E-14
28	0.24992	SLE_dreno	Min	-1586.255	61.73	9.956E-14
28	0.49985	SLE_dreno	Min	-1597.465	62.591	9.956E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
28	0.	SLU_dreno	Max	-2047.734	79.131	1.110E-16
28	0.24992	SLU_dreno	Max	-2062.307	80.251	1.110E-16
28	0.49985	SLU_dreno	Max	-2076.881	81.371	1.110E-16
28	0.	SLU_dreno	Min	-2047.734	79.131	1.110E-16
28	0.24992	SLU_dreno	Min	-2062.307	80.251	1.110E-16
28	0.49985	SLU_dreno	Min	-2076.881	81.371	1.110E-16
28	0.	SLV_dreno	Max	-1837.834	29.785	1.425E-13
28	0.24992	SLV_dreno	Max	-1850.446	30.755	1.425E-13
28	0.49985	SLV_dreno	Max	-1863.057	31.724	1.425E-13
28	0.	SLV_dreno	Min	-1837.834	29.785	1.425E-13
28	0.24992	SLV_dreno	Min	-1850.446	30.755	1.425E-13
28	0.49985	SLV_dreno	Min	-1863.057	31.724	1.425E-13
28	0.	SLE_calotta	Max	-1434.918	89.839	4.267E-14
28	0.24992	SLE_calotta	Max	-1446.128	90.7	4.267E-14
28	0.49985	SLE_calotta	Max	-1457.338	91.562	4.267E-14
28	0.	SLE_calotta	Min	-1434.918	89.839	4.267E-14
28	0.24992	SLE_calotta	Min	-1446.128	90.7	4.267E-14
28	0.49985	SLE_calotta	Min	-1457.338	91.562	4.267E-14
28	0.	SLU_calotta	Max	-1865.393	116.79	5.698E-14
28	0.24992	SLU_calotta	Max	-1879.966	117.91	5.698E-14
28	0.49985	SLU_calotta	Max	-1894.539	119.03	5.698E-14
28	0.	SLU_calotta	Min	-1865.393	116.79	5.698E-14
28	0.24992	SLU_calotta	Min	-1879.966	117.91	5.698E-14
28	0.49985	SLU_calotta	Min	-1894.539	119.03	5.698E-14
28	0.	SLV_calotta	Max	-1701.993	-76.695	2.275E-13
28	0.24992	SLV_calotta	Max	-1714.605	-75.726	2.275E-13
28	0.49985	SLV_calotta	Max	-1727.216	-74.757	2.275E-13
28	0.	SLV_calotta	Min	-1701.993	-76.695	2.275E-13
28	0.24992	SLV_calotta	Min	-1714.605	-75.726	2.275E-13
28	0.49985	SLV_calotta	Min	-1727.216	-74.757	2.275E-13
29	0.	SLE_dreno	Max	-1603.024	84.783	8.535E-14
29	0.24992	SLE_dreno	Max	-1613.627	85.364	8.535E-14
29	0.49985	SLE_dreno	Max	-1624.23	85.946	8.535E-14
29	0.	SLE_dreno	Min	-1603.024	84.783	8.535E-14
29	0.24992	SLE_dreno	Min	-1613.627	85.364	8.535E-14
29	0.49985	SLE_dreno	Min	-1624.23	85.946	8.535E-14
29	0.	SLU_dreno	Max	-2084.108	110.216	1.138E-13
29	0.24992	SLU_dreno	Max	-2097.891	110.972	1.138E-13
29	0.49985	SLU_dreno	Max	-2111.675	111.728	1.138E-13
29	0.	SLU_dreno	Min	-2084.108	110.216	1.138E-13
29	0.24992	SLU_dreno	Min	-2097.891	110.972	1.138E-13
29	0.49985	SLU_dreno	Min	-2111.675	111.728	1.138E-13
29	0.	SLV_dreno	Max	-1869.71	74.223	1.567E-13
29	0.24992	SLV_dreno	Max	-1881.638	74.877	1.567E-13
29	0.49985	SLV_dreno	Max	-1893.566	75.531	1.567E-13
29	0.	SLV_dreno	Min	-1869.71	74.223	1.567E-13
29	0.24992	SLV_dreno	Min	-1881.638	74.877	1.567E-13
29	0.49985	SLV_dreno	Min	-1893.566	75.531	1.567E-13
29	0.	SLE_calotta	Max	-1461.335	132.189	4.267E-14
29	0.24992	SLE_calotta	Max	-1471.938	132.77	4.267E-14
29	0.49985	SLE_calotta	Max	-1482.54	133.352	4.267E-14
29	0.	SLE_calotta	Min	-1461.335	132.189	4.267E-14
29	0.24992	SLE_calotta	Min	-1471.938	132.77	4.267E-14
29	0.49985	SLE_calotta	Min	-1482.54	133.352	4.267E-14
29	0.	SLU_calotta	Max	-1899.735	171.845	4.990E-14
29	0.24992	SLU_calotta	Max	-1913.519	172.601	4.990E-14
29	0.49985	SLU_calotta	Max	-1927.303	173.357	4.990E-14
29	0.	SLU_calotta	Min	-1899.735	171.845	4.990E-14
29	0.24992	SLU_calotta	Min	-1913.519	172.601	4.990E-14



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
29	0.49985	SLU_calotta	Min	-1927.303	173.357	4.990E-14
29	0.	SLV_calotta	Max	-1729.406	-6.205	2.276E-13
29	0.24992	SLV_calotta	Max	-1741.334	-5.551	2.276E-13
29	0.49985	SLV_calotta	Max	-1753.262	-4.897	2.276E-13
29	0.	SLV_calotta	Min	-1729.406	-6.205	2.276E-13
29	0.24992	SLV_calotta	Min	-1741.334	-5.551	2.276E-13
29	0.49985	SLV_calotta	Min	-1753.262	-4.897	2.276E-13
30	0.	SLE_dreno	Max	-1629.156	110.454	1.280E-13
30	0.24992	SLE_dreno	Max	-1639.332	110.789	1.280E-13
30	0.49985	SLE_dreno	Max	-1649.508	111.123	1.280E-13
30	0.	SLE_dreno	Min	-1629.156	110.454	1.280E-13
30	0.24992	SLE_dreno	Min	-1639.332	110.789	1.280E-13
30	0.49985	SLE_dreno	Min	-1649.508	111.123	1.280E-13
30	0.	SLU_dreno	Max	-2118.079	143.584	1.138E-13
30	0.24992	SLU_dreno	Max	-2131.307	144.019	1.138E-13
30	0.49985	SLU_dreno	Max	-2144.536	144.454	1.138E-13
30	0.	SLU_dreno	Min	-2118.079	143.584	1.138E-13
30	0.24992	SLU_dreno	Min	-2131.307	144.019	1.138E-13
30	0.49985	SLU_dreno	Min	-2144.536	144.454	1.138E-13
30	0.	SLV_dreno	Max	-1899.587	121.719	1.568E-13
30	0.24992	SLV_dreno	Max	-1911.035	122.096	1.568E-13
30	0.49985	SLV_dreno	Max	-1922.483	122.472	1.568E-13
30	0.	SLV_dreno	Min	-1899.587	121.719	1.568E-13
30	0.24992	SLV_dreno	Min	-1911.035	122.096	1.568E-13
30	0.49985	SLV_dreno	Min	-1922.483	122.472	1.568E-13
30	0.	SLE_calotta	Max	-1487.024	177.627	4.978E-14
30	0.24992	SLE_calotta	Max	-1497.2	177.962	4.978E-14
30	0.49985	SLE_calotta	Max	-1507.376	178.296	4.978E-14
30	0.	SLE_calotta	Min	-1487.024	177.627	4.978E-14
30	0.24992	SLE_calotta	Min	-1497.2	177.962	4.978E-14
30	0.49985	SLE_calotta	Min	-1507.376	178.296	4.978E-14
30	0.	SLU_calotta	Max	-1933.132	230.915	6.409E-14
30	0.24992	SLU_calotta	Max	-1946.36	231.35	6.409E-14
30	0.49985	SLU_calotta	Max	-1959.589	231.785	6.409E-14
30	0.	SLU_calotta	Min	-1933.132	230.915	6.409E-14
30	0.24992	SLU_calotta	Min	-1946.36	231.35	6.409E-14
30	0.49985	SLU_calotta	Min	-1959.589	231.785	6.409E-14
30	0.	SLV_calotta	Max	-1756.121	69.407	2.561E-13
30	0.24992	SLV_calotta	Max	-1767.569	69.783	2.561E-13
30	0.49985	SLV_calotta	Max	-1779.017	70.16	2.561E-13
30	0.	SLV_calotta	Min	-1756.121	69.407	2.561E-13
30	0.24992	SLV_calotta	Min	-1767.569	69.783	2.561E-13
30	0.49985	SLV_calotta	Min	-1779.017	70.16	2.561E-13
31	0.	SLE_dreno	Max	-1653.697	138.645	1.280E-13
31	0.24992	SLE_dreno	Max	-1663.628	138.753	1.280E-13
31	0.49985	SLE_dreno	Max	-1673.559	138.862	1.280E-13
31	0.	SLE_dreno	Min	-1653.697	138.645	1.280E-13
31	0.24992	SLE_dreno	Min	-1663.628	138.753	1.280E-13
31	0.49985	SLE_dreno	Min	-1673.559	138.862	1.280E-13
31	0.	SLU_dreno	Max	-2149.982	180.228	1.139E-13
31	0.24992	SLU_dreno	Max	-2162.892	180.369	1.139E-13
31	0.49985	SLU_dreno	Max	-2175.803	180.511	1.139E-13
31	0.	SLU_dreno	Min	-2149.982	180.228	1.139E-13
31	0.24992	SLU_dreno	Min	-2162.892	180.369	1.139E-13
31	0.49985	SLU_dreno	Min	-2175.803	180.511	1.139E-13
31	0.	SLV_dreno	Max	-1927.739	172.4	1.853E-13
31	0.24992	SLV_dreno	Max	-1938.911	172.523	1.853E-13
31	0.49985	SLV_dreno	Max	-1950.083	172.645	1.853E-13
31	0.	SLV_dreno	Min	-1927.739	172.4	1.853E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
31	0.24992	SLV_dreno	Min	-1938.911	172.523	1.853E-13
31	0.49985	SLV_dreno	Min	-1950.083	172.645	1.853E-13
31	0.	SLE_calotta	Max	-1512.373	226.664	5.690E-14
31	0.24992	SLE_calotta	Max	-1522.304	226.773	5.690E-14
31	0.49985	SLE_calotta	Max	-1532.235	226.881	5.690E-14
31	0.	SLE_calotta	Min	-1512.373	226.664	5.690E-14
31	0.24992	SLE_calotta	Min	-1522.304	226.773	5.690E-14
31	0.49985	SLE_calotta	Min	-1532.235	226.881	5.690E-14
31	0.	SLU_calotta	Max	-1966.085	294.663	6.418E-14
31	0.24992	SLU_calotta	Max	-1978.995	294.804	6.418E-14
31	0.49985	SLU_calotta	Max	-1991.905	294.946	6.418E-14
31	0.	SLU_calotta	Min	-1966.085	294.663	6.418E-14
31	0.24992	SLU_calotta	Min	-1978.995	294.804	6.418E-14
31	0.49985	SLU_calotta	Min	-1991.905	294.946	6.418E-14
31	0.	SLV_calotta	Max	-1782.554	150.236	2.844E-13
31	0.24992	SLV_calotta	Max	-1793.726	150.358	2.844E-13
31	0.49985	SLV_calotta	Max	-1804.898	150.48	2.844E-13
31	0.	SLV_calotta	Min	-1782.554	150.236	2.844E-13
31	0.24992	SLV_calotta	Min	-1793.726	150.358	2.844E-13
31	0.49985	SLV_calotta	Min	-1804.898	150.48	2.844E-13
32	0.	SLE_dreno	Max	-1680.519	148.236	1.280E-13
32	0.21616	SLE_dreno	Max	-1688.999	148.054	1.280E-13
32	0.43231	SLE_dreno	Max	-1697.478	147.872	1.280E-13
32	0.	SLE_dreno	Min	-1680.519	148.236	1.280E-13
32	0.21616	SLE_dreno	Min	-1688.999	148.054	1.280E-13
32	0.43231	SLE_dreno	Min	-1697.478	147.872	1.280E-13
32	0.	SLU_dreno	Max	-2184.85	192.691	1.665E-16
32	0.21616	SLU_dreno	Max	-2195.873	192.455	1.376E-16
32	0.43231	SLU_dreno	Max	-2206.897	192.218	1.086E-16
32	0.	SLU_dreno	Min	-2184.85	192.691	1.665E-16
32	0.21616	SLU_dreno	Min	-2195.873	192.455	1.376E-16
32	0.43231	SLU_dreno	Min	-2206.897	192.218	1.086E-16
32	0.	SLV_dreno	Max	-1958.661	199.534	1.711E-13
32	0.21616	SLV_dreno	Max	-1968.2	199.33	1.710E-13
32	0.43231	SLV_dreno	Max	-1977.74	199.125	1.710E-13
32	0.	SLV_dreno	Min	-1958.661	199.534	1.711E-13
32	0.21616	SLV_dreno	Min	-1968.2	199.33	1.710E-13
32	0.43231	SLV_dreno	Min	-1977.74	199.125	1.710E-13
32	0.	SLE_calotta	Max	-1540.786	257.597	9.245E-14
32	0.21616	SLE_calotta	Max	-1549.265	257.415	9.243E-14
32	0.43231	SLE_calotta	Max	-1557.745	257.233	9.241E-14
32	0.	SLE_calotta	Min	-1540.786	257.597	9.245E-14
32	0.21616	SLE_calotta	Min	-1549.265	257.415	9.243E-14
32	0.43231	SLE_calotta	Min	-1557.745	257.233	9.241E-14
32	0.	SLU_calotta	Max	-2003.021	334.876	9.974E-14
32	0.21616	SLU_calotta	Max	-2014.045	334.64	9.971E-14
32	0.43231	SLU_calotta	Max	-2025.069	334.403	9.968E-14
32	0.	SLU_calotta	Min	-2003.021	334.876	9.974E-14
32	0.21616	SLU_calotta	Min	-2014.045	334.64	9.971E-14
32	0.43231	SLU_calotta	Min	-2025.069	334.403	9.968E-14
32	0.	SLV_calotta	Max	-1812.949	209.255	2.561E-13
32	0.21616	SLV_calotta	Max	-1822.488	209.05	2.560E-13
32	0.43231	SLV_calotta	Max	-1832.028	208.846	2.560E-13
32	0.	SLV_calotta	Min	-1812.949	209.255	2.561E-13
32	0.21616	SLV_calotta	Min	-1822.488	209.05	2.560E-13
32	0.43231	SLV_calotta	Min	-1832.028	208.846	2.560E-13
33	0.	SLE_dreno	Max	-1706.141	138.77	1.422E-13
33	0.21616	SLE_dreno	Max	-1714.659	138.221	1.422E-13
33	0.43231	SLE_dreno	Max	-1723.177	137.672	1.421E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
33	0.	SLE_dreno	Min	-1706.141	138.77	1.422E-13
33	0.21616	SLE_dreno	Min	-1714.659	138.221	1.422E-13
33	0.43231	SLE_dreno	Min	-1723.177	137.672	1.421E-13
33	0.	SLU_dreno	Max	-2218.157	180.378	1.665E-16
33	0.21616	SLU_dreno	Max	-2229.231	179.665	7.918E-17
33	0.43231	SLU_dreno	Max	-2240.304	178.952	-8.169E-18
33	0.	SLV_dreno	Min	-2218.157	180.378	1.665E-16
33	0.21616	SLV_dreno	Min	-2229.231	179.665	7.918E-17
33	0.43231	SLV_dreno	Min	-2240.304	178.952	-8.169E-18
33	0.	SLV_dreno	Max	-1988.457	202.465	1.852E-13
33	0.21616	SLV_dreno	Max	-1998.04	201.847	1.851E-13
33	0.43231	SLV_dreno	Max	-2007.623	201.23	1.850E-13
33	0.	SLV_dreno	Min	-1988.457	202.465	1.852E-13
33	0.21616	SLV_dreno	Min	-1998.04	201.847	1.851E-13
33	0.43231	SLV_dreno	Min	-2007.623	201.23	1.850E-13
33	0.	SLE_calotta	Max	-1570.513	269.077	9.245E-14
33	0.21616	SLE_calotta	Max	-1579.031	268.529	9.239E-14
33	0.43231	SLE_calotta	Max	-1587.549	267.98	9.232E-14
33	0.	SLE_calotta	Min	-1570.513	269.077	9.245E-14
33	0.21616	SLE_calotta	Min	-1579.031	268.529	9.239E-14
33	0.43231	SLE_calotta	Min	-1587.549	267.98	9.232E-14
33	0.	SLU_calotta	Max	-2041.667	349.801	1.140E-13
33	0.21616	SLU_calotta	Max	-2052.741	349.087	1.139E-13
33	0.43231	SLU_calotta	Max	-2063.814	348.374	1.138E-13
33	0.	SLU_calotta	Min	-2041.667	349.801	1.140E-13
33	0.21616	SLU_calotta	Min	-2052.741	349.087	1.139E-13
33	0.43231	SLU_calotta	Min	-2063.814	348.374	1.138E-13
33	0.	SLV_calotta	Max	-1846.459	245.685	3.130E-13
33	0.21616	SLV_calotta	Max	-1856.041	245.068	3.129E-13
33	0.43231	SLV_calotta	Max	-1865.624	244.451	3.128E-13
33	0.	SLV_calotta	Min	-1846.459	245.685	3.130E-13
33	0.21616	SLV_calotta	Min	-1856.041	245.068	3.129E-13
33	0.43231	SLV_calotta	Min	-1865.624	244.451	3.128E-13
34	0.	SLE_dreno	Max	-1734.199	132.101	1.849E-13
34	0.21616	SLE_dreno	Max	-1742.846	131.17	1.847E-13
34	0.43231	SLE_dreno	Max	-1751.494	130.239	1.846E-13
34	0.	SLE_dreno	Min	-1734.199	132.101	1.849E-13
34	0.21616	SLE_dreno	Min	-1742.846	131.17	1.847E-13
34	0.43231	SLE_dreno	Min	-1751.494	130.239	1.846E-13
34	0.	SLU_dreno	Max	-2254.631	171.702	4.550E-13
34	0.21616	SLU_dreno	Max	-2265.874	170.492	4.549E-13
34	0.43231	SLU_dreno	Max	-2277.116	169.283	4.547E-13
34	0.	SLU_dreno	Min	-2254.631	171.702	4.550E-13
34	0.21616	SLU_dreno	Min	-2265.874	170.492	4.549E-13
34	0.43231	SLU_dreno	Min	-2277.116	169.283	4.547E-13
34	0.	SLV_dreno	Max	-2020.787	207.866	2.138E-13
34	0.21616	SLV_dreno	Max	-2030.516	206.819	2.137E-13
34	0.43231	SLV_dreno	Max	-2040.245	205.772	2.136E-13
34	0.	SLV_dreno	Min	-2020.787	207.866	2.138E-13
34	0.21616	SLV_dreno	Min	-2030.516	206.819	2.137E-13
34	0.43231	SLV_dreno	Min	-2040.245	205.772	2.136E-13
34	0.	SLE_calotta	Max	-1602.423	282.624	1.067E-13
34	0.21616	SLE_calotta	Max	-1611.071	281.693	1.066E-13
34	0.43231	SLE_calotta	Max	-1619.718	280.763	1.064E-13
34	0.	SLE_calotta	Min	-1602.423	282.624	1.067E-13
34	0.21616	SLE_calotta	Min	-1611.071	281.693	1.066E-13
34	0.43231	SLE_calotta	Min	-1619.718	280.763	1.064E-13
34	0.	SLU_calotta	Max	-2083.15	367.411	1.283E-13
34	0.21616	SLU_calotta	Max	-2094.392	366.201	1.282E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
34	0.43231	SLU_calotta	Max	-2105.634	364.992	1.280E-13
34	0.	SLU_calotta	Min	-2083.15	367.411	1.283E-13
34	0.21616	SLU_calotta	Min	-2094.392	366.201	1.282E-13
34	0.43231	SLU_calotta	Min	-2105.634	364.992	1.280E-13
34	0.	SLV_calotta	Max	-1886.788	286.378	3.698E-13
34	0.21616	SLV_calotta	Max	-1896.516	285.331	3.697E-13
34	0.43231	SLV_calotta	Max	-1906.245	284.284	3.696E-13
34	0.	SLV_calotta	Min	-1886.788	286.378	3.698E-13
34	0.21616	SLV_calotta	Min	-1896.516	285.331	3.697E-13
34	0.43231	SLV_calotta	Min	-1906.245	284.284	3.696E-13
35	0.	SLE_dreno	Max	-1765.136	127.765	1.423E-13
35	0.21616	SLE_dreno	Max	-1774.057	126.416	1.421E-13
35	0.43231	SLE_dreno	Max	-1782.977	125.067	1.420E-13
35	0.	SLE_dreno	Min	-1765.136	127.765	1.423E-13
35	0.21616	SLE_dreno	Min	-1774.057	126.416	1.421E-13
35	0.43231	SLE_dreno	Min	-1782.977	125.067	1.420E-13
35	0.	SLU_dreno	Max	-2294.849	166.06	4.549E-13
35	0.21616	SLU_dreno	Max	-2306.446	164.306	4.547E-13
35	0.43231	SLU_dreno	Max	-2318.042	162.552	4.545E-13
35	0.	SLU_dreno	Min	-2294.849	166.06	4.549E-13
35	0.21616	SLU_dreno	Min	-2306.446	164.306	4.547E-13
35	0.43231	SLU_dreno	Min	-2318.042	162.552	4.545E-13
35	0.	SLV_dreno	Max	-2056.079	215.245	2.279E-13
35	0.21616	SLV_dreno	Max	-2066.115	213.728	2.277E-13
35	0.43231	SLV_dreno	Max	-2076.15	212.21	2.275E-13
35	0.	SLV_dreno	Min	-2056.079	215.245	2.279E-13
35	0.21616	SLV_dreno	Min	-2066.115	213.728	2.277E-13
35	0.43231	SLV_dreno	Min	-2076.15	212.21	2.275E-13
35	0.	SLE_calotta	Max	-1636.853	297.903	9.959E-14
35	0.21616	SLE_calotta	Max	-1645.774	296.554	9.942E-14
35	0.43231	SLE_calotta	Max	-1654.694	295.205	9.926E-14
35	0.	SLE_calotta	Min	-1636.853	297.903	9.959E-14
35	0.21616	SLE_calotta	Min	-1645.774	296.554	9.942E-14
35	0.43231	SLE_calotta	Min	-1654.694	295.205	9.926E-14
35	0.	SLU_calotta	Max	-2127.909	387.274	1.424E-13
35	0.21616	SLU_calotta	Max	-2139.506	385.52	1.422E-13
35	0.43231	SLU_calotta	Max	-2151.103	383.766	1.420E-13
35	0.	SLU_calotta	Min	-2127.909	387.274	1.424E-13
35	0.21616	SLU_calotta	Min	-2139.506	385.52	1.422E-13
35	0.43231	SLU_calotta	Min	-2151.103	383.766	1.420E-13
35	0.	SLV_calotta	Max	-1934.62	330.378	2.843E-13
35	0.21616	SLV_calotta	Max	-1944.656	328.86	2.841E-13
35	0.43231	SLV_calotta	Max	-1954.691	327.342	2.840E-13
35	0.	SLV_calotta	Min	-1934.62	330.378	2.843E-13
35	0.21616	SLV_calotta	Min	-1944.656	328.86	2.841E-13
35	0.43231	SLV_calotta	Min	-1954.691	327.342	2.840E-13
36	0.	SLE_dreno	Max	-1800.298	125.353	1.138E-13
36	0.23676	SLE_dreno	Max	-1810.456	123.346	1.136E-13
36	0.47352	SLE_dreno	Max	-1820.615	121.339	1.133E-13
36	0.	SLE_dreno	Min	-1800.298	125.353	1.138E-13
36	0.23676	SLE_dreno	Min	-1810.456	123.346	1.136E-13
36	0.47352	SLE_dreno	Min	-1820.615	121.339	1.133E-13
36	0.	SLU_dreno	Max	-2340.557	162.917	-4.546E-13
36	0.23676	SLU_dreno	Max	-2353.763	160.308	-4.550E-13
36	0.47352	SLU_dreno	Max	-2366.97	157.7	-4.553E-13
36	0.	SLU_dreno	Min	-2340.557	162.917	-4.546E-13
36	0.23676	SLU_dreno	Min	-2353.763	160.308	-4.550E-13
36	0.47352	SLU_dreno	Min	-2366.97	157.7	-4.553E-13
36	0.	SLV_dreno	Max	-2095.744	224.716	1.426E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
36	0.23676	SLV_dreno	Max	-2107.172	222.459	1.423E-13
36	0.47352	SLV_dreno	Max	-2118.601	220.201	1.421E-13
36	0.	SLV_dreno	Min	-2095.744	224.716	1.426E-13
36	0.23676	SLV_dreno	Min	-2107.172	222.459	1.423E-13
36	0.47352	SLV_dreno	Min	-2118.601	220.201	1.421E-13
36	0.	SLE_calotta	Max	-1675.155	315.499	8.536E-14
36	0.23676	SLE_calotta	Max	-1685.314	313.493	8.512E-14
36	0.47352	SLE_calotta	Max	-1695.473	311.486	8.487E-14
36	0.	SLE_calotta	Min	-1675.155	315.499	8.536E-14
36	0.23676	SLE_calotta	Min	-1685.314	313.493	8.512E-14
36	0.47352	SLE_calotta	Min	-1695.473	311.486	8.487E-14
36	0.	SLU_calotta	Max	-2177.702	410.149	1.425E-13
36	0.23676	SLU_calotta	Max	-2190.908	407.54	1.421E-13
36	0.47352	SLU_calotta	Max	-2204.115	404.932	1.418E-13
36	0.	SLU_calotta	Min	-2177.702	410.149	1.425E-13
36	0.23676	SLU_calotta	Min	-2190.908	407.54	1.421E-13
36	0.47352	SLU_calotta	Min	-2204.115	404.932	1.418E-13
36	0.	SLV_calotta	Max	-1992.542	379.091	2.560E-13
36	0.23676	SLV_calotta	Max	-2003.97	376.834	2.557E-13
36	0.47352	SLV_calotta	Max	-2015.399	374.576	2.555E-13
36	0.	SLV_calotta	Min	-1992.542	379.091	2.560E-13
36	0.23676	SLV_calotta	Min	-2003.97	376.834	2.557E-13
36	0.47352	SLV_calotta	Min	-2015.399	374.576	2.555E-13
37	0.	SLE_dreno	Max	-1841.999	124.932	1.138E-13
37	0.23676	SLE_dreno	Max	-1852.684	122.295	1.135E-13
37	0.47352	SLE_dreno	Max	-1863.37	119.657	1.132E-13
37	0.	SLE_dreno	Min	-1841.999	124.932	1.138E-13
37	0.23676	SLE_dreno	Min	-1852.684	122.295	1.135E-13
37	0.47352	SLE_dreno	Min	-1863.37	119.657	1.132E-13
37	0.	SLU_dreno	Max	-2394.767	162.364	-2.272E-13
37	0.23676	SLU_dreno	Max	-2408.658	158.935	-2.276E-13
37	0.47352	SLU_dreno	Max	-2422.549	155.507	-2.280E-13
37	0.	SLU_dreno	Min	-2394.767	162.364	-2.272E-13
37	0.23676	SLU_dreno	Min	-2408.658	158.935	-2.276E-13
37	0.47352	SLU_dreno	Min	-2422.549	155.507	-2.280E-13
37	0.	SLV_dreno	Max	-2142.284	236.09	2.280E-13
37	0.23676	SLV_dreno	Max	-2154.304	233.123	2.276E-13
37	0.47352	SLV_dreno	Max	-2166.325	230.156	2.273E-13
37	0.	SLV_dreno	Min	-2142.284	236.09	2.280E-13
37	0.23676	SLV_dreno	Min	-2154.304	233.123	2.276E-13
37	0.47352	SLV_dreno	Min	-2166.325	230.156	2.273E-13
37	0.	SLE_calotta	Max	-1719.825	334.748	8.533E-14
37	0.23676	SLE_calotta	Max	-1730.51	332.111	8.501E-14
37	0.47352	SLE_calotta	Max	-1741.195	329.474	8.469E-14
37	0.	SLE_calotta	Min	-1719.825	334.748	8.533E-14
37	0.23676	SLE_calotta	Min	-1730.51	332.111	8.501E-14
37	0.47352	SLE_calotta	Min	-1741.195	329.474	8.469E-14
37	0.	SLU_calotta	Max	-2235.772	435.173	8.563E-14
37	0.23676	SLU_calotta	Max	-2249.663	431.744	8.521E-14
37	0.47352	SLU_calotta	Max	-2263.554	428.316	8.479E-14
37	0.	SLU_calotta	Min	-2235.772	435.173	8.563E-14
37	0.23676	SLU_calotta	Min	-2249.663	431.744	8.521E-14
37	0.47352	SLU_calotta	Min	-2263.554	428.316	8.479E-14
37	0.	SLV_calotta	Max	-2064.251	430.926	2.843E-13
37	0.23676	SLV_calotta	Max	-2076.272	427.959	2.840E-13
37	0.47352	SLV_calotta	Max	-2088.293	424.992	2.836E-13
37	0.	SLV_calotta	Min	-2064.251	430.926	2.843E-13
37	0.23676	SLV_calotta	Min	-2076.272	427.959	2.840E-13
37	0.47352	SLV_calotta	Min	-2088.293	424.992	2.836E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
38	0.	SLE_dreno	Max	-1888.155	126.029	1.422E-13
38	0.23676	SLE_dreno	Max	-1899.498	122.657	1.418E-13
38	0.47352	SLE_dreno	Max	-1910.842	119.284	1.414E-13
38	0.	SLE_dreno	Min	-1888.155	126.029	1.422E-13
38	0.23676	SLE_dreno	Min	-1899.498	122.657	1.418E-13
38	0.47352	SLE_dreno	Min	-1910.842	119.284	1.414E-13
38	0.	SLU_dreno	Max	-2454.767	163.784	2.275E-13
38	0.23676	SLU_dreno	Max	-2469.514	159.4	2.269E-13
38	0.47352	SLU_dreno	Max	-2484.26	155.016	2.264E-13
38	0.	SLU_dreno	Min	-2454.767	163.784	2.275E-13
38	0.23676	SLU_dreno	Min	-2469.514	159.4	2.269E-13
38	0.47352	SLU_dreno	Min	-2484.26	155.016	2.264E-13
38	0.	SLV_dreno	Max	-2193.216	248.345	1.426E-13
38	0.23676	SLV_dreno	Max	-2205.978	244.551	1.421E-13
38	0.47352	SLV_dreno	Max	-2218.739	240.757	1.417E-13
38	0.	SLV_dreno	Min	-2193.216	248.345	1.426E-13
38	0.23676	SLV_dreno	Min	-2205.978	244.551	1.421E-13
38	0.47352	SLV_dreno	Min	-2218.739	240.757	1.417E-13
38	0.	SLE_calotta	Max	-1768.579	354.357	7.111E-14
38	0.23676	SLE_calotta	Max	-1779.922	350.985	7.070E-14
38	0.47352	SLE_calotta	Max	-1791.266	347.612	7.028E-14
38	0.	SLE_calotta	Min	-1768.579	354.357	7.111E-14
38	0.23676	SLE_calotta	Min	-1779.922	350.985	7.070E-14
38	0.47352	SLE_calotta	Min	-1791.266	347.612	7.028E-14
38	0.	SLU_calotta	Max	-2299.152	460.664	1.140E-13
38	0.23676	SLU_calotta	Max	-2313.899	456.28	1.135E-13
38	0.47352	SLU_calotta	Max	-2328.646	451.896	1.129E-13
38	0.	SLU_calotta	Min	-2299.152	460.664	1.140E-13
38	0.23676	SLU_calotta	Min	-2313.899	456.28	1.135E-13
38	0.47352	SLU_calotta	Min	-2328.646	451.896	1.129E-13
38	0.	SLV_calotta	Max	-2146.798	482.263	1.709E-13
38	0.23676	SLV_calotta	Max	-2159.559	478.469	1.704E-13
38	0.47352	SLV_calotta	Max	-2172.321	474.676	1.699E-13
38	0.	SLV_calotta	Min	-2146.798	482.263	1.709E-13
38	0.23676	SLV_calotta	Min	-2159.559	478.469	1.704E-13
38	0.47352	SLV_calotta	Min	-2172.321	474.676	1.699E-13
39	0.	SLE_dreno	Max	-872.961	-1085.684	-2.776E-17
39	0.24636	SLE_dreno	Max	-874.24	-1094.084	-1.056E-15
39	0.49272	SLE_dreno	Max	-875.519	-1102.484	-2.085E-15
39	0.	SLE_dreno	Min	-872.961	-1085.684	-2.776E-17
39	0.24636	SLE_dreno	Min	-874.24	-1094.084	-1.056E-15
39	0.49272	SLE_dreno	Min	-875.519	-1102.484	-2.085E-15
39	0.	SLU_dreno	Max	-1134.865	-1411.514	0.
39	0.24636	SLU_dreno	Max	-1136.528	-1422.434	-1.337E-15
39	0.49272	SLU_dreno	Max	-1138.191	-1433.354	-2.675E-15
39	0.	SLU_dreno	Min	-1134.865	-1411.514	0.
39	0.24636	SLU_dreno	Min	-1136.528	-1422.434	-1.337E-15
39	0.49272	SLU_dreno	Min	-1138.191	-1433.354	-2.675E-15
39	0.	SLV_dreno	Max	-1118.209	-1235.582	-4.263E-14
39	0.24636	SLV_dreno	Max	-1119.648	-1245.032	-4.379E-14
39	0.49272	SLV_dreno	Max	-1121.087	-1254.482	-4.495E-14
39	0.	SLV_dreno	Min	-1118.209	-1235.582	-4.263E-14
39	0.24636	SLV_dreno	Min	-1119.648	-1245.032	-4.379E-14
39	0.49272	SLV_dreno	Min	-1121.087	-1254.482	-4.495E-14
39	0.	SLE_calotta	Max	-1072.507	-1150.202	-9.956E-14
39	0.24636	SLE_calotta	Max	-1073.786	-1158.602	-1.006E-13
39	0.49272	SLE_calotta	Max	-1075.065	-1167.002	-1.016E-13
39	0.	SLE_calotta	Min	-1072.507	-1150.202	-9.956E-14
39	0.24636	SLE_calotta	Min	-1073.786	-1158.602	-1.006E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
39	0.49272	SLE_calotta	Min	-1075.065	-1167.002	-1.016E-13
39	0.	SLU_calotta	Max	-1394.259	-1495.263	-1.140E-13
39	0.24636	SLU_calotta	Max	-1395.922	-1506.183	-1.154E-13
39	0.49272	SLU_calotta	Max	-1397.585	-1517.103	-1.167E-13
39	0.	SLU_calotta	Min	-1394.259	-1495.263	-1.140E-13
39	0.24636	SLU_calotta	Min	-1395.922	-1506.183	-1.154E-13
39	0.49272	SLU_calotta	Min	-1397.585	-1517.103	-1.167E-13
39	0.	SLV_calotta	Max	-1291.418	-796.878	8.543E-14
39	0.24636	SLV_calotta	Max	-1292.857	-806.328	8.427E-14
39	0.49272	SLV_calotta	Max	-1294.296	-815.778	8.312E-14
39	0.	SLV_calotta	Min	-1291.418	-796.878	8.543E-14
39	0.24636	SLV_calotta	Min	-1292.857	-806.328	8.427E-14
39	0.49272	SLV_calotta	Min	-1294.296	-815.778	8.312E-14
40	0.	SLE_dreno	Max	-866.888	-1010.8	5.687E-14
40	0.24636	SLE_dreno	Max	-868.177	-1019.758	5.577E-14
40	0.49272	SLE_dreno	Max	-869.467	-1028.717	5.468E-14
40	0.	SLE_dreno	Min	-866.888	-1010.8	5.687E-14
40	0.24636	SLE_dreno	Min	-868.177	-1019.758	5.577E-14
40	0.49272	SLE_dreno	Min	-869.467	-1028.717	5.468E-14
40	0.	SLU_dreno	Max	-1126.969	-1314.157	2.274E-13
40	0.24636	SLU_dreno	Max	-1128.645	-1325.803	2.259E-13
40	0.49272	SLU_dreno	Max	-1130.322	-1337.449	2.245E-13
40	0.	SLU_dreno	Min	-1126.969	-1314.157	2.274E-13
40	0.24636	SLU_dreno	Min	-1128.645	-1325.803	2.259E-13
40	0.49272	SLU_dreno	Min	-1130.322	-1337.449	2.245E-13
40	0.	SLV_dreno	Max	-1110.985	-1146.662	2.837E-14
40	0.24636	SLV_dreno	Max	-1112.436	-1156.74	2.713E-14
40	0.49272	SLV_dreno	Max	-1113.886	-1166.819	2.590E-14
40	0.	SLV_dreno	Min	-1110.985	-1146.662	2.837E-14
40	0.24636	SLV_dreno	Min	-1112.436	-1156.74	2.713E-14
40	0.49272	SLV_dreno	Min	-1113.886	-1166.819	2.590E-14
40	0.	SLE_calotta	Max	-1065.923	-1071.561	-7.115E-14
40	0.24636	SLE_calotta	Max	-1067.212	-1080.519	-7.225E-14
40	0.49272	SLE_calotta	Max	-1068.502	-1089.478	-7.335E-14
40	0.	SLE_calotta	Min	-1065.923	-1071.561	-7.115E-14
40	0.24636	SLE_calotta	Min	-1067.212	-1080.519	-7.225E-14
40	0.49272	SLE_calotta	Min	-1068.502	-1089.478	-7.335E-14
40	0.	SLU_calotta	Max	-1385.699	-1393.029	-8.557E-14
40	0.24636	SLU_calotta	Max	-1387.376	-1404.675	-8.700E-14
40	0.49272	SLU_calotta	Max	-1389.052	-1416.322	-8.842E-14
40	0.	SLU_calotta	Min	-1385.699	-1393.029	-8.557E-14
40	0.24636	SLU_calotta	Min	-1387.376	-1404.675	-8.700E-14
40	0.49272	SLU_calotta	Min	-1389.052	-1416.322	-8.842E-14
40	0.	SLV_calotta	Max	-1305.253	-726.698	1.708E-13
40	0.24636	SLV_calotta	Max	-1306.703	-736.776	1.695E-13
40	0.49272	SLV_calotta	Max	-1308.154	-746.855	1.683E-13
40	0.	SLV_calotta	Min	-1305.253	-726.698	1.708E-13
40	0.24636	SLV_calotta	Min	-1306.703	-736.776	1.695E-13
40	0.49272	SLV_calotta	Min	-1308.154	-746.855	1.683E-13
41	0.	SLE_dreno	Max	-861.437	-937.173	1.424E-14
41	0.24636	SLE_dreno	Max	-862.447	-944.616	1.333E-14
41	0.49272	SLE_dreno	Max	-863.456	-952.06	1.242E-14
41	0.	SLE_dreno	Min	-861.437	-937.173	1.424E-14
41	0.24636	SLE_dreno	Min	-862.447	-944.616	1.333E-14
41	0.49272	SLE_dreno	Min	-863.456	-952.06	1.242E-14
41	0.	SLU_dreno	Max	-1119.883	-1218.435	5.551E-17
41	0.24636	SLU_dreno	Max	-1121.195	-1228.111	-1.130E-15
41	0.49272	SLU_dreno	Max	-1122.507	-1237.788	-2.315E-15
41	0.	SLU_dreno	Min	-1119.883	-1218.435	5.551E-17

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
41	0.24636	SLU_dreno	Min	-1121.195	-1228.111	-1.130E-15
41	0.49272	SLU_dreno	Min	-1122.507	-1237.788	-2.315E-15
41	0.	SLV_dreno	Max	-1104.501	-1059.449	2.850E-14
41	0.24636	SLV_dreno	Max	-1105.637	-1067.823	2.748E-14
41	0.49272	SLV_dreno	Max	-1106.772	-1076.197	2.645E-14
41	0.	SLV_dreno	Min	-1104.501	-1059.449	2.850E-14
41	0.24636	SLV_dreno	Min	-1105.637	-1067.823	2.748E-14
41	0.49272	SLV_dreno	Min	-1106.772	-1076.197	2.645E-14
41	0.	SLE_calotta	Max	-1059.991	-994.192	-3.557E-14
41	0.24636	SLE_calotta	Max	-1061.001	-1001.636	-3.648E-14
41	0.49272	SLE_calotta	Max	-1062.01	-1009.079	-3.739E-14
41	0.	SLE_calotta	Min	-1059.991	-994.192	-3.557E-14
41	0.24636	SLE_calotta	Min	-1061.001	-1001.636	-3.648E-14
41	0.49272	SLE_calotta	Min	-1062.01	-1009.079	-3.739E-14
41	0.	SLU_calotta	Max	-1377.989	-1292.45	-9.971E-14
41	0.24636	SLU_calotta	Max	-1379.301	-1302.127	-1.009E-13
41	0.49272	SLU_calotta	Max	-1380.613	-1311.803	-1.021E-13
41	0.	SLU_calotta	Min	-1377.989	-1292.45	-9.971E-14
41	0.24636	SLU_calotta	Min	-1379.301	-1302.127	-1.009E-13
41	0.49272	SLU_calotta	Min	-1380.613	-1311.803	-1.021E-13
41	0.	SLV_calotta	Max	-1318.828	-659.079	1.992E-13
41	0.24636	SLV_calotta	Max	-1319.964	-667.454	1.981E-13
41	0.49272	SLV_calotta	Max	-1321.099	-675.828	1.971E-13
41	0.	SLV_calotta	Min	-1318.828	-659.079	1.992E-13
41	0.24636	SLV_calotta	Min	-1319.964	-667.454	1.981E-13
41	0.49272	SLV_calotta	Min	-1321.099	-675.828	1.971E-13
42	0.	SLE_dreno	Max	-856.052	-860.747	2.848E-14
42	0.24636	SLE_dreno	Max	-857.763	-874.186	2.683E-14
42	0.49272	SLE_dreno	Max	-859.473	-887.625	2.519E-14
42	0.	SLE_dreno	Min	-856.052	-860.747	2.848E-14
42	0.24636	SLE_dreno	Min	-857.763	-874.186	2.683E-14
42	0.49272	SLE_dreno	Min	-859.473	-887.625	2.519E-14
42	0.	SLU_dreno	Max	-1112.881	-1119.074	0.
42	0.24636	SLU_dreno	Max	-1115.105	-1136.545	-2.140E-15
42	0.49272	SLU_dreno	Max	-1117.328	-1154.015	-4.279E-15
42	0.	SLU_dreno	Min	-1112.881	-1119.074	0.
42	0.24636	SLU_dreno	Min	-1115.105	-1136.545	-2.140E-15
42	0.49272	SLU_dreno	Min	-1117.328	-1154.015	-4.279E-15
42	0.	SLV_dreno	Max	-1098.13	-969.379	-2.842E-14
42	0.24636	SLV_dreno	Max	-1100.054	-984.498	-3.027E-14
42	0.49272	SLV_dreno	Max	-1101.979	-999.617	-3.212E-14
42	0.	SLV_dreno	Min	-1098.13	-969.379	-2.842E-14
42	0.24636	SLV_dreno	Min	-1100.054	-984.498	-3.027E-14
42	0.49272	SLV_dreno	Min	-1101.979	-999.617	-3.212E-14
42	0.	SLE_calotta	Max	-1054.155	-914.051	-5.690E-14
42	0.24636	SLE_calotta	Max	-1055.866	-927.49	-5.854E-14
42	0.49272	SLE_calotta	Max	-1057.577	-940.929	-6.019E-14
42	0.	SLE_calotta	Min	-1054.155	-914.051	-5.690E-14
42	0.24636	SLE_calotta	Min	-1055.866	-927.49	-5.854E-14
42	0.49272	SLE_calotta	Min	-1057.577	-940.929	-6.019E-14
42	0.	SLU_calotta	Max	-1370.402	-1188.266	-8.546E-14
42	0.24636	SLU_calotta	Max	-1372.626	-1205.737	-8.760E-14
42	0.49272	SLU_calotta	Max	-1374.849	-1223.207	-8.974E-14
42	0.	SLU_calotta	Min	-1370.402	-1188.266	-8.546E-14
42	0.24636	SLU_calotta	Min	-1372.626	-1205.737	-8.760E-14
42	0.49272	SLU_calotta	Min	-1374.849	-1223.207	-8.974E-14
42	0.	SLV_calotta	Max	-1331.488	-589.375	1.422E-13
42	0.24636	SLV_calotta	Max	-1333.413	-604.494	1.404E-13
42	0.49272	SLV_calotta	Max	-1335.337	-619.613	1.385E-13



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
42	0.	SLV_calotta	Min	-1331.488	-589.375	1.422E-13
42	0.24636	SLV_calotta	Min	-1333.413	-604.494	1.404E-13
42	0.49272	SLV_calotta	Min	-1335.337	-619.613	1.385E-13
43	0.	SLE_dreno	Max	-852.594	-796.616	2.853E-14
43	0.24636	SLE_dreno	Max	-854.253	-810.558	2.683E-14
43	0.49272	SLE_dreno	Max	-855.912	-824.499	2.512E-14
43	0.	SLE_dreno	Min	-852.594	-796.616	2.853E-14
43	0.24636	SLE_dreno	Min	-854.253	-810.558	2.683E-14
43	0.49272	SLE_dreno	Min	-855.912	-824.499	2.512E-14
43	0.	SLU_dreno	Max	-1108.385	-1035.697	-2.273E-13
43	0.24636	SLU_dreno	Max	-1110.542	-1053.821	-2.295E-13
43	0.49272	SLU_dreno	Max	-1112.698	-1071.945	-2.317E-13
43	0.	SLU_dreno	Min	-1108.385	-1035.697	-2.273E-13
43	0.24636	SLU_dreno	Min	-1110.542	-1053.821	-2.295E-13
43	0.49272	SLU_dreno	Min	-1112.698	-1071.945	-2.317E-13
43	0.	SLV_dreno	Max	-1093.967	-893.43	5.701E-14
43	0.24636	SLV_dreno	Max	-1095.833	-909.114	5.509E-14
43	0.49272	SLV_dreno	Max	-1097.699	-924.798	5.317E-14
43	0.	SLV_dreno	Min	-1093.967	-893.43	5.701E-14
43	0.24636	SLV_dreno	Min	-1095.833	-909.114	5.509E-14
43	0.49272	SLV_dreno	Min	-1097.699	-924.798	5.317E-14
43	0.	SLE_calotta	Max	-1050.277	-846.238	-4.266E-14
43	0.24636	SLE_calotta	Max	-1051.936	-860.18	-4.437E-14
43	0.49272	SLE_calotta	Max	-1053.595	-874.121	-4.607E-14
43	0.	SLE_calotta	Min	-1050.277	-846.238	-4.266E-14
43	0.24636	SLE_calotta	Min	-1051.936	-860.18	-4.437E-14
43	0.49272	SLE_calotta	Min	-1053.595	-874.121	-4.607E-14
43	0.	SLU_calotta	Max	-1365.36	-1100.11	-5.707E-14
43	0.24636	SLU_calotta	Max	-1367.517	-1118.233	-5.929E-14
43	0.49272	SLU_calotta	Max	-1369.673	-1136.357	-6.150E-14
43	0.	SLU_calotta	Min	-1365.36	-1100.11	-5.707E-14
43	0.24636	SLU_calotta	Min	-1367.517	-1118.233	-5.929E-14
43	0.49272	SLU_calotta	Min	-1369.673	-1136.357	-6.150E-14
43	0.	SLV_calotta	Max	-1345.301	-534.493	1.138E-13
43	0.24636	SLV_calotta	Max	-1347.167	-550.177	1.119E-13
43	0.49272	SLV_calotta	Max	-1349.034	-565.861	1.100E-13
43	0.	SLV_calotta	Min	-1345.301	-534.493	1.138E-13
43	0.24636	SLV_calotta	Min	-1347.167	-550.177	1.119E-13
43	0.49272	SLV_calotta	Min	-1349.034	-565.861	1.100E-13
44	0.	SLE_dreno	Max	-849.548	-733.822	8.532E-14
44	0.24636	SLE_dreno	Max	-851.154	-748.327	8.354E-14
44	0.49272	SLE_dreno	Max	-852.76	-762.832	8.177E-14
44	0.	SLE_dreno	Min	-849.548	-733.822	8.532E-14
44	0.24636	SLE_dreno	Min	-851.154	-748.327	8.354E-14
44	0.49272	SLE_dreno	Min	-852.76	-762.832	8.177E-14
44	0.	SLU_dreno	Max	-1104.424	-954.057	2.274E-13
44	0.24636	SLU_dreno	Max	-1106.511	-972.914	2.251E-13
44	0.49272	SLU_dreno	Max	-1108.599	-991.771	2.228E-13
44	0.	SLU_dreno	Min	-1104.424	-954.057	2.274E-13
44	0.24636	SLU_dreno	Min	-1106.511	-972.914	2.251E-13
44	0.49272	SLU_dreno	Min	-1108.599	-991.771	2.228E-13
44	0.	SLV_dreno	Max	-1090.305	-819.272	8.538E-14
44	0.24636	SLV_dreno	Max	-1092.112	-835.591	8.338E-14
44	0.49272	SLV_dreno	Max	-1093.918	-851.909	8.138E-14
44	0.	SLV_dreno	Min	-1090.305	-819.272	8.538E-14
44	0.24636	SLV_dreno	Min	-1092.112	-835.591	8.338E-14
44	0.49272	SLV_dreno	Min	-1093.918	-851.909	8.138E-14
44	0.	SLE_calotta	Max	-1046.84	-779.8	-1.424E-14
44	0.24636	SLE_calotta	Max	-1048.446	-794.305	-1.602E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
44	0.49272	SLE_calotta	Max	-1050.052	-808.81	-1.779E-14
44	0.	SLE_calotta	Min	-1046.84	-779.8	-1.424E-14
44	0.24636	SLE_calotta	Min	-1048.446	-794.305	-1.602E-14
44	0.49272	SLE_calotta	Min	-1050.052	-808.81	-1.779E-14
44	0.	SLU_calotta	Max	-1360.892	-1013.739	-1.432E-14
44	0.24636	SLU_calotta	Max	-1362.98	-1032.596	-1.663E-14
44	0.49272	SLU_calotta	Max	-1365.068	-1051.453	-1.894E-14
44	0.	SLU_calotta	Min	-1360.892	-1013.739	-1.432E-14
44	0.24636	SLU_calotta	Min	-1362.98	-1032.596	-1.663E-14
44	0.49272	SLU_calotta	Min	-1365.068	-1051.453	-1.894E-14
44	0.	SLV_calotta	Max	-1358.535	-482.048	2.275E-13
44	0.24636	SLV_calotta	Max	-1360.342	-498.367	2.255E-13
44	0.49272	SLV_calotta	Max	-1362.149	-514.685	2.235E-13
44	0.	SLV_calotta	Min	-1358.535	-482.048	2.275E-13
44	0.24636	SLV_calotta	Min	-1360.342	-498.367	2.255E-13
44	0.49272	SLV_calotta	Min	-1362.149	-514.685	2.235E-13
45	0.	SLE_dreno	Max	-846.898	-672.494	0.
45	0.24636	SLE_dreno	Max	-848.429	-687.44	-1.830E-15
45	0.49272	SLE_dreno	Max	-849.961	-702.387	-3.661E-15
45	0.	SLE_dreno	Min	-846.898	-672.494	0.
45	0.24636	SLE_dreno	Min	-848.429	-687.44	-1.830E-15
45	0.49272	SLE_dreno	Min	-849.961	-702.387	-3.661E-15
45	0.	SLU_dreno	Max	-1100.978	-874.323	9.096E-13
45	0.24636	SLU_dreno	Max	-1102.969	-893.754	9.072E-13
45	0.49272	SLU_dreno	Max	-1104.959	-913.185	9.048E-13
45	0.	SLU_dreno	Min	-1100.978	-874.323	9.096E-13
45	0.24636	SLU_dreno	Min	-1102.969	-893.754	9.072E-13
45	0.49272	SLU_dreno	Min	-1104.959	-913.185	9.048E-13
45	0.	SLV_dreno	Max	-1087.128	-747.051	3.331E-16
45	0.24636	SLV_dreno	Max	-1088.85	-763.866	-1.726E-15
45	0.49272	SLV_dreno	Max	-1090.573	-780.681	-3.785E-15
45	0.	SLV_dreno	Min	-1087.128	-747.051	3.331E-16
45	0.24636	SLV_dreno	Min	-1088.85	-763.866	-1.726E-15
45	0.49272	SLV_dreno	Min	-1090.573	-780.681	-3.785E-15
45	0.	SLE_calotta	Max	-1043.83	-714.868	-4.269E-14
45	0.24636	SLE_calotta	Max	-1045.361	-729.815	-4.452E-14
45	0.49272	SLE_calotta	Max	-1046.893	-744.761	-4.635E-14
45	0.	SLE_calotta	Min	-1043.83	-714.868	-4.269E-14
45	0.24636	SLE_calotta	Min	-1045.361	-729.815	-4.452E-14
45	0.49272	SLE_calotta	Min	-1046.893	-744.761	-4.635E-14
45	0.	SLU_calotta	Max	-1356.978	-929.328	-5.704E-14
45	0.24636	SLU_calotta	Max	-1358.969	-948.759	-5.942E-14
45	0.49272	SLU_calotta	Max	-1360.96	-968.19	-6.180E-14
45	0.	SLU_calotta	Min	-1356.978	-929.328	-5.704E-14
45	0.24636	SLU_calotta	Min	-1358.969	-948.759	-5.942E-14
45	0.49272	SLU_calotta	Min	-1360.96	-968.19	-6.180E-14
45	0.	SLV_calotta	Max	-1371.149	-432.136	1.705E-13
45	0.24636	SLV_calotta	Max	-1372.872	-448.951	1.685E-13
45	0.49272	SLV_calotta	Max	-1374.595	-465.766	1.664E-13
45	0.	SLV_calotta	Min	-1371.149	-432.136	1.705E-13
45	0.24636	SLV_calotta	Min	-1372.872	-448.951	1.685E-13
45	0.49272	SLV_calotta	Min	-1374.595	-465.766	1.664E-13
46	0.	SLE_dreno	Max	-844.591	-612.381	1.423E-13
46	0.24636	SLE_dreno	Max	-846.04	-627.769	1.404E-13
46	0.49272	SLE_dreno	Max	-847.49	-643.157	1.385E-13
46	0.	SLE_dreno	Min	-844.591	-612.381	1.423E-13
46	0.24636	SLE_dreno	Min	-846.04	-627.769	1.404E-13
46	0.49272	SLE_dreno	Min	-847.49	-643.157	1.385E-13
46	0.	SLU_dreno	Max	-1097.978	-796.171	2.220E-16

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
46	0.24636	SLU_dreno	Max	-1099.862	-816.175	-2.228E-15
46	0.49272	SLU_dreno	Max	-1101.747	-836.179	-4.678E-15
46	0.	SLU_dreno	Min	-1097.978	-796.171	2.220E-16
46	0.24636	SLU_dreno	Min	-1099.862	-816.175	-2.228E-15
46	0.49272	SLU_dreno	Min	-1101.747	-836.179	-4.678E-15
46	0.	SLV_dreno	Max	-1084.374	-676.483	1.426E-13
46	0.24636	SLV_dreno	Max	-1086.005	-693.795	1.405E-13
46	0.49272	SLV_dreno	Max	-1087.636	-711.106	1.384E-13
46	0.	SLV_dreno	Min	-1084.374	-676.483	1.426E-13
46	0.24636	SLV_dreno	Min	-1086.005	-693.795	1.405E-13
46	0.49272	SLV_dreno	Min	-1087.636	-711.106	1.384E-13
46	0.	SLE_calotta	Max	-1041.191	-651.193	2.776E-17
46	0.24636	SLE_calotta	Max	-1042.64	-666.581	-1.857E-15
46	0.49272	SLE_calotta	Max	-1044.09	-681.969	-3.741E-15
46	0.	SLE_calotta	Min	-1041.191	-651.193	2.776E-17
46	0.24636	SLE_calotta	Min	-1042.64	-666.581	-1.857E-15
46	0.49272	SLE_calotta	Min	-1044.09	-681.969	-3.741E-15
46	0.	SLU_calotta	Max	-1353.548	-846.551	-1.110E-16
46	0.24636	SLU_calotta	Max	-1355.432	-866.555	-2.561E-15
46	0.49272	SLU_calotta	Max	-1357.317	-886.559	-5.011E-15
46	0.	SLU_calotta	Min	-1353.548	-846.551	-1.110E-16
46	0.24636	SLU_calotta	Min	-1355.432	-866.555	-2.561E-15
46	0.49272	SLU_calotta	Min	-1357.317	-886.559	-5.011E-15
46	0.	SLV_calotta	Max	-1383.06	-384.43	3.983E-13
46	0.24636	SLV_calotta	Max	-1384.691	-401.741	3.962E-13
46	0.49272	SLV_calotta	Max	-1386.322	-419.052	3.941E-13
46	0.	SLV_calotta	Min	-1383.06	-384.43	3.983E-13
46	0.24636	SLV_calotta	Min	-1384.691	-401.741	3.962E-13
46	0.49272	SLV_calotta	Min	-1386.322	-419.052	3.941E-13
47	0.	SLE_dreno	Max	-842.603	-553.47	1.707E-13
47	0.24636	SLE_dreno	Max	-843.964	-569.298	1.688E-13
47	0.49272	SLE_dreno	Max	-845.325	-585.127	1.668E-13
47	0.	SLE_dreno	Min	-842.603	-553.47	1.707E-13
47	0.24636	SLE_dreno	Min	-843.964	-569.298	1.688E-13
47	0.49272	SLE_dreno	Min	-845.325	-585.127	1.668E-13
47	0.	SLU_dreno	Max	-1095.393	-719.579	4.551E-13
47	0.24636	SLU_dreno	Max	-1097.162	-740.156	4.526E-13
47	0.49272	SLU_dreno	Max	-1098.931	-760.733	4.500E-13
47	0.	SLU_dreno	Min	-1095.393	-719.579	4.551E-13
47	0.24636	SLU_dreno	Min	-1097.162	-740.156	4.526E-13
47	0.49272	SLU_dreno	Min	-1098.931	-760.733	4.500E-13
47	0.	SLV_dreno	Max	-1082.018	-607.553	1.140E-13
47	0.24636	SLV_dreno	Max	-1083.549	-625.36	1.118E-13
47	0.49272	SLV_dreno	Max	-1085.08	-643.168	1.097E-13
47	0.	SLV_dreno	Min	-1082.018	-607.553	1.140E-13
47	0.24636	SLV_dreno	Min	-1083.549	-625.36	1.118E-13
47	0.49272	SLV_dreno	Min	-1085.08	-643.168	1.097E-13
47	0.	SLE_calotta	Max	-1038.9	-588.759	2.837E-14
47	0.24636	SLE_calotta	Max	-1040.261	-604.587	2.643E-14
47	0.49272	SLE_calotta	Max	-1041.622	-620.416	2.449E-14
47	0.	SLE_calotta	Min	-1038.9	-588.759	2.837E-14
47	0.24636	SLE_calotta	Min	-1040.261	-604.587	2.643E-14
47	0.49272	SLE_calotta	Min	-1041.622	-620.416	2.449E-14
47	0.	SLU_calotta	Max	-1350.57	-765.386	2.220E-16
47	0.24636	SLU_calotta	Max	-1352.339	-785.963	-2.298E-15
47	0.49272	SLU_calotta	Max	-1354.108	-806.541	-4.818E-15
47	0.	SLU_calotta	Min	-1350.57	-765.386	2.220E-16
47	0.24636	SLU_calotta	Min	-1352.339	-785.963	-2.298E-15
47	0.49272	SLU_calotta	Min	-1354.108	-806.541	-4.818E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
47	0.	SLV_calotta	Max	-1394.221	-338.87	2.842E-13
47	0.24636	SLV_calotta	Max	-1395.752	-356.677	2.820E-13
47	0.49272	SLV_calotta	Max	-1397.283	-374.484	2.799E-13
47	0.	SLV_calotta	Min	-1394.221	-338.87	2.842E-13
47	0.24636	SLV_calotta	Min	-1395.752	-356.677	2.820E-13
47	0.49272	SLV_calotta	Min	-1397.283	-374.484	2.799E-13
48	0.	SLE_dreno	Max	-840.91	-495.739	1.137E-13
48	0.24636	SLE_dreno	Max	-842.166	-511.885	1.118E-13
48	0.49272	SLE_dreno	Max	-843.421	-528.031	1.098E-13
48	0.	SLE_dreno	Min	-840.91	-495.739	1.137E-13
48	0.24636	SLE_dreno	Min	-842.166	-511.885	1.118E-13
48	0.49272	SLE_dreno	Min	-843.421	-528.031	1.098E-13
48	0.	SLU_dreno	Max	-1093.192	-644.522	4.549E-13
48	0.24636	SLU_dreno	Max	-1094.824	-665.512	4.523E-13
48	0.49272	SLU_dreno	Max	-1096.456	-686.502	4.497E-13
48	0.	SLU_dreno	Min	-1093.192	-644.522	4.549E-13
48	0.24636	SLU_dreno	Min	-1094.824	-665.512	4.523E-13
48	0.49272	SLU_dreno	Min	-1096.456	-686.502	4.497E-13
48	0.	SLV_dreno	Max	-1080.03	-540.237	1.138E-13
48	0.24636	SLV_dreno	Max	-1081.443	-558.402	1.116E-13
48	0.49272	SLV_dreno	Max	-1082.855	-576.566	1.093E-13
48	0.	SLV_dreno	Min	-1080.03	-540.237	1.138E-13
48	0.24636	SLV_dreno	Min	-1081.443	-558.402	1.116E-13
48	0.49272	SLV_dreno	Min	-1082.855	-576.566	1.093E-13
48	0.	SLE_calotta	Max	-1036.934	-527.543	1.421E-14
48	0.24636	SLE_calotta	Max	-1038.189	-543.69	1.223E-14
48	0.49272	SLE_calotta	Max	-1039.445	-559.836	1.026E-14
48	0.	SLE_calotta	Min	-1036.934	-527.543	1.421E-14
48	0.24636	SLE_calotta	Min	-1038.189	-543.69	1.223E-14
48	0.49272	SLE_calotta	Min	-1039.445	-559.836	1.026E-14
48	0.	SLU_calotta	Max	-1348.014	-685.806	0.
48	0.24636	SLU_calotta	Max	-1349.646	-706.796	-2.571E-15
48	0.49272	SLU_calotta	Max	-1351.278	-727.786	-5.141E-15
48	0.	SLU_calotta	Min	-1348.014	-685.806	0.
48	0.24636	SLU_calotta	Min	-1349.646	-706.796	-2.571E-15
48	0.49272	SLU_calotta	Min	-1351.278	-727.786	-5.141E-15
48	0.	SLV_calotta	Max	-1404.586	-295.393	2.847E-13
48	0.24636	SLV_calotta	Max	-1405.998	-313.557	2.824E-13
48	0.49272	SLV_calotta	Max	-1407.41	-331.721	2.802E-13
48	0.	SLV_calotta	Min	-1404.586	-295.393	2.847E-13
48	0.24636	SLV_calotta	Min	-1405.998	-313.557	2.824E-13
48	0.49272	SLV_calotta	Min	-1407.41	-331.721	2.802E-13
49	0.	SLE_dreno	Max	-839.472	-438.919	1.139E-13
49	0.24636	SLE_dreno	Max	-840.621	-455.443	1.119E-13
49	0.49272	SLE_dreno	Max	-841.77	-471.968	1.099E-13
49	0.	SLE_dreno	Min	-839.472	-438.919	1.139E-13
49	0.24636	SLE_dreno	Min	-840.621	-455.443	1.119E-13
49	0.49272	SLE_dreno	Min	-841.77	-471.968	1.099E-13
49	0.	SLU_dreno	Max	-1091.321	-570.65	-4.547E-13
49	0.24636	SLU_dreno	Max	-1092.815	-592.131	-4.574E-13
49	0.49272	SLU_dreno	Max	-1094.309	-613.613	-4.600E-13
49	0.	SLU_dreno	Min	-1091.321	-570.65	-4.547E-13
49	0.24636	SLU_dreno	Min	-1092.815	-592.131	-4.574E-13
49	0.49272	SLU_dreno	Min	-1094.309	-613.613	-4.600E-13
49	0.	SLV_dreno	Max	-1078.364	-474.233	5.707E-14
49	0.24636	SLV_dreno	Max	-1079.657	-492.823	5.479E-14
49	0.49272	SLV_dreno	Max	-1080.95	-511.413	5.251E-14
49	0.	SLV_dreno	Min	-1078.364	-474.233	5.707E-14
49	0.24636	SLV_dreno	Min	-1079.657	-492.823	5.479E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
49	0.49272	SLV_dreno	Min	-1080.95	-511.413	5.251E-14
49	0.	SLE_calotta	Max	-1035.25	-467.274	-2.842E-14
49	0.24636	SLE_calotta	Max	-1036.399	-483.799	-3.045E-14
49	0.49272	SLE_calotta	Max	-1037.548	-500.323	-3.247E-14
49	0.	SLE_calotta	Min	-1035.25	-467.274	-2.842E-14
49	0.24636	SLE_calotta	Min	-1036.399	-483.799	-3.045E-14
49	0.49272	SLE_calotta	Min	-1037.548	-500.323	-3.247E-14
49	0.	SLU_calotta	Max	-1345.825	-607.457	5.679E-14
49	0.24636	SLU_calotta	Max	-1347.318	-628.938	5.416E-14
49	0.49272	SLU_calotta	Max	-1348.812	-650.42	5.153E-14
49	0.	SLU_calotta	Min	-1345.825	-607.457	5.679E-14
49	0.24636	SLU_calotta	Min	-1347.318	-628.938	5.416E-14
49	0.49272	SLU_calotta	Min	-1348.812	-650.42	5.153E-14
49	0.	SLV_calotta	Max	-1414.089	-253.656	2.278E-13
49	0.24636	SLV_calotta	Max	-1415.381	-272.246	2.255E-13
49	0.49272	SLV_calotta	Max	-1416.674	-290.836	2.233E-13
49	0.	SLV_calotta	Min	-1414.089	-253.656	2.278E-13
49	0.24636	SLV_calotta	Min	-1415.381	-272.246	2.255E-13
49	0.49272	SLV_calotta	Min	-1416.674	-290.836	2.233E-13
50	0.	SLE_dreno	Max	-838.278	-383.106	2.276E-13
50	0.24636	SLE_dreno	Max	-839.307	-399.885	2.255E-13
50	0.49272	SLE_dreno	Max	-840.336	-416.664	2.235E-13
50	0.	SLE_dreno	Min	-838.278	-383.106	2.276E-13
50	0.24636	SLE_dreno	Min	-839.307	-399.885	2.255E-13
50	0.49272	SLE_dreno	Min	-840.336	-416.664	2.235E-13
50	0.	SLU_dreno	Max	-1089.769	-498.086	-4.544E-13
50	0.24636	SLU_dreno	Max	-1091.107	-519.899	-4.571E-13
50	0.49272	SLU_dreno	Max	-1092.445	-541.711	-4.598E-13
50	0.	SLU_dreno	Min	-1089.769	-498.086	-4.544E-13
50	0.24636	SLU_dreno	Min	-1091.107	-519.899	-4.571E-13
50	0.49272	SLU_dreno	Min	-1092.445	-541.711	-4.598E-13
50	0.	SLV_dreno	Max	-1077.008	-409.649	1.710E-13
50	0.24636	SLV_dreno	Max	-1078.166	-428.525	1.687E-13
50	0.49272	SLV_dreno	Max	-1079.324	-447.401	1.664E-13
50	0.	SLV_dreno	Min	-1077.008	-409.649	1.710E-13
50	0.24636	SLV_dreno	Min	-1078.166	-428.525	1.687E-13
50	0.49272	SLV_dreno	Min	-1079.324	-447.401	1.664E-13
50	0.	SLE_calotta	Max	-1033.838	-408.045	8.535E-14
50	0.24636	SLE_calotta	Max	-1034.867	-424.824	8.329E-14
50	0.49272	SLE_calotta	Max	-1035.897	-441.603	8.124E-14
50	0.	SLE_calotta	Min	-1033.838	-408.045	8.535E-14
50	0.24636	SLE_calotta	Min	-1034.867	-424.824	8.329E-14
50	0.49272	SLE_calotta	Min	-1035.897	-441.603	8.124E-14
50	0.	SLU_calotta	Max	-1343.989	-530.458	8.560E-14
50	0.24636	SLU_calotta	Max	-1345.327	-552.271	8.293E-14
50	0.49272	SLU_calotta	Max	-1346.665	-574.084	8.026E-14
50	0.	SLU_calotta	Min	-1343.989	-530.458	8.560E-14
50	0.24636	SLU_calotta	Min	-1345.327	-552.271	8.293E-14
50	0.49272	SLU_calotta	Min	-1346.665	-574.084	8.026E-14
50	0.	SLV_calotta	Max	-1422.703	-213.73	4.550E-13
50	0.24636	SLV_calotta	Max	-1423.86	-232.607	4.527E-13
50	0.49272	SLV_calotta	Max	-1425.018	-251.483	4.503E-13
50	0.	SLV_calotta	Min	-1422.703	-213.73	4.550E-13
50	0.24636	SLV_calotta	Min	-1423.86	-232.607	4.527E-13
50	0.49272	SLV_calotta	Min	-1425.018	-251.483	4.503E-13
51	0.	SLE_dreno	Max	-837.294	-328.025	1.706E-13
51	0.24636	SLE_dreno	Max	-838.2	-345.058	1.686E-13
51	0.49272	SLE_dreno	Max	-839.105	-362.091	1.665E-13
51	0.	SLE_dreno	Min	-837.294	-328.025	1.706E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
51	0.24636	SLE_dreno	Min	-838.2	-345.058	1.686E-13
51	0.49272	SLE_dreno	Min	-839.105	-362.091	1.665E-13
51	0.	SLU_dreno	Max	-1088.49	-426.475	9.097E-13
51	0.24636	SLU_dreno	Max	-1089.667	-448.617	9.070E-13
51	0.49272	SLU_dreno	Max	-1090.844	-470.76	9.043E-13
51	0.	SLU_dreno	Min	-1088.49	-426.475	9.097E-13
51	0.24636	SLU_dreno	Min	-1089.667	-448.617	9.070E-13
51	0.49272	SLU_dreno	Min	-1090.844	-470.76	9.043E-13
51	0.	SLV_dreno	Max	-1075.923	-346.177	2.282E-13
51	0.24636	SLV_dreno	Max	-1076.941	-365.339	2.258E-13
51	0.49272	SLV_dreno	Max	-1077.96	-384.5	2.235E-13
51	0.	SLV_dreno	Min	-1075.923	-346.177	2.282E-13
51	0.24636	SLV_dreno	Min	-1076.941	-365.339	2.258E-13
51	0.49272	SLV_dreno	Min	-1077.96	-384.5	2.235E-13
51	0.	SLE_calotta	Max	-1032.665	-349.578	5.690E-14
51	0.24636	SLE_calotta	Max	-1033.57	-366.611	5.481E-14
51	0.49272	SLE_calotta	Max	-1034.475	-383.643	5.273E-14
51	0.	SLE_calotta	Min	-1032.665	-349.578	5.690E-14
51	0.24636	SLE_calotta	Min	-1033.57	-366.611	5.481E-14
51	0.49272	SLE_calotta	Min	-1034.475	-383.643	5.273E-14
51	0.	SLU_calotta	Max	-1342.464	-454.451	5.690E-14
51	0.24636	SLU_calotta	Max	-1343.641	-476.594	5.419E-14
51	0.49272	SLU_calotta	Max	-1344.818	-498.736	5.148E-14
51	0.	SLU_calotta	Min	-1342.464	-454.451	5.690E-14
51	0.24636	SLU_calotta	Min	-1343.641	-476.594	5.419E-14
51	0.49272	SLU_calotta	Min	-1344.818	-498.736	5.148E-14
51	0.	SLV_calotta	Max	-1430.375	-175.267	3.415E-13
51	0.24636	SLV_calotta	Max	-1431.393	-194.429	3.392E-13
51	0.49272	SLV_calotta	Max	-1432.411	-213.591	3.368E-13
51	0.	SLV_calotta	Min	-1430.375	-175.267	3.415E-13
51	0.24636	SLV_calotta	Min	-1431.393	-194.429	3.392E-13
51	0.49272	SLV_calotta	Min	-1432.411	-213.591	3.368E-13
52	0.	SLE_dreno	Max	-836.508	-273.647	1.706E-13
52	0.24636	SLE_dreno	Max	-837.283	-290.871	1.685E-13
52	0.49272	SLE_dreno	Max	-838.057	-308.096	1.664E-13
52	0.	SLE_dreno	Min	-836.508	-273.647	1.706E-13
52	0.24636	SLE_dreno	Min	-837.283	-290.871	1.685E-13
52	0.49272	SLE_dreno	Min	-838.057	-308.096	1.664E-13
52	0.	SLU_dreno	Max	-1087.468	-355.777	4.547E-13
52	0.24636	SLU_dreno	Max	-1088.474	-378.168	4.520E-13
52	0.49272	SLU_dreno	Max	-1089.481	-400.56	4.493E-13
52	0.	SLU_dreno	Min	-1087.468	-355.777	4.547E-13
52	0.24636	SLU_dreno	Min	-1088.474	-378.168	4.520E-13
52	0.49272	SLU_dreno	Min	-1089.481	-400.56	4.493E-13
52	0.	SLV_dreno	Max	-1075.091	-283.784	-2.220E-16
52	0.24636	SLV_dreno	Max	-1075.962	-303.161	-2.595E-15
52	0.49272	SLV_dreno	Max	-1076.834	-322.539	-4.968E-15
52	0.	SLV_dreno	Min	-1075.091	-283.784	-2.220E-16
52	0.24636	SLV_dreno	Min	-1075.962	-303.161	-2.595E-15
52	0.49272	SLV_dreno	Min	-1076.834	-322.539	-4.968E-15
52	0.	SLE_calotta	Max	-1031.716	-291.839	0.
52	0.24636	SLE_calotta	Max	-1032.49	-309.063	-2.109E-15
52	0.49272	SLE_calotta	Max	-1033.265	-326.287	-4.219E-15
52	0.	SLE_calotta	Min	-1031.716	-291.839	0.
52	0.24636	SLE_calotta	Min	-1032.49	-309.063	-2.109E-15
52	0.49272	SLE_calotta	Min	-1033.265	-326.287	-4.219E-15
52	0.	SLU_calotta	Max	-1341.231	-379.391	1.110E-16
52	0.24636	SLU_calotta	Max	-1342.237	-401.782	-2.631E-15
52	0.49272	SLU_calotta	Max	-1343.244	-424.173	-5.373E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
52	0.	SLU_calotta	Min	-1341.231	-379.391	1.110E-16
52	0.24636	SLU_calotta	Min	-1342.237	-401.782	-2.631E-15
52	0.49272	SLU_calotta	Min	-1343.244	-424.173	-5.373E-15
52	0.	SLV_calotta	Max	-1437.075	-138.196	3.413E-13
52	0.24636	SLV_calotta	Max	-1437.947	-157.574	3.389E-13
52	0.49272	SLV_calotta	Max	-1438.818	-176.951	3.365E-13
52	0.	SLV_calotta	Min	-1437.075	-138.196	3.413E-13
52	0.24636	SLV_calotta	Min	-1437.947	-157.574	3.389E-13
52	0.49272	SLV_calotta	Min	-1438.818	-176.951	3.365E-13
53	0.	SLE_dreno	Max	-835.901	-219.818	-5.673E-14
53	0.24636	SLE_dreno	Max	-836.541	-237.232	-5.887E-14
53	0.49272	SLE_dreno	Max	-837.182	-254.647	-6.100E-14
53	0.	SLE_dreno	Min	-835.901	-219.818	-5.673E-14
53	0.24636	SLE_dreno	Min	-836.541	-237.232	-5.887E-14
53	0.49272	SLE_dreno	Min	-837.182	-254.647	-6.100E-14
53	0.	SLU_dreno	Max	-1086.678	-285.792	2.220E-16
53	0.24636	SLU_dreno	Max	-1087.51	-308.43	-2.550E-15
53	0.49272	SLU_dreno	Max	-1088.343	-331.069	-5.323E-15
53	0.	SLU_dreno	Min	-1086.678	-285.792	2.220E-16
53	0.24636	SLU_dreno	Min	-1087.51	-308.43	-2.550E-15
53	0.49272	SLU_dreno	Min	-1088.343	-331.069	-5.323E-15
53	0.	SLV_dreno	Max	-1074.491	-222.3	2.220E-16
53	0.24636	SLV_dreno	Max	-1075.212	-241.891	-2.177E-15
53	0.49272	SLV_dreno	Max	-1075.932	-261.482	-4.576E-15
53	0.	SLV_dreno	Min	-1074.491	-222.3	2.220E-16
53	0.24636	SLV_dreno	Min	-1075.212	-241.891	-2.177E-15
53	0.49272	SLV_dreno	Min	-1075.932	-261.482	-4.576E-15
53	0.	SLE_calotta	Max	-1030.974	-234.671	-2.848E-14
53	0.24636	SLE_calotta	Max	-1031.614	-252.085	-3.061E-14
53	0.49272	SLE_calotta	Max	-1032.255	-269.5	-3.274E-14
53	0.	SLE_calotta	Min	-1030.974	-234.671	-2.848E-14
53	0.24636	SLE_calotta	Min	-1031.614	-252.085	-3.061E-14
53	0.49272	SLE_calotta	Min	-1032.255	-269.5	-3.274E-14
53	0.	SLU_calotta	Max	-1340.266	-305.072	-2.870E-14
53	0.24636	SLU_calotta	Max	-1341.098	-327.711	-3.147E-14
53	0.49272	SLU_calotta	Max	-1341.931	-350.35	-3.424E-14
53	0.	SLU_calotta	Min	-1340.266	-305.072	-2.870E-14
53	0.24636	SLU_calotta	Min	-1341.098	-327.711	-3.147E-14
53	0.49272	SLU_calotta	Min	-1341.931	-350.35	-3.424E-14
53	0.	SLV_calotta	Max	-1442.773	-102.306	-1.137E-13
53	0.24636	SLV_calotta	Max	-1443.494	-121.897	-1.161E-13
53	0.49272	SLV_calotta	Max	-1444.214	-141.489	-1.185E-13
53	0.	SLV_calotta	Min	-1442.773	-102.306	-1.137E-13
53	0.24636	SLV_calotta	Min	-1443.494	-121.897	-1.161E-13
53	0.49272	SLV_calotta	Min	-1444.214	-141.489	-1.185E-13
54	0.	SLE_dreno	Max	-835.461	-166.504	0.
54	0.24636	SLE_dreno	Max	-835.963	-184.047	-2.148E-15
54	0.49272	SLE_dreno	Max	-836.465	-201.589	-4.297E-15
54	0.	SLE_dreno	Min	-835.461	-166.504	0.
54	0.24636	SLE_dreno	Min	-835.963	-184.047	-2.148E-15
54	0.49272	SLE_dreno	Min	-836.465	-201.589	-4.297E-15
54	0.	SLU_dreno	Max	-1086.107	-216.478	0.
54	0.24636	SLU_dreno	Max	-1086.759	-239.283	-2.793E-15
54	0.49272	SLU_dreno	Max	-1087.411	-262.088	-5.586E-15
54	0.	SLU_dreno	Min	-1086.107	-216.478	0.
54	0.24636	SLU_dreno	Min	-1086.759	-239.283	-2.793E-15
54	0.49272	SLU_dreno	Min	-1087.411	-262.088	-5.586E-15
54	0.	SLV_dreno	Max	-1074.11	-161.689	-5.684E-14
54	0.24636	SLV_dreno	Max	-1074.674	-181.424	-5.926E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
54	0.49272	SLV_dreno	Max	-1075.239	-201.159	-6.168E-14
54	0.	SLV_dreno	Min	-1074.11	-161.689	-5.684E-14
54	0.24636	SLV_dreno	Min	-1074.674	-181.424	-5.926E-14
54	0.49272	SLV_dreno	Min	-1075.239	-201.159	-6.168E-14
54	0.	SLE_calotta	Max	-1030.427	-178.038	0.
54	0.24636	SLE_calotta	Max	-1030.928	-195.58	-2.148E-15
54	0.49272	SLE_calotta	Max	-1031.43	-213.122	-4.297E-15
54	0.	SLE_calotta	Min	-1030.427	-178.038	0.
54	0.24636	SLE_calotta	Min	-1030.928	-195.58	-2.148E-15
54	0.49272	SLE_calotta	Min	-1031.43	-213.122	-4.297E-15
54	0.	SLU_calotta	Max	-1339.555	-231.449	-8.532E-14
54	0.24636	SLU_calotta	Max	-1340.207	-254.254	-8.811E-14
54	0.49272	SLU_calotta	Max	-1340.859	-277.059	-9.091E-14
54	0.	SLU_calotta	Min	-1339.555	-231.449	-8.532E-14
54	0.24636	SLU_calotta	Min	-1340.207	-254.254	-8.811E-14
54	0.49272	SLU_calotta	Min	-1340.859	-277.059	-9.091E-14
54	0.	SLV_calotta	Max	-1447.445	-67.523	-1.135E-13
54	0.24636	SLV_calotta	Max	-1448.009	-87.258	-1.159E-13
54	0.49272	SLV_calotta	Max	-1448.573	-106.993	-1.183E-13
54	0.	SLV_calotta	Min	-1447.445	-67.523	-1.135E-13
54	0.24636	SLV_calotta	Min	-1448.009	-87.258	-1.159E-13
54	0.49272	SLV_calotta	Min	-1448.573	-106.993	-1.183E-13
55	0.	SLE_dreno	Max	-835.178	-113.553	-5.673E-14
55	0.24636	SLE_dreno	Max	-835.539	-131.222	-5.890E-14
55	0.49272	SLE_dreno	Max	-835.899	-148.891	-6.106E-14
55	0.	SLE_dreno	Min	-835.178	-113.553	-5.673E-14
55	0.24636	SLE_dreno	Min	-835.539	-131.222	-5.890E-14
55	0.49272	SLE_dreno	Min	-835.899	-148.891	-6.106E-14
55	0.	SLU_dreno	Max	-1085.737	-147.635	-9.094E-13
55	0.24636	SLU_dreno	Max	-1086.207	-170.604	-9.122E-13
55	0.49272	SLU_dreno	Max	-1086.676	-193.574	-9.150E-13
55	0.	SLU_dreno	Min	-1085.737	-147.635	-9.094E-13
55	0.24636	SLU_dreno	Min	-1086.207	-170.604	-9.122E-13
55	0.49272	SLU_dreno	Min	-1086.676	-193.574	-9.150E-13
55	0.	SLV_dreno	Max	-1073.93	-101.779	-5.684E-14
55	0.24636	SLV_dreno	Max	-1074.336	-121.657	-5.928E-14
55	0.49272	SLV_dreno	Max	-1074.742	-141.534	-6.171E-14
55	0.	SLV_dreno	Min	-1073.93	-101.779	-5.684E-14
55	0.24636	SLV_dreno	Min	-1074.336	-121.657	-5.928E-14
55	0.49272	SLV_dreno	Min	-1074.742	-141.534	-6.171E-14
55	0.	SLE_calotta	Max	-1030.063	-121.78	1.110E-16
55	0.24636	SLE_calotta	Max	-1030.423	-139.449	-2.053E-15
55	0.49272	SLE_calotta	Max	-1030.784	-157.118	-4.217E-15
55	0.	SLE_calotta	Min	-1030.063	-121.78	1.110E-16
55	0.24636	SLE_calotta	Min	-1030.423	-139.449	-2.053E-15
55	0.49272	SLE_calotta	Min	-1030.784	-157.118	-4.217E-15
55	0.	SLU_calotta	Max	-1339.081	-158.314	-1.110E-16
55	0.24636	SLU_calotta	Max	-1339.55	-181.284	-2.924E-15
55	0.49272	SLU_calotta	Max	-1340.019	-204.253	-5.737E-15
55	0.	SLU_calotta	Min	-1339.081	-158.314	-1.110E-16
55	0.24636	SLU_calotta	Min	-1339.55	-181.284	-2.924E-15
55	0.49272	SLU_calotta	Min	-1340.019	-204.253	-5.737E-15
55	0.	SLV_calotta	Max	-1451.067	-33.637	0.
55	0.24636	SLV_calotta	Max	-1451.473	-53.514	-2.434E-15
55	0.49272	SLV_calotta	Max	-1451.879	-73.392	-4.869E-15
55	0.	SLV_calotta	Min	-1451.067	-33.637	0.
55	0.24636	SLV_calotta	Min	-1451.473	-53.514	-2.434E-15
55	0.49272	SLV_calotta	Min	-1451.879	-73.392	-4.869E-15
56	0.	SLE_dreno	Max	-835.042	-60.93	1.706E-13



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
56	0.24636	SLE_dreno	Max	-835.26	-78.663	1.685E-13
56	0.49272	SLE_dreno	Max	-835.477	-96.396	1.663E-13
56	0.	SLE_dreno	Min	-835.042	-60.93	1.706E-13
56	0.24636	SLE_dreno	Min	-835.26	-78.663	1.685E-13
56	0.49272	SLE_dreno	Min	-835.477	-96.396	1.663E-13
56	0.	SLU_dreno	Max	-1085.562	-79.219	-9.095E-13
56	0.24636	SLU_dreno	Max	-1085.844	-102.272	-9.123E-13
56	0.49272	SLU_dreno	Max	-1086.127	-125.324	-9.151E-13
56	0.	SLU_dreno	Min	-1085.562	-79.219	-9.095E-13
56	0.24636	SLU_dreno	Min	-1085.844	-102.272	-9.123E-13
56	0.49272	SLU_dreno	Min	-1086.127	-125.324	-9.151E-13
56	0.	SLV_dreno	Max	-1073.943	-42.536	1.144E-13
56	0.24636	SLV_dreno	Max	-1074.188	-62.485	1.119E-13
56	0.49272	SLV_dreno	Max	-1074.432	-82.435	1.095E-13
56	0.	SLV_dreno	Min	-1073.943	-42.536	1.144E-13
56	0.24636	SLV_dreno	Min	-1074.188	-62.485	1.119E-13
56	0.49272	SLV_dreno	Min	-1074.432	-82.435	1.095E-13
56	0.	SLE_calotta	Max	-1029.874	-65.863	5.679E-14
56	0.24636	SLE_calotta	Max	-1030.091	-83.595	5.462E-14
56	0.49272	SLE_calotta	Max	-1030.308	-101.328	5.244E-14
56	0.	SLE_calotta	Min	-1029.874	-65.863	5.679E-14
56	0.24636	SLE_calotta	Min	-1030.091	-83.595	5.462E-14
56	0.49272	SLE_calotta	Min	-1030.308	-101.328	5.244E-14
56	0.	SLU_calotta	Max	-1338.836	-85.621	2.220E-16
56	0.24636	SLU_calotta	Max	-1339.118	-108.674	-2.601E-15
56	0.49272	SLU_calotta	Max	-1339.401	-131.727	-5.424E-15
56	0.	SLU_calotta	Min	-1338.836	-85.621	2.220E-16
56	0.24636	SLU_calotta	Min	-1339.118	-108.674	-2.601E-15
56	0.49272	SLU_calotta	Min	-1339.401	-131.727	-5.424E-15
56	0.	SLV_calotta	Max	-1453.625	-0.572	2.283E-13
56	0.24636	SLV_calotta	Max	-1453.869	-20.521	2.258E-13
56	0.49272	SLV_calotta	Max	-1454.113	-40.471	2.234E-13
56	0.	SLV_calotta	Min	-1453.625	-0.572	2.283E-13
56	0.24636	SLV_calotta	Min	-1453.869	-20.521	2.258E-13
56	0.49272	SLV_calotta	Min	-1454.113	-40.471	2.234E-13
57	0.	SLE_dreno	Max	-835.049	-8.482	2.220E-16
57	0.49272	SLE_dreno	Max	-835.193	-43.949	-4.122E-15
57	0.	SLE_dreno	Min	-835.049	-8.482	2.220E-16
57	0.49272	SLE_dreno	Min	-835.193	-43.949	-4.122E-15
57	0.	SLU_dreno	Max	-1085.569	-11.029	1.819E-12
57	0.49272	SLU_dreno	Max	-1085.758	-57.138	1.813E-12
57	0.	SLU_dreno	Min	-1085.569	-11.029	1.819E-12
57	0.49272	SLU_dreno	Min	-1085.758	-57.138	1.813E-12
57	0.	SLV_dreno	Max	-1074.138	16.213	-1.138E-13
57	0.49272	SLV_dreno	Max	-1074.301	-23.688	-1.187E-13
57	0.	SLV_dreno	Min	-1074.138	16.213	-1.138E-13
57	0.49272	SLV_dreno	Min	-1074.301	-23.688	-1.187E-13
57	0.	SLE_calotta	Max	-1029.852	-10.125	-2.831E-14
57	0.49272	SLE_calotta	Max	-1029.997	-45.593	-3.265E-14
57	0.	SLE_calotta	Min	-1029.852	-10.125	-2.831E-14
57	0.49272	SLE_calotta	Min	-1029.997	-45.593	-3.265E-14
57	0.	SLU_calotta	Max	-1338.808	-13.162	-5.690E-14
57	0.49272	SLU_calotta	Max	-1338.996	-59.271	-6.255E-14
57	0.	SLU_calotta	Min	-1338.808	-13.162	-5.690E-14
57	0.49272	SLU_calotta	Min	-1338.996	-59.271	-6.255E-14
57	0.	SLV_calotta	Max	-1455.103	31.883	-1.132E-13
57	0.49272	SLV_calotta	Max	-1455.266	-8.018	-1.181E-13
57	0.	SLV_calotta	Min	-1455.103	31.883	-1.132E-13
57	0.49272	SLV_calotta	Min	-1455.266	-8.018	-1.181E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
58	0.	SLE_dreno	Max	-835.193	43.95	-1.709E-13
58	0.49272	SLE_dreno	Max	-835.049	8.482	-1.752E-13
58	0.	SLE_dreno	Min	-835.193	43.95	-1.709E-13
58	0.49272	SLE_dreno	Min	-835.049	8.482	-1.752E-13
58	0.	SLU_dreno	Max	-1085.758	57.138	-1.819E-12
58	0.49272	SLU_dreno	Max	-1085.569	11.029	-1.825E-12
58	0.	SLU_dreno	Min	-1085.758	57.138	-1.819E-12
58	0.49272	SLU_dreno	Min	-1085.569	11.029	-1.825E-12
58	0.	SLV_dreno	Max	-1074.498	74.641	-2.280E-13
58	0.49272	SLV_dreno	Max	-1074.335	34.74	-2.329E-13
58	0.	SLV_dreno	Min	-1074.498	74.641	-2.280E-13
58	0.49272	SLV_dreno	Min	-1074.335	34.74	-2.329E-13
58	0.	SLE_calotta	Max	-1029.997	45.593	-8.538E-14
58	0.49272	SLE_calotta	Max	-1029.852	10.125	-8.972E-14
58	0.	SLE_calotta	Min	-1029.997	45.593	-8.538E-14
58	0.49272	SLE_calotta	Min	-1029.852	10.125	-8.972E-14
58	0.	SLU_calotta	Max	-1338.996	59.271	-5.718E-14
58	0.49272	SLU_calotta	Max	-1338.808	13.162	-6.282E-14
58	0.	SLU_calotta	Min	-1338.996	59.271	-5.718E-14
58	0.49272	SLU_calotta	Min	-1338.808	13.162	-6.282E-14
58	0.	SLV_calotta	Max	-1455.421	63.941	-4.556E-13
58	0.49272	SLV_calotta	Max	-1455.258	24.04	-4.605E-13
58	0.	SLV_calotta	Min	-1455.421	63.941	-4.556E-13
58	0.49272	SLV_calotta	Min	-1455.258	24.04	-4.605E-13
59	0.	SLE_dreno	Max	-835.477	96.396	-3.981E-13
59	0.24636	SLE_dreno	Max	-835.26	78.663	-4.003E-13
59	0.49272	SLE_dreno	Max	-835.042	60.93	-4.025E-13
59	0.	SLE_dreno	Min	-835.477	96.396	-3.981E-13
59	0.24636	SLE_dreno	Min	-835.26	78.663	-4.003E-13
59	0.49272	SLE_dreno	Min	-835.042	60.93	-4.025E-13
59	0.	SLU_dreno	Max	-1086.127	125.324	-9.099E-13
59	0.24636	SLU_dreno	Max	-1085.844	102.272	-9.128E-13
59	0.49272	SLU_dreno	Max	-1085.562	79.219	-9.156E-13
59	0.	SLU_dreno	Min	-1086.127	125.324	-9.099E-13
59	0.24636	SLU_dreno	Min	-1085.844	102.272	-9.128E-13
59	0.49272	SLU_dreno	Min	-1085.562	79.219	-9.156E-13
59	0.	SLV_dreno	Max	-1074.996	132.783	-3.424E-13
59	0.24636	SLV_dreno	Max	-1074.752	112.834	-3.448E-13
59	0.49272	SLV_dreno	Max	-1074.507	92.885	-3.473E-13
59	0.	SLV_dreno	Min	-1074.996	132.783	-3.424E-13
59	0.24636	SLV_dreno	Min	-1074.752	112.834	-3.448E-13
59	0.49272	SLV_dreno	Min	-1074.507	92.885	-3.473E-13
59	0.	SLE_calotta	Max	-1030.308	101.328	-1.706E-13
59	0.24636	SLE_calotta	Max	-1030.091	83.595	-1.728E-13
59	0.49272	SLE_calotta	Max	-1029.874	65.863	-1.750E-13
59	0.	SLE_calotta	Min	-1030.308	101.328	-1.706E-13
59	0.24636	SLE_calotta	Min	-1030.091	83.595	-1.728E-13
59	0.49272	SLE_calotta	Min	-1029.874	65.863	-1.750E-13
59	0.	SLU_calotta	Max	-1339.401	131.727	-1.711E-13
59	0.24636	SLU_calotta	Max	-1339.118	108.674	-1.739E-13
59	0.49272	SLU_calotta	Max	-1338.836	85.621	-1.767E-13
59	0.	SLU_calotta	Min	-1339.401	131.727	-1.711E-13
59	0.24636	SLU_calotta	Min	-1339.118	108.674	-1.739E-13
59	0.49272	SLU_calotta	Min	-1338.836	85.621	-1.767E-13
59	0.	SLV_calotta	Max	-1454.428	95.679	-6.830E-13
59	0.24636	SLV_calotta	Max	-1454.184	75.73	-6.855E-13
59	0.49272	SLV_calotta	Max	-1453.939	55.78	-6.879E-13
59	0.	SLV_calotta	Min	-1454.428	95.679	-6.830E-13
59	0.24636	SLV_calotta	Min	-1454.184	75.73	-6.855E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
59	0.49272	SLV_calotta	Min	-1453.939	55.78	-6.879E-13
60	0.	SLE_dreno	Max	-835.899	148.891	-1.712E-13
60	0.24636	SLE_dreno	Max	-835.539	131.222	-1.734E-13
60	0.49272	SLE_dreno	Max	-835.178	113.553	-1.755E-13
60	0.	SLE_dreno	Min	-835.899	148.891	-1.712E-13
60	0.24636	SLE_dreno	Min	-835.539	131.222	-1.734E-13
60	0.49272	SLE_dreno	Min	-835.178	113.553	-1.755E-13
60	0.	SLU_dreno	Max	-1086.676	193.574	0.
60	0.24636	SLU_dreno	Max	-1086.207	170.604	-2.813E-15
60	0.49272	SLU_dreno	Max	-1085.737	147.635	-5.626E-15
60	0.	SLU_dreno	Min	-1086.676	193.574	0.
60	0.24636	SLU_dreno	Min	-1086.207	170.604	-2.813E-15
60	0.49272	SLU_dreno	Min	-1085.737	147.635	-5.626E-15
60	0.	SLV_dreno	Max	-1075.618	190.675	-3.415E-13
60	0.24636	SLV_dreno	Max	-1075.212	170.797	-3.439E-13
60	0.49272	SLV_dreno	Max	-1074.806	150.92	-3.464E-13
60	0.	SLV_dreno	Min	-1075.618	190.675	-3.415E-13
60	0.24636	SLV_dreno	Min	-1075.212	170.797	-3.439E-13
60	0.49272	SLV_dreno	Min	-1074.806	150.92	-3.464E-13
60	0.	SLE_calotta	Max	-1030.784	157.118	-1.137E-13
60	0.24636	SLE_calotta	Max	-1030.423	139.449	-1.159E-13
60	0.49272	SLE_calotta	Max	-1030.063	121.78	-1.181E-13
60	0.	SLE_calotta	Min	-1030.784	157.118	-1.137E-13
60	0.24636	SLE_calotta	Min	-1030.423	139.449	-1.159E-13
60	0.49272	SLE_calotta	Min	-1030.063	121.78	-1.181E-13
60	0.	SLU_calotta	Max	-1340.019	204.253	-1.710E-13
60	0.24636	SLU_calotta	Max	-1339.55	181.284	-1.738E-13
60	0.49272	SLU_calotta	Max	-1339.081	158.314	-1.767E-13
60	0.	SLU_calotta	Min	-1340.019	204.253	-1.710E-13
60	0.24636	SLU_calotta	Min	-1339.55	181.284	-1.738E-13
60	0.49272	SLU_calotta	Min	-1339.081	158.314	-1.767E-13
60	0.	SLV_calotta	Max	-1452.047	127.178	-6.821E-13
60	0.24636	SLV_calotta	Max	-1451.641	107.3	-6.846E-13
60	0.49272	SLV_calotta	Max	-1451.235	87.423	-6.870E-13
60	0.	SLV_calotta	Min	-1452.047	127.178	-6.821E-13
60	0.24636	SLV_calotta	Min	-1451.641	107.3	-6.846E-13
60	0.49272	SLV_calotta	Min	-1451.235	87.423	-6.870E-13
61	0.	SLE_dreno	Max	-836.465	201.589	-1.137E-13
61	0.24636	SLE_dreno	Max	-835.963	184.047	-1.158E-13
61	0.49272	SLE_dreno	Max	-835.461	166.505	-1.180E-13
61	0.	SLE_dreno	Min	-836.465	201.589	-1.137E-13
61	0.24636	SLE_dreno	Min	-835.963	184.047	-1.158E-13
61	0.49272	SLE_dreno	Min	-835.461	166.505	-1.180E-13
61	0.	SLU_dreno	Max	-1087.411	262.088	-2.220E-16
61	0.24636	SLU_dreno	Max	-1086.759	239.283	-3.015E-15
61	0.49272	SLU_dreno	Max	-1086.107	216.478	-5.808E-15
61	0.	SLU_dreno	Min	-1087.411	262.088	-2.220E-16
61	0.24636	SLU_dreno	Min	-1086.759	239.283	-3.015E-15
61	0.49272	SLU_dreno	Min	-1086.107	216.478	-5.808E-15
61	0.	SLV_dreno	Max	-1076.366	248.489	-2.285E-13
61	0.24636	SLV_dreno	Max	-1075.802	228.754	-2.309E-13
61	0.49272	SLV_dreno	Max	-1075.238	209.019	-2.333E-13
61	0.	SLV_dreno	Min	-1076.366	248.489	-2.285E-13
61	0.24636	SLV_dreno	Min	-1075.802	228.754	-2.309E-13
61	0.49272	SLV_dreno	Min	-1075.238	209.019	-2.333E-13
61	0.	SLE_calotta	Max	-1031.43	213.122	-5.690E-14
61	0.24636	SLE_calotta	Max	-1030.928	195.58	-5.905E-14
61	0.49272	SLE_calotta	Max	-1030.427	178.037	-6.120E-14
61	0.	SLE_calotta	Min	-1031.43	213.122	-5.690E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
61	0.24636	SLE_calotta	Min	-1030.928	195.58	-5.905E-14
61	0.49272	SLE_calotta	Min	-1030.427	178.037	-6.120E-14
61	0.	SLU_calotta	Max	-1340.859	277.059	-1.139E-13
61	0.24636	SLU_calotta	Max	-1340.207	254.254	-1.167E-13
61	0.49272	SLU_calotta	Max	-1339.555	231.449	-1.195E-13
61	0.	SLU_calotta	Min	-1340.859	277.059	-1.139E-13
61	0.24636	SLU_calotta	Min	-1340.207	254.254	-1.167E-13
61	0.49272	SLU_calotta	Min	-1339.555	231.449	-1.195E-13
61	0.	SLV_calotta	Max	-1448.285	158.656	-3.419E-13
61	0.24636	SLV_calotta	Max	-1447.72	138.921	-3.444E-13
61	0.49272	SLV_calotta	Max	-1447.156	119.186	-3.468E-13
61	0.	SLV_calotta	Min	-1448.285	158.656	-3.419E-13
61	0.24636	SLV_calotta	Min	-1447.72	138.921	-3.444E-13
61	0.49272	SLV_calotta	Min	-1447.156	119.186	-3.468E-13
62	0.	SLE_dreno	Max	-837.182	254.647	-1.137E-13
62	0.24636	SLE_dreno	Max	-836.541	237.232	-1.158E-13
62	0.49272	SLE_dreno	Max	-835.901	219.818	-1.180E-13
62	0.	SLE_dreno	Min	-837.182	254.647	-1.137E-13
62	0.24636	SLE_dreno	Min	-836.541	237.232	-1.158E-13
62	0.49272	SLE_dreno	Min	-835.901	219.818	-1.180E-13
62	0.	SLU_dreno	Max	-1088.343	331.069	0.
62	0.24636	SLU_dreno	Max	-1087.51	308.43	-2.772E-15
62	0.49272	SLU_dreno	Max	-1086.678	285.792	-5.545E-15
62	0.	SLU_dreno	Min	-1088.343	331.069	0.
62	0.24636	SLU_dreno	Min	-1087.51	308.43	-2.772E-15
62	0.49272	SLU_dreno	Min	-1086.678	285.792	-5.545E-15
62	0.	SLV_dreno	Max	-1077.249	306.398	2.220E-16
62	0.24636	SLV_dreno	Max	-1076.528	286.807	-2.177E-15
62	0.49272	SLV_dreno	Max	-1075.808	267.216	-4.576E-15
62	0.	SLV_dreno	Min	-1077.249	306.398	2.220E-16
62	0.24636	SLV_dreno	Min	-1076.528	286.807	-2.177E-15
62	0.49272	SLV_dreno	Min	-1075.808	267.216	-4.576E-15
62	0.	SLE_calotta	Max	-1032.255	269.5	5.551E-17
62	0.24636	SLE_calotta	Max	-1031.614	252.085	-2.077E-15
62	0.49272	SLE_calotta	Max	-1030.974	234.671	-4.210E-15
62	0.	SLE_calotta	Min	-1032.255	269.5	5.551E-17
62	0.24636	SLE_calotta	Min	-1031.614	252.085	-2.077E-15
62	0.49272	SLE_calotta	Min	-1030.974	234.671	-4.210E-15
62	0.	SLU_calotta	Max	-1341.931	350.35	1.138E-13
62	0.24636	SLU_calotta	Max	-1341.098	327.711	1.110E-13
62	0.49272	SLU_calotta	Max	-1340.266	305.072	1.083E-13
62	0.	SLU_calotta	Min	-1341.931	350.35	1.138E-13
62	0.24636	SLU_calotta	Min	-1341.098	327.711	1.110E-13
62	0.49272	SLU_calotta	Min	-1340.266	305.072	1.083E-13
62	0.	SLV_calotta	Max	-1443.154	190.331	-1.141E-13
62	0.24636	SLV_calotta	Max	-1442.433	170.739	-1.165E-13
62	0.49272	SLV_calotta	Max	-1441.713	151.148	-1.189E-13
62	0.	SLV_calotta	Min	-1443.154	190.331	-1.141E-13
62	0.24636	SLV_calotta	Min	-1442.433	170.739	-1.165E-13
62	0.49272	SLV_calotta	Min	-1441.713	151.148	-1.189E-13
63	0.	SLE_dreno	Max	-838.057	308.096	1.136E-13
63	0.24636	SLE_dreno	Max	-837.283	290.872	1.115E-13
63	0.49272	SLE_dreno	Max	-836.508	273.647	1.094E-13
63	0.	SLE_dreno	Min	-838.057	308.096	1.136E-13
63	0.24636	SLE_dreno	Min	-837.283	290.872	1.115E-13
63	0.49272	SLE_dreno	Min	-836.508	273.647	1.094E-13
63	0.	SLU_dreno	Max	-1089.481	400.56	-9.095E-13
63	0.24636	SLU_dreno	Max	-1088.474	378.168	-9.122E-13
63	0.49272	SLU_dreno	Max	-1087.468	355.777	-9.150E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
63	0.	SLU_dreno	Min	-1089.481	400.56	-9.095E-13
63	0.24636	SLU_dreno	Min	-1088.474	378.168	-9.122E-13
63	0.49272	SLU_dreno	Min	-1087.468	355.777	-9.150E-13
63	0.	SLV_dreno	Max	-1078.271	364.437	1.135E-13
63	0.24636	SLV_dreno	Max	-1077.4	345.059	1.111E-13
63	0.49272	SLV_dreno	Max	-1076.529	325.682	1.087E-13
63	0.	SLV_dreno	Min	-1078.271	364.437	1.135E-13
63	0.24636	SLV_dreno	Min	-1077.4	345.059	1.111E-13
63	0.49272	SLV_dreno	Min	-1076.529	325.682	1.087E-13
63	0.	SLE_calotta	Max	-1033.265	326.287	8.527E-14
63	0.24636	SLE_calotta	Max	-1032.49	309.063	8.316E-14
63	0.49272	SLE_calotta	Max	-1031.716	291.839	8.105E-14
63	0.	SLE_calotta	Min	-1033.265	326.287	8.527E-14
63	0.24636	SLE_calotta	Min	-1032.49	309.063	8.316E-14
63	0.49272	SLE_calotta	Min	-1031.716	291.839	8.105E-14
63	0.	SLU_calotta	Max	-1343.244	424.173	5.684E-14
63	0.24636	SLU_calotta	Max	-1342.237	401.782	5.410E-14
63	0.49272	SLU_calotta	Max	-1341.231	379.391	5.136E-14
63	0.	SLU_calotta	Min	-1343.244	424.173	5.684E-14
63	0.24636	SLU_calotta	Min	-1342.237	401.782	5.410E-14
63	0.49272	SLU_calotta	Min	-1341.231	379.391	5.136E-14
63	0.	SLV_calotta	Max	-1436.666	222.282	-1.132E-13
63	0.24636	SLV_calotta	Max	-1435.795	202.905	-1.156E-13
63	0.49272	SLV_calotta	Max	-1434.924	183.528	-1.180E-13
63	0.	SLV_calotta	Min	-1436.666	222.282	-1.132E-13
63	0.24636	SLV_calotta	Min	-1435.795	202.905	-1.156E-13
63	0.49272	SLV_calotta	Min	-1434.924	183.528	-1.180E-13
64	0.	SLE_dreno	Max	-839.105	362.091	-1.137E-13
64	0.24636	SLE_dreno	Max	-838.2	345.058	-1.158E-13
64	0.49272	SLE_dreno	Max	-837.294	328.026	-1.179E-13
64	0.	SLE_dreno	Min	-839.105	362.091	-1.137E-13
64	0.24636	SLE_dreno	Min	-838.2	345.058	-1.158E-13
64	0.49272	SLE_dreno	Min	-837.294	328.026	-1.179E-13
64	0.	SLU_dreno	Max	-1090.844	470.76	-9.097E-13
64	0.24636	SLU_dreno	Max	-1089.667	448.617	-9.124E-13
64	0.49272	SLU_dreno	Max	-1088.49	426.475	-9.151E-13
64	0.	SLU_dreno	Min	-1090.844	470.76	-9.097E-13
64	0.24636	SLU_dreno	Min	-1089.667	448.617	-9.124E-13
64	0.49272	SLU_dreno	Min	-1088.49	426.475	-9.151E-13
64	0.	SLV_dreno	Max	-1079.447	422.775	4.441E-16
64	0.24636	SLV_dreno	Max	-1078.428	403.613	-1.903E-15
64	0.49272	SLV_dreno	Max	-1077.41	384.452	-4.249E-15
64	0.	SLV_dreno	Min	-1079.447	422.775	4.441E-16
64	0.24636	SLV_dreno	Min	-1078.428	403.613	-1.903E-15
64	0.49272	SLV_dreno	Min	-1077.41	384.452	-4.249E-15
64	0.	SLE_calotta	Max	-1034.475	383.643	1.110E-16
64	0.24636	SLE_calotta	Max	-1033.57	366.611	-1.975E-15
64	0.49272	SLE_calotta	Max	-1032.665	349.578	-4.061E-15
64	0.	SLE_calotta	Min	-1034.475	383.643	1.110E-16
64	0.24636	SLE_calotta	Min	-1033.57	366.611	-1.975E-15
64	0.49272	SLE_calotta	Min	-1032.665	349.578	-4.061E-15
64	0.	SLU_calotta	Max	-1344.818	498.736	5.707E-14
64	0.24636	SLU_calotta	Max	-1343.641	476.594	5.435E-14
64	0.49272	SLU_calotta	Max	-1342.464	454.451	5.164E-14
64	0.	SLU_calotta	Min	-1344.818	498.736	5.707E-14
64	0.24636	SLU_calotta	Min	-1343.641	476.594	5.435E-14
64	0.49272	SLU_calotta	Min	-1342.464	454.451	5.164E-14
64	0.	SLV_calotta	Max	-1428.846	254.727	-3.406E-13
64	0.24636	SLV_calotta	Max	-1427.827	235.565	-3.430E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
64	0.49272	SLV_calotta	Max	-1426.809	216.403	-3.453E-13
64	0.	SLV_calotta	Min	-1428.846	254.727	-3.406E-13
64	0.24636	SLV_calotta	Min	-1427.827	235.565	-3.430E-13
64	0.49272	SLV_calotta	Min	-1426.809	216.403	-3.453E-13
65	0.	SLE_dreno	Max	-840.336	416.664	2.220E-16
65	0.24636	SLE_dreno	Max	-839.307	399.885	-1.833E-15
65	0.49272	SLE_dreno	Max	-838.278	383.106	-3.888E-15
65	0.	SLE_dreno	Min	-840.336	416.664	2.220E-16
65	0.24636	SLE_dreno	Min	-839.307	399.885	-1.833E-15
65	0.49272	SLE_dreno	Min	-838.278	383.106	-3.888E-15
65	0.	SLU_dreno	Max	-1092.445	541.711	2.220E-16
65	0.24636	SLU_dreno	Max	-1091.107	519.899	-2.449E-15
65	0.49272	SLU_dreno	Max	-1089.769	498.086	-5.121E-15
65	0.	SLU_dreno	Min	-1092.445	541.711	2.220E-16
65	0.24636	SLU_dreno	Min	-1091.107	519.899	-2.449E-15
65	0.49272	SLU_dreno	Min	-1089.769	498.086	-5.121E-15
65	0.	SLV_dreno	Max	-1080.787	481.447	2.278E-13
65	0.24636	SLV_dreno	Max	-1079.629	462.57	2.255E-13
65	0.49272	SLV_dreno	Max	-1078.471	443.694	2.232E-13
65	0.	SLV_dreno	Min	-1080.787	481.447	2.278E-13
65	0.24636	SLV_dreno	Min	-1079.629	462.57	2.255E-13
65	0.49272	SLV_dreno	Min	-1078.471	443.694	2.232E-13
65	0.	SLE_calotta	Max	-1035.897	441.603	5.690E-14
65	0.24636	SLE_calotta	Max	-1034.867	424.824	5.484E-14
65	0.49272	SLE_calotta	Max	-1033.838	408.045	5.279E-14
65	0.	SLE_calotta	Min	-1035.897	441.603	5.690E-14
65	0.24636	SLE_calotta	Min	-1034.867	424.824	5.484E-14
65	0.49272	SLE_calotta	Min	-1033.838	408.045	5.279E-14
65	0.	SLU_calotta	Max	-1346.665	574.084	5.707E-14
65	0.24636	SLU_calotta	Max	-1345.327	552.271	5.439E-14
65	0.49272	SLU_calotta	Max	-1343.989	530.458	5.172E-14
65	0.	SLU_calotta	Min	-1346.665	574.084	5.707E-14
65	0.24636	SLU_calotta	Min	-1345.327	552.271	5.439E-14
65	0.49272	SLU_calotta	Min	-1343.989	530.458	5.172E-14
65	0.	SLV_calotta	Max	-1419.712	287.741	-1.141E-13
65	0.24636	SLV_calotta	Max	-1418.554	268.864	-1.164E-13
65	0.49272	SLV_calotta	Max	-1417.396	249.988	-1.188E-13
65	0.	SLV_calotta	Min	-1419.712	287.741	-1.141E-13
65	0.24636	SLV_calotta	Min	-1418.554	268.864	-1.164E-13
65	0.49272	SLV_calotta	Min	-1417.396	249.988	-1.188E-13
66	0.	SLE_dreno	Max	-841.77	471.968	1.110E-16
66	0.24636	SLE_dreno	Max	-840.621	455.444	-1.913E-15
66	0.49272	SLE_dreno	Max	-839.472	438.919	-3.936E-15
66	0.	SLE_dreno	Min	-841.77	471.968	1.110E-16
66	0.24636	SLE_dreno	Min	-840.621	455.444	-1.913E-15
66	0.49272	SLE_dreno	Min	-839.472	438.919	-3.936E-15
66	0.	SLU_dreno	Max	-1094.309	613.613	1.819E-12
66	0.24636	SLU_dreno	Max	-1092.815	592.131	1.816E-12
66	0.49272	SLU_dreno	Max	-1091.321	570.65	1.814E-12
66	0.	SLU_dreno	Min	-1094.309	613.613	1.819E-12
66	0.24636	SLU_dreno	Min	-1092.815	592.131	1.816E-12
66	0.49272	SLU_dreno	Min	-1091.321	570.65	1.814E-12
66	0.	SLV_dreno	Max	-1082.312	540.619	-1.128E-13
66	0.24636	SLV_dreno	Max	-1081.019	522.029	-1.151E-13
66	0.49272	SLV_dreno	Max	-1079.726	503.439	-1.174E-13
66	0.	SLV_dreno	Min	-1082.312	540.619	-1.128E-13
66	0.24636	SLV_dreno	Min	-1081.019	522.029	-1.151E-13
66	0.49272	SLV_dreno	Min	-1079.726	503.439	-1.174E-13
66	0.	SLE_calotta	Max	-1037.548	500.323	5.684E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
66	0.24636	SLE_calotta	Max	-1036.399	483.799	5.482E-14
66	0.49272	SLE_calotta	Max	-1035.25	467.274	5.280E-14
66	0.	SLE_calotta	Min	-1037.548	500.323	5.684E-14
66	0.24636	SLE_calotta	Min	-1036.399	483.799	5.482E-14
66	0.49272	SLE_calotta	Min	-1035.25	467.274	5.280E-14
66	0.	SLU_calotta	Max	-1348.812	650.42	1.110E-16
66	0.24636	SLU_calotta	Max	-1347.318	628.938	-2.520E-15
66	0.49272	SLU_calotta	Max	-1345.825	607.457	-5.150E-15
66	0.	SLU_calotta	Min	-1348.812	650.42	1.110E-16
66	0.24636	SLU_calotta	Min	-1347.318	628.938	-2.520E-15
66	0.49272	SLU_calotta	Min	-1345.825	607.457	-5.150E-15
66	0.	SLV_calotta	Max	-1409.297	321.537	4.441E-16
66	0.24636	SLV_calotta	Max	-1408.005	302.948	-1.833E-15
66	0.49272	SLV_calotta	Max	-1406.712	284.358	-4.109E-15
66	0.	SLV_calotta	Min	-1409.297	321.537	4.441E-16
66	0.24636	SLV_calotta	Min	-1408.005	302.948	-1.833E-15
66	0.49272	SLV_calotta	Min	-1406.712	284.358	-4.109E-15
67	0.	SLE_dreno	Max	-843.421	528.031	2.276E-13
67	0.24636	SLE_dreno	Max	-842.166	511.885	2.256E-13
67	0.49272	SLE_dreno	Max	-840.91	495.739	2.236E-13
67	0.	SLE_dreno	Min	-843.421	528.031	2.276E-13
67	0.24636	SLE_dreno	Min	-842.166	511.885	2.256E-13
67	0.49272	SLE_dreno	Min	-840.91	495.739	2.236E-13
67	0.	SLU_dreno	Max	-1096.456	686.502	-1.818E-12
67	0.24636	SLU_dreno	Max	-1094.824	665.512	-1.821E-12
67	0.49272	SLU_dreno	Max	-1093.192	644.522	-1.823E-12
67	0.	SLU_dreno	Min	-1096.456	686.502	-1.818E-12
67	0.24636	SLU_dreno	Min	-1094.824	665.512	-1.821E-12
67	0.49272	SLU_dreno	Min	-1093.192	644.522	-1.823E-12
67	0.	SLV_dreno	Max	-1084.035	600.322	4.554E-13
67	0.24636	SLV_dreno	Max	-1082.623	582.157	4.532E-13
67	0.49272	SLV_dreno	Max	-1081.211	563.993	4.510E-13
67	0.	SLV_dreno	Min	-1084.035	600.322	4.554E-13
67	0.24636	SLV_dreno	Min	-1082.623	582.157	4.532E-13
67	0.49272	SLV_dreno	Min	-1081.211	563.993	4.510E-13
67	0.	SLE_calotta	Max	-1039.444	559.836	1.139E-13
67	0.24636	SLE_calotta	Max	-1038.189	543.689	1.119E-13
67	0.49272	SLE_calotta	Max	-1036.934	527.543	1.099E-13
67	0.	SLE_calotta	Min	-1039.444	559.836	1.139E-13
67	0.24636	SLE_calotta	Min	-1038.189	543.689	1.119E-13
67	0.49272	SLE_calotta	Min	-1036.934	527.543	1.099E-13
67	0.	SLU_calotta	Max	-1351.278	727.786	2.279E-13
67	0.24636	SLU_calotta	Max	-1349.646	706.796	2.254E-13
67	0.49272	SLU_calotta	Max	-1348.014	685.806	2.228E-13
67	0.	SLU_calotta	Min	-1351.278	727.786	2.279E-13
67	0.24636	SLU_calotta	Min	-1349.646	706.796	2.254E-13
67	0.49272	SLU_calotta	Min	-1348.014	685.806	2.228E-13
67	0.	SLV_calotta	Max	-1397.631	356.191	3.415E-13
67	0.24636	SLV_calotta	Max	-1396.218	338.027	3.393E-13
67	0.49272	SLV_calotta	Max	-1394.806	319.862	3.371E-13
67	0.	SLV_calotta	Min	-1397.631	356.191	3.415E-13
67	0.24636	SLV_calotta	Min	-1396.218	338.027	3.393E-13
67	0.49272	SLV_calotta	Min	-1394.806	319.862	3.371E-13
68	0.	SLE_dreno	Max	-845.325	585.127	1.110E-16
68	0.24636	SLE_dreno	Max	-843.964	569.298	-1.827E-15
68	0.49272	SLE_dreno	Max	-842.603	553.47	-3.766E-15
68	0.	SLE_dreno	Min	-845.325	585.127	1.110E-16
68	0.24636	SLE_dreno	Min	-843.964	569.298	-1.827E-15
68	0.49272	SLE_dreno	Min	-842.603	553.47	-3.766E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
68	0.	SLU_dreno	Max	-1098.931	760.733	9.097E-13
68	0.24636	SLU_dreno	Max	-1097.162	740.156	9.072E-13
68	0.49272	SLU_dreno	Max	-1095.393	719.579	9.047E-13
68	0.	SLU_dreno	Min	-1098.931	760.733	9.097E-13
68	0.24636	SLU_dreno	Min	-1097.162	740.156	9.072E-13
68	0.49272	SLU_dreno	Min	-1095.393	719.579	9.047E-13
68	0.	SLV_dreno	Max	-1085.997	660.856	8.882E-16
68	0.24636	SLV_dreno	Max	-1084.466	643.049	-1.293E-15
68	0.49272	SLV_dreno	Max	-1082.935	625.242	-3.473E-15
68	0.	SLV_dreno	Min	-1085.997	660.856	8.882E-16
68	0.24636	SLV_dreno	Min	-1084.466	643.049	-1.293E-15
68	0.49272	SLV_dreno	Min	-1082.935	625.242	-3.473E-15
68	0.	SLE_calotta	Max	-1041.622	620.416	5.690E-14
68	0.24636	SLE_calotta	Max	-1040.261	604.587	5.496E-14
68	0.49272	SLE_calotta	Max	-1038.9	588.759	5.302E-14
68	0.	SLE_calotta	Min	-1041.622	620.416	5.690E-14
68	0.24636	SLE_calotta	Min	-1040.261	604.587	5.496E-14
68	0.49272	SLE_calotta	Min	-1038.9	588.759	5.302E-14
68	0.	SLU_calotta	Max	-1354.108	806.541	2.220E-16
68	0.24636	SLU_calotta	Max	-1352.339	785.963	-2.298E-15
68	0.49272	SLU_calotta	Max	-1350.57	765.386	-4.818E-15
68	0.	SLU_calotta	Min	-1354.108	806.541	2.220E-16
68	0.24636	SLU_calotta	Min	-1352.339	785.963	-2.298E-15
68	0.49272	SLU_calotta	Min	-1350.57	765.386	-4.818E-15
68	0.	SLV_calotta	Max	-1384.766	392.049	-2.283E-13
68	0.24636	SLV_calotta	Max	-1383.235	374.242	-2.304E-13
68	0.49272	SLV_calotta	Max	-1381.704	356.434	-2.326E-13
68	0.	SLV_calotta	Min	-1384.766	392.049	-2.283E-13
68	0.24636	SLV_calotta	Min	-1383.235	374.242	-2.304E-13
68	0.49272	SLV_calotta	Min	-1381.704	356.434	-2.326E-13
69	0.	SLE_dreno	Max	-847.49	643.157	1.135E-13
69	0.24636	SLE_dreno	Max	-846.04	627.769	1.116E-13
69	0.49272	SLE_dreno	Max	-844.591	612.381	1.097E-13
69	0.	SLE_dreno	Min	-847.49	643.157	1.135E-13
69	0.24636	SLE_dreno	Min	-846.04	627.769	1.116E-13
69	0.49272	SLE_dreno	Min	-844.591	612.381	1.097E-13
69	0.	SLU_dreno	Max	-1101.747	836.179	-2.220E-16
69	0.24636	SLU_dreno	Max	-1099.862	816.175	-2.672E-15
69	0.49272	SLU_dreno	Max	-1097.978	796.171	-5.122E-15
69	0.	SLU_dreno	Min	-1101.747	836.179	-2.220E-16
69	0.24636	SLU_dreno	Min	-1099.862	816.175	-2.672E-15
69	0.49272	SLU_dreno	Min	-1097.978	796.171	-5.122E-15
69	0.	SLV_dreno	Max	-1088.205	722.107	1.135E-13
69	0.24636	SLV_dreno	Max	-1086.574	704.796	1.113E-13
69	0.49272	SLV_dreno	Max	-1084.943	687.485	1.092E-13
69	0.	SLV_dreno	Min	-1088.205	722.107	1.135E-13
69	0.24636	SLV_dreno	Min	-1086.574	704.796	1.113E-13
69	0.49272	SLV_dreno	Min	-1084.943	687.485	1.092E-13
69	0.	SLE_calotta	Max	-1044.09	681.969	1.137E-13
69	0.24636	SLE_calotta	Max	-1042.64	666.581	1.119E-13
69	0.49272	SLE_calotta	Max	-1041.191	651.193	1.100E-13
69	0.	SLE_calotta	Min	-1044.09	681.969	1.137E-13
69	0.24636	SLE_calotta	Min	-1042.64	666.581	1.119E-13
69	0.49272	SLE_calotta	Min	-1041.191	651.193	1.100E-13
69	0.	SLU_calotta	Max	-1357.317	886.559	1.140E-13
69	0.24636	SLU_calotta	Max	-1355.432	866.555	1.116E-13
69	0.49272	SLU_calotta	Max	-1353.548	846.551	1.091E-13
69	0.	SLU_calotta	Min	-1357.317	886.559	1.140E-13
69	0.24636	SLU_calotta	Min	-1355.432	866.555	1.116E-13



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
69	0.49272	SLU_calotta	Min	-1353.548	846.551	1.091E-13
69	0.	SLV_calotta	Max	-1370.73	429.039	1.137E-13
69	0.24636	SLV_calotta	Max	-1369.1	411.728	1.116E-13
69	0.49272	SLV_calotta	Max	-1367.469	394.416	1.094E-13
69	0.	SLV_calotta	Min	-1370.73	429.039	1.137E-13
69	0.24636	SLV_calotta	Min	-1369.1	411.728	1.116E-13
69	0.49272	SLV_calotta	Min	-1367.469	394.416	1.094E-13
70	0.	SLE_dreno	Max	-849.961	702.387	-1.135E-13
70	0.24636	SLE_dreno	Max	-848.429	687.44	-1.153E-13
70	0.49272	SLE_dreno	Max	-846.898	672.494	-1.171E-13
70	0.	SLE_dreno	Min	-849.961	702.387	-1.135E-13
70	0.24636	SLE_dreno	Min	-848.429	687.44	-1.153E-13
70	0.49272	SLE_dreno	Min	-846.898	672.494	-1.171E-13
70	0.	SLU_dreno	Max	-1104.959	913.185	-2.220E-16
70	0.24636	SLU_dreno	Max	-1102.969	893.754	-2.602E-15
70	0.49272	SLU_dreno	Max	-1100.978	874.323	-4.981E-15
70	0.	SLU_dreno	Min	-1104.959	913.185	-2.220E-16
70	0.24636	SLU_dreno	Min	-1102.969	893.754	-2.602E-15
70	0.49272	SLU_dreno	Min	-1100.978	874.323	-4.981E-15
70	0.	SLV_dreno	Max	-1090.707	784.368	6.661E-16
70	0.24636	SLV_dreno	Max	-1088.985	767.553	-1.393E-15
70	0.49272	SLV_dreno	Max	-1087.262	750.738	-3.452E-15
70	0.	SLV_dreno	Min	-1090.707	784.368	6.661E-16
70	0.24636	SLV_dreno	Min	-1088.985	767.553	-1.393E-15
70	0.49272	SLV_dreno	Min	-1087.262	750.738	-3.452E-15
70	0.	SLE_calotta	Max	-1046.892	744.761	0.
70	0.24636	SLE_calotta	Max	-1045.361	729.815	-1.830E-15
70	0.49272	SLE_calotta	Max	-1043.829	714.868	-3.661E-15
70	0.	SLE_calotta	Min	-1046.892	744.761	0.
70	0.24636	SLE_calotta	Min	-1045.361	729.815	-1.830E-15
70	0.49272	SLE_calotta	Min	-1043.829	714.868	-3.661E-15
70	0.	SLU_calotta	Max	-1360.96	968.19	3.331E-16
70	0.24636	SLU_calotta	Max	-1358.969	948.759	-2.047E-15
70	0.49272	SLU_calotta	Max	-1356.978	929.328	-4.426E-15
70	0.	SLU_calotta	Min	-1360.96	968.19	3.331E-16
70	0.24636	SLU_calotta	Min	-1358.969	948.759	-2.047E-15
70	0.49272	SLU_calotta	Min	-1356.978	929.328	-4.426E-15
70	0.	SLV_calotta	Max	-1355.591	467.503	4.441E-16
70	0.24636	SLV_calotta	Max	-1353.868	450.687	-1.615E-15
70	0.49272	SLV_calotta	Max	-1352.145	433.872	-3.674E-15
70	0.	SLV_calotta	Min	-1355.591	467.503	4.441E-16
70	0.24636	SLV_calotta	Min	-1353.868	450.687	-1.615E-15
70	0.49272	SLV_calotta	Min	-1352.145	433.872	-3.674E-15
71	0.	SLE_dreno	Max	-852.76	762.833	-2.220E-16
71	0.24636	SLE_dreno	Max	-851.154	748.327	-1.998E-15
71	0.49272	SLE_dreno	Max	-849.548	733.822	-3.775E-15
71	0.	SLE_dreno	Min	-852.76	762.833	-2.220E-16
71	0.24636	SLE_dreno	Min	-851.154	748.327	-1.998E-15
71	0.49272	SLE_dreno	Min	-849.548	733.822	-3.775E-15
71	0.	SLU_dreno	Max	-1108.599	991.771	9.093E-13
71	0.24636	SLU_dreno	Max	-1106.511	972.914	9.070E-13
71	0.49272	SLU_dreno	Max	-1104.424	954.057	9.047E-13
71	0.	SLU_dreno	Min	-1108.599	991.771	9.093E-13
71	0.24636	SLU_dreno	Min	-1106.511	972.914	9.070E-13
71	0.49272	SLU_dreno	Min	-1104.424	954.057	9.047E-13
71	0.	SLV_dreno	Max	-1093.53	847.649	-1.141E-13
71	0.24636	SLV_dreno	Max	-1091.723	831.33	-1.161E-13
71	0.49272	SLV_dreno	Max	-1089.916	815.012	-1.181E-13
71	0.	SLV_dreno	Min	-1093.53	847.649	-1.141E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
71	0.24636	SLV_dreno	Min	-1091.723	831.33	-1.161E-13
71	0.49272	SLV_dreno	Min	-1089.916	815.012	-1.181E-13
71	0.	SLE_calotta	Max	-1050.052	808.81	0.
71	0.24636	SLE_calotta	Max	-1048.446	794.305	-1.776E-15
71	0.49272	SLE_calotta	Max	-1046.84	779.8	-3.553E-15
71	0.	SLE_calotta	Min	-1050.052	808.81	0.
71	0.24636	SLE_calotta	Min	-1048.446	794.305	-1.776E-15
71	0.49272	SLE_calotta	Min	-1046.84	779.8	-3.553E-15
71	0.	SLU_calotta	Max	-1365.068	1051.453	5.712E-14
71	0.24636	SLU_calotta	Max	-1362.98	1032.596	5.481E-14
71	0.49272	SLU_calotta	Max	-1360.892	1013.739	5.250E-14
71	0.	SLU_calotta	Min	-1365.068	1051.453	5.712E-14
71	0.24636	SLU_calotta	Min	-1362.98	1032.596	5.481E-14
71	0.49272	SLU_calotta	Min	-1360.892	1013.739	5.250E-14
71	0.	SLV_calotta	Max	-1339.392	507.496	-4.556E-13
71	0.24636	SLV_calotta	Max	-1337.585	491.178	-4.576E-13
71	0.49272	SLV_calotta	Max	-1335.778	474.859	-4.596E-13
71	0.	SLV_calotta	Min	-1339.392	507.496	-4.556E-13
71	0.24636	SLV_calotta	Min	-1337.585	491.178	-4.576E-13
71	0.49272	SLV_calotta	Min	-1335.778	474.859	-4.596E-13
72	0.	SLE_dreno	Max	-855.913	824.499	-5.718E-14
72	0.24636	SLE_dreno	Max	-854.254	810.558	-5.888E-14
72	0.49272	SLE_dreno	Max	-852.595	796.616	-6.059E-14
72	0.	SLE_dreno	Min	-855.913	824.499	-5.718E-14
72	0.24636	SLE_dreno	Min	-854.254	810.558	-5.888E-14
72	0.49272	SLE_dreno	Min	-852.595	796.616	-6.059E-14
72	0.	SLU_dreno	Max	-1112.698	1071.945	-2.220E-16
72	0.24636	SLU_dreno	Max	-1110.542	1053.821	-2.442E-15
72	0.49272	SLU_dreno	Max	-1108.385	1035.697	-4.661E-15
72	0.	SLU_dreno	Min	-1112.698	1071.945	-2.220E-16
72	0.24636	SLU_dreno	Min	-1110.542	1053.821	-2.442E-15
72	0.49272	SLU_dreno	Min	-1108.385	1035.697	-4.661E-15
72	0.	SLV_dreno	Max	-1096.698	911.949	-1.144E-13
72	0.24636	SLV_dreno	Max	-1094.832	896.265	-1.163E-13
72	0.49272	SLV_dreno	Max	-1092.965	880.58	-1.182E-13
72	0.	SLV_dreno	Min	-1096.698	911.949	-1.144E-13
72	0.24636	SLV_dreno	Min	-1094.832	896.265	-1.163E-13
72	0.49272	SLV_dreno	Min	-1092.965	880.58	-1.182E-13
72	0.	SLE_calotta	Max	-1053.595	874.121	8.521E-14
72	0.24636	SLE_calotta	Max	-1051.936	860.18	8.350E-14
72	0.49272	SLE_calotta	Max	-1050.277	846.238	8.179E-14
72	0.	SLE_calotta	Min	-1053.595	874.121	8.521E-14
72	0.24636	SLE_calotta	Min	-1051.936	860.18	8.350E-14
72	0.49272	SLE_calotta	Min	-1050.277	846.238	8.179E-14
72	0.	SLU_calotta	Max	-1369.673	1136.357	5.712E-14
72	0.24636	SLU_calotta	Max	-1367.517	1118.233	5.490E-14
72	0.49272	SLU_calotta	Max	-1365.36	1100.11	5.268E-14
72	0.	SLU_calotta	Min	-1369.673	1136.357	5.712E-14
72	0.24636	SLU_calotta	Min	-1367.517	1118.233	5.490E-14
72	0.49272	SLU_calotta	Min	-1365.36	1100.11	5.268E-14
72	0.	SLV_calotta	Max	-1322.184	549.07	-2.274E-13
72	0.24636	SLV_calotta	Max	-1320.317	533.386	-2.293E-13
72	0.49272	SLV_calotta	Max	-1318.451	517.701	-2.312E-13
72	0.	SLV_calotta	Min	-1322.184	549.07	-2.274E-13
72	0.24636	SLV_calotta	Min	-1320.317	533.386	-2.293E-13
72	0.49272	SLV_calotta	Min	-1318.451	517.701	-2.312E-13
73	0.	SLE_dreno	Max	-859.474	887.625	-1.137E-13
73	0.24636	SLE_dreno	Max	-857.763	874.186	-1.153E-13
73	0.49272	SLE_dreno	Max	-856.052	860.748	-1.170E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
73	0.	SLE_dreno	Min	-859.474	887.625	-1.137E-13
73	0.24636	SLE_dreno	Min	-857.763	874.186	-1.153E-13
73	0.49272	SLE_dreno	Min	-856.052	860.748	-1.170E-13
73	0.	SLU_dreno	Max	-1117.328	1154.015	-9.097E-13
73	0.24636	SLU_dreno	Max	-1115.105	1136.545	-9.119E-13
73	0.49272	SLU_dreno	Max	-1112.881	1119.074	-9.140E-13
73	0.	SLV_dreno	Min	-1117.328	1154.015	-9.097E-13
73	0.24636	SLV_dreno	Min	-1115.105	1136.545	-9.119E-13
73	0.49272	SLV_dreno	Min	-1112.881	1119.074	-9.140E-13
73	0.	SLV_dreno	Max	-1100.274	977.526	-1.139E-13
73	0.24636	SLV_dreno	Max	-1098.35	962.407	-1.158E-13
73	0.49272	SLV_dreno	Max	-1096.425	947.289	-1.176E-13
73	0.	SLV_dreno	Min	-1100.274	977.526	-1.139E-13
73	0.24636	SLV_dreno	Min	-1098.35	962.407	-1.158E-13
73	0.49272	SLV_dreno	Min	-1096.425	947.289	-1.176E-13
73	0.	SLE_calotta	Max	-1057.576	940.929	2.853E-14
73	0.24636	SLE_calotta	Max	-1055.866	927.49	2.689E-14
73	0.49272	SLE_calotta	Max	-1054.155	914.051	2.524E-14
73	0.	SLE_calotta	Min	-1057.576	940.929	2.853E-14
73	0.24636	SLE_calotta	Min	-1055.866	927.49	2.689E-14
73	0.49272	SLE_calotta	Min	-1054.155	914.051	2.524E-14
73	0.	SLU_calotta	Max	-1374.849	1223.207	-1.110E-16
73	0.24636	SLU_calotta	Max	-1372.626	1205.737	-2.251E-15
73	0.49272	SLU_calotta	Max	-1370.402	1188.266	-4.390E-15
73	0.	SLU_calotta	Min	-1374.849	1223.207	-1.110E-16
73	0.24636	SLU_calotta	Min	-1372.626	1205.737	-2.251E-15
73	0.49272	SLU_calotta	Min	-1370.402	1188.266	-4.390E-15
73	0.	SLV_calotta	Max	-1304.053	592.537	-4.547E-13
73	0.24636	SLV_calotta	Max	-1302.129	577.418	-4.566E-13
73	0.49272	SLV_calotta	Max	-1300.204	562.299	-4.585E-13
73	0.	SLV_calotta	Min	-1304.053	592.537	-4.547E-13
73	0.24636	SLV_calotta	Min	-1302.129	577.418	-4.566E-13
73	0.49272	SLV_calotta	Min	-1300.204	562.299	-4.585E-13
74	0.	SLE_dreno	Max	-863.456	952.06	-1.137E-13
74	0.24636	SLE_dreno	Max	-862.447	944.616	-1.146E-13
74	0.49272	SLE_dreno	Max	-861.438	937.173	-1.155E-13
74	0.	SLE_dreno	Min	-863.456	952.06	-1.137E-13
74	0.24636	SLE_dreno	Min	-862.447	944.616	-1.146E-13
74	0.49272	SLE_dreno	Min	-861.438	937.173	-1.155E-13
74	0.	SLU_dreno	Max	-1122.507	1237.788	2.220E-16
74	0.24636	SLU_dreno	Max	-1121.195	1228.111	-9.630E-16
74	0.49272	SLU_dreno	Max	-1119.883	1218.435	-2.148E-15
74	0.	SLU_dreno	Min	-1122.507	1237.788	2.220E-16
74	0.24636	SLU_dreno	Min	-1121.195	1228.111	-9.630E-16
74	0.49272	SLU_dreno	Min	-1119.883	1218.435	-2.148E-15
74	0.	SLV_dreno	Max	-1104.272	1044.201	-1.138E-13
74	0.24636	SLV_dreno	Max	-1103.136	1035.827	-1.148E-13
74	0.49272	SLV_dreno	Max	-1102.001	1027.453	-1.158E-13
74	0.	SLV_dreno	Min	-1104.272	1044.201	-1.138E-13
74	0.24636	SLV_dreno	Min	-1103.136	1035.827	-1.148E-13
74	0.49272	SLV_dreno	Min	-1102.001	1027.453	-1.158E-13
74	0.	SLE_calotta	Max	-1062.01	1009.079	5.695E-14
74	0.24636	SLE_calotta	Max	-1061.001	1001.636	5.604E-14
74	0.49272	SLE_calotta	Max	-1059.991	994.192	5.513E-14
74	0.	SLE_calotta	Min	-1062.01	1009.079	5.695E-14
74	0.24636	SLE_calotta	Min	-1061.001	1001.636	5.604E-14
74	0.49272	SLE_calotta	Min	-1059.991	994.192	5.513E-14
74	0.	SLU_calotta	Max	-1380.613	1311.803	5.701E-14
74	0.24636	SLU_calotta	Max	-1379.301	1302.127	5.582E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
74	0.49272	SLU_calotta	Max	-1377.989	1292.45	5.464E-14
74	0.	SLU_calotta	Min	-1380.613	1311.803	5.701E-14
74	0.24636	SLU_calotta	Min	-1379.301	1302.127	5.582E-14
74	0.49272	SLU_calotta	Min	-1377.989	1292.45	5.464E-14
74	0.	SLV_calotta	Max	-1285.039	637.778	-2.278E-13
74	0.24636	SLV_calotta	Max	-1283.904	629.404	-2.288E-13
74	0.49272	SLV_calotta	Max	-1282.768	621.03	-2.299E-13
74	0.	SLV_calotta	Min	-1285.039	637.778	-2.278E-13
74	0.24636	SLV_calotta	Min	-1283.904	629.404	-2.288E-13
74	0.49272	SLV_calotta	Min	-1282.768	621.03	-2.299E-13
75	0.	SLE_dreno	Max	-869.467	1028.717	1.135E-13
75	0.24636	SLE_dreno	Max	-868.178	1019.759	1.124E-13
75	0.49272	SLE_dreno	Max	-866.888	1010.8	1.113E-13
75	0.	SLE_dreno	Min	-869.467	1028.717	1.135E-13
75	0.24636	SLE_dreno	Min	-868.178	1019.759	1.124E-13
75	0.49272	SLE_dreno	Min	-866.888	1010.8	1.113E-13
75	0.	SLU_dreno	Max	-1130.322	1337.449	9.093E-13
75	0.24636	SLU_dreno	Max	-1128.645	1325.803	9.078E-13
75	0.49272	SLU_dreno	Max	-1126.969	1314.157	9.064E-13
75	0.	SLU_dreno	Min	-1130.322	1337.449	9.093E-13
75	0.24636	SLU_dreno	Min	-1128.645	1325.803	9.078E-13
75	0.49272	SLU_dreno	Min	-1126.969	1314.157	9.064E-13
75	0.	SLV_dreno	Max	-1110.497	1124.24	-2.278E-13
75	0.24636	SLV_dreno	Max	-1109.046	1114.161	-2.291E-13
75	0.49272	SLV_dreno	Max	-1107.595	1104.083	-2.303E-13
75	0.	SLV_dreno	Min	-1110.497	1124.24	-2.278E-13
75	0.24636	SLV_dreno	Min	-1109.046	1114.161	-2.291E-13
75	0.49272	SLV_dreno	Min	-1107.595	1104.083	-2.303E-13
75	0.	SLE_calotta	Max	-1068.501	1089.478	5.695E-14
75	0.24636	SLE_calotta	Max	-1067.212	1080.519	5.586E-14
75	0.49272	SLE_calotta	Max	-1065.923	1071.561	5.476E-14
75	0.	SLE_calotta	Min	-1068.501	1089.478	5.695E-14
75	0.24636	SLE_calotta	Min	-1067.212	1080.519	5.586E-14
75	0.49272	SLE_calotta	Min	-1065.923	1071.561	5.476E-14
75	0.	SLU_calotta	Max	-1389.052	1416.322	1.710E-13
75	0.24636	SLU_calotta	Max	-1387.376	1404.675	1.695E-13
75	0.49272	SLU_calotta	Max	-1385.699	1393.029	1.681E-13
75	0.	SLU_calotta	Min	-1389.052	1416.322	1.710E-13
75	0.24636	SLU_calotta	Min	-1387.376	1404.675	1.695E-13
75	0.49272	SLU_calotta	Min	-1385.699	1393.029	1.681E-13
75	0.	SLV_calotta	Max	-1266.975	697.135	-5.689E-13
75	0.24636	SLV_calotta	Max	-1265.525	687.056	-5.701E-13
75	0.49272	SLV_calotta	Max	-1264.074	676.978	-5.713E-13
75	0.	SLV_calotta	Min	-1266.975	697.135	-5.689E-13
75	0.24636	SLV_calotta	Min	-1265.525	687.056	-5.701E-13
75	0.49272	SLV_calotta	Min	-1264.074	676.978	-5.713E-13
76	0.	SLE_dreno	Max	-875.52	1102.484	-1.138E-13
76	0.24636	SLE_dreno	Max	-874.24	1094.084	-1.148E-13
76	0.49272	SLE_dreno	Max	-872.961	1085.684	-1.159E-13
76	0.	SLE_dreno	Min	-875.52	1102.484	-1.138E-13
76	0.24636	SLE_dreno	Min	-874.24	1094.084	-1.148E-13
76	0.49272	SLE_dreno	Min	-872.961	1085.684	-1.159E-13
76	0.	SLU_dreno	Max	-1138.191	1433.354	-9.095E-13
76	0.24636	SLU_dreno	Max	-1136.528	1422.434	-9.108E-13
76	0.49272	SLU_dreno	Max	-1134.865	1411.514	-9.122E-13
76	0.	SLU_dreno	Min	-1138.191	1433.354	-9.095E-13
76	0.24636	SLU_dreno	Min	-1136.528	1422.434	-9.108E-13
76	0.49272	SLU_dreno	Min	-1134.865	1411.514	-9.122E-13
76	0.	SLV_dreno	Max	-1116.714	1200.63	1.137E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
76	0.24636	SLV_dreno	Max	-1115.275	1191.18	1.125E-13
76	0.49272	SLV_dreno	Max	-1113.836	1181.73	1.114E-13
76	0.	SLV_dreno	Min	-1116.714	1200.63	1.137E-13
76	0.24636	SLV_dreno	Min	-1115.275	1191.18	1.125E-13
76	0.49272	SLV_dreno	Min	-1113.836	1181.73	1.114E-13
76	0.	SLE_calotta	Max	-1075.065	1167.002	5.679E-14
76	0.24636	SLE_calotta	Max	-1073.786	1158.602	5.576E-14
76	0.49272	SLE_calotta	Max	-1072.507	1150.202	5.473E-14
76	0.	SLE_calotta	Min	-1075.065	1167.002	5.679E-14
76	0.24636	SLE_calotta	Min	-1073.786	1158.602	5.576E-14
76	0.49272	SLE_calotta	Min	-1072.507	1150.202	5.473E-14
76	0.	SLU_calotta	Max	-1397.585	1517.103	1.110E-16
76	0.24636	SLU_calotta	Max	-1395.922	1506.183	-1.226E-15
76	0.49272	SLU_calotta	Max	-1394.259	1495.263	-2.564E-15
76	0.	SLU_calotta	Min	-1397.585	1517.103	1.110E-16
76	0.24636	SLU_calotta	Min	-1395.922	1506.183	-1.226E-15
76	0.49272	SLU_calotta	Min	-1394.259	1495.263	-2.564E-15
76	0.	SLV_calotta	Max	-1247.657	753.684	-8.882E-16
76	0.24636	SLV_calotta	Max	-1246.218	744.234	-2.045E-15
76	0.49272	SLV_calotta	Max	-1244.779	734.784	-3.203E-15
76	0.	SLV_calotta	Min	-1247.657	753.684	-8.882E-16
76	0.24636	SLV_calotta	Min	-1246.218	744.234	-2.045E-15
76	0.49272	SLV_calotta	Min	-1244.779	734.784	-3.203E-15
77	0.	SLE_dreno	Max	-1910.843	-119.285	-4.441E-16
77	0.23676	SLE_dreno	Max	-1899.499	-122.657	-8.571E-16
77	0.47352	SLE_dreno	Max	-1888.155	-126.029	-1.270E-15
77	0.	SLE_dreno	Min	-1910.843	-119.285	-4.441E-16
77	0.23676	SLE_dreno	Min	-1899.499	-122.657	-8.571E-16
77	0.47352	SLE_dreno	Min	-1888.155	-126.029	-1.270E-15
77	0.	SLU_dreno	Max	-2484.26	-155.016	-2.220E-16
77	0.23676	SLU_dreno	Max	-2469.514	-159.4	-7.589E-16
77	0.47352	SLU_dreno	Max	-2454.767	-163.784	-1.296E-15
77	0.	SLU_dreno	Min	-2484.26	-155.016	-2.220E-16
77	0.23676	SLU_dreno	Min	-2469.514	-159.4	-7.589E-16
77	0.47352	SLU_dreno	Min	-2454.767	-163.784	-1.296E-15
77	0.	SLV_dreno	Max	-2172.82	-274.914	-6.661E-16
77	0.23676	SLV_dreno	Max	-2160.058	-278.708	-1.131E-15
77	0.47352	SLV_dreno	Max	-2147.296	-282.501	-1.595E-15
77	0.	SLV_dreno	Min	-2172.82	-274.914	-6.661E-16
77	0.23676	SLV_dreno	Min	-2160.058	-278.708	-1.131E-15
77	0.47352	SLV_dreno	Min	-2147.296	-282.501	-1.595E-15
77	0.	SLE_calotta	Max	-1791.266	-347.612	-1.136E-13
77	0.23676	SLE_calotta	Max	-1779.922	-350.984	-1.140E-13
77	0.47352	SLE_calotta	Max	-1768.579	-354.357	-1.144E-13
77	0.	SLE_calotta	Min	-1791.266	-347.612	-1.136E-13
77	0.23676	SLE_calotta	Min	-1779.922	-350.984	-1.140E-13
77	0.47352	SLE_calotta	Min	-1768.579	-354.357	-1.144E-13
77	0.	SLU_calotta	Max	-2328.646	-451.896	-1.709E-13
77	0.23676	SLU_calotta	Max	-2313.899	-456.28	-1.714E-13
77	0.47352	SLU_calotta	Max	-2299.152	-460.664	-1.719E-13
77	0.	SLU_calotta	Min	-2328.646	-451.896	-1.709E-13
77	0.23676	SLU_calotta	Min	-2313.899	-456.28	-1.714E-13
77	0.47352	SLU_calotta	Min	-2299.152	-460.664	-1.719E-13
77	0.	SLV_calotta	Max	-2117.784	-475.149	-4.543E-13
77	0.23676	SLV_calotta	Max	-2105.022	-478.942	-4.548E-13
77	0.47352	SLV_calotta	Max	-2092.26	-482.736	-4.552E-13
77	0.	SLV_calotta	Min	-2117.784	-475.149	-4.543E-13
77	0.23676	SLV_calotta	Min	-2105.022	-478.942	-4.548E-13
77	0.47352	SLV_calotta	Min	-2092.26	-482.736	-4.552E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
78	0.	SLE_dreno	Max	-1863.37	-119.657	-1.137E-13
78	0.23676	SLE_dreno	Max	-1852.685	-122.295	-1.140E-13
78	0.47352	SLE_dreno	Max	-1841.999	-124.932	-1.143E-13
78	0.	SLE_dreno	Min	-1863.37	-119.657	-1.137E-13
78	0.23676	SLE_dreno	Min	-1852.685	-122.295	-1.140E-13
78	0.47352	SLE_dreno	Min	-1841.999	-124.932	-1.143E-13
78	0.	SLU_dreno	Max	-2422.549	-155.507	-4.441E-16
78	0.23676	SLU_dreno	Max	-2408.658	-158.935	-8.640E-16
78	0.47352	SLU_dreno	Max	-2394.767	-162.364	-1.284E-15
78	0.	SLU_dreno	Min	-2422.549	-155.507	-4.441E-16
78	0.23676	SLU_dreno	Min	-2408.658	-158.935	-8.640E-16
78	0.47352	SLU_dreno	Min	-2394.767	-162.364	-1.284E-15
78	0.	SLV_dreno	Max	-2106.961	-277.544	-1.135E-13
78	0.23676	SLV_dreno	Max	-2094.94	-280.511	-1.138E-13
78	0.47352	SLV_dreno	Max	-2082.919	-283.478	-1.142E-13
78	0.	SLV_dreno	Min	-2106.961	-277.544	-1.135E-13
78	0.23676	SLV_dreno	Min	-2094.94	-280.511	-1.138E-13
78	0.47352	SLV_dreno	Min	-2082.919	-283.478	-1.142E-13
78	0.	SLE_calotta	Max	-1741.195	-329.474	-3.331E-16
78	0.23676	SLE_calotta	Max	-1730.51	-332.111	-6.561E-16
78	0.47352	SLE_calotta	Max	-1719.825	-334.748	-9.790E-16
78	0.	SLE_calotta	Min	-1741.195	-329.474	-3.331E-16
78	0.23676	SLE_calotta	Min	-1730.51	-332.111	-6.561E-16
78	0.47352	SLE_calotta	Min	-1719.825	-334.748	-9.790E-16
78	0.	SLU_calotta	Max	-2263.554	-428.316	-1.710E-13
78	0.23676	SLU_calotta	Max	-2249.663	-431.744	-1.714E-13
78	0.47352	SLU_calotta	Max	-2235.772	-435.173	-1.718E-13
78	0.	SLU_calotta	Min	-2263.554	-428.316	-1.710E-13
78	0.23676	SLU_calotta	Min	-2249.663	-431.744	-1.714E-13
78	0.47352	SLU_calotta	Min	-2235.772	-435.173	-1.718E-13
78	0.	SLV_calotta	Max	-2018.554	-451.64	-6.826E-13
78	0.23676	SLV_calotta	Max	-2006.533	-454.607	-6.829E-13
78	0.47352	SLV_calotta	Max	-1994.512	-457.574	-6.833E-13
78	0.	SLV_calotta	Min	-2018.554	-451.64	-6.826E-13
78	0.23676	SLV_calotta	Min	-2006.533	-454.607	-6.829E-13
78	0.47352	SLV_calotta	Min	-1994.512	-457.574	-6.833E-13
79	0.	SLE_dreno	Max	-1820.615	-121.341	1.135E-13
79	0.23676	SLE_dreno	Max	-1810.456	-123.347	1.132E-13
79	0.47352	SLE_dreno	Max	-1800.298	-125.354	1.130E-13
79	0.	SLE_dreno	Min	-1820.615	-121.341	1.135E-13
79	0.23676	SLE_dreno	Min	-1810.456	-123.347	1.132E-13
79	0.47352	SLE_dreno	Min	-1800.298	-125.354	1.130E-13
79	0.	SLU_dreno	Max	-2366.97	-157.7	4.441E-16
79	0.23676	SLU_dreno	Max	-2353.763	-160.308	1.246E-16
79	0.47352	SLU_dreno	Max	-2340.557	-162.917	-1.948E-16
79	0.	SLU_dreno	Min	-2366.97	-157.7	4.441E-16
79	0.23676	SLU_dreno	Min	-2353.763	-160.308	1.246E-16
79	0.47352	SLU_dreno	Min	-2340.557	-162.917	-1.948E-16
79	0.	SLV_dreno	Max	-2047.544	-278.128	-4.441E-16
79	0.23676	SLV_dreno	Max	-2036.115	-280.385	-7.206E-16
79	0.47352	SLV_dreno	Max	-2024.686	-282.643	-9.970E-16
79	0.	SLV_dreno	Min	-2047.544	-278.128	-4.441E-16
79	0.23676	SLV_dreno	Min	-2036.115	-280.385	-7.206E-16
79	0.47352	SLV_dreno	Min	-2024.686	-282.643	-9.970E-16
79	0.	SLE_calotta	Max	-1695.473	-311.486	0.
79	0.23676	SLE_calotta	Max	-1685.314	-313.492	-2.457E-16
79	0.47352	SLE_calotta	Max	-1675.155	-315.499	-4.915E-16
79	0.	SLE_calotta	Min	-1695.473	-311.486	0.
79	0.23676	SLE_calotta	Min	-1685.314	-313.492	-2.457E-16

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
79	0.47352	SLE_calotta	Min	-1675.155	-315.499	-4.915E-16
79	0.	SLU_calotta	Max	-2204.115	-404.932	-5.707E-14
79	0.23676	SLU_calotta	Max	-2190.908	-407.54	-5.738E-14
79	0.47352	SLU_calotta	Max	-2177.702	-410.149	-5.770E-14
79	0.	SLU_calotta	Min	-2204.115	-404.932	-5.707E-14
79	0.23676	SLU_calotta	Min	-2190.908	-407.54	-5.738E-14
79	0.47352	SLU_calotta	Min	-2177.702	-410.149	-5.770E-14
79	0.	SLV_calotta	Max	-1932.154	-422.316	4.441E-16
79	0.23676	SLV_calotta	Max	-1920.726	-424.574	1.676E-16
79	0.47352	SLV_calotta	Max	-1909.297	-426.831	-1.088E-16
79	0.	SLV_calotta	Min	-1932.154	-422.316	4.441E-16
79	0.23676	SLV_calotta	Min	-1920.726	-424.574	1.676E-16
79	0.47352	SLV_calotta	Min	-1909.297	-426.831	-1.088E-16
80	0.	SLE_dreno	Max	-1782.977	-125.068	-2.276E-13
80	0.21616	SLE_dreno	Max	-1774.057	-126.417	-2.278E-13
80	0.43231	SLE_dreno	Max	-1765.136	-127.766	-2.279E-13
80	0.	SLE_dreno	Min	-1782.977	-125.068	-2.276E-13
80	0.21616	SLE_dreno	Min	-1774.057	-126.417	-2.278E-13
80	0.43231	SLE_dreno	Min	-1765.136	-127.766	-2.279E-13
80	0.	SLU_dreno	Max	-2318.042	-162.552	9.088E-13
80	0.21616	SLU_dreno	Max	-2306.446	-164.306	9.086E-13
80	0.43231	SLU_dreno	Max	-2294.849	-166.06	9.084E-13
80	0.	SLU_dreno	Min	-2318.042	-162.552	9.088E-13
80	0.21616	SLU_dreno	Min	-2306.446	-164.306	9.086E-13
80	0.43231	SLU_dreno	Min	-2294.849	-166.06	9.084E-13
80	0.	SLV_dreno	Max	-1995.534	-277.972	-3.413E-13
80	0.21616	SLV_dreno	Max	-1985.498	-279.489	-3.415E-13
80	0.43231	SLV_dreno	Max	-1975.463	-281.007	-3.417E-13
80	0.	SLV_dreno	Min	-1995.534	-277.972	-3.413E-13
80	0.21616	SLV_dreno	Min	-1985.498	-279.489	-3.415E-13
80	0.43231	SLV_dreno	Min	-1975.463	-281.007	-3.417E-13
80	0.	SLE_calotta	Max	-1654.694	-295.205	-1.708E-13
80	0.21616	SLE_calotta	Max	-1645.774	-296.554	-1.709E-13
80	0.43231	SLE_calotta	Max	-1636.853	-297.903	-1.711E-13
80	0.	SLE_calotta	Min	-1654.694	-295.205	-1.708E-13
80	0.21616	SLE_calotta	Min	-1645.774	-296.554	-1.709E-13
80	0.43231	SLE_calotta	Min	-1636.853	-297.903	-1.711E-13
80	0.	SLU_calotta	Max	-2151.103	-383.766	-1.709E-13
80	0.21616	SLU_calotta	Max	-2139.506	-385.52	-1.711E-13
80	0.43231	SLU_calotta	Max	-2127.909	-387.274	-1.713E-13
80	0.	SLU_calotta	Min	-2151.103	-383.766	-1.709E-13
80	0.21616	SLU_calotta	Min	-2139.506	-385.52	-1.711E-13
80	0.43231	SLU_calotta	Min	-2127.909	-387.274	-1.713E-13
80	0.	SLV_calotta	Max	-1860.203	-390.831	-4.441E-16
80	0.21616	SLV_calotta	Max	-1850.167	-392.349	-6.299E-16
80	0.43231	SLV_calotta	Max	-1840.132	-393.866	-8.158E-16
80	0.	SLV_calotta	Min	-1860.203	-390.831	-4.441E-16
80	0.21616	SLV_calotta	Min	-1850.167	-392.349	-6.299E-16
80	0.43231	SLV_calotta	Min	-1840.132	-393.866	-8.158E-16
81	0.	SLE_dreno	Max	-1751.494	-130.241	-2.276E-13
81	0.21616	SLE_dreno	Max	-1742.846	-131.171	-2.277E-13
81	0.43231	SLE_dreno	Max	-1734.199	-132.102	-2.278E-13
81	0.	SLE_dreno	Min	-1751.494	-130.241	-2.276E-13
81	0.21616	SLE_dreno	Min	-1742.846	-131.171	-2.277E-13
81	0.43231	SLE_dreno	Min	-1734.199	-132.102	-2.278E-13
81	0.	SLU_dreno	Max	-2277.116	-169.283	-4.441E-16
81	0.21616	SLU_dreno	Max	-2265.874	-170.492	-5.923E-16
81	0.43231	SLU_dreno	Max	-2254.631	-171.702	-7.404E-16
81	0.	SLU_dreno	Min	-2277.116	-169.283	-4.441E-16

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
81	0.21616	SLU_dreno	Min	-2265.874	-170.492	-5.923E-16
81	0.43231	SLU_dreno	Min	-2254.631	-171.702	-7.404E-16
81	0.	SLV_dreno	Max	-1952.03	-276.513	0.
81	0.21616	SLV_dreno	Max	-1942.301	-277.56	-1.282E-16
81	0.43231	SLV_dreno	Max	-1932.572	-278.607	-2.564E-16
81	0.	SLV_dreno	Min	-1952.03	-276.513	0.
81	0.21616	SLV_dreno	Min	-1942.301	-277.56	-1.282E-16
81	0.43231	SLV_dreno	Min	-1932.572	-278.607	-2.564E-16
81	0.	SLE_calotta	Max	-1619.718	-280.763	-5.684E-14
81	0.21616	SLE_calotta	Max	-1611.071	-281.693	-5.696E-14
81	0.43231	SLE_calotta	Max	-1602.423	-282.624	-5.707E-14
81	0.	SLE_calotta	Min	-1619.718	-280.763	-5.684E-14
81	0.21616	SLE_calotta	Min	-1611.071	-281.693	-5.696E-14
81	0.43231	SLE_calotta	Min	-1602.423	-282.624	-5.707E-14
81	0.	SLU_calotta	Max	-2105.634	-364.992	-1.137E-13
81	0.21616	SLU_calotta	Max	-2094.392	-366.201	-1.138E-13
81	0.43231	SLU_calotta	Max	-2083.15	-367.411	-1.140E-13
81	0.	SLU_calotta	Min	-2105.634	-364.992	-1.137E-13
81	0.21616	SLU_calotta	Min	-2094.392	-366.201	-1.138E-13
81	0.43231	SLU_calotta	Min	-2083.15	-367.411	-1.140E-13
81	0.	SLV_calotta	Max	-1802.782	-358.699	-2.269E-13
81	0.21616	SLV_calotta	Max	-1793.053	-359.746	-2.271E-13
81	0.43231	SLV_calotta	Max	-1783.325	-360.793	-2.272E-13
81	0.	SLV_calotta	Min	-1802.782	-358.699	-2.269E-13
81	0.21616	SLV_calotta	Min	-1793.053	-359.746	-2.271E-13
81	0.43231	SLV_calotta	Min	-1783.325	-360.793	-2.272E-13
82	0.	SLE_dreno	Max	-1723.177	-137.673	1.137E-13
82	0.21616	SLE_dreno	Max	-1714.659	-138.222	1.136E-13
82	0.43231	SLE_dreno	Max	-1706.141	-138.771	1.136E-13
82	0.	SLE_dreno	Min	-1723.177	-137.673	1.137E-13
82	0.21616	SLE_dreno	Min	-1714.659	-138.222	1.136E-13
82	0.43231	SLE_dreno	Min	-1706.141	-138.771	1.136E-13
82	0.	SLU_dreno	Max	-2240.304	-178.952	2.220E-16
82	0.21616	SLU_dreno	Max	-2229.231	-179.665	1.347E-16
82	0.43231	SLU_dreno	Max	-2218.157	-180.378	4.734E-17
82	0.	SLU_dreno	Min	-2240.304	-178.952	2.220E-16
82	0.21616	SLU_dreno	Min	-2229.231	-179.665	1.347E-16
82	0.43231	SLU_dreno	Min	-2218.157	-180.378	4.734E-17
82	0.	SLV_dreno	Max	-1913.279	-274.701	-2.220E-16
82	0.21616	SLV_dreno	Max	-1903.697	-275.318	-2.976E-16
82	0.43231	SLV_dreno	Max	-1894.114	-275.936	-3.732E-16
82	0.	SLV_dreno	Min	-1913.279	-274.701	-2.220E-16
82	0.21616	SLV_dreno	Min	-1903.697	-275.318	-2.976E-16
82	0.43231	SLV_dreno	Min	-1894.114	-275.936	-3.732E-16
82	0.	SLE_calotta	Max	-1587.549	-267.98	-1.110E-16
82	0.21616	SLE_calotta	Max	-1579.031	-268.529	-1.782E-16
82	0.43231	SLE_calotta	Max	-1570.513	-269.077	-2.454E-16
82	0.	SLE_calotta	Min	-1587.549	-267.98	-1.110E-16
82	0.21616	SLE_calotta	Min	-1579.031	-268.529	-1.782E-16
82	0.43231	SLE_calotta	Min	-1570.513	-269.077	-2.454E-16
82	0.	SLU_calotta	Max	-2063.814	-348.374	1.110E-16
82	0.21616	SLU_calotta	Max	-2052.741	-349.087	2.367E-17
82	0.43231	SLU_calotta	Max	-2041.667	-349.801	-6.368E-17
82	0.	SLU_calotta	Min	-2063.814	-348.374	1.110E-16
82	0.21616	SLU_calotta	Min	-2052.741	-349.087	2.367E-17
82	0.43231	SLU_calotta	Min	-2041.667	-349.801	-6.368E-17
82	0.	SLV_calotta	Max	-1754.908	-326.065	0.
82	0.21616	SLV_calotta	Max	-1745.326	-326.682	-7.559E-17
82	0.43231	SLV_calotta	Max	-1735.743	-327.3	-1.512E-16



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
82	0.	SLV_calotta	Min	-1754.908	-326.065	0.
82	0.21616	SLV_calotta	Min	-1745.326	-326.682	-7.559E-17
82	0.43231	SLV_calotta	Min	-1735.743	-327.3	-1.512E-16
83	0.	SLE_dreno	Max	-1697.478	-147.873	-4.550E-13
83	0.21616	SLE_dreno	Max	-1688.999	-148.055	-4.550E-13
83	0.43231	SLE_dreno	Max	-1680.519	-148.236	-4.550E-13
83	0.	SLE_dreno	Min	-1697.478	-147.873	-4.550E-13
83	0.21616	SLE_dreno	Min	-1688.999	-148.055	-4.550E-13
83	0.43231	SLE_dreno	Min	-1680.519	-148.236	-4.550E-13
83	0.	SLU_dreno	Max	-2206.897	-192.218	-6.661E-16
83	0.21616	SLU_dreno	Max	-2195.873	-192.455	-6.951E-16
83	0.43231	SLU_dreno	Max	-2184.85	-192.691	-7.240E-16
83	0.	SLU_dreno	Min	-2206.897	-192.218	-6.661E-16
83	0.21616	SLU_dreno	Min	-2195.873	-192.455	-6.951E-16
83	0.43231	SLU_dreno	Min	-2184.85	-192.691	-7.240E-16
83	0.	SLV_dreno	Max	-1878.748	-273.178	-3.419E-13
83	0.21616	SLV_dreno	Max	-1869.208	-273.383	-3.420E-13
83	0.43231	SLV_dreno	Max	-1859.669	-273.587	-3.420E-13
83	0.	SLV_dreno	Min	-1878.748	-273.178	-3.419E-13
83	0.21616	SLV_dreno	Min	-1869.208	-273.383	-3.420E-13
83	0.43231	SLV_dreno	Min	-1859.669	-273.587	-3.420E-13
83	0.	SLE_calotta	Max	-1557.745	-257.233	-2.276E-13
83	0.21616	SLE_calotta	Max	-1549.265	-257.415	-2.276E-13
83	0.43231	SLE_calotta	Max	-1540.786	-257.597	-2.276E-13
83	0.	SLE_calotta	Min	-1557.745	-257.233	-2.276E-13
83	0.21616	SLE_calotta	Min	-1549.265	-257.415	-2.276E-13
83	0.43231	SLE_calotta	Min	-1540.786	-257.597	-2.276E-13
83	0.	SLU_calotta	Max	-2025.069	-334.403	-1.710E-13
83	0.21616	SLU_calotta	Max	-2014.045	-334.64	-1.710E-13
83	0.43231	SLU_calotta	Max	-2003.021	-334.876	-1.710E-13
83	0.	SLU_calotta	Min	-2025.069	-334.403	-1.710E-13
83	0.21616	SLU_calotta	Min	-2014.045	-334.64	-1.710E-13
83	0.43231	SLU_calotta	Min	-2003.021	-334.876	-1.710E-13
83	0.	SLV_calotta	Max	-1715.821	-294.087	-4.552E-13
83	0.21616	SLV_calotta	Max	-1706.282	-294.292	-4.552E-13
83	0.43231	SLV_calotta	Max	-1696.742	-294.497	-4.552E-13
83	0.	SLV_calotta	Min	-1715.821	-294.087	-4.552E-13
83	0.21616	SLV_calotta	Min	-1706.282	-294.292	-4.552E-13
83	0.43231	SLV_calotta	Min	-1696.742	-294.497	-4.552E-13
84	0.	SLE_dreno	Max	-1673.559	-138.863	-1.138E-13
84	0.24992	SLE_dreno	Max	-1663.628	-138.754	-1.138E-13
84	0.49985	SLE_dreno	Max	-1653.697	-138.645	-1.138E-13
84	0.	SLE_dreno	Min	-1673.559	-138.863	-1.138E-13
84	0.24992	SLE_dreno	Min	-1663.628	-138.754	-1.138E-13
84	0.49985	SLE_dreno	Min	-1653.697	-138.645	-1.138E-13
84	0.	SLU_dreno	Max	-2175.803	-180.511	0.
84	0.24992	SLU_dreno	Max	-2162.892	-180.369	0.
84	0.49985	SLU_dreno	Max	-2149.982	-180.228	0.
84	0.	SLU_dreno	Min	-2175.803	-180.511	0.
84	0.24992	SLU_dreno	Min	-2162.892	-180.369	0.
84	0.49985	SLU_dreno	Min	-2149.982	-180.228	0.
84	0.	SLV_dreno	Max	-1848.529	-246.898	-3.419E-13
84	0.24992	SLV_dreno	Max	-1837.357	-246.776	-3.419E-13
84	0.49985	SLV_dreno	Max	-1826.184	-246.653	-3.419E-13
84	0.	SLV_dreno	Min	-1848.529	-246.898	-3.419E-13
84	0.24992	SLV_dreno	Min	-1837.357	-246.776	-3.419E-13
84	0.49985	SLV_dreno	Min	-1826.184	-246.653	-3.419E-13
84	0.	SLE_calotta	Max	-1532.235	-226.881	-1.706E-13
84	0.24992	SLE_calotta	Max	-1522.304	-226.773	-1.706E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
84	0.49985	SLE_calotta	Max	-1512.373	-226.664	-1.706E-13
84	0.	SLE_calotta	Min	-1532.235	-226.881	-1.706E-13
84	0.24992	SLE_calotta	Min	-1522.304	-226.773	-1.706E-13
84	0.49985	SLE_calotta	Min	-1512.373	-226.664	-1.706E-13
84	0.	SLU_calotta	Max	-1991.905	-294.946	-1.144E-13
84	0.24992	SLU_calotta	Max	-1978.995	-294.804	-1.144E-13
84	0.49985	SLU_calotta	Max	-1966.085	-294.663	-1.144E-13
84	0.	SLU_calotta	Min	-1991.905	-294.946	-1.144E-13
84	0.24992	SLU_calotta	Min	-1978.995	-294.804	-1.144E-13
84	0.49985	SLU_calotta	Min	-1966.085	-294.663	-1.144E-13
84	0.	SLV_calotta	Max	-1685.683	-238.139	-4.441E-16
84	0.24992	SLV_calotta	Max	-1674.511	-238.017	-4.441E-16
84	0.49985	SLV_calotta	Max	-1663.338	-237.894	-4.441E-16
84	0.	SLV_calotta	Min	-1685.683	-238.139	-4.441E-16
84	0.24992	SLV_calotta	Min	-1674.511	-238.017	-4.441E-16
84	0.49985	SLV_calotta	Min	-1663.338	-237.894	-4.441E-16
85	0.	SLE_dreno	Max	-1649.508	-111.124	-1.139E-13
85	0.24992	SLE_dreno	Max	-1639.332	-110.789	-1.139E-13
85	0.49985	SLE_dreno	Max	-1629.156	-110.455	-1.139E-13
85	0.	SLE_dreno	Min	-1649.508	-111.124	-1.139E-13
85	0.24992	SLE_dreno	Min	-1639.332	-110.789	-1.139E-13
85	0.49985	SLE_dreno	Min	-1629.156	-110.455	-1.139E-13
85	0.	SLU_dreno	Max	-2144.536	-144.454	-9.097E-13
85	0.24992	SLU_dreno	Max	-2131.307	-144.019	-9.097E-13
85	0.49985	SLU_dreno	Max	-2118.079	-143.584	-9.097E-13
85	0.	SLU_dreno	Min	-2144.536	-144.454	-9.097E-13
85	0.24992	SLU_dreno	Min	-2131.307	-144.019	-9.097E-13
85	0.49985	SLU_dreno	Min	-2118.079	-143.584	-9.097E-13
85	0.	SLV_dreno	Max	-1820.068	-197.653	-2.274E-13
85	0.24992	SLV_dreno	Max	-1808.62	-197.277	-2.274E-13
85	0.49985	SLV_dreno	Max	-1797.172	-196.901	-2.274E-13
85	0.	SLV_dreno	Min	-1820.068	-197.653	-2.274E-13
85	0.24992	SLV_dreno	Min	-1808.62	-197.277	-2.274E-13
85	0.49985	SLV_dreno	Min	-1797.172	-196.901	-2.274E-13
85	0.	SLE_calotta	Max	-1507.376	-178.296	-5.551E-17
85	0.24992	SLE_calotta	Max	-1497.2	-177.961	-5.551E-17
85	0.49985	SLE_calotta	Max	-1487.024	-177.627	-5.551E-17
85	0.	SLE_calotta	Min	-1507.376	-178.296	-5.551E-17
85	0.24992	SLE_calotta	Min	-1497.2	-177.961	-5.551E-17
85	0.49985	SLE_calotta	Min	-1487.024	-177.627	-5.551E-17
85	0.	SLU_calotta	Max	-1959.589	-231.785	-1.139E-13
85	0.24992	SLU_calotta	Max	-1946.36	-231.35	-1.139E-13
85	0.49985	SLU_calotta	Max	-1933.132	-230.915	-1.139E-13
85	0.	SLU_calotta	Min	-1959.589	-231.785	-1.139E-13
85	0.24992	SLU_calotta	Min	-1946.36	-231.35	-1.139E-13
85	0.49985	SLU_calotta	Min	-1933.132	-230.915	-1.139E-13
85	0.	SLV_calotta	Max	-1658.84	-160.645	0.
85	0.24992	SLV_calotta	Max	-1647.392	-160.268	0.
85	0.49985	SLV_calotta	Max	-1635.944	-159.892	0.
85	0.	SLV_calotta	Min	-1658.84	-160.645	0.
85	0.24992	SLV_calotta	Min	-1647.392	-160.268	0.
85	0.49985	SLV_calotta	Min	-1635.944	-159.892	0.
86	0.	SLE_dreno	Max	-1624.23	-85.947	2.220E-16
86	0.24992	SLE_dreno	Max	-1613.627	-85.365	2.220E-16
86	0.49985	SLE_dreno	Max	-1603.024	-84.784	2.220E-16
86	0.	SLE_dreno	Min	-1624.23	-85.947	2.220E-16
86	0.24992	SLE_dreno	Min	-1613.627	-85.365	2.220E-16
86	0.49985	SLE_dreno	Min	-1603.024	-84.784	2.220E-16
86	0.	SLU_dreno	Max	-2111.675	-111.728	9.097E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
86	0.24992	SLU_dreno	Max	-2097.891	-110.972	9.097E-13
86	0.49985	SLU_dreno	Max	-2084.108	-110.216	9.097E-13
86	0.	SLU_dreno	Min	-2111.675	-111.728	9.097E-13
86	0.24992	SLU_dreno	Min	-2097.891	-110.972	9.097E-13
86	0.49985	SLU_dreno	Min	-2084.108	-110.216	9.097E-13
86	0.	SLV_dreno	Max	-1790.983	-151.469	1.135E-13
86	0.24992	SLV_dreno	Max	-1779.055	-150.815	1.135E-13
86	0.49985	SLV_dreno	Max	-1767.127	-150.161	1.135E-13
86	0.	SLV_dreno	Min	-1790.983	-151.469	1.135E-13
86	0.24992	SLV_dreno	Min	-1779.055	-150.815	1.135E-13
86	0.49985	SLV_dreno	Min	-1767.127	-150.161	1.135E-13
86	0.	SLE_calotta	Max	-1482.54	-133.352	0.
86	0.24992	SLE_calotta	Max	-1471.938	-132.77	0.
86	0.49985	SLE_calotta	Max	-1461.335	-132.189	0.
86	0.	SLE_calotta	Min	-1482.54	-133.352	0.
86	0.24992	SLE_calotta	Min	-1471.938	-132.77	0.
86	0.49985	SLE_calotta	Min	-1461.335	-132.189	0.
86	0.	SLU_calotta	Max	-1927.303	-173.357	1.110E-16
86	0.24992	SLU_calotta	Max	-1913.519	-172.601	1.110E-16
86	0.49985	SLU_calotta	Max	-1899.735	-171.845	1.110E-16
86	0.	SLU_calotta	Min	-1927.303	-173.357	1.110E-16
86	0.24992	SLU_calotta	Min	-1913.519	-172.601	1.110E-16
86	0.49985	SLU_calotta	Min	-1899.735	-171.845	1.110E-16
86	0.	SLV_calotta	Max	-1632.972	-87.764	0.
86	0.24992	SLV_calotta	Max	-1621.044	-87.11	0.
86	0.49985	SLV_calotta	Max	-1609.116	-86.455	0.
86	0.	SLV_calotta	Min	-1632.972	-87.764	0.
86	0.24992	SLV_calotta	Min	-1621.044	-87.11	0.
86	0.49985	SLV_calotta	Min	-1609.116	-86.455	0.
87	0.	SLE_dreno	Max	-1597.465	-62.592	2.278E-13
87	0.24992	SLE_dreno	Max	-1586.255	-61.73	2.278E-13
87	0.49985	SLE_dreno	Max	-1575.045	-60.869	2.278E-13
87	0.	SLE_dreno	Min	-1597.465	-62.592	2.278E-13
87	0.24992	SLE_dreno	Min	-1586.255	-61.73	2.278E-13
87	0.49985	SLE_dreno	Min	-1575.045	-60.869	2.278E-13
87	0.	SLU_dreno	Max	-2076.881	-81.371	9.097E-13
87	0.24992	SLU_dreno	Max	-2062.307	-80.251	9.097E-13
87	0.49985	SLU_dreno	Max	-2047.734	-79.131	9.097E-13
87	0.	SLU_dreno	Min	-2076.881	-81.371	9.097E-13
87	0.24992	SLU_dreno	Min	-2062.307	-80.251	9.097E-13
87	0.49985	SLU_dreno	Min	-2047.734	-79.131	9.097E-13
87	0.	SLV_dreno	Max	-1760.923	-108.231	4.556E-13
87	0.24992	SLV_dreno	Max	-1748.312	-107.261	4.556E-13
87	0.49985	SLV_dreno	Max	-1735.7	-106.292	4.556E-13
87	0.	SLV_dreno	Min	-1760.923	-108.231	4.556E-13
87	0.24992	SLV_dreno	Min	-1748.312	-107.261	4.556E-13
87	0.49985	SLV_dreno	Min	-1735.7	-106.292	4.556E-13
87	0.	SLE_calotta	Max	-1457.338	-91.562	1.706E-13
87	0.24992	SLE_calotta	Max	-1446.128	-90.7	1.706E-13
87	0.49985	SLE_calotta	Max	-1434.918	-89.839	1.706E-13
87	0.	SLE_calotta	Min	-1457.338	-91.562	1.706E-13
87	0.24992	SLE_calotta	Min	-1446.128	-90.7	1.706E-13
87	0.49985	SLE_calotta	Min	-1434.918	-89.839	1.706E-13
87	0.	SLU_calotta	Max	-1894.539	-119.03	1.141E-13
87	0.24992	SLU_calotta	Max	-1879.966	-117.91	1.141E-13
87	0.49985	SLU_calotta	Max	-1865.393	-116.79	1.141E-13
87	0.	SLU_calotta	Min	-1894.539	-119.03	1.141E-13
87	0.24992	SLU_calotta	Min	-1879.966	-117.91	1.141E-13
87	0.49985	SLU_calotta	Min	-1865.393	-116.79	1.141E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
87	0.	SLV_calotta	Max	-1607.572	-19.45	9.108E-13
87	0.24992	SLV_calotta	Max	-1594.961	-18.481	9.108E-13
87	0.49985	SLV_calotta	Max	-1582.349	-17.511	9.108E-13
87	0.	SLV_calotta	Min	-1607.572	-19.45	9.108E-13
87	0.24992	SLV_calotta	Min	-1594.961	-18.481	9.108E-13
87	0.49985	SLV_calotta	Min	-1582.349	-17.511	9.108E-13
88	0.	SLE_dreno	Max	-1568.961	-40.911	3.413E-13
88	0.24992	SLE_dreno	Max	-1556.965	-39.724	3.413E-13
88	0.49985	SLE_dreno	Max	-1544.968	-38.537	3.413E-13
88	0.	SLE_dreno	Min	-1568.961	-40.911	3.413E-13
88	0.24992	SLE_dreno	Min	-1556.965	-39.724	3.413E-13
88	0.49985	SLE_dreno	Min	-1544.968	-38.537	3.413E-13
88	0.	SLU_dreno	Max	-2039.826	-53.189	4.441E-16
88	0.24992	SLU_dreno	Max	-2024.23	-51.646	4.441E-16
88	0.49985	SLU_dreno	Max	-2008.634	-50.103	4.441E-16
88	0.	SLU_dreno	Min	-2039.826	-53.189	4.441E-16
88	0.24992	SLU_dreno	Min	-2024.23	-51.646	4.441E-16
88	0.49985	SLU_dreno	Min	-2008.634	-50.103	4.441E-16
88	0.	SLV_dreno	Max	-1729.545	-67.794	1.152E-13
88	0.24992	SLV_dreno	Max	-1716.048	-66.459	1.152E-13
88	0.49985	SLV_dreno	Max	-1702.552	-65.123	1.152E-13
88	0.	SLV_dreno	Min	-1729.545	-67.794	1.152E-13
88	0.24992	SLV_dreno	Min	-1716.048	-66.459	1.152E-13
88	0.49985	SLV_dreno	Min	-1702.552	-65.123	1.152E-13
88	0.	SLE_calotta	Max	-1431.394	-52.61	1.138E-13
88	0.24992	SLE_calotta	Max	-1419.397	-51.423	1.138E-13
88	0.49985	SLE_calotta	Max	-1407.4	-50.236	1.138E-13
88	0.	SLE_calotta	Min	-1431.394	-52.61	1.138E-13
88	0.24992	SLE_calotta	Min	-1419.397	-51.423	1.138E-13
88	0.49985	SLE_calotta	Min	-1407.4	-50.236	1.138E-13
88	0.	SLU_calotta	Max	-1860.812	-68.393	2.278E-13
88	0.24992	SLU_calotta	Max	-1845.216	-66.85	2.278E-13
88	0.49985	SLU_calotta	Max	-1829.621	-65.307	2.278E-13
88	0.	SLU_calotta	Min	-1860.812	-68.393	2.278E-13
88	0.24992	SLU_calotta	Min	-1845.216	-66.85	2.278E-13
88	0.49985	SLU_calotta	Min	-1829.621	-65.307	2.278E-13
88	0.	SLV_calotta	Max	-1582.137	44.385	-2.274E-13
88	0.24992	SLV_calotta	Max	-1568.641	45.721	-2.274E-13
88	0.49985	SLV_calotta	Max	-1555.144	47.056	-2.274E-13
88	0.	SLV_calotta	Min	-1582.137	44.385	-2.274E-13
88	0.24992	SLV_calotta	Min	-1568.641	45.721	-2.274E-13
88	0.49985	SLV_calotta	Min	-1555.144	47.056	-2.274E-13
89	0.	SLE_dreno	Max	-1538.472	-20.733	1.139E-13
89	0.24992	SLE_dreno	Max	-1525.512	-19.164	1.139E-13
89	0.49985	SLE_dreno	Max	-1512.552	-17.594	1.139E-13
89	0.	SLE_dreno	Min	-1538.472	-20.733	1.139E-13
89	0.24992	SLE_dreno	Min	-1525.512	-19.164	1.139E-13
89	0.49985	SLE_dreno	Min	-1512.552	-17.594	1.139E-13
89	0.	SLU_dreno	Max	-2000.189	-26.961	2.220E-16
89	0.24992	SLU_dreno	Max	-1983.341	-24.92	2.220E-16
89	0.49985	SLU_dreno	Max	-1966.493	-22.88	2.220E-16
89	0.	SLU_dreno	Min	-2000.189	-26.961	2.220E-16
89	0.24992	SLU_dreno	Min	-1983.341	-24.92	2.220E-16
89	0.49985	SLU_dreno	Min	-1966.493	-22.88	2.220E-16
89	0.	SLV_dreno	Max	-1696.511	-29.987	1.152E-13
89	0.24992	SLV_dreno	Max	-1681.931	-28.221	1.152E-13
89	0.49985	SLV_dreno	Max	-1667.351	-26.455	1.152E-13
89	0.	SLV_dreno	Min	-1696.511	-29.987	1.152E-13
89	0.24992	SLV_dreno	Min	-1681.931	-28.221	1.152E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
89	0.49985	SLV_dreno	Min	-1667.351	-26.455	1.152E-13
89	0.	SLE_calotta	Max	-1404.339	-16.36	5.684E-14
89	0.24992	SLE_calotta	Max	-1391.379	-14.791	5.684E-14
89	0.49985	SLE_calotta	Max	-1378.419	-13.221	5.684E-14
89	0.	SLE_calotta	Min	-1404.339	-16.36	5.684E-14
89	0.24992	SLE_calotta	Min	-1391.379	-14.791	5.684E-14
89	0.49985	SLE_calotta	Min	-1378.419	-13.221	5.684E-14
89	0.	SLU_calotta	Max	-1825.64	-21.268	2.280E-13
89	0.24992	SLU_calotta	Max	-1808.792	-19.228	2.280E-13
89	0.49985	SLU_calotta	Max	-1791.944	-17.187	2.280E-13
89	0.	SLU_calotta	Min	-1825.64	-21.268	2.280E-13
89	0.24992	SLU_calotta	Min	-1808.792	-19.228	2.280E-13
89	0.49985	SLU_calotta	Min	-1791.944	-17.187	2.280E-13
89	0.	SLV_calotta	Max	-1556.171	103.87	6.821E-13
89	0.24992	SLV_calotta	Max	-1541.591	105.636	6.821E-13
89	0.49985	SLV_calotta	Max	-1527.011	107.402	6.821E-13
89	0.	SLV_calotta	Min	-1556.171	103.87	6.821E-13
89	0.24992	SLV_calotta	Min	-1541.591	105.636	6.821E-13
89	0.49985	SLV_calotta	Min	-1527.011	107.402	6.821E-13
90	0.	SLE_dreno	Max	-1505.761	-1.866	2.276E-13
90	0.24992	SLE_dreno	Max	-1491.664	0.156	2.276E-13
90	0.49985	SLE_dreno	Max	-1477.567	2.178	2.276E-13
90	0.	SLE_dreno	Min	-1505.761	-1.866	2.276E-13
90	0.24992	SLE_dreno	Min	-1491.664	0.156	2.276E-13
90	0.49985	SLE_dreno	Min	-1477.567	2.178	2.276E-13
90	0.	SLU_dreno	Max	-1957.665	-2.436	-1.819E-12
90	0.24992	SLU_dreno	Max	-1939.339	0.193	-1.819E-12
90	0.49985	SLU_dreno	Max	-1921.012	2.821	-1.819E-12
90	0.	SLU_dreno	Min	-1957.665	-2.436	-1.819E-12
90	0.24992	SLU_dreno	Min	-1939.339	0.193	-1.819E-12
90	0.49985	SLU_dreno	Min	-1921.012	2.821	-1.819E-12
90	0.	SLV_dreno	Max	-1661.496	5.392	2.269E-13
90	0.24992	SLV_dreno	Max	-1645.637	7.667	2.269E-13
90	0.49985	SLV_dreno	Max	-1629.777	9.941	2.269E-13
90	0.	SLV_dreno	Min	-1661.496	5.392	2.269E-13
90	0.24992	SLV_dreno	Min	-1645.637	7.667	2.269E-13
90	0.49985	SLV_dreno	Min	-1629.777	9.941	2.269E-13
90	0.	SLE_calotta	Max	-1375.813	17.354	5.684E-14
90	0.24992	SLE_calotta	Max	-1361.716	19.376	5.684E-14
90	0.49985	SLE_calotta	Max	-1347.619	21.398	5.684E-14
90	0.	SLE_calotta	Min	-1375.813	17.354	5.684E-14
90	0.24992	SLE_calotta	Min	-1361.716	19.376	5.684E-14
90	0.49985	SLE_calotta	Min	-1347.619	21.398	5.684E-14
90	0.	SLU_calotta	Max	-1788.557	22.56	0.
90	0.24992	SLU_calotta	Max	-1770.231	25.189	0.
90	0.49985	SLU_calotta	Max	-1751.904	27.817	0.
90	0.	SLU_calotta	Min	-1788.557	22.56	0.
90	0.24992	SLU_calotta	Min	-1770.231	25.189	0.
90	0.49985	SLU_calotta	Min	-1751.904	27.817	0.
90	0.	SLV_calotta	Max	-1529.187	159.175	4.547E-13
90	0.24992	SLV_calotta	Max	-1513.328	161.449	4.547E-13
90	0.49985	SLV_calotta	Max	-1497.468	163.724	4.547E-13
90	0.	SLV_calotta	Min	-1529.187	159.175	4.547E-13
90	0.24992	SLV_calotta	Min	-1513.328	161.449	4.547E-13
90	0.49985	SLV_calotta	Min	-1497.468	163.724	4.547E-13
91	0.	SLE_dreno	Max	-1470.604	15.904	0.
91	0.24992	SLE_dreno	Max	-1455.261	18.448	0.
91	0.49985	SLE_dreno	Max	-1439.917	20.993	0.
91	0.	SLE_dreno	Min	-1470.604	15.904	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
91	0.24992	SLE_dreno	Min	-1455.261	18.448	0.
91	0.49985	SLE_dreno	Min	-1439.917	20.993	0.
91	0.	SLU_dreno	Max	-1911.961	20.663	-2.220E-16
91	0.24992	SLU_dreno	Max	-1892.014	23.971	-2.220E-16
91	0.49985	SLU_dreno	Max	-1872.067	27.279	-2.220E-16
91	0.	SLU_dreno	Min	-1911.961	20.663	-2.220E-16
91	0.24992	SLU_dreno	Min	-1892.014	23.971	-2.220E-16
91	0.49985	SLU_dreno	Min	-1872.067	27.279	-2.220E-16
91	0.	SLV_dreno	Max	-1624.187	38.571	1.135E-13
91	0.24992	SLV_dreno	Max	-1606.925	41.434	1.135E-13
91	0.49985	SLV_dreno	Max	-1589.664	44.297	1.135E-13
91	0.	SLV_dreno	Min	-1624.187	38.571	1.135E-13
91	0.24992	SLV_dreno	Min	-1606.925	41.434	1.135E-13
91	0.49985	SLV_dreno	Min	-1589.664	44.297	1.135E-13
91	0.	SLE_calotta	Max	-1345.468	48.73	0.
91	0.24992	SLE_calotta	Max	-1330.124	51.274	0.
91	0.49985	SLE_calotta	Max	-1314.781	53.819	0.
91	0.	SLE_calotta	Min	-1345.468	48.73	0.
91	0.24992	SLE_calotta	Min	-1330.124	51.274	0.
91	0.49985	SLE_calotta	Min	-1314.781	53.819	0.
91	0.	SLU_calotta	Max	-1749.108	63.348	5.695E-14
91	0.24992	SLU_calotta	Max	-1729.162	66.657	5.695E-14
91	0.49985	SLU_calotta	Max	-1709.215	69.965	5.695E-14
91	0.	SLU_calotta	Min	-1749.108	63.348	5.695E-14
91	0.24992	SLU_calotta	Min	-1729.162	66.657	5.695E-14
91	0.49985	SLU_calotta	Min	-1709.215	69.965	5.695E-14
91	0.	SLV_calotta	Max	-1500.712	210.507	0.
91	0.24992	SLV_calotta	Max	-1483.451	213.37	0.
91	0.49985	SLV_calotta	Max	-1466.189	216.233	0.
91	0.	SLV_calotta	Min	-1500.712	210.507	0.
91	0.24992	SLV_calotta	Min	-1483.451	213.37	0.
91	0.49985	SLV_calotta	Min	-1466.189	216.233	0.
92	0.	SLE_dreno	Max	-1432.905	32.786	-1.137E-13
92	0.24992	SLE_dreno	Max	-1416.086	35.956	-1.137E-13
92	0.49985	SLE_dreno	Max	-1399.267	39.126	-1.137E-13
92	0.	SLE_dreno	Min	-1432.905	32.786	-1.137E-13
92	0.24992	SLE_dreno	Min	-1416.086	35.956	-1.137E-13
92	0.49985	SLE_dreno	Min	-1399.267	39.126	-1.137E-13
92	0.	SLU_dreno	Max	-1862.951	42.609	1.819E-12
92	0.24992	SLU_dreno	Max	-1841.087	46.729	1.819E-12
92	0.49985	SLU_dreno	Max	-1819.222	50.85	1.819E-12
92	0.	SLU_dreno	Min	-1862.951	42.609	1.819E-12
92	0.24992	SLU_dreno	Min	-1841.087	46.729	1.819E-12
92	0.49985	SLU_dreno	Min	-1819.222	50.85	1.819E-12
92	0.	SLV_dreno	Max	-1584.414	69.781	2.269E-13
92	0.24992	SLV_dreno	Max	-1565.493	73.347	2.269E-13
92	0.49985	SLV_dreno	Max	-1546.572	76.912	2.269E-13
92	0.	SLV_dreno	Min	-1584.414	69.781	2.269E-13
92	0.24992	SLV_dreno	Min	-1565.493	73.347	2.269E-13
92	0.49985	SLV_dreno	Min	-1546.572	76.912	2.269E-13
92	0.	SLE_calotta	Max	-1313.085	77.971	0.
92	0.24992	SLE_calotta	Max	-1296.266	81.14	0.
92	0.49985	SLE_calotta	Max	-1279.447	84.31	0.
92	0.	SLE_calotta	Min	-1313.085	77.971	0.
92	0.24992	SLE_calotta	Min	-1296.266	81.14	0.
92	0.49985	SLE_calotta	Min	-1279.447	84.31	0.
92	0.	SLU_calotta	Max	-1707.01	101.362	-1.138E-13
92	0.24992	SLU_calotta	Max	-1685.146	105.482	-1.138E-13
92	0.49985	SLU_calotta	Max	-1663.281	109.603	-1.138E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
92	0.	SLU_calotta	Min	-1707.01	101.362	-1.138E-13
92	0.24992	SLU_calotta	Min	-1685.146	105.482	-1.138E-13
92	0.49985	SLU_calotta	Min	-1663.281	109.603	-1.138E-13
92	0.	SLV_calotta	Max	-1470.418	258.089	-4.547E-13
92	0.24992	SLV_calotta	Max	-1451.497	261.655	-4.547E-13
92	0.49985	SLV_calotta	Max	-1432.576	265.221	-4.547E-13
92	0.	SLV_calotta	Min	-1470.418	258.089	-4.547E-13
92	0.24992	SLV_calotta	Min	-1451.497	261.655	-4.547E-13
92	0.49985	SLV_calotta	Min	-1432.576	265.221	-4.547E-13
93	0.	SLE_dreno	Max	-1392.334	49.055	-2.276E-13
93	0.24992	SLE_dreno	Max	-1373.878	52.954	-2.276E-13
93	0.49985	SLE_dreno	Max	-1355.421	56.853	-2.276E-13
93	0.	SLE_dreno	Min	-1392.334	49.055	-2.276E-13
93	0.24992	SLE_dreno	Min	-1373.878	52.954	-2.276E-13
93	0.49985	SLE_dreno	Min	-1355.421	56.853	-2.276E-13
93	0.	SLU_dreno	Max	-1810.209	63.757	-4.441E-16
93	0.24992	SLU_dreno	Max	-1786.216	68.825	-4.441E-16
93	0.49985	SLU_dreno	Max	-1762.222	73.894	-4.441E-16
93	0.	SLU_dreno	Min	-1810.209	63.757	-4.441E-16
93	0.24992	SLU_dreno	Min	-1786.216	68.825	-4.441E-16
93	0.49985	SLU_dreno	Min	-1762.222	73.894	-4.441E-16
93	0.	SLV_dreno	Max	-1541.749	99.324	-6.826E-13
93	0.24992	SLV_dreno	Max	-1520.985	103.711	-6.826E-13
93	0.49985	SLV_dreno	Max	-1500.222	108.097	-6.826E-13
93	0.	SLV_dreno	Min	-1541.749	99.324	-6.826E-13
93	0.24992	SLV_dreno	Min	-1520.985	103.711	-6.826E-13
93	0.49985	SLV_dreno	Min	-1500.222	108.097	-6.826E-13
93	0.	SLE_calotta	Max	-1278.214	105.352	-1.704E-13
93	0.24992	SLE_calotta	Max	-1259.757	109.251	-1.704E-13
93	0.49985	SLE_calotta	Max	-1241.301	113.15	-1.704E-13
93	0.	SLE_calotta	Min	-1278.214	105.352	-1.704E-13
93	0.24992	SLE_calotta	Min	-1259.757	109.251	-1.704E-13
93	0.49985	SLE_calotta	Min	-1241.301	113.15	-1.704E-13
93	0.	SLU_calotta	Max	-1661.678	136.957	-1.137E-13
93	0.24992	SLU_calotta	Max	-1637.684	142.026	-1.137E-13
93	0.49985	SLU_calotta	Max	-1613.691	147.095	-1.137E-13
93	0.	SLU_calotta	Min	-1661.678	136.957	-1.137E-13
93	0.24992	SLU_calotta	Min	-1637.684	142.026	-1.137E-13
93	0.49985	SLU_calotta	Min	-1613.691	147.095	-1.137E-13
93	0.	SLV_calotta	Max	-1437.719	302.23	-4.547E-13
93	0.24992	SLV_calotta	Max	-1416.956	306.616	-4.547E-13
93	0.49985	SLV_calotta	Max	-1396.193	311.003	-4.547E-13
93	0.	SLV_calotta	Min	-1437.719	302.23	-4.547E-13
93	0.24992	SLV_calotta	Min	-1416.956	306.616	-4.547E-13
93	0.49985	SLV_calotta	Min	-1396.193	311.003	-4.547E-13
94	0.	SLE_dreno	Max	-1348.7	64.983	-4.552E-13
94	0.24992	SLE_dreno	Max	-1329.725	69.428	-4.552E-13
94	0.49985	SLE_dreno	Max	-1310.75	73.873	-4.552E-13
94	0.	SLE_dreno	Min	-1348.7	64.983	-4.552E-13
94	0.24992	SLE_dreno	Min	-1329.725	69.428	-4.552E-13
94	0.49985	SLE_dreno	Min	-1310.75	73.873	-4.552E-13
94	0.	SLU_dreno	Max	-1753.484	84.463	-3.638E-12
94	0.24992	SLU_dreno	Max	-1728.817	90.242	-3.638E-12
94	0.49985	SLU_dreno	Max	-1704.15	96.02	-3.638E-12
94	0.	SLU_dreno	Min	-1753.484	84.463	-3.638E-12
94	0.24992	SLU_dreno	Min	-1728.817	90.242	-3.638E-12
94	0.49985	SLU_dreno	Min	-1704.15	96.02	-3.638E-12
94	0.	SLV_dreno	Max	-1495.916	127.512	-2.274E-13
94	0.24992	SLV_dreno	Max	-1474.569	132.512	-2.274E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
94	0.49985	SLV_dreno	Max	-1453.222	137.513	-2.274E-13
94	0.	SLV_dreno	Min	-1495.916	127.512	-2.274E-13
94	0.24992	SLV_dreno	Min	-1474.569	132.512	-2.274E-13
94	0.49985	SLV_dreno	Min	-1453.222	137.513	-2.274E-13
94	0.	SLE_calotta	Max	-1240.543	131.158	-1.138E-13
94	0.24992	SLE_calotta	Max	-1221.568	135.603	-1.138E-13
94	0.49985	SLE_calotta	Max	-1202.594	140.048	-1.138E-13
94	0.	SLE_calotta	Min	-1240.543	131.158	-1.138E-13
94	0.24992	SLE_calotta	Min	-1221.568	135.603	-1.138E-13
94	0.49985	SLE_calotta	Min	-1202.594	140.048	-1.138E-13
94	0.	SLU_calotta	Max	-1612.706	170.506	-1.144E-13
94	0.24992	SLU_calotta	Max	-1588.039	176.284	-1.144E-13
94	0.49985	SLU_calotta	Max	-1563.372	182.063	-1.144E-13
94	0.	SLU_calotta	Min	-1612.706	170.506	-1.144E-13
94	0.24992	SLU_calotta	Min	-1588.039	176.284	-1.144E-13
94	0.49985	SLU_calotta	Min	-1563.372	182.063	-1.144E-13
94	0.	SLV_calotta	Max	-1402.185	343.253	8.882E-16
94	0.24992	SLV_calotta	Max	-1380.839	348.254	8.882E-16
94	0.49985	SLV_calotta	Max	-1359.492	353.254	8.882E-16
94	0.	SLV_calotta	Min	-1402.185	343.253	8.882E-16
94	0.24992	SLV_calotta	Min	-1380.839	348.254	8.882E-16
94	0.49985	SLV_calotta	Min	-1359.492	353.254	8.882E-16
95	0.	SLE_dreno	Max	-1132.447	-616.591	-1.137E-13
95	0.25538	SLE_dreno	Max	-1119.724	-603.147	-1.137E-13
95	0.51075	SLE_dreno	Max	-1107.002	-589.703	-1.137E-13
95	0.	SLE_dreno	Min	-1132.447	-616.591	-1.137E-13
95	0.25538	SLE_dreno	Min	-1119.724	-603.147	-1.137E-13
95	0.51075	SLE_dreno	Min	-1107.002	-589.703	-1.137E-13
95	0.	SLU_dreno	Max	-1472.319	-801.671	-1.819E-12
95	0.25538	SLU_dreno	Max	-1455.78	-784.194	-1.819E-12
95	0.51075	SLU_dreno	Max	-1439.241	-766.717	-1.819E-12
95	0.	SLU_dreno	Min	-1472.319	-801.671	-1.819E-12
95	0.25538	SLU_dreno	Min	-1455.78	-784.194	-1.819E-12
95	0.51075	SLU_dreno	Min	-1439.241	-766.717	-1.819E-12
95	0.	SLV_dreno	Max	-1291.866	-631.026	-8.882E-16
95	0.25538	SLV_dreno	Max	-1277.553	-615.902	-8.882E-16
95	0.51075	SLV_dreno	Max	-1263.24	-600.777	-8.882E-16
95	0.	SLV_dreno	Min	-1291.866	-631.026	-8.882E-16
95	0.25538	SLV_dreno	Min	-1277.553	-615.902	-8.882E-16
95	0.51075	SLV_dreno	Min	-1263.24	-600.777	-8.882E-16
95	0.	SLE_calotta	Max	-1087.223	-501.83	-5.695E-14
95	0.25538	SLE_calotta	Max	-1074.5	-488.386	-5.695E-14
95	0.51075	SLE_calotta	Max	-1061.778	-474.942	-5.695E-14
95	0.	SLE_calotta	Min	-1087.223	-501.83	-5.695E-14
95	0.25538	SLE_calotta	Min	-1074.5	-488.386	-5.695E-14
95	0.51075	SLE_calotta	Min	-1061.778	-474.942	-5.695E-14
95	0.	SLU_calotta	Max	-1413.389	-652.379	-1.110E-16
95	0.25538	SLU_calotta	Max	-1396.85	-634.902	-1.110E-16
95	0.51075	SLU_calotta	Max	-1380.311	-617.425	-1.110E-16
95	0.	SLU_calotta	Min	-1413.389	-652.379	-1.110E-16
95	0.25538	SLU_calotta	Min	-1396.85	-634.902	-1.110E-16
95	0.51075	SLU_calotta	Min	-1380.311	-617.425	-1.110E-16
95	0.	SLV_calotta	Max	-1343.387	-398.112	-2.283E-13
95	0.25538	SLV_calotta	Max	-1329.074	-382.988	-2.283E-13
95	0.51075	SLV_calotta	Max	-1314.762	-367.864	-2.283E-13
95	0.	SLV_calotta	Min	-1343.387	-398.112	-2.283E-13
95	0.25538	SLV_calotta	Min	-1329.074	-382.988	-2.283E-13
95	0.51075	SLV_calotta	Min	-1314.762	-367.864	-2.283E-13
96	0.	SLE_dreno	Max	-1067.467	-582.473	0.



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
96	0.25538	SLE_dreno	Max	-1056.037	-569.406	0.
96	0.51075	SLE_dreno	Max	-1044.607	-556.339	0.
96	0.	SLE_dreno	Min	-1067.467	-582.473	0.
96	0.25538	SLE_dreno	Min	-1056.037	-569.406	0.
96	0.51075	SLE_dreno	Min	-1044.607	-556.339	0.
96	0.	SLU_dreno	Max	-1387.842	-757.316	-1.819E-12
96	0.25538	SLU_dreno	Max	-1372.983	-740.329	-1.819E-12
96	0.51075	SLU_dreno	Max	-1358.124	-723.342	-1.819E-12
96	0.	SLU_dreno	Min	-1387.842	-757.316	-1.819E-12
96	0.25538	SLU_dreno	Min	-1372.983	-740.329	-1.819E-12
96	0.51075	SLU_dreno	Min	-1358.124	-723.342	-1.819E-12
96	0.	SLV_dreno	Max	-1225.759	-589.401	-2.269E-13
96	0.25538	SLV_dreno	Max	-1212.9	-574.701	-2.269E-13
96	0.51075	SLV_dreno	Max	-1200.041	-560.001	-2.269E-13
96	0.	SLV_dreno	Min	-1225.759	-589.401	-2.269E-13
96	0.25538	SLV_dreno	Min	-1212.9	-574.701	-2.269E-13
96	0.51075	SLV_dreno	Min	-1200.041	-560.001	-2.269E-13
96	0.	SLE_calotta	Max	-1035.959	-469.465	5.673E-14
96	0.25538	SLE_calotta	Max	-1024.529	-456.399	5.673E-14
96	0.51075	SLE_calotta	Max	-1013.098	-443.332	5.673E-14
96	0.	SLE_calotta	Min	-1035.959	-469.465	5.673E-14
96	0.25538	SLE_calotta	Min	-1024.529	-456.399	5.673E-14
96	0.51075	SLE_calotta	Min	-1013.098	-443.332	5.673E-14
96	0.	SLU_calotta	Max	-1346.746	-610.305	1.132E-13
96	0.25538	SLU_calotta	Max	-1331.887	-593.318	1.132E-13
96	0.51075	SLU_calotta	Max	-1317.028	-576.331	1.132E-13
96	0.	SLU_calotta	Min	-1346.746	-610.305	1.132E-13
96	0.25538	SLU_calotta	Min	-1331.887	-593.318	1.132E-13
96	0.51075	SLU_calotta	Min	-1317.028	-576.331	1.132E-13
96	0.	SLV_calotta	Max	-1297.692	-361.679	0.
96	0.25538	SLV_calotta	Max	-1284.833	-346.979	0.
96	0.51075	SLV_calotta	Max	-1271.974	-332.279	0.
96	0.	SLV_calotta	Min	-1297.692	-361.679	0.
96	0.25538	SLV_calotta	Min	-1284.833	-346.979	0.
96	0.51075	SLV_calotta	Min	-1271.974	-332.279	0.
97	0.	SLE_dreno	Max	-1007.644	-548.804	2.274E-13
97	0.25538	SLE_dreno	Max	-997.296	-535.995	2.274E-13
97	0.51075	SLE_dreno	Max	-986.947	-523.186	2.274E-13
97	0.	SLE_dreno	Min	-1007.644	-548.804	2.274E-13
97	0.25538	SLE_dreno	Min	-997.296	-535.995	2.274E-13
97	0.51075	SLE_dreno	Min	-986.947	-523.186	2.274E-13
97	0.	SLU_dreno	Max	-1310.068	-713.544	9.099E-13
97	0.25538	SLU_dreno	Max	-1296.615	-696.892	9.099E-13
97	0.51075	SLU_dreno	Max	-1283.162	-680.24	9.099E-13
97	0.	SLU_dreno	Min	-1310.068	-713.544	9.099E-13
97	0.25538	SLU_dreno	Min	-1296.615	-696.892	9.099E-13
97	0.51075	SLU_dreno	Min	-1283.162	-680.24	9.099E-13
97	0.	SLV_dreno	Max	-1165.222	-549.146	2.285E-13
97	0.25538	SLV_dreno	Max	-1153.58	-534.736	2.285E-13
97	0.51075	SLV_dreno	Max	-1141.938	-520.326	2.285E-13
97	0.	SLV_dreno	Min	-1165.222	-549.146	2.285E-13
97	0.25538	SLV_dreno	Min	-1153.58	-534.736	2.285E-13
97	0.51075	SLV_dreno	Min	-1141.938	-520.326	2.285E-13
97	0.	SLE_calotta	Max	-988.94	-438.627	1.138E-13
97	0.25538	SLE_calotta	Max	-978.592	-425.818	1.138E-13
97	0.51075	SLE_calotta	Max	-968.243	-413.009	1.138E-13
97	0.	SLE_calotta	Min	-988.94	-438.627	1.138E-13
97	0.25538	SLE_calotta	Min	-978.592	-425.818	1.138E-13
97	0.51075	SLE_calotta	Min	-968.243	-413.009	1.138E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
97	0.	SLU_calotta	Max	-1285.622	-570.215	1.140E-13
97	0.25538	SLU_calotta	Max	-1272.169	-553.563	1.140E-13
97	0.51075	SLU_calotta	Max	-1258.716	-536.911	1.140E-13
97	0.	SLU_calotta	Min	-1285.622	-570.215	1.140E-13
97	0.25538	SLU_calotta	Min	-1272.169	-553.563	1.140E-13
97	0.51075	SLU_calotta	Min	-1258.716	-536.911	1.140E-13
97	0.	SLV_calotta	Max	-1256.301	-328.176	4.547E-13
97	0.25538	SLV_calotta	Max	-1244.659	-313.766	4.547E-13
97	0.51075	SLV_calotta	Max	-1233.017	-299.356	4.547E-13
97	0.	SLV_calotta	Min	-1256.301	-328.176	4.547E-13
97	0.25538	SLV_calotta	Min	-1244.659	-313.766	4.547E-13
97	0.51075	SLV_calotta	Min	-1233.017	-299.356	4.547E-13
98	0.	SLE_dreno	Max	-952.559	-515.558	3.417E-13
98	0.25538	SLE_dreno	Max	-943.178	-502.968	3.417E-13
98	0.51075	SLE_dreno	Max	-933.796	-490.378	3.417E-13
98	0.	SLE_dreno	Min	-952.559	-515.558	3.417E-13
98	0.25538	SLE_dreno	Min	-943.178	-502.968	3.417E-13
98	0.51075	SLE_dreno	Min	-933.796	-490.378	3.417E-13
98	0.	SLU_dreno	Max	-1238.454	-670.322	2.220E-16
98	0.25538	SLU_dreno	Max	-1226.258	-653.955	2.220E-16
98	0.51075	SLU_dreno	Max	-1214.061	-637.588	2.220E-16
98	0.	SLU_dreno	Min	-1238.454	-670.322	2.220E-16
98	0.25538	SLU_dreno	Min	-1226.258	-653.955	2.220E-16
98	0.51075	SLU_dreno	Min	-1214.061	-637.588	2.220E-16
98	0.	SLV_dreno	Max	-1109.749	-510.163	6.835E-13
98	0.25538	SLV_dreno	Max	-1099.195	-495.999	6.835E-13
98	0.51075	SLV_dreno	Max	-1088.641	-481.835	6.835E-13
98	0.	SLV_dreno	Min	-1109.749	-510.163	6.835E-13
98	0.25538	SLV_dreno	Min	-1099.195	-495.999	6.835E-13
98	0.51075	SLV_dreno	Min	-1088.641	-481.835	6.835E-13
98	0.	SLE_calotta	Max	-945.709	-409.14	2.275E-13
98	0.25538	SLE_calotta	Max	-936.327	-396.55	2.275E-13
98	0.51075	SLE_calotta	Max	-926.946	-383.96	2.275E-13
98	0.	SLE_calotta	Min	-945.709	-409.14	2.275E-13
98	0.25538	SLE_calotta	Min	-936.327	-396.55	2.275E-13
98	0.51075	SLE_calotta	Min	-926.946	-383.96	2.275E-13
98	0.	SLU_calotta	Max	-1229.422	-531.882	2.284E-13
98	0.25538	SLU_calotta	Max	-1217.226	-515.515	2.284E-13
98	0.51075	SLU_calotta	Max	-1205.029	-499.148	2.284E-13
98	0.	SLU_calotta	Min	-1229.422	-531.882	2.284E-13
98	0.25538	SLU_calotta	Min	-1217.226	-515.515	2.284E-13
98	0.51075	SLU_calotta	Min	-1205.029	-499.148	2.284E-13
98	0.	SLV_calotta	Max	-1218.653	-297.309	9.113E-13
98	0.25538	SLV_calotta	Max	-1208.098	-283.145	9.113E-13
98	0.51075	SLV_calotta	Max	-1197.544	-268.982	9.113E-13
98	0.	SLV_calotta	Min	-1218.653	-297.309	9.113E-13
98	0.25538	SLV_calotta	Min	-1208.098	-283.145	9.113E-13
98	0.51075	SLV_calotta	Min	-1197.544	-268.982	9.113E-13
99	0.	SLE_dreno	Max	-901.961	-482.851	6.830E-13
99	0.25538	SLE_dreno	Max	-893.838	-471.009	6.830E-13
99	0.51075	SLE_dreno	Max	-885.714	-459.166	6.830E-13
99	0.	SLE_dreno	Min	-901.961	-482.851	6.830E-13
99	0.25538	SLE_dreno	Min	-893.838	-471.009	6.830E-13
99	0.51075	SLE_dreno	Min	-885.714	-459.166	6.830E-13
99	0.	SLU_dreno	Max	-1172.673	-627.799	1.820E-12
99	0.25538	SLU_dreno	Max	-1162.112	-612.404	1.820E-12
99	0.51075	SLU_dreno	Max	-1151.551	-597.009	1.820E-12
99	0.	SLU_dreno	Min	-1172.673	-627.799	1.820E-12
99	0.25538	SLU_dreno	Min	-1162.112	-612.404	1.820E-12

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
99	0.51075	SLU_dreno	Min	-1151.551	-597.009	1.820E-12
99	0.	SLV_dreno	Max	-1059.029	-472.509	1.025E-12
99	0.25538	SLV_dreno	Max	-1049.89	-459.186	1.025E-12
99	0.51075	SLV_dreno	Max	-1040.751	-445.864	1.025E-12
99	0.	SLV_dreno	Min	-1059.029	-472.509	1.025E-12
99	0.25538	SLV_dreno	Min	-1049.89	-459.186	1.025E-12
99	0.51075	SLV_dreno	Min	-1040.751	-445.864	1.025E-12
99	0.	SLE_calotta	Max	-905.995	-380.976	3.415E-13
99	0.25538	SLE_calotta	Max	-897.871	-369.134	3.415E-13
99	0.51075	SLE_calotta	Max	-889.748	-357.292	3.415E-13
99	0.	SLE_calotta	Min	-905.995	-380.976	3.415E-13
99	0.25538	SLE_calotta	Min	-897.871	-369.134	3.415E-13
99	0.51075	SLE_calotta	Min	-889.748	-357.292	3.415E-13
99	0.	SLU_calotta	Max	-1177.794	-495.269	4.557E-13
99	0.25538	SLU_calotta	Max	-1167.233	-479.874	4.557E-13
99	0.51075	SLU_calotta	Max	-1156.672	-464.479	4.557E-13
99	0.	SLU_calotta	Min	-1177.794	-495.269	4.557E-13
99	0.25538	SLU_calotta	Min	-1167.233	-479.874	4.557E-13
99	0.51075	SLU_calotta	Min	-1156.672	-464.479	4.557E-13
99	0.	SLV_calotta	Max	-1184.404	-268.946	1.366E-12
99	0.25538	SLV_calotta	Max	-1175.265	-255.624	1.366E-12
99	0.51075	SLV_calotta	Max	-1166.126	-242.301	1.366E-12
99	0.	SLV_calotta	Min	-1184.404	-268.946	1.366E-12
99	0.25538	SLV_calotta	Min	-1175.265	-255.624	1.366E-12
99	0.51075	SLV_calotta	Min	-1166.126	-242.301	1.366E-12
100	0.	SLE_dreno	Max	-856.346	-451.935	6.828E-13
100	0.25538	SLE_dreno	Max	-848.692	-439.784	6.828E-13
100	0.51075	SLE_dreno	Max	-841.038	-427.633	6.828E-13
100	0.	SLE_dreno	Min	-856.346	-451.935	6.828E-13
100	0.25538	SLE_dreno	Min	-848.692	-439.784	6.828E-13
100	0.51075	SLE_dreno	Min	-841.038	-427.633	6.828E-13
100	0.	SLU_dreno	Max	-1113.369	-587.604	9.097E-13
100	0.25538	SLU_dreno	Max	-1103.419	-571.808	9.097E-13
100	0.51075	SLU_dreno	Max	-1093.469	-556.012	9.097E-13
100	0.	SLU_dreno	Min	-1113.369	-587.604	9.097E-13
100	0.25538	SLU_dreno	Min	-1103.419	-571.808	9.097E-13
100	0.51075	SLU_dreno	Min	-1093.469	-556.012	9.097E-13
100	0.	SLV_dreno	Max	-1013.598	-437.527	6.848E-13
100	0.25538	SLV_dreno	Max	-1004.987	-423.857	6.848E-13
100	0.51075	SLV_dreno	Max	-996.376	-410.188	6.848E-13
100	0.	SLV_dreno	Min	-1013.598	-437.527	6.848E-13
100	0.25538	SLV_dreno	Min	-1004.987	-423.857	6.848E-13
100	0.51075	SLV_dreno	Min	-996.376	-410.188	6.848E-13
100	0.	SLE_calotta	Max	-870.29	-355.254	1.708E-13
100	0.25538	SLE_calotta	Max	-862.636	-343.103	1.708E-13
100	0.51075	SLE_calotta	Max	-854.983	-330.952	1.708E-13
100	0.	SLE_calotta	Min	-870.29	-355.254	1.708E-13
100	0.25538	SLE_calotta	Min	-862.636	-343.103	1.708E-13
100	0.51075	SLE_calotta	Min	-854.983	-330.952	1.708E-13
100	0.	SLU_calotta	Max	-1131.377	-461.83	2.854E-13
100	0.25538	SLU_calotta	Max	-1121.427	-446.034	2.854E-13
100	0.51075	SLU_calotta	Max	-1111.477	-430.238	2.854E-13
100	0.	SLU_calotta	Min	-1131.377	-461.83	2.854E-13
100	0.25538	SLU_calotta	Min	-1121.427	-446.034	2.854E-13
100	0.51075	SLU_calotta	Min	-1111.477	-430.238	2.854E-13
100	0.	SLV_calotta	Max	-1154.082	-244.25	9.108E-13
100	0.25538	SLV_calotta	Max	-1145.472	-230.58	9.108E-13
100	0.51075	SLV_calotta	Max	-1136.861	-216.91	9.108E-13
100	0.	SLV_calotta	Min	-1154.082	-244.25	9.108E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
100	0.25538	SLV_calotta	Min	-1145.472	-230.58	9.108E-13
100	0.51075	SLV_calotta	Min	-1136.861	-216.91	9.108E-13
101	0.	SLE_dreno	Max	-806.169	-435.623	5.689E-13
101	0.25195	SLE_dreno	Max	-799.316	-423.222	5.689E-13
101	0.5039	SLE_dreno	Max	-792.463	-410.822	5.689E-13
101	0.	SLE_dreno	Min	-806.169	-435.623	5.689E-13
101	0.25195	SLE_dreno	Min	-799.316	-423.222	5.689E-13
101	0.5039	SLE_dreno	Min	-792.463	-410.822	5.689E-13
101	0.	SLU_dreno	Max	-1048.134	-566.396	1.820E-12
101	0.25195	SLU_dreno	Max	-1039.225	-550.276	1.820E-12
101	0.5039	SLU_dreno	Max	-1030.317	-534.155	1.820E-12
101	0.	SLU_dreno	Min	-1048.134	-566.396	1.820E-12
101	0.25195	SLU_dreno	Min	-1039.225	-550.276	1.820E-12
101	0.5039	SLU_dreno	Min	-1030.317	-534.155	1.820E-12
101	0.	SLV_dreno	Max	-963.911	-420.62	6.841E-13
101	0.25195	SLV_dreno	Max	-956.201	-406.67	6.841E-13
101	0.5039	SLV_dreno	Max	-948.492	-392.719	6.841E-13
101	0.	SLV_dreno	Min	-963.911	-420.62	6.841E-13
101	0.25195	SLV_dreno	Min	-956.201	-406.67	6.841E-13
101	0.5039	SLV_dreno	Min	-948.492	-392.719	6.841E-13
101	0.	SLE_calotta	Max	-830.665	-345.104	2.844E-13
101	0.25195	SLE_calotta	Max	-823.812	-332.704	2.844E-13
101	0.5039	SLE_calotta	Max	-816.959	-320.303	2.844E-13
101	0.	SLE_calotta	Min	-830.665	-345.104	2.844E-13
101	0.25195	SLE_calotta	Min	-823.812	-332.704	2.844E-13
101	0.5039	SLE_calotta	Min	-816.959	-320.303	2.844E-13
101	0.	SLU_calotta	Max	-1079.864	-448.635	2.854E-13
101	0.25195	SLU_calotta	Max	-1070.956	-432.515	2.854E-13
101	0.5039	SLU_calotta	Max	-1062.047	-416.394	2.854E-13
101	0.	SLU_calotta	Min	-1079.864	-448.635	2.854E-13
101	0.25195	SLU_calotta	Min	-1070.956	-432.515	2.854E-13
101	0.5039	SLU_calotta	Min	-1062.047	-416.394	2.854E-13
101	0.	SLV_calotta	Max	-1121.369	-241.299	9.104E-13
101	0.25195	SLV_calotta	Max	-1113.66	-227.348	9.104E-13
101	0.5039	SLV_calotta	Max	-1105.95	-213.398	9.104E-13
101	0.	SLV_calotta	Min	-1121.369	-241.299	9.104E-13
101	0.25195	SLV_calotta	Min	-1113.66	-227.348	9.104E-13
101	0.5039	SLV_calotta	Min	-1105.95	-213.398	9.104E-13
102	0.	SLE_dreno	Max	-768.385	-402.934	2.276E-13
102	0.25195	SLE_dreno	Max	-762.001	-390.286	2.276E-13
102	0.5039	SLE_dreno	Max	-755.616	-377.638	2.276E-13
102	0.	SLE_dreno	Min	-768.385	-402.934	2.276E-13
102	0.25195	SLE_dreno	Min	-762.001	-390.286	2.276E-13
102	0.5039	SLE_dreno	Min	-755.616	-377.638	2.276E-13
102	0.	SLU_dreno	Max	-999.012	-523.896	-9.093E-13
102	0.25195	SLU_dreno	Max	-990.712	-507.453	-9.093E-13
102	0.5039	SLU_dreno	Max	-982.412	-491.011	-9.093E-13
102	0.	SLU_dreno	Min	-999.012	-523.896	-9.093E-13
102	0.25195	SLU_dreno	Min	-990.712	-507.453	-9.093E-13
102	0.5039	SLU_dreno	Min	-982.412	-491.011	-9.093E-13
102	0.	SLV_dreno	Max	-926.376	-384.8	3.415E-13
102	0.25195	SLV_dreno	Max	-919.193	-370.571	3.415E-13
102	0.5039	SLV_dreno	Max	-912.011	-356.342	3.415E-13
102	0.	SLV_dreno	Min	-926.376	-384.8	3.415E-13
102	0.25195	SLV_dreno	Min	-919.193	-370.571	3.415E-13
102	0.5039	SLV_dreno	Min	-912.011	-356.342	3.415E-13
102	0.	SLE_calotta	Max	-800.578	-318.65	1.706E-13
102	0.25195	SLE_calotta	Max	-794.193	-306.002	1.706E-13
102	0.5039	SLE_calotta	Max	-787.809	-293.354	1.706E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
102	0.	SLE_calotta	Min	-800.578	-318.65	1.706E-13
102	0.25195	SLE_calotta	Min	-794.193	-306.002	1.706E-13
102	0.5039	SLE_calotta	Min	-787.809	-293.354	1.706E-13
102	0.	SLU_calotta	Max	-1040.751	-414.244	1.141E-13
102	0.25195	SLU_calotta	Max	-1032.451	-397.802	1.141E-13
102	0.5039	SLU_calotta	Max	-1024.151	-381.36	1.141E-13
102	0.	SLV_calotta	Min	-1040.751	-414.244	1.141E-13
102	0.25195	SLV_calotta	Min	-1032.451	-397.802	1.141E-13
102	0.5039	SLV_calotta	Min	-1024.151	-381.36	1.141E-13
102	0.	SLV_calotta	Max	-1095.679	-217.217	4.552E-13
102	0.25195	SLV_calotta	Max	-1088.497	-202.988	4.552E-13
102	0.5039	SLV_calotta	Max	-1081.314	-188.759	4.552E-13
102	0.	SLV_calotta	Min	-1095.679	-217.217	4.552E-13
102	0.25195	SLV_calotta	Min	-1088.497	-202.988	4.552E-13
102	0.5039	SLV_calotta	Min	-1081.314	-188.759	4.552E-13
103	0.	SLE_dreno	Max	-733.818	-370.352	2.276E-13
103	0.25195	SLE_dreno	Max	-727.911	-357.474	2.276E-13
103	0.5039	SLE_dreno	Max	-722.004	-344.596	2.276E-13
103	0.	SLE_dreno	Min	-733.818	-370.352	2.276E-13
103	0.25195	SLE_dreno	Min	-727.911	-357.474	2.276E-13
103	0.5039	SLE_dreno	Min	-722.004	-344.596	2.276E-13
103	0.	SLU_dreno	Max	-954.072	-481.534	-2.220E-16
103	0.25195	SLU_dreno	Max	-946.393	-464.793	-2.220E-16
103	0.5039	SLU_dreno	Max	-938.714	-448.052	-2.220E-16
103	0.	SLU_dreno	Min	-954.072	-481.534	-2.220E-16
103	0.25195	SLU_dreno	Min	-946.393	-464.793	-2.220E-16
103	0.5039	SLU_dreno	Min	-938.714	-448.052	-2.220E-16
103	0.	SLV_dreno	Max	-892.133	-349.529	1.139E-13
103	0.25195	SLV_dreno	Max	-885.487	-335.042	1.139E-13
103	0.5039	SLV_dreno	Max	-878.842	-320.554	1.139E-13
103	0.	SLV_dreno	Min	-892.133	-349.529	1.139E-13
103	0.25195	SLV_dreno	Min	-885.487	-335.042	1.139E-13
103	0.5039	SLV_dreno	Min	-878.842	-320.554	1.139E-13
103	0.	SLE_calotta	Max	-772.848	-292.567	1.138E-13
103	0.25195	SLE_calotta	Max	-766.941	-279.689	1.138E-13
103	0.5039	SLE_calotta	Max	-761.034	-266.811	1.138E-13
103	0.	SLE_calotta	Min	-772.848	-292.567	1.138E-13
103	0.25195	SLE_calotta	Min	-766.941	-279.689	1.138E-13
103	0.5039	SLE_calotta	Min	-761.034	-266.811	1.138E-13
103	0.	SLU_calotta	Max	-1004.703	-380.336	5.695E-14
103	0.25195	SLU_calotta	Max	-997.023	-363.595	5.695E-14
103	0.5039	SLU_calotta	Max	-989.344	-346.854	5.695E-14
103	0.	SLU_calotta	Min	-1004.703	-380.336	5.695E-14
103	0.25195	SLU_calotta	Min	-997.023	-363.595	5.695E-14
103	0.5039	SLU_calotta	Min	-989.344	-346.854	5.695E-14
103	0.	SLV_calotta	Max	-1072.063	-194.149	2.269E-13
103	0.25195	SLV_calotta	Max	-1065.418	-179.661	2.269E-13
103	0.5039	SLV_calotta	Max	-1058.772	-165.174	2.269E-13
103	0.	SLV_calotta	Min	-1072.063	-194.149	2.269E-13
103	0.25195	SLV_calotta	Min	-1065.418	-179.661	2.269E-13
103	0.5039	SLV_calotta	Min	-1058.772	-165.174	2.269E-13
104	0.	SLE_dreno	Max	-702.415	-337.957	1.137E-13
104	0.25195	SLE_dreno	Max	-696.993	-324.867	1.137E-13
104	0.5039	SLE_dreno	Max	-691.572	-311.778	1.137E-13
104	0.	SLE_dreno	Min	-702.415	-337.957	1.137E-13
104	0.25195	SLE_dreno	Min	-696.993	-324.867	1.137E-13
104	0.5039	SLE_dreno	Min	-691.572	-311.778	1.137E-13
104	0.	SLU_dreno	Max	-913.245	-439.416	-9.095E-13
104	0.25195	SLU_dreno	Max	-906.197	-422.399	-9.095E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
104	0.5039	SLU_dreno	Max	-899.149	-405.382	-9.095E-13
104	0.	SLU_dreno	Min	-913.245	-439.416	-9.095E-13
104	0.25195	SLU_dreno	Min	-906.197	-422.399	-9.095E-13
104	0.5039	SLU_dreno	Min	-899.149	-405.382	-9.095E-13
104	0.	SLV_dreno	Max	-861.124	-314.847	1.137E-13
104	0.25195	SLV_dreno	Max	-855.025	-300.122	1.137E-13
104	0.5039	SLV_dreno	Max	-848.926	-285.396	1.137E-13
104	0.	SLV_dreno	Min	-861.124	-314.847	1.137E-13
104	0.25195	SLV_dreno	Min	-855.025	-300.122	1.137E-13
104	0.5039	SLV_dreno	Min	-848.926	-285.396	1.137E-13
104	0.	SLE_calotta	Max	-747.466	-266.855	2.853E-14
104	0.25195	SLE_calotta	Max	-742.044	-253.766	2.853E-14
104	0.5039	SLE_calotta	Max	-736.623	-240.676	2.853E-14
104	0.	SLE_calotta	Min	-747.466	-266.855	2.853E-14
104	0.25195	SLE_calotta	Min	-742.044	-253.766	2.853E-14
104	0.5039	SLE_calotta	Min	-736.623	-240.676	2.853E-14
104	0.	SLU_calotta	Max	-971.706	-346.912	1.139E-13
104	0.25195	SLU_calotta	Max	-964.658	-329.896	1.139E-13
104	0.5039	SLU_calotta	Max	-957.61	-312.879	1.139E-13
104	0.	SLU_calotta	Min	-971.706	-346.912	1.139E-13
104	0.25195	SLU_calotta	Min	-964.658	-329.896	1.139E-13
104	0.5039	SLU_calotta	Min	-957.61	-312.879	1.139E-13
104	0.	SLV_calotta	Max	-1050.513	-172.025	2.269E-13
104	0.25195	SLV_calotta	Max	-1044.414	-157.299	2.269E-13
104	0.5039	SLV_calotta	Max	-1038.314	-142.573	2.269E-13
104	0.	SLV_calotta	Min	-1050.513	-172.025	2.269E-13
104	0.25195	SLV_calotta	Min	-1044.414	-157.299	2.269E-13
104	0.5039	SLV_calotta	Min	-1038.314	-142.573	2.269E-13
105	0.	SLE_dreno	Max	-674.114	-305.81	1.110E-16
105	0.25195	SLE_dreno	Max	-669.186	-292.527	1.110E-16
105	0.5039	SLE_dreno	Max	-664.258	-279.244	1.110E-16
105	0.	SLE_dreno	Min	-674.114	-305.81	1.110E-16
105	0.25195	SLE_dreno	Min	-669.186	-292.527	1.110E-16
105	0.5039	SLE_dreno	Min	-664.258	-279.244	1.110E-16
105	0.	SLU_dreno	Max	-876.451	-397.619	1.819E-12
105	0.25195	SLU_dreno	Max	-870.045	-380.351	1.819E-12
105	0.5039	SLU_dreno	Max	-863.638	-363.082	1.819E-12
105	0.	SLU_dreno	Min	-876.451	-397.619	1.819E-12
105	0.25195	SLU_dreno	Min	-870.045	-380.351	1.819E-12
105	0.5039	SLU_dreno	Min	-863.638	-363.082	1.819E-12
105	0.	SLV_dreno	Max	-833.286	-280.778	-1.135E-13
105	0.25195	SLV_dreno	Max	-827.742	-265.834	-1.135E-13
105	0.5039	SLV_dreno	Max	-822.198	-250.891	-1.135E-13
105	0.	SLV_dreno	Min	-833.286	-280.778	-1.135E-13
105	0.25195	SLV_dreno	Min	-827.742	-265.834	-1.135E-13
105	0.5039	SLV_dreno	Min	-822.198	-250.891	-1.135E-13
105	0.	SLE_calotta	Max	-724.417	-241.51	2.842E-14
105	0.25195	SLE_calotta	Max	-719.489	-228.227	2.842E-14
105	0.5039	SLE_calotta	Max	-714.561	-214.944	2.842E-14
105	0.	SLE_calotta	Min	-724.417	-241.51	2.842E-14
105	0.25195	SLE_calotta	Min	-719.489	-228.227	2.842E-14
105	0.5039	SLE_calotta	Min	-714.561	-214.944	2.842E-14
105	0.	SLU_calotta	Max	-941.743	-313.963	2.220E-16
105	0.25195	SLU_calotta	Max	-935.336	-296.695	2.220E-16
105	0.5039	SLU_calotta	Max	-928.929	-279.427	2.220E-16
105	0.	SLU_calotta	Min	-941.743	-313.963	2.220E-16
105	0.25195	SLU_calotta	Min	-935.336	-296.695	2.220E-16
105	0.5039	SLU_calotta	Min	-928.929	-279.427	2.220E-16
105	0.	SLV_calotta	Max	-1031.022	-150.774	4.441E-16

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
105	0.25195	SLV_calotta	Max	-1025.478	-135.83	4.441E-16
105	0.5039	SLV_calotta	Max	-1019.934	-120.887	4.441E-16
105	0.	SLV_calotta	Min	-1031.022	-150.774	4.441E-16
105	0.25195	SLV_calotta	Min	-1025.478	-135.83	4.441E-16
105	0.5039	SLV_calotta	Min	-1019.934	-120.887	4.441E-16
106	0.	SLE_dreno	Max	-648.85	-273.953	-1.138E-13
106	0.25195	SLE_dreno	Max	-644.421	-260.494	-1.138E-13
106	0.5039	SLE_dreno	Max	-639.993	-247.036	-1.138E-13
106	0.	SLE_dreno	Min	-648.85	-273.953	-1.138E-13
106	0.25195	SLE_dreno	Min	-644.421	-260.494	-1.138E-13
106	0.5039	SLE_dreno	Min	-639.993	-247.036	-1.138E-13
106	0.	SLU_dreno	Max	-843.605	-356.198	0.
106	0.25195	SLU_dreno	Max	-837.849	-338.702	0.
106	0.5039	SLU_dreno	Max	-832.092	-321.207	0.
106	0.	SLU_dreno	Min	-843.605	-356.198	0.
106	0.25195	SLU_dreno	Min	-837.849	-338.702	0.
106	0.5039	SLU_dreno	Min	-832.092	-321.207	0.
106	0.	SLV_dreno	Max	-808.552	-247.325	1.137E-13
106	0.25195	SLV_dreno	Max	-803.57	-232.185	1.137E-13
106	0.5039	SLV_dreno	Max	-798.588	-217.044	1.137E-13
106	0.	SLV_dreno	Min	-808.552	-247.325	1.137E-13
106	0.25195	SLV_dreno	Min	-803.57	-232.185	1.137E-13
106	0.5039	SLV_dreno	Min	-798.588	-217.044	1.137E-13
106	0.	SLE_calotta	Max	-703.687	-216.518	-5.684E-14
106	0.25195	SLE_calotta	Max	-699.259	-203.06	-5.684E-14
106	0.5039	SLE_calotta	Max	-694.831	-189.602	-5.684E-14
106	0.	SLE_calotta	Min	-703.687	-216.518	-5.684E-14
106	0.25195	SLE_calotta	Min	-699.259	-203.06	-5.684E-14
106	0.5039	SLE_calotta	Min	-694.831	-189.602	-5.684E-14
106	0.	SLU_calotta	Max	-914.793	-281.473	1.110E-16
106	0.25195	SLU_calotta	Max	-909.036	-263.978	1.110E-16
106	0.5039	SLU_calotta	Max	-903.28	-246.482	1.110E-16
106	0.	SLU_calotta	Min	-914.793	-281.473	1.110E-16
106	0.25195	SLU_calotta	Min	-909.036	-263.978	1.110E-16
106	0.5039	SLU_calotta	Min	-903.28	-246.482	1.110E-16
106	0.	SLV_calotta	Max	-1013.584	-130.322	-2.274E-13
106	0.25195	SLV_calotta	Max	-1008.603	-115.182	-2.274E-13
106	0.5039	SLV_calotta	Max	-1003.621	-100.041	-2.274E-13
106	0.	SLV_calotta	Min	-1013.584	-130.322	-2.274E-13
106	0.25195	SLV_calotta	Min	-1008.603	-115.182	-2.274E-13
106	0.5039	SLV_calotta	Min	-1003.621	-100.041	-2.274E-13
107	0.	SLE_dreno	Max	-626.553	-242.409	-1.136E-13
107	0.25195	SLE_dreno	Max	-622.631	-228.794	-1.136E-13
107	0.5039	SLE_dreno	Max	-618.709	-215.18	-1.136E-13
107	0.	SLE_dreno	Min	-626.553	-242.409	-1.136E-13
107	0.25195	SLE_dreno	Min	-622.631	-228.794	-1.136E-13
107	0.5039	SLE_dreno	Min	-618.709	-215.18	-1.136E-13
107	0.	SLU_dreno	Max	-814.617	-315.184	-9.095E-13
107	0.25195	SLU_dreno	Max	-809.519	-297.486	-9.095E-13
107	0.5039	SLU_dreno	Max	-804.42	-279.787	-9.095E-13
107	0.	SLU_dreno	Min	-814.617	-315.184	-9.095E-13
107	0.25195	SLU_dreno	Min	-809.519	-297.486	-9.095E-13
107	0.5039	SLU_dreno	Min	-804.42	-279.787	-9.095E-13
107	0.	SLV_dreno	Max	-786.853	-214.478	0.
107	0.25195	SLV_dreno	Max	-782.441	-199.162	0.
107	0.5039	SLV_dreno	Max	-778.028	-183.846	0.
107	0.	SLV_dreno	Min	-786.853	-214.478	0.
107	0.25195	SLV_dreno	Min	-782.441	-199.162	0.
107	0.5039	SLV_dreno	Min	-778.028	-183.846	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
107	0.	SLE_calotta	Max	-685.258	-191.859	0.
107	0.25195	SLE_calotta	Max	-681.336	-178.245	0.
107	0.5039	SLE_calotta	Max	-677.414	-164.63	0.
107	0.	SLE_calotta	Min	-685.258	-191.859	0.
107	0.25195	SLE_calotta	Min	-681.336	-178.245	0.
107	0.5039	SLE_calotta	Min	-677.414	-164.63	0.
107	0.	SLU_calotta	Max	-890.835	-249.417	-5.701E-14
107	0.25195	SLU_calotta	Max	-885.737	-231.718	-5.701E-14
107	0.5039	SLU_calotta	Max	-880.638	-214.02	-5.701E-14
107	0.	SLU_calotta	Min	-890.835	-249.417	-5.701E-14
107	0.25195	SLU_calotta	Min	-885.737	-231.718	-5.701E-14
107	0.5039	SLU_calotta	Min	-880.638	-214.02	-5.701E-14
107	0.	SLV_calotta	Max	-998.194	-110.595	-1.137E-13
107	0.25195	SLV_calotta	Max	-993.782	-95.278	-1.137E-13
107	0.5039	SLV_calotta	Max	-989.37	-79.962	-1.137E-13
107	0.	SLV_calotta	Min	-998.194	-110.595	-1.137E-13
107	0.25195	SLV_calotta	Min	-993.782	-95.278	-1.137E-13
107	0.5039	SLV_calotta	Min	-989.37	-79.962	-1.137E-13
108	0.	SLE_dreno	Max	-607.156	-211.186	1.708E-13
108	0.25195	SLE_dreno	Max	-603.746	-197.434	1.708E-13
108	0.5039	SLE_dreno	Max	-600.336	-183.683	1.708E-13
108	0.	SLE_dreno	Min	-607.156	-211.186	1.708E-13
108	0.25195	SLE_dreno	Min	-603.746	-197.434	1.708E-13
108	0.5039	SLE_dreno	Min	-600.336	-183.683	1.708E-13
108	0.	SLU_dreno	Max	-789.399	-274.588	2.220E-16
108	0.25195	SLU_dreno	Max	-784.966	-256.711	2.220E-16
108	0.5039	SLU_dreno	Max	-780.533	-238.834	2.220E-16
108	0.	SLU_dreno	Min	-789.399	-274.588	2.220E-16
108	0.25195	SLU_dreno	Min	-784.966	-256.711	2.220E-16
108	0.5039	SLU_dreno	Min	-780.533	-238.834	2.220E-16
108	0.	SLV_dreno	Max	-768.122	-182.212	2.278E-13
108	0.25195	SLV_dreno	Max	-764.286	-166.741	2.278E-13
108	0.5039	SLV_dreno	Max	-760.449	-151.271	2.278E-13
108	0.	SLV_dreno	Min	-768.122	-182.212	2.278E-13
108	0.25195	SLV_dreno	Min	-764.286	-166.741	2.278E-13
108	0.5039	SLV_dreno	Min	-760.449	-151.271	2.278E-13
108	0.	SLE_calotta	Max	-669.113	-167.509	5.690E-14
108	0.25195	SLE_calotta	Max	-665.703	-153.757	5.690E-14
108	0.5039	SLE_calotta	Max	-662.293	-140.006	5.690E-14
108	0.	SLE_calotta	Min	-669.113	-167.509	5.690E-14
108	0.25195	SLE_calotta	Min	-665.703	-153.757	5.690E-14
108	0.5039	SLE_calotta	Min	-662.293	-140.006	5.690E-14
108	0.	SLU_calotta	Max	-869.847	-217.761	5.551E-17
108	0.25195	SLU_calotta	Max	-865.414	-199.884	5.551E-17
108	0.5039	SLU_calotta	Max	-860.981	-182.007	5.551E-17
108	0.	SLU_calotta	Min	-869.847	-217.761	5.551E-17
108	0.25195	SLU_calotta	Min	-865.414	-199.884	5.551E-17
108	0.5039	SLU_calotta	Min	-860.981	-182.007	5.551E-17
108	0.	SLV_calotta	Max	-984.846	-91.514	3.411E-13
108	0.25195	SLV_calotta	Max	-981.009	-76.044	3.411E-13
108	0.5039	SLV_calotta	Max	-977.173	-60.573	3.411E-13
108	0.	SLV_calotta	Min	-984.846	-91.514	3.411E-13
108	0.25195	SLV_calotta	Min	-981.009	-76.044	3.411E-13
108	0.5039	SLV_calotta	Min	-977.173	-60.573	3.411E-13
109	0.	SLE_dreno	Max	-590.593	-180.273	1.708E-13
109	0.25195	SLE_dreno	Max	-587.699	-166.404	1.708E-13
109	0.5039	SLE_dreno	Max	-584.806	-152.535	1.708E-13
109	0.	SLE_dreno	Min	-590.593	-180.273	1.708E-13
109	0.25195	SLE_dreno	Min	-587.699	-166.404	1.708E-13



Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
109	0.5039	SLE_dreno	Min	-584.806	-152.535	1.708E-13
109	0.	SLU_dreno	Max	-767.866	-234.395	2.220E-16
109	0.25195	SLU_dreno	Max	-764.104	-216.365	2.220E-16
109	0.5039	SLU_dreno	Max	-760.343	-198.335	2.220E-16
109	0.	SLU_dreno	Min	-767.866	-234.395	2.220E-16
109	0.25195	SLU_dreno	Min	-764.104	-216.365	2.220E-16
109	0.5039	SLU_dreno	Min	-760.343	-198.335	2.220E-16
109	0.	SLV_dreno	Max	-752.296	-150.483	8.882E-16
109	0.25195	SLV_dreno	Max	-749.04	-134.88	8.882E-16
109	0.5039	SLV_dreno	Max	-745.785	-119.277	8.882E-16
109	0.	SLV_dreno	Min	-752.296	-150.483	8.882E-16
109	0.25195	SLV_dreno	Min	-749.04	-134.88	8.882E-16
109	0.5039	SLV_dreno	Min	-745.785	-119.277	8.882E-16
109	0.	SLE_calotta	Max	-655.235	-143.435	8.538E-14
109	0.25195	SLE_calotta	Max	-652.342	-129.566	8.538E-14
109	0.5039	SLE_calotta	Max	-649.448	-115.697	8.538E-14
109	0.	SLE_calotta	Min	-655.235	-143.435	8.538E-14
109	0.25195	SLE_calotta	Min	-652.342	-129.566	8.538E-14
109	0.5039	SLE_calotta	Min	-649.448	-115.697	8.538E-14
109	0.	SLU_calotta	Max	-851.806	-186.466	5.712E-14
109	0.25195	SLU_calotta	Max	-848.044	-168.436	5.712E-14
109	0.5039	SLU_calotta	Max	-844.282	-150.405	5.712E-14
109	0.	SLU_calotta	Min	-851.806	-186.466	5.712E-14
109	0.25195	SLU_calotta	Min	-848.044	-168.436	5.712E-14
109	0.5039	SLU_calotta	Min	-844.282	-150.405	5.712E-14
109	0.	SLV_calotta	Max	-973.534	-73.002	4.556E-13
109	0.25195	SLV_calotta	Max	-970.278	-57.399	4.556E-13
109	0.5039	SLV_calotta	Max	-967.023	-41.796	4.556E-13
109	0.	SLV_calotta	Min	-973.534	-73.002	4.556E-13
109	0.25195	SLV_calotta	Min	-970.278	-57.399	4.556E-13
109	0.5039	SLV_calotta	Min	-967.023	-41.796	4.556E-13
110	0.	SLE_dreno	Max	-576.804	-149.648	1.138E-13
110	0.25195	SLE_dreno	Max	-574.431	-135.68	1.138E-13
110	0.5039	SLE_dreno	Max	-572.058	-121.712	1.138E-13
110	0.	SLE_dreno	Min	-576.804	-149.648	1.138E-13
110	0.25195	SLE_dreno	Min	-574.431	-135.68	1.138E-13
110	0.5039	SLE_dreno	Min	-572.058	-121.712	1.138E-13
110	0.	SLU_dreno	Max	-749.939	-194.575	9.097E-13
110	0.25195	SLU_dreno	Max	-746.854	-176.416	9.097E-13
110	0.5039	SLU_dreno	Max	-743.769	-158.258	9.097E-13
110	0.	SLU_dreno	Min	-749.939	-194.575	9.097E-13
110	0.25195	SLU_dreno	Min	-746.854	-176.416	9.097E-13
110	0.5039	SLU_dreno	Min	-743.769	-158.258	9.097E-13
110	0.	SLV_dreno	Max	-739.315	-119.236	2.276E-13
110	0.25195	SLV_dreno	Max	-736.645	-103.523	2.276E-13
110	0.5039	SLV_dreno	Max	-733.975	-87.809	2.276E-13
110	0.	SLV_dreno	Min	-739.315	-119.236	2.276E-13
110	0.25195	SLV_dreno	Min	-736.645	-103.523	2.276E-13
110	0.5039	SLV_dreno	Min	-733.975	-87.809	2.276E-13
110	0.	SLE_calotta	Max	-643.609	-119.602	5.690E-14
110	0.25195	SLE_calotta	Max	-641.236	-105.634	5.690E-14
110	0.5039	SLE_calotta	Max	-638.863	-91.667	5.690E-14
110	0.	SLE_calotta	Min	-643.609	-119.602	5.690E-14
110	0.25195	SLE_calotta	Min	-641.236	-105.634	5.690E-14
110	0.5039	SLE_calotta	Min	-638.863	-91.667	5.690E-14
110	0.	SLU_calotta	Max	-836.691	-155.483	1.138E-13
110	0.25195	SLU_calotta	Max	-833.606	-137.325	1.138E-13
110	0.5039	SLU_calotta	Max	-830.521	-119.167	1.138E-13
110	0.	SLU_calotta	Min	-836.691	-155.483	1.138E-13

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
110	0.25195	SLU_calotta	Min	-833.606	-137.325	1.138E-13
110	0.5039	SLU_calotta	Min	-830.521	-119.167	1.138E-13
110	0.	SLV_calotta	Max	-964.254	-54.978	0.
110	0.25195	SLV_calotta	Max	-961.585	-39.264	0.
110	0.5039	SLV_calotta	Max	-958.915	-23.55	0.
110	0.	SLV_calotta	Min	-964.254	-54.978	0.
110	0.25195	SLV_calotta	Min	-961.585	-39.264	0.
110	0.5039	SLV_calotta	Min	-958.915	-23.55	0.
111	0.	SLE_dreno	Max	-565.735	-119.271	1.705E-13
111	0.25195	SLE_dreno	Max	-563.886	-105.225	1.705E-13
111	0.5039	SLE_dreno	Max	-562.037	-91.178	1.705E-13
111	0.	SLE_dreno	Min	-565.735	-119.271	1.705E-13
111	0.25195	SLE_dreno	Min	-563.886	-105.225	1.705E-13
111	0.5039	SLE_dreno	Min	-562.037	-91.178	1.705E-13
111	0.	SLU_dreno	Max	-735.548	-155.078	1.110E-16
111	0.25195	SLU_dreno	Max	-733.144	-136.818	1.110E-16
111	0.5039	SLU_dreno	Max	-730.74	-118.557	1.110E-16
111	0.	SLU_dreno	Min	-735.548	-155.078	1.110E-16
111	0.25195	SLU_dreno	Min	-733.144	-136.818	1.110E-16
111	0.5039	SLU_dreno	Min	-730.74	-118.557	1.110E-16
111	0.	SLV_dreno	Max	-729.127	-88.407	1.139E-13
111	0.25195	SLV_dreno	Max	-727.047	-72.604	1.139E-13
111	0.5039	SLV_dreno	Max	-724.966	-56.801	1.139E-13
111	0.	SLV_dreno	Min	-729.127	-88.407	1.139E-13
111	0.25195	SLV_dreno	Min	-727.047	-72.604	1.139E-13
111	0.5039	SLV_dreno	Min	-724.966	-56.801	1.139E-13
111	0.	SLE_calotta	Max	-634.22	-95.969	2.848E-14
111	0.25195	SLE_calotta	Max	-632.37	-81.922	2.848E-14
111	0.5039	SLE_calotta	Max	-630.521	-67.876	2.848E-14
111	0.	SLE_calotta	Min	-634.22	-95.969	2.848E-14
111	0.25195	SLE_calotta	Min	-632.37	-81.922	2.848E-14
111	0.5039	SLE_calotta	Min	-630.521	-67.876	2.848E-14
111	0.	SLU_calotta	Max	-824.485	-124.76	2.848E-14
111	0.25195	SLU_calotta	Max	-822.082	-106.499	2.848E-14
111	0.5039	SLU_calotta	Max	-819.678	-88.238	2.848E-14
111	0.	SLU_calotta	Min	-824.485	-124.76	2.848E-14
111	0.25195	SLU_calotta	Min	-822.082	-106.499	2.848E-14
111	0.5039	SLU_calotta	Min	-819.678	-88.238	2.848E-14
111	0.	SLV_calotta	Max	-957.003	-37.36	2.274E-13
111	0.25195	SLV_calotta	Max	-954.923	-21.557	2.274E-13
111	0.5039	SLV_calotta	Max	-952.843	-5.754	2.274E-13
111	0.	SLV_calotta	Min	-957.003	-37.36	2.274E-13
111	0.25195	SLV_calotta	Min	-954.923	-21.557	2.274E-13
111	0.5039	SLV_calotta	Min	-952.843	-5.754	2.274E-13
112	0.	SLE_dreno	Max	-557.342	-89.097	-5.695E-14
112	0.25195	SLE_dreno	Max	-556.019	-74.991	-5.695E-14
112	0.5039	SLE_dreno	Max	-554.696	-60.885	-5.695E-14
112	0.	SLE_dreno	Min	-557.342	-89.097	-5.695E-14
112	0.25195	SLE_dreno	Min	-556.019	-74.991	-5.695E-14
112	0.5039	SLE_dreno	Min	-554.696	-60.885	-5.695E-14
112	0.	SLU_dreno	Max	-724.636	-115.844	1.819E-12
112	0.25195	SLU_dreno	Max	-722.916	-97.506	1.819E-12
112	0.5039	SLU_dreno	Max	-721.197	-79.168	1.819E-12
112	0.	SLU_dreno	Min	-724.636	-115.844	1.819E-12
112	0.25195	SLU_dreno	Min	-722.916	-97.506	1.819E-12
112	0.5039	SLU_dreno	Min	-721.197	-79.168	1.819E-12
112	0.	SLV_dreno	Max	-721.689	-57.917	-4.441E-16
112	0.25195	SLV_dreno	Max	-720.201	-42.048	-4.441E-16
112	0.5039	SLV_dreno	Max	-718.713	-26.178	-4.441E-16

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
112	0.	SLV_dreno	Min	-721.689	-57.917	-4.441E-16
112	0.25195	SLV_dreno	Min	-720.201	-42.048	-4.441E-16
112	0.5039	SLV_dreno	Min	-718.713	-26.178	-4.441E-16
112	0.	SLE_calotta	Max	-627.056	-72.491	-2.842E-14
112	0.25195	SLE_calotta	Max	-625.733	-58.385	-2.842E-14
112	0.5039	SLE_calotta	Max	-624.41	-44.279	-2.842E-14
112	0.	SLE_calotta	Min	-627.056	-72.491	-2.842E-14
112	0.25195	SLE_calotta	Min	-625.733	-58.385	-2.842E-14
112	0.5039	SLE_calotta	Min	-624.41	-44.279	-2.842E-14
112	0.	SLU_calotta	Max	-815.173	-94.239	-2.859E-14
112	0.25195	SLU_calotta	Max	-813.453	-75.901	-2.859E-14
112	0.5039	SLU_calotta	Max	-811.734	-57.563	-2.859E-14
112	0.	SLU_calotta	Min	-815.173	-94.239	-2.859E-14
112	0.25195	SLU_calotta	Min	-813.453	-75.901	-2.859E-14
112	0.5039	SLU_calotta	Min	-811.734	-57.563	-2.859E-14
112	0.	SLV_calotta	Max	-951.777	-20.066	-1.132E-13
112	0.25195	SLV_calotta	Max	-950.289	-4.197	-1.132E-13
112	0.5039	SLV_calotta	Max	-948.801	11.673	-1.132E-13
112	0.	SLV_calotta	Min	-951.777	-20.066	-1.132E-13
112	0.25195	SLV_calotta	Min	-950.289	-4.197	-1.132E-13
112	0.5039	SLV_calotta	Min	-948.801	11.673	-1.132E-13
113	0.	SLE_dreno	Max	-551.589	-59.067	-5.684E-14
113	0.25195	SLE_dreno	Max	-550.795	-44.921	-5.684E-14
113	0.5039	SLE_dreno	Max	-550.	-30.775	-5.684E-14
113	0.	SLE_dreno	Min	-551.589	-59.067	-5.684E-14
113	0.25195	SLE_dreno	Min	-550.795	-44.921	-5.684E-14
113	0.5039	SLE_dreno	Min	-550.	-30.775	-5.684E-14
113	0.	SLU_dreno	Max	-717.157	-76.798	9.095E-13
113	0.25195	SLU_dreno	Max	-716.124	-58.408	9.095E-13
113	0.5039	SLU_dreno	Max	-715.092	-40.019	9.095E-13
113	0.	SLU_dreno	Min	-717.157	-76.798	9.095E-13
113	0.25195	SLU_dreno	Min	-716.124	-58.408	9.095E-13
113	0.5039	SLU_dreno	Min	-715.092	-40.019	9.095E-13
113	0.	SLV_dreno	Max	-716.967	-27.683	-1.139E-13
113	0.25195	SLV_dreno	Max	-716.073	-11.769	-1.139E-13
113	0.5039	SLV_dreno	Max	-715.18	4.145	-1.139E-13
113	0.	SLV_dreno	Min	-716.967	-27.683	-1.139E-13
113	0.25195	SLV_dreno	Min	-716.073	-11.769	-1.139E-13
113	0.5039	SLV_dreno	Min	-715.18	4.145	-1.139E-13
113	0.	SLE_calotta	Max	-622.108	-49.121	-2.848E-14
113	0.25195	SLE_calotta	Max	-621.314	-34.975	-2.848E-14
113	0.5039	SLE_calotta	Max	-620.52	-20.829	-2.848E-14
113	0.	SLE_calotta	Min	-622.108	-49.121	-2.848E-14
113	0.25195	SLE_calotta	Min	-621.314	-34.975	-2.848E-14
113	0.5039	SLE_calotta	Min	-620.52	-20.829	-2.848E-14
113	0.	SLU_calotta	Max	-808.741	-63.857	-5.701E-14
113	0.25195	SLU_calotta	Max	-807.708	-45.467	-5.701E-14
113	0.5039	SLU_calotta	Max	-806.676	-27.078	-5.701E-14
113	0.	SLU_calotta	Min	-808.741	-63.857	-5.701E-14
113	0.25195	SLU_calotta	Min	-807.708	-45.467	-5.701E-14
113	0.5039	SLU_calotta	Min	-806.676	-27.078	-5.701E-14
113	0.	SLV_calotta	Max	-948.573	-3.013	-2.274E-13
113	0.25195	SLV_calotta	Max	-947.68	12.9	-2.274E-13
113	0.5039	SLV_calotta	Max	-946.786	28.814	-2.274E-13
113	0.	SLV_calotta	Min	-948.573	-3.013	-2.274E-13
113	0.25195	SLV_calotta	Min	-947.68	12.9	-2.274E-13
113	0.5039	SLV_calotta	Min	-946.786	28.814	-2.274E-13
114	0.	SLE_dreno	Max	-548.454	-29.118	-1.138E-13
114	0.25195	SLE_dreno	Max	-548.189	-14.952	-1.138E-13

**Table 21: Element Forces - Frames, Part 1 of 2**

Frame	Station m	OutputCase	StepType	P KN	V2 KN	V3 KN
114	0.5039	SLE_dreno	Max	-547.924	-0.787	-1.138E-13
114	0.	SLE_dreno	Min	-548.454	-29.118	-1.138E-13
114	0.25195	SLE_dreno	Min	-548.189	-14.952	-1.138E-13
114	0.5039	SLE_dreno	Min	-547.924	-0.787	-1.138E-13
114	0.	SLU_dreno	Max	-713.081	-37.857	-4.547E-13
114	0.25195	SLU_dreno	Max	-712.737	-19.442	-4.547E-13
114	0.5039	SLU_dreno	Max	-712.392	-1.027	-4.547E-13
114	0.	SLU_dreno	Min	-713.081	-37.857	-4.547E-13
114	0.25195	SLU_dreno	Min	-712.737	-19.442	-4.547E-13
114	0.5039	SLU_dreno	Min	-712.392	-1.027	-4.547E-13
114	0.	SLV_dreno	Max	-714.937	2.386	-1.141E-13
114	0.25195	SLV_dreno	Max	-714.639	18.322	-1.141E-13
114	0.5039	SLV_dreno	Max	-714.341	34.258	-1.141E-13
114	0.	SLV_dreno	Min	-714.937	2.386	-1.141E-13
114	0.25195	SLV_dreno	Min	-714.639	18.322	-1.141E-13
114	0.5039	SLV_dreno	Min	-714.341	34.258	-1.141E-13
114	0.	SLE_calotta	Max	-619.371	-25.807	5.551E-17
114	0.25195	SLE_calotta	Max	-619.107	-11.642	5.551E-17
114	0.5039	SLE_calotta	Max	-618.842	2.524	5.551E-17
114	0.	SLE_calotta	Min	-619.371	-25.807	5.551E-17
114	0.25195	SLE_calotta	Min	-619.107	-11.642	5.551E-17
114	0.5039	SLE_calotta	Min	-618.842	2.524	5.551E-17
114	0.	SLU_calotta	Max	-805.183	-33.549	-5.695E-14
114	0.25195	SLU_calotta	Max	-804.838	-15.134	-5.695E-14
114	0.5039	SLU_calotta	Max	-804.494	3.281	-5.695E-14
114	0.	SLU_calotta	Min	-805.183	-33.549	-5.695E-14
114	0.25195	SLU_calotta	Min	-804.838	-15.134	-5.695E-14
114	0.5039	SLU_calotta	Min	-804.494	3.281	-5.695E-14
114	0.	SLV_calotta	Max	-947.389	13.882	-2.283E-13
114	0.25195	SLV_calotta	Max	-947.091	29.818	-2.283E-13
114	0.5039	SLV_calotta	Max	-946.793	45.755	-2.283E-13
114	0.	SLV_calotta	Min	-947.389	13.882	-2.283E-13
114	0.25195	SLV_calotta	Min	-947.091	29.818	-2.283E-13
114	0.5039	SLV_calotta	Min	-946.793	45.755	-2.283E-13

**Table 21: Element Forces - Frames, Part 2 of 2**

**Table 21: Element Forces - Frames, Part 2 of 2**

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
1	0.	SLE_dreno	Max	-2.214E-13	-1.394E-12	1669.0169
1	0.25195	SLE_dreno	Max	-2.214E-13	-1.365E-12	1667.0341
1	0.5039	SLE_dreno	Max	-2.214E-13	-1.337E-12	1661.4823
1	0.	SLE_dreno	Min	-2.214E-13	-1.394E-12	1669.0169
1	0.25195	SLE_dreno	Min	-2.214E-13	-1.365E-12	1667.0341
1	0.5039	SLE_dreno	Min	-2.214E-13	-1.337E-12	1661.4823
1	0.	SLU_dreno	Max	-2.845E-13	-1.821E-12	2170.078
1	0.25195	SLU_dreno	Max	-2.845E-13	-1.591E-12	2167.4995
1	0.5039	SLU_dreno	Max	-2.845E-13	-1.362E-12	2160.2813
1	0.	SLU_dreno	Min	-2.845E-13	-1.821E-12	2170.078
1	0.25195	SLU_dreno	Min	-2.845E-13	-1.591E-12	2167.4995
1	0.5039	SLU_dreno	Min	-2.845E-13	-1.362E-12	2160.2813
1	0.	SLV_dreno	Max	-3.523E-13	-1.781E-12	1637.3565
1	0.25195	SLV_dreno	Max	-3.523E-13	-1.724E-12	1627.1987
1	0.5039	SLV_dreno	Max	-3.523E-13	-1.667E-12	1613.0258
1	0.	SLV_dreno	Min	-3.523E-13	-1.781E-12	1637.3565
1	0.25195	SLV_dreno	Min	-3.523E-13	-1.724E-12	1627.1987
1	0.5039	SLV_dreno	Min	-3.523E-13	-1.667E-12	1613.0258

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
1	0.	SLE_calotta	Max	-9.846E-14	-5.974E-13	1311.5795
1	0.25195	SLE_calotta	Max	-9.846E-14	-5.831E-13	1310.431
1	0.5039	SLE_calotta	Max	-9.846E-14	-5.687E-13	1305.7134
1	0.	SLE_calotta	Min	-9.846E-14	-5.974E-13	1311.5795
1	0.25195	SLE_calotta	Min	-9.846E-14	-5.831E-13	1310.431
1	0.5039	SLE_calotta	Min	-9.846E-14	-5.687E-13	1305.7134
1	0.	SLU_calotta	Max	-1.278E-13	-7.696E-13	1705.0534
1	0.25195	SLU_calotta	Max	-1.278E-13	-7.481E-13	1703.5602
1	0.5039	SLU_calotta	Max	-1.278E-13	-7.266E-13	1697.4274
1	0.	SLU_calotta	Min	-1.278E-13	-7.696E-13	1705.0534
1	0.25195	SLU_calotta	Min	-1.278E-13	-7.481E-13	1703.5602
1	0.5039	SLU_calotta	Min	-1.278E-13	-7.266E-13	1697.4274
1	0.	SLV_calotta	Max	-5.365E-13	-2.760E-12	724.9972
1	0.25195	SLV_calotta	Max	-5.365E-13	-2.702E-12	715.2608
1	0.5039	SLV_calotta	Max	-5.365E-13	-2.645E-12	701.5094
1	0.	SLV_calotta	Min	-5.365E-13	-2.760E-12	724.9972
1	0.25195	SLV_calotta	Min	-5.365E-13	-2.702E-12	715.2608
1	0.5039	SLV_calotta	Min	-5.365E-13	-2.645E-12	701.5094
2	0.	SLE_dreno	Max	-2.676E-13	-1.266E-12	1661.4823
2	0.25195	SLE_dreno	Max	-2.676E-13	-1.237E-12	1651.9465
2	0.5039	SLE_dreno	Max	-2.676E-13	-1.209E-12	1638.8466
2	0.	SLE_dreno	Min	-2.676E-13	-1.266E-12	1661.4823
2	0.25195	SLE_dreno	Min	-2.676E-13	-1.237E-12	1651.9465
2	0.5039	SLE_dreno	Min	-2.676E-13	-1.209E-12	1638.8466
2	0.	SLU_dreno	Max	-3.414E-13	-1.707E-12	2160.2813
2	0.25195	SLU_dreno	Max	-3.414E-13	-1.707E-12	2147.8819
2	0.5039	SLU_dreno	Max	-3.414E-13	-1.707E-12	2130.8494
2	0.	SLU_dreno	Min	-3.414E-13	-1.707E-12	2160.2813
2	0.25195	SLU_dreno	Min	-3.414E-13	-1.707E-12	2147.8819
2	0.5039	SLU_dreno	Min	-3.414E-13	-1.707E-12	2130.8494
2	0.	SLV_dreno	Max	-4.115E-13	-1.625E-12	1613.0258
2	0.25195	SLV_dreno	Max	-4.115E-13	-1.567E-12	1595.3108
2	0.5039	SLV_dreno	Max	-4.115E-13	-1.510E-12	1573.5864
2	0.	SLV_dreno	Min	-4.115E-13	-1.625E-12	1613.0258
2	0.25195	SLV_dreno	Min	-4.115E-13	-1.567E-12	1595.3108
2	0.5039	SLV_dreno	Min	-4.115E-13	-1.510E-12	1573.5864
2	0.	SLE_calotta	Max	-1.176E-13	-5.405E-13	1305.7134
2	0.25195	SLE_calotta	Max	-1.176E-13	-5.190E-13	1298.6835
2	0.5039	SLE_calotta	Max	-1.176E-13	-4.975E-13	1288.0897
2	0.	SLE_calotta	Min	-1.176E-13	-5.405E-13	1305.7134
2	0.25195	SLE_calotta	Min	-1.176E-13	-5.190E-13	1298.6835
2	0.5039	SLE_calotta	Min	-1.176E-13	-4.975E-13	1288.0897
2	0.	SLU_calotta	Max	-1.541E-13	-7.197E-13	1697.4274
2	0.25195	SLU_calotta	Max	-1.541E-13	-6.839E-13	1688.2886
2	0.5039	SLU_calotta	Max	-1.541E-13	-6.480E-13	1674.5165
2	0.	SLU_calotta	Min	-1.541E-13	-7.197E-13	1697.4274
2	0.25195	SLU_calotta	Min	-1.541E-13	-6.839E-13	1688.2886
2	0.5039	SLU_calotta	Min	-1.541E-13	-6.480E-13	1674.5165
2	0.	SLV_calotta	Max	-6.330E-13	-2.560E-12	701.5094
2	0.25195	SLV_calotta	Max	-6.330E-13	-2.474E-12	687.5384
2	0.5039	SLV_calotta	Max	-6.330E-13	-2.388E-12	669.5579
2	0.	SLV_calotta	Min	-6.330E-13	-2.560E-12	701.5094
2	0.25195	SLV_calotta	Min	-6.330E-13	-2.474E-12	687.5384
2	0.5039	SLV_calotta	Min	-6.330E-13	-2.388E-12	669.5579
3	0.	SLE_dreno	Max	-3.138E-13	-1.195E-12	1638.8466
3	0.25195	SLE_dreno	Max	-3.138E-13	-1.152E-12	1621.7297
3	0.5039	SLE_dreno	Max	-3.138E-13	-1.109E-12	1601.0587
3	0.	SLE_dreno	Min	-3.138E-13	-1.195E-12	1638.8466
3	0.25195	SLE_dreno	Min	-3.138E-13	-1.152E-12	1621.7297

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
3	0.5039	SLE_dreno	Min	-3.138E-13	-1.109E-12	1601.0587
3	0.	SLU_dreno	Max	-4.125E-13	-1.366E-12	2130.8494
3	0.25195	SLU_dreno	Max	-4.125E-13	-1.595E-12	2108.5929
3	0.5039	SLU_dreno	Max	-4.125E-13	-1.824E-12	2081.7161
3	0.	SLU_dreno	Min	-4.125E-13	-1.366E-12	2130.8494
3	0.25195	SLU_dreno	Min	-4.125E-13	-1.595E-12	2108.5929
3	0.5039	SLU_dreno	Min	-4.125E-13	-1.824E-12	2081.7161
3	0.	SLV_dreno	Max	-4.694E-13	-1.482E-12	1573.5864
3	0.25195	SLV_dreno	Max	-4.694E-13	-1.453E-12	1548.2977
3	0.5039	SLV_dreno	Max	-4.694E-13	-1.425E-12	1519.0107
3	0.	SLV_dreno	Min	-4.694E-13	-1.482E-12	1573.5864
3	0.25195	SLV_dreno	Min	-4.694E-13	-1.453E-12	1548.2977
3	0.5039	SLV_dreno	Min	-4.694E-13	-1.425E-12	1519.0107
3	0.	SLE_calotta	Max	-1.378E-13	-5.192E-13	1288.0897
3	0.25195	SLE_calotta	Max	-1.378E-13	-4.977E-13	1275.1566
3	0.5039	SLE_calotta	Max	-1.378E-13	-4.762E-13	1258.6695
3	0.	SLE_calotta	Min	-1.378E-13	-5.192E-13	1288.0897
3	0.25195	SLE_calotta	Min	-1.378E-13	-4.977E-13	1275.1566
3	0.5039	SLE_calotta	Min	-1.378E-13	-4.762E-13	1258.6695
3	0.	SLU_calotta	Max	-1.786E-13	-6.557E-13	1674.5165
3	0.25195	SLU_calotta	Max	-1.786E-13	-6.341E-13	1657.7035
3	0.5039	SLU_calotta	Max	-1.786E-13	-6.126E-13	1636.2703
3	0.	SLU_calotta	Min	-1.786E-13	-6.557E-13	1674.5165
3	0.25195	SLU_calotta	Min	-1.786E-13	-6.341E-13	1657.7035
3	0.5039	SLU_calotta	Min	-1.786E-13	-6.126E-13	1636.2703
3	0.	SLV_calotta	Max	-7.228E-13	-2.390E-12	669.5579
3	0.25195	SLV_calotta	Max	-7.228E-13	-2.304E-12	651.3412
3	0.5039	SLV_calotta	Max	-7.228E-13	-2.218E-12	629.1262
3	0.	SLV_calotta	Min	-7.228E-13	-2.390E-12	669.5579
3	0.25195	SLV_calotta	Min	-7.228E-13	-2.304E-12	651.3412
3	0.5039	SLV_calotta	Min	-7.228E-13	-2.218E-12	629.1262
4	0.	SLE_dreno	Max	-3.538E-13	-1.124E-12	1601.0587
4	0.25195	SLE_dreno	Max	-3.538E-13	-1.052E-12	1576.3169
4	0.5039	SLE_dreno	Max	-3.538E-13	-9.803E-13	1548.036
4	0.	SLE_dreno	Min	-3.538E-13	-1.124E-12	1601.0587
4	0.25195	SLE_dreno	Min	-3.538E-13	-1.052E-12	1576.3169
4	0.5039	SLE_dreno	Min	-3.538E-13	-9.803E-13	1548.036
4	0.	SLU_dreno	Max	-4.552E-13	-1.366E-12	2081.7161
4	0.25195	SLU_dreno	Max	-4.552E-13	-1.365E-12	2049.5454
4	0.5039	SLU_dreno	Max	-4.552E-13	-1.365E-12	2012.7739
4	0.	SLU_dreno	Min	-4.552E-13	-1.366E-12	2081.7161
4	0.25195	SLU_dreno	Min	-4.552E-13	-1.365E-12	2049.5454
4	0.5039	SLU_dreno	Min	-4.552E-13	-1.365E-12	2012.7739
4	0.	SLV_dreno	Max	-5.180E-13	-1.368E-12	1519.0107
4	0.25195	SLV_dreno	Max	-5.180E-13	-1.282E-12	1486.1157
4	0.5039	SLV_dreno	Max	-5.180E-13	-1.196E-12	1449.2393
4	0.	SLV_dreno	Min	-5.180E-13	-1.368E-12	1519.0107
4	0.25195	SLV_dreno	Min	-5.180E-13	-1.282E-12	1486.1157
4	0.5039	SLV_dreno	Min	-5.180E-13	-1.196E-12	1449.2393
4	0.	SLE_calotta	Max	-1.556E-13	-4.658E-13	1258.6695
4	0.25195	SLE_calotta	Max	-1.556E-13	-4.372E-13	1239.7988
4	0.5039	SLE_calotta	Max	-1.556E-13	-4.085E-13	1217.3889
4	0.	SLE_calotta	Min	-1.556E-13	-4.658E-13	1258.6695
4	0.25195	SLE_calotta	Min	-1.556E-13	-4.372E-13	1239.7988
4	0.5039	SLE_calotta	Min	-1.556E-13	-4.085E-13	1217.3889
4	0.	SLU_calotta	Max	-2.009E-13	-6.057E-13	1636.2703
4	0.25195	SLU_calotta	Max	-2.009E-13	-5.698E-13	1611.7383
4	0.5039	SLU_calotta	Max	-2.009E-13	-5.338E-13	1582.6056
4	0.	SLU_calotta	Min	-2.009E-13	-6.057E-13	1636.2703

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
4	0.25195	SLU_calotta	Min	-2.009E-13	-5.698E-13	1611.7383
4	0.5039	SLU_calotta	Min	-2.009E-13	-5.338E-13	1582.6056
4	0.	SLV_calotta	Max	-8.037E-13	-2.162E-12	629.1262
4	0.25195	SLV_calotta	Max	-8.037E-13	-2.047E-12	606.6386
4	0.5039	SLV_calotta	Max	-8.037E-13	-1.933E-12	580.1696
4	0.	SLV_calotta	Min	-8.037E-13	-2.162E-12	629.1262
4	0.25195	SLV_calotta	Min	-8.037E-13	-2.047E-12	606.6386
4	0.5039	SLV_calotta	Min	-8.037E-13	-1.933E-12	580.1696
5	0.	SLE_dreno	Max	-3.858E-13	-9.530E-13	1548.036
5	0.25195	SLE_dreno	Max	-3.858E-13	-8.814E-13	1515.6111
5	0.5039	SLE_dreno	Max	-3.858E-13	-8.097E-13	1479.667
5	0.	SLE_dreno	Min	-3.858E-13	-9.530E-13	1548.036
5	0.25195	SLE_dreno	Min	-3.858E-13	-8.814E-13	1515.6111
5	0.5039	SLE_dreno	Min	-3.858E-13	-8.097E-13	1479.667
5	0.	SLU_dreno	Max	-5.121E-13	-1.252E-12	2012.7739
5	0.25195	SLU_dreno	Max	-5.121E-13	-1.137E-12	1970.6134
5	0.5039	SLU_dreno	Max	-5.121E-13	-1.022E-12	1923.8779
5	0.	SLU_dreno	Min	-5.121E-13	-1.252E-12	2012.7739
5	0.25195	SLU_dreno	Min	-5.121E-13	-1.137E-12	1970.6134
5	0.5039	SLU_dreno	Min	-5.121E-13	-1.022E-12	1923.8779
5	0.	SLV_dreno	Max	-5.612E-13	-1.183E-12	1449.2393
5	0.25195	SLV_dreno	Max	-5.612E-13	-1.097E-12	1408.6921
5	0.5039	SLV_dreno	Max	-5.612E-13	-1.011E-12	1364.1859
5	0.	SLV_dreno	Min	-5.612E-13	-1.183E-12	1449.2393
5	0.25195	SLV_dreno	Min	-5.612E-13	-1.097E-12	1408.6921
5	0.5039	SLV_dreno	Min	-5.612E-13	-1.011E-12	1364.1859
5	0.	SLE_calotta	Max	-1.689E-13	-3.983E-13	1217.3889
5	0.25195	SLE_calotta	Max	-1.689E-13	-3.768E-13	1192.534
5	0.5039	SLE_calotta	Max	-1.689E-13	-3.553E-13	1164.1599
5	0.	SLE_calotta	Min	-1.689E-13	-3.983E-13	1217.3889
5	0.25195	SLE_calotta	Min	-1.689E-13	-3.768E-13	1192.534
5	0.5039	SLE_calotta	Min	-1.689E-13	-3.553E-13	1164.1599
5	0.	SLU_calotta	Max	-2.196E-13	-5.274E-13	1582.6056
5	0.25195	SLU_calotta	Max	-2.196E-13	-4.986E-13	1550.2942
5	0.5039	SLU_calotta	Max	-2.196E-13	-4.698E-13	1513.4078
5	0.	SLU_calotta	Min	-2.196E-13	-5.274E-13	1582.6056
5	0.25195	SLU_calotta	Min	-2.196E-13	-4.986E-13	1550.2942
5	0.5039	SLU_calotta	Min	-2.196E-13	-4.698E-13	1513.4078
5	0.	SLV_calotta	Max	-8.713E-13	-1.878E-12	580.1696
5	0.25195	SLV_calotta	Max	-8.713E-13	-1.734E-12	553.3735
5	0.5039	SLV_calotta	Max	-8.713E-13	-1.591E-12	522.6183
5	0.	SLV_calotta	Min	-8.713E-13	-1.878E-12	580.1696
5	0.25195	SLV_calotta	Min	-8.713E-13	-1.734E-12	553.3735
5	0.5039	SLV_calotta	Min	-8.713E-13	-1.591E-12	522.6183
6	0.	SLE_dreno	Max	-4.241E-13	-8.392E-13	1479.667
6	0.25195	SLE_dreno	Max	-4.241E-13	-7.819E-13	1439.4888
6	0.5039	SLE_dreno	Max	-4.241E-13	-7.245E-13	1395.8161
6	0.	SLE_dreno	Min	-4.241E-13	-8.392E-13	1479.667
6	0.25195	SLE_dreno	Min	-4.241E-13	-7.819E-13	1439.4888
6	0.5039	SLE_dreno	Min	-4.241E-13	-7.245E-13	1395.8161
6	0.	SLU_dreno	Max	-5.547E-13	-1.252E-12	1923.8779
6	0.25195	SLU_dreno	Max	-5.547E-13	-1.366E-12	1871.6363
6	0.5039	SLU_dreno	Max	-5.547E-13	-1.481E-12	1814.852
6	0.	SLU_dreno	Min	-5.547E-13	-1.252E-12	1923.8779
6	0.25195	SLU_dreno	Min	-5.547E-13	-1.366E-12	1871.6363
6	0.5039	SLU_dreno	Min	-5.547E-13	-1.481E-12	1814.852
6	0.	SLV_dreno	Max	-6.022E-13	-9.834E-13	1364.1859
6	0.25195	SLV_dreno	Max	-6.022E-13	-9.404E-13	1315.9301
6	0.5039	SLV_dreno	Max	-6.022E-13	-8.973E-13	1263.7432

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
6	0.	SLV_dreno	Min	-6.022E-13	-9.834E-13	1364.1859
6	0.25195	SLV_dreno	Min	-6.022E-13	-9.404E-13	1315.9301
6	0.5039	SLV_dreno	Min	-6.022E-13	-8.973E-13	1263.7432
6	0.	SLE_calotta	Max	-1.827E-13	-3.378E-13	1164.1599
6	0.25195	SLE_calotta	Max	-1.827E-13	-3.163E-13	1133.2631
6	0.5039	SLE_calotta	Max	-1.827E-13	-2.948E-13	1098.8718
6	0.	SLE_calotta	Min	-1.827E-13	-3.378E-13	1164.1599
6	0.25195	SLE_calotta	Min	-1.827E-13	-3.163E-13	1133.2631
6	0.5039	SLE_calotta	Min	-1.827E-13	-2.948E-13	1098.8718
6	0.	SLU_calotta	Max	-2.374E-13	-4.418E-13	1513.4078
6	0.25195	SLU_calotta	Max	-2.374E-13	-4.131E-13	1473.2419
6	0.5039	SLU_calotta	Max	-2.374E-13	-3.844E-13	1428.5333
6	0.	SLU_calotta	Min	-2.374E-13	-4.418E-13	1513.4078
6	0.25195	SLU_calotta	Min	-2.374E-13	-4.131E-13	1473.2419
6	0.5039	SLU_calotta	Min	-2.374E-13	-3.844E-13	1428.5333
6	0.	SLV_calotta	Max	-9.397E-13	-1.593E-12	522.6183
6	0.25195	SLV_calotta	Max	-9.397E-13	-1.507E-12	491.4649
6	0.5039	SLV_calotta	Max	-9.397E-13	-1.421E-12	456.3803
6	0.	SLV_calotta	Min	-9.397E-13	-1.593E-12	522.6183
6	0.25195	SLV_calotta	Min	-9.397E-13	-1.507E-12	491.4649
6	0.5039	SLV_calotta	Min	-9.397E-13	-1.421E-12	456.3803
7	0.	SLE_dreno	Max	-4.507E-13	-6.970E-13	1395.8161
7	0.25195	SLE_dreno	Max	-4.507E-13	-6.827E-13	1347.805
7	0.5039	SLE_dreno	Max	-4.507E-13	-6.683E-13	1296.3292
7	0.	SLE_dreno	Min	-4.507E-13	-6.970E-13	1395.8161
7	0.25195	SLE_dreno	Min	-4.507E-13	-6.827E-13	1347.805
7	0.5039	SLE_dreno	Min	-4.507E-13	-6.683E-13	1296.3292
7	0.	SLU_dreno	Max	-5.832E-13	-9.104E-13	1814.852
7	0.25195	SLU_dreno	Max	-5.832E-13	-9.104E-13	1752.4259
7	0.5039	SLU_dreno	Max	-5.832E-13	-9.103E-13	1685.4957
7	0.	SLU_dreno	Min	-5.832E-13	-9.104E-13	1814.852
7	0.25195	SLU_dreno	Min	-5.832E-13	-9.104E-13	1752.4259
7	0.5039	SLU_dreno	Min	-5.832E-13	-9.103E-13	1685.4957
7	0.	SLV_dreno	Max	-6.378E-13	-8.552E-13	1263.7432
7	0.25195	SLV_dreno	Max	-6.378E-13	-8.121E-13	1207.7157
7	0.5039	SLV_dreno	Max	-6.378E-13	-7.691E-13	1147.7904
7	0.	SLV_dreno	Min	-6.378E-13	-8.552E-13	1263.7432
7	0.25195	SLV_dreno	Min	-6.378E-13	-8.121E-13	1207.7157
7	0.5039	SLV_dreno	Min	-6.378E-13	-7.691E-13	1147.7904
7	0.	SLE_calotta	Max	-1.956E-13	-3.023E-13	1098.8718
7	0.25195	SLE_calotta	Max	-1.956E-13	-2.915E-13	1061.8652
7	0.5039	SLE_calotta	Max	-1.956E-13	-2.808E-13	1021.3938
7	0.	SLE_calotta	Min	-1.956E-13	-3.023E-13	1098.8718
7	0.25195	SLE_calotta	Min	-1.956E-13	-2.915E-13	1061.8652
7	0.5039	SLE_calotta	Min	-1.956E-13	-2.808E-13	1021.3938
7	0.	SLU_calotta	Max	-2.534E-13	-3.848E-13	1428.5333
7	0.25195	SLU_calotta	Max	-2.534E-13	-3.705E-13	1380.4246
7	0.5039	SLU_calotta	Max	-2.534E-13	-3.561E-13	1327.8119
7	0.	SLU_calotta	Min	-2.534E-13	-3.848E-13	1428.5333
7	0.25195	SLU_calotta	Min	-2.534E-13	-3.705E-13	1380.4246
7	0.5039	SLU_calotta	Min	-2.534E-13	-3.561E-13	1327.8119
7	0.	SLV_calotta	Max	-9.940E-13	-1.408E-12	456.3803
7	0.25195	SLV_calotta	Max	-9.940E-13	-1.351E-12	420.8117
7	0.5039	SLV_calotta	Max	-9.940E-13	-1.294E-12	381.3453
7	0.	SLV_calotta	Min	-9.940E-13	-1.408E-12	456.3803
7	0.25195	SLV_calotta	Min	-9.940E-13	-1.351E-12	420.8117
7	0.5039	SLV_calotta	Min	-9.940E-13	-1.294E-12	381.3453
8	0.	SLE_dreno	Max	-4.774E-13	-6.330E-13	1296.3292
8	0.25195	SLE_dreno	Max	-4.774E-13	-5.971E-13	1240.3995



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
8	0.5039	SLE_dreno	Max	-4.774E-13	-5.613E-13	1181.0398
8	0.	SLE_dreno	Min	-4.774E-13	-6.330E-13	1296.3292
8	0.25195	SLE_dreno	Min	-4.774E-13	-5.971E-13	1240.3995
8	0.5039	SLE_dreno	Min	-4.774E-13	-5.613E-13	1181.0398
8	0.	SLU_dreno	Max	-6.116E-13	-9.103E-13	1685.4957
8	0.25195	SLU_dreno	Max	-6.116E-13	-1.025E-12	1612.7739
8	0.5039	SLU_dreno	Max	-6.116E-13	-1.139E-12	1535.593
8	0.	SLU_dreno	Min	-6.116E-13	-9.103E-13	1685.4957
8	0.25195	SLU_dreno	Min	-6.116E-13	-1.025E-12	1612.7739
8	0.5039	SLU_dreno	Min	-6.116E-13	-1.139E-12	1535.593
8	0.	SLV_dreno	Max	-6.645E-13	-7.839E-13	1147.7904
8	0.25195	SLV_dreno	Max	-6.645E-13	-7.264E-13	1083.9255
8	0.5039	SLV_dreno	Max	-6.645E-13	-6.690E-13	1016.2018
8	0.	SLV_dreno	Min	-6.645E-13	-7.839E-13	1147.7904
8	0.25195	SLV_dreno	Min	-6.645E-13	-7.264E-13	1083.9255
8	0.5039	SLV_dreno	Min	-6.645E-13	-6.690E-13	1016.2018
8	0.	SLE_calotta	Max	-2.054E-13	-2.632E-13	1021.3938
8	0.25195	SLE_calotta	Max	-2.054E-13	-2.488E-13	978.2002
8	0.5039	SLE_calotta	Max	-2.054E-13	-2.345E-13	931.5765
8	0.	SLE_calotta	Min	-2.054E-13	-2.632E-13	1021.3938
8	0.25195	SLE_calotta	Min	-2.054E-13	-2.488E-13	978.2002
8	0.5039	SLE_calotta	Min	-2.054E-13	-2.345E-13	931.5765
8	0.	SLU_calotta	Max	-2.668E-13	-3.492E-13	1327.8119
8	0.25195	SLU_calotta	Max	-2.668E-13	-3.276E-13	1271.6602
8	0.5039	SLU_calotta	Max	-2.668E-13	-3.061E-13	1211.0494
8	0.	SLU_calotta	Min	-2.668E-13	-3.492E-13	1327.8119
8	0.25195	SLU_calotta	Min	-2.668E-13	-3.276E-13	1271.6602
8	0.5039	SLU_calotta	Min	-2.668E-13	-3.061E-13	1211.0494
8	0.	SLV_calotta	Max	-1.046E-12	-1.252E-12	381.3453
8	0.25195	SLV_calotta	Max	-1.046E-12	-1.194E-12	341.2968
8	0.5039	SLV_calotta	Max	-1.046E-12	-1.137E-12	297.3894
8	0.	SLV_calotta	Min	-1.046E-12	-1.252E-12	381.3453
8	0.25195	SLV_calotta	Min	-1.046E-12	-1.194E-12	341.2968
8	0.5039	SLV_calotta	Min	-1.046E-12	-1.137E-12	297.3894
9	0.	SLE_dreno	Max	-4.979E-13	-5.619E-13	1181.0398
9	0.25195	SLE_dreno	Max	-4.979E-13	-5.117E-13	1117.1037
9	0.5039	SLE_dreno	Max	-4.979E-13	-4.615E-13	1049.7768
9	0.	SLE_dreno	Min	-4.979E-13	-5.619E-13	1181.0398
9	0.25195	SLE_dreno	Min	-4.979E-13	-5.117E-13	1117.1037
9	0.5039	SLE_dreno	Min	-4.979E-13	-4.615E-13	1049.7768
9	0.	SLU_dreno	Max	-6.401E-13	-6.828E-13	1535.593
9	0.25195	SLU_dreno	Max	-6.401E-13	-6.827E-13	1452.4612
9	0.5039	SLU_dreno	Max	-6.401E-13	-6.827E-13	1364.9214
9	0.	SLU_dreno	Min	-6.401E-13	-6.828E-13	1535.593
9	0.25195	SLU_dreno	Min	-6.401E-13	-6.827E-13	1452.4612
9	0.5039	SLU_dreno	Min	-6.401E-13	-6.827E-13	1364.9214
9	0.	SLV_dreno	Max	-6.966E-13	-6.555E-13	1016.2018
9	0.25195	SLV_dreno	Max	-6.966E-13	-5.837E-13	944.4367
9	0.5039	SLV_dreno	Max	-6.966E-13	-5.119E-13	868.8569
9	0.	SLV_dreno	Min	-6.966E-13	-6.555E-13	1016.2018
9	0.25195	SLV_dreno	Min	-6.966E-13	-5.837E-13	944.4367
9	0.5039	SLV_dreno	Min	-6.966E-13	-5.119E-13	868.8569
9	0.	SLE_calotta	Max	-2.156E-13	-2.347E-13	931.5765
9	0.25195	SLE_calotta	Max	-2.156E-13	-2.060E-13	882.1111
9	0.5039	SLE_calotta	Max	-2.156E-13	-1.774E-13	829.255
9	0.	SLE_calotta	Min	-2.156E-13	-2.347E-13	931.5765
9	0.25195	SLE_calotta	Min	-2.156E-13	-2.060E-13	882.1111
9	0.5039	SLE_calotta	Min	-2.156E-13	-1.774E-13	829.255
9	0.	SLU_calotta	Max	-2.806E-13	-3.028E-13	1211.0494

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
9	0.25195	SLU_calotta	Max	-2.806E-13	-2.741E-13	1146.7444
9	0.5039	SLU_calotta	Max	-2.806E-13	-2.454E-13	1078.0313
9	0.	SLU_calotta	Min	-2.806E-13	-3.028E-13	1211.0494
9	0.25195	SLU_calotta	Min	-2.806E-13	-2.741E-13	1146.7444
9	0.5039	SLU_calotta	Min	-2.806E-13	-2.454E-13	1078.0313
9	0.	SLV_calotta	Max	-1.086E-12	-1.067E-12	297.3894
9	0.25195	SLV_calotta	Max	-1.086E-12	-9.665E-13	252.7921
9	0.5039	SLV_calotta	Max	-1.086E-12	-8.662E-13	204.3803
9	0.	SLV_calotta	Min	-1.086E-12	-1.067E-12	297.3894
9	0.25195	SLV_calotta	Min	-1.086E-12	-9.665E-13	252.7921
9	0.5039	SLV_calotta	Min	-1.086E-12	-8.662E-13	204.3803
10	0.	SLE_dreno	Max	-5.165E-13	-4.409E-13	1049.7768
10	0.25195	SLE_dreno	Max	-5.165E-13	-3.836E-13	977.7481
10	0.5039	SLE_dreno	Max	-5.165E-13	-3.263E-13	902.3727
10	0.	SLE_dreno	Min	-5.165E-13	-4.409E-13	1049.7768
10	0.25195	SLE_dreno	Min	-5.165E-13	-3.836E-13	977.7481
10	0.5039	SLE_dreno	Min	-5.165E-13	-3.263E-13	902.3727
10	0.	SLU_dreno	Max	-6.543E-13	-6.826E-13	1364.9214
10	0.25195	SLU_dreno	Max	-6.543E-13	-5.680E-13	1271.2677
10	0.5039	SLU_dreno	Max	-6.543E-13	-4.534E-13	1173.2632
10	0.	SLU_dreno	Min	-6.543E-13	-6.826E-13	1364.9214
10	0.25195	SLU_dreno	Min	-6.543E-13	-5.680E-13	1271.2677
10	0.5039	SLU_dreno	Min	-6.543E-13	-4.534E-13	1173.2632
10	0.	SLV_dreno	Max	-7.126E-13	-4.705E-13	868.8569
10	0.25195	SLV_dreno	Max	-7.126E-13	-3.986E-13	789.1367
10	0.5039	SLV_dreno	Max	-7.126E-13	-3.267E-13	705.6516
10	0.	SLV_dreno	Min	-7.126E-13	-4.705E-13	868.8569
10	0.25195	SLV_dreno	Min	-7.126E-13	-3.986E-13	789.1367
10	0.5039	SLV_dreno	Min	-7.126E-13	-3.267E-13	705.6516
10	0.	SLE_calotta	Max	-2.227E-13	-1.778E-13	829.255
10	0.25195	SLE_calotta	Max	-2.227E-13	-1.491E-13	773.4266
10	0.5039	SLE_calotta	Max	-2.227E-13	-1.205E-13	714.2516
10	0.	SLE_calotta	Min	-2.227E-13	-1.778E-13	829.255
10	0.25195	SLE_calotta	Min	-2.227E-13	-1.491E-13	773.4266
10	0.5039	SLE_calotta	Min	-2.227E-13	-1.205E-13	714.2516
10	0.	SLU_calotta	Max	-2.886E-13	-2.281E-13	1078.0313
10	0.25195	SLU_calotta	Max	-2.886E-13	-1.922E-13	1005.4545
10	0.5039	SLU_calotta	Max	-2.886E-13	-1.562E-13	928.527
10	0.	SLU_calotta	Min	-2.886E-13	-2.281E-13	1078.0313
10	0.25195	SLU_calotta	Min	-2.886E-13	-1.922E-13	1005.4545
10	0.5039	SLU_calotta	Min	-2.886E-13	-1.562E-13	928.527
10	0.	SLV_calotta	Max	-1.122E-12	-8.109E-13	204.3803
10	0.25195	SLV_calotta	Max	-1.122E-12	-6.961E-13	155.1642
10	0.5039	SLV_calotta	Max	-1.122E-12	-5.814E-13	102.1831
10	0.	SLV_calotta	Min	-1.122E-12	-8.109E-13	204.3803
10	0.25195	SLV_calotta	Min	-1.122E-12	-6.961E-13	155.1642
10	0.5039	SLV_calotta	Min	-1.122E-12	-5.814E-13	102.1831
11	0.	SLE_dreno	Max	-5.290E-13	-3.058E-13	902.3727
11	0.25195	SLE_dreno	Max	-5.290E-13	-2.485E-13	822.1714
11	0.5039	SLE_dreno	Max	-5.290E-13	-1.912E-13	738.6722
11	0.	SLE_dreno	Min	-5.290E-13	-3.058E-13	902.3727
11	0.25195	SLE_dreno	Min	-5.290E-13	-2.485E-13	822.1714
11	0.5039	SLE_dreno	Min	-5.290E-13	-1.912E-13	738.6722
11	0.	SLU_dreno	Max	-6.828E-13	-3.414E-13	1173.2632
11	0.25195	SLU_dreno	Max	-6.828E-13	-3.414E-13	1068.9837
11	0.5039	SLU_dreno	Max	-6.828E-13	-3.413E-13	960.4169
11	0.	SLU_dreno	Min	-6.828E-13	-3.414E-13	1173.2632
11	0.25195	SLU_dreno	Min	-6.828E-13	-3.414E-13	1068.9837
11	0.5039	SLU_dreno	Min	-6.828E-13	-3.413E-13	960.4169

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
11	0.	SLV_dreno	Max	-7.269E-13	-2.993E-13	705.6516
11	0.25195	SLV_dreno	Max	-7.269E-13	-2.275E-13	617.9359
11	0.5039	SLV_dreno	Max	-7.269E-13	-1.557E-13	526.51
11	0.	SLV_dreno	Min	-7.269E-13	-2.993E-13	705.6516
11	0.25195	SLV_dreno	Min	-7.269E-13	-2.275E-13	617.9359
11	0.5039	SLV_dreno	Min	-7.269E-13	-1.557E-13	526.51
11	0.	SLE_calotta	Max	-2.285E-13	-1.138E-13	714.2516
11	0.25195	SLE_calotta	Max	-2.285E-13	-8.512E-14	651.9645
11	0.5039	SLE_calotta	Max	-2.285E-13	-5.645E-14	586.3794
11	0.	SLE_calotta	Min	-2.285E-13	-1.138E-13	714.2516
11	0.25195	SLE_calotta	Min	-2.285E-13	-8.512E-14	651.9645
11	0.5039	SLE_calotta	Min	-2.285E-13	-5.645E-14	586.3794
11	0.	SLU_calotta	Max	-2.966E-13	-1.461E-13	928.527
11	0.25195	SLU_calotta	Max	-2.966E-13	-1.138E-13	847.5536
11	0.5039	SLU_calotta	Max	-2.966E-13	-8.142E-14	762.293
11	0.	SLU_calotta	Min	-2.966E-13	-1.461E-13	928.527
11	0.25195	SLU_calotta	Min	-2.966E-13	-1.138E-13	847.5536
11	0.5039	SLU_calotta	Min	-2.966E-13	-8.142E-14	762.293
11	0.	SLV_calotta	Max	-1.147E-12	-5.405E-13	102.1831
11	0.25195	SLV_calotta	Max	-1.147E-12	-4.259E-13	48.2803
11	0.5039	SLV_calotta	Max	-1.147E-12	-3.113E-13	-9.3328
11	0.	SLV_calotta	Min	-1.147E-12	-5.405E-13	102.1831
11	0.25195	SLV_calotta	Min	-1.147E-12	-4.259E-13	48.2803
11	0.5039	SLV_calotta	Min	-1.147E-12	-3.113E-13	-9.3328
12	0.	SLE_dreno	Max	-5.281E-13	-1.494E-13	738.6722
12	0.25195	SLE_dreno	Max	-5.281E-13	-9.917E-14	650.2291
12	0.5039	SLE_dreno	Max	-5.281E-13	-4.899E-14	558.5414
12	0.	SLE_dreno	Min	-5.281E-13	-1.494E-13	738.6722
12	0.25195	SLE_dreno	Min	-5.281E-13	-9.917E-14	650.2291
12	0.5039	SLE_dreno	Min	-5.281E-13	-4.899E-14	558.5414
12	0.	SLU_dreno	Max	-6.828E-13	-2.844E-13	960.4169
12	0.25195	SLU_dreno	Max	-6.828E-13	-1.698E-13	845.4216
12	0.5039	SLU_dreno	Max	-6.828E-13	-5.514E-14	726.2083
12	0.	SLU_dreno	Min	-6.828E-13	-2.844E-13	960.4169
12	0.25195	SLU_dreno	Min	-6.828E-13	-1.698E-13	845.4216
12	0.5039	SLU_dreno	Min	-6.828E-13	-5.514E-14	726.2083
12	0.	SLV_dreno	Max	-7.260E-13	-9.974E-14	526.51
12	0.25195	SLV_dreno	Max	-7.260E-13	-1.359E-14	430.7781
12	0.5039	SLV_dreno	Max	-7.260E-13	7.257E-14	331.3962
12	0.	SLV_dreno	Min	-7.260E-13	-9.974E-14	526.51
12	0.25195	SLV_dreno	Min	-7.260E-13	-1.359E-14	430.7781
12	0.5039	SLV_dreno	Min	-7.260E-13	7.257E-14	331.3962
12	0.	SLE_calotta	Max	-2.245E-13	-4.622E-14	586.3794
12	0.25195	SLE_calotta	Max	-2.245E-13	-2.472E-14	517.5343
12	0.5039	SLE_calotta	Max	-2.245E-13	-3.227E-15	445.4446
12	0.	SLE_calotta	Min	-2.245E-13	-4.622E-14	586.3794
12	0.25195	SLE_calotta	Min	-2.245E-13	-2.472E-14	517.5343
12	0.5039	SLE_calotta	Min	-2.245E-13	-3.227E-15	445.4446
12	0.	SLU_calotta	Max	-2.931E-13	-6.055E-14	762.293
12	0.25195	SLU_calotta	Max	-2.931E-13	-2.826E-14	672.7944
12	0.5039	SLU_calotta	Max	-2.931E-13	4.025E-15	579.0778
12	0.	SLU_calotta	Min	-2.931E-13	-6.055E-14	762.293
12	0.25195	SLU_calotta	Min	-2.931E-13	-2.826E-14	672.7944
12	0.5039	SLU_calotta	Min	-2.931E-13	4.025E-15	579.0778
12	0.	SLV_calotta	Max	-1.142E-12	-2.134E-13	-9.3328
12	0.25195	SLV_calotta	Max	-1.142E-12	-9.864E-14	-67.9855
12	0.5039	SLV_calotta	Max	-1.142E-12	1.610E-14	-130.2884
12	0.	SLV_calotta	Min	-1.142E-12	-2.134E-13	-9.3328
12	0.25195	SLV_calotta	Min	-1.142E-12	-9.864E-14	-67.9855

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
12	0.5039	SLV_calotta	Min	-1.142E-12	1.610E-14	-130.2884
13	0.	SLE_dreno	Max	-5.316E-13	-3.554E-14	558.5414
13	0.25195	SLE_dreno	Max	-5.316E-13	-6.870E-15	461.8024
13	0.5039	SLE_dreno	Max	-5.316E-13	2.180E-14	361.8768
13	0.	SLE_dreno	Min	-5.316E-13	-3.554E-14	558.5414
13	0.25195	SLE_dreno	Min	-5.316E-13	-6.870E-15	461.8024
13	0.5039	SLE_dreno	Min	-5.316E-13	2.180E-14	361.8768
13	0.	SLU_dreno	Max	-6.970E-13	-2.776E-17	726.2083
13	0.25195	SLU_dreno	Max	-6.970E-13	5.731E-14	600.4271
13	0.5039	SLU_dreno	Max	-6.970E-13	1.147E-13	470.5032
13	0.	SLU_dreno	Min	-6.970E-13	-2.776E-17	726.2083
13	0.25195	SLU_dreno	Min	-6.970E-13	5.731E-14	600.4271
13	0.5039	SLU_dreno	Min	-6.970E-13	1.147E-13	470.5032
13	0.	SLV_dreno	Max	-7.171E-13	7.130E-14	331.3962
13	0.25195	SLV_dreno	Max	-7.171E-13	1.144E-13	227.6542
13	0.5039	SLV_dreno	Max	-7.171E-13	1.575E-13	120.3272
13	0.	SLV_dreno	Min	-7.171E-13	7.130E-14	331.3962
13	0.25195	SLV_dreno	Min	-7.171E-13	1.144E-13	227.6542
13	0.5039	SLV_dreno	Min	-7.171E-13	1.575E-13	120.3272
13	0.	SLE_calotta	Max	-2.263E-13	1.066E-14	445.4446
13	0.25195	SLE_calotta	Max	-2.263E-13	2.499E-14	369.941
13	0.5039	SLE_calotta	Max	-2.263E-13	3.933E-14	291.2508
13	0.	SLE_calotta	Min	-2.263E-13	1.066E-14	445.4446
13	0.25195	SLE_calotta	Min	-2.263E-13	2.499E-14	369.941
13	0.5039	SLE_calotta	Min	-2.263E-13	3.933E-14	291.2508
13	0.	SLU_calotta	Max	-2.948E-13	1.067E-14	579.0778
13	0.25195	SLU_calotta	Max	-2.948E-13	2.506E-14	480.9232
13	0.5039	SLU_calotta	Max	-2.948E-13	3.946E-14	378.6259
13	0.	SLU_calotta	Min	-2.948E-13	1.067E-14	579.0778
13	0.25195	SLU_calotta	Min	-2.948E-13	2.506E-14	480.9232
13	0.5039	SLU_calotta	Min	-2.948E-13	3.946E-14	378.6259
13	0.	SLV_calotta	Max	-1.142E-12	4.274E-14	-130.2884
13	0.25195	SLV_calotta	Max	-1.142E-12	1.287E-13	-193.7454
13	0.5039	SLV_calotta	Max	-1.142E-12	2.147E-13	-260.7874
13	0.	SLV_calotta	Min	-1.142E-12	4.274E-14	-130.2884
13	0.25195	SLV_calotta	Min	-1.142E-12	1.287E-13	-193.7454
13	0.5039	SLV_calotta	Min	-1.142E-12	2.147E-13	-260.7874
14	0.	SLE_dreno	Max	-5.316E-13	4.978E-14	361.8768
14	0.25195	SLE_dreno	Max	-5.316E-13	8.563E-14	256.8083
14	0.5039	SLE_dreno	Max	-5.316E-13	1.215E-13	148.6155
14	0.	SLE_dreno	Min	-5.316E-13	4.978E-14	361.8768
14	0.25195	SLE_dreno	Min	-5.316E-13	8.563E-14	256.8083
14	0.5039	SLE_dreno	Min	-5.316E-13	1.215E-13	148.6155
14	0.	SLU_dreno	Max	-6.828E-13	1.706E-13	470.5032
14	0.25195	SLU_dreno	Max	-6.828E-13	2.852E-13	333.8923
14	0.5039	SLU_dreno	Max	-6.828E-13	3.998E-13	193.2199
14	0.	SLU_dreno	Min	-6.828E-13	1.706E-13	470.5032
14	0.25195	SLU_dreno	Min	-6.828E-13	2.852E-13	333.8923
14	0.5039	SLU_dreno	Min	-6.828E-13	3.998E-13	193.2199
14	0.	SLV_dreno	Max	-7.162E-13	1.710E-13	120.3272
14	0.25195	SLV_dreno	Max	-7.162E-13	2.213E-13	8.6139
14	0.5039	SLV_dreno	Max	-7.162E-13	2.716E-13	-106.6142
14	0.	SLV_dreno	Min	-7.162E-13	1.710E-13	120.3272
14	0.25195	SLV_dreno	Min	-7.162E-13	2.213E-13	8.6139
14	0.5039	SLV_dreno	Min	-7.162E-13	2.716E-13	-106.6142
14	0.	SLE_calotta	Max	-2.249E-13	3.912E-14	291.2508
14	0.25195	SLE_calotta	Max	-2.249E-13	5.704E-14	208.9885
14	0.5039	SLE_calotta	Max	-2.249E-13	7.496E-14	123.6019
14	0.	SLE_calotta	Min	-2.249E-13	3.912E-14	291.2508

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
14	0.25195	SLE_calotta	Min	-2.249E-13	5.704E-14	208.9885
14	0.5039	SLE_calotta	Min	-2.249E-13	7.496E-14	123.6019
14	0.	SLU_calotta	Max	-2.931E-13	4.990E-14	378.6259
14	0.25195	SLU_calotta	Max	-2.931E-13	7.146E-14	271.6848
14	0.5039	SLU_calotta	Max	-2.931E-13	9.302E-14	160.6823
14	0.	SLU_calotta	Min	-2.931E-13	4.990E-14	378.6259
14	0.25195	SLU_calotta	Min	-2.931E-13	7.146E-14	271.6848
14	0.5039	SLU_calotta	Min	-2.931E-13	9.302E-14	160.6823
14	0.	SLV_calotta	Max	-1.140E-12	1.991E-13	-260.7874
14	0.25195	SLV_calotta	Max	-1.140E-12	2.708E-13	-329.0913
14	0.5039	SLV_calotta	Max	-1.140E-12	3.425E-13	-400.91
14	0.	SLV_calotta	Min	-1.140E-12	1.991E-13	-260.7874
14	0.25195	SLV_calotta	Min	-1.140E-12	2.708E-13	-329.0913
14	0.5039	SLV_calotta	Min	-1.140E-12	3.425E-13	-400.91
15	0.	SLE_dreno	Max	-5.263E-13	1.529E-13	148.6155
15	0.25538	SLE_dreno	Max	-5.263E-13	1.820E-13	37.8562
15	0.51075	SLE_dreno	Max	-5.263E-13	2.110E-13	-76.0062
15	0.	SLE_dreno	Min	-5.263E-13	1.529E-13	148.6155
15	0.25538	SLE_dreno	Min	-5.263E-13	1.820E-13	37.8562
15	0.51075	SLE_dreno	Min	-5.263E-13	2.110E-13	-76.0062
15	0.	SLU_dreno	Max	-6.686E-13	1.707E-13	193.2199
15	0.25538	SLU_dreno	Max	-6.686E-13	2.869E-13	49.2102
15	0.51075	SLU_dreno	Max	-6.686E-13	4.031E-13	-98.8336
15	0.	SLU_dreno	Min	-6.686E-13	1.707E-13	193.2199
15	0.25538	SLU_dreno	Min	-6.686E-13	2.869E-13	49.2102
15	0.51075	SLU_dreno	Min	-6.686E-13	4.031E-13	-98.8336
15	0.	SLV_dreno	Max	-7.055E-13	3.064E-13	-106.6142
15	0.25538	SLV_dreno	Max	-7.055E-13	3.501E-13	-222.5305
15	0.51075	SLV_dreno	Max	-7.055E-13	3.938E-13	-341.9378
15	0.	SLV_dreno	Min	-7.055E-13	3.064E-13	-106.6142
15	0.25538	SLV_dreno	Min	-7.055E-13	3.501E-13	-222.5305
15	0.51075	SLV_dreno	Min	-7.055E-13	3.938E-13	-341.9378
15	0.	SLE_calotta	Max	-2.214E-13	8.536E-14	123.6019
15	0.25538	SLE_calotta	Max	-2.214E-13	1.071E-13	37.5327
15	0.51075	SLE_calotta	Max	-2.214E-13	1.289E-13	-51.6396
15	0.	SLE_calotta	Min	-2.214E-13	8.536E-14	123.6019
15	0.25538	SLE_calotta	Min	-2.214E-13	1.071E-13	37.5327
15	0.51075	SLE_calotta	Min	-2.214E-13	1.289E-13	-51.6396
15	0.	SLU_calotta	Max	-2.877E-13	1.140E-13	160.6823
15	0.25538	SLU_calotta	Max	-2.877E-13	1.359E-13	48.7923
15	0.51075	SLU_calotta	Max	-2.877E-13	1.577E-13	-67.1317
15	0.	SLU_calotta	Min	-2.877E-13	1.140E-13	160.6823
15	0.25538	SLU_calotta	Min	-2.877E-13	1.359E-13	48.7923
15	0.51075	SLU_calotta	Min	-2.877E-13	1.577E-13	-67.1317
15	0.	SLV_calotta	Max	-1.118E-12	4.125E-13	-400.91
15	0.25538	SLV_calotta	Max	-1.118E-12	4.852E-13	-469.0015
15	0.51075	SLV_calotta	Max	-1.118E-12	5.579E-13	-540.5841
15	0.	SLV_calotta	Min	-1.118E-12	4.125E-13	-400.91
15	0.25538	SLV_calotta	Min	-1.118E-12	4.852E-13	-469.0015
15	0.51075	SLV_calotta	Min	-1.118E-12	5.579E-13	-540.5841
16	0.	SLE_dreno	Max	-5.210E-13	2.454E-13	-76.0062
16	0.25538	SLE_dreno	Max	-5.210E-13	2.817E-13	-194.779
16	0.51075	SLE_dreno	Max	-5.210E-13	3.180E-13	-316.5761
16	0.	SLE_dreno	Min	-5.210E-13	2.454E-13	-76.0062
16	0.25538	SLE_dreno	Min	-5.210E-13	2.817E-13	-194.779
16	0.51075	SLE_dreno	Min	-5.210E-13	3.180E-13	-316.5761
16	0.	SLU_dreno	Max	-6.828E-13	2.845E-13	-98.8336
16	0.25538	SLU_dreno	Max	-6.828E-13	2.265E-13	-253.2619
16	0.51075	SLU_dreno	Max	-6.828E-13	1.685E-13	-411.6217

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
16	0.	SLU_dreno	Min	-6.828E-13	2.845E-13	-98.8336
16	0.25538	SLU_dreno	Min	-6.828E-13	2.265E-13	-253.2619
16	0.51075	SLU_dreno	Min	-6.828E-13	1.685E-13	-411.6217
16	0.	SLV_dreno	Max	-6.948E-13	4.276E-13	-341.9378
16	0.25538	SLV_dreno	Max	-6.948E-13	4.713E-13	-465.1731
16	0.51075	SLV_dreno	Max	-6.948E-13	5.151E-13	-591.8108
16	0.	SLV_dreno	Min	-6.948E-13	4.276E-13	-341.9378
16	0.25538	SLV_dreno	Min	-6.948E-13	4.713E-13	-465.1731
16	0.51075	SLV_dreno	Min	-6.948E-13	5.151E-13	-591.8108
16	0.	SLE_calotta	Max	-2.187E-13	1.280E-13	-51.6396
16	0.25538	SLE_calotta	Max	-2.187E-13	1.462E-13	-144.3959
16	0.51075	SLE_calotta	Max	-2.187E-13	1.643E-13	-240.1765
16	0.	SLE_calotta	Min	-2.187E-13	1.280E-13	-51.6396
16	0.25538	SLE_calotta	Min	-2.187E-13	1.462E-13	-144.3959
16	0.51075	SLE_calotta	Min	-2.187E-13	1.643E-13	-240.1765
16	0.	SLU_calotta	Max	-2.842E-13	1.710E-13	-67.1317
16	0.25538	SLU_calotta	Max	-2.842E-13	1.929E-13	-187.7149
16	0.51075	SLU_calotta	Max	-2.842E-13	2.147E-13	-312.2297
16	0.	SLU_calotta	Min	-2.842E-13	1.710E-13	-67.1317
16	0.25538	SLU_calotta	Min	-2.842E-13	1.929E-13	-187.7149
16	0.51075	SLU_calotta	Min	-2.842E-13	2.147E-13	-312.2297
16	0.	SLV_calotta	Max	-1.106E-12	6.117E-13	-540.5841
16	0.25538	SLV_calotta	Max	-1.106E-12	6.844E-13	-613.0829
16	0.51075	SLV_calotta	Max	-1.106E-12	7.571E-13	-688.9841
16	0.	SLV_calotta	Min	-1.106E-12	6.117E-13	-540.5841
16	0.25538	SLV_calotta	Min	-1.106E-12	6.844E-13	-613.0829
16	0.51075	SLV_calotta	Min	-1.106E-12	7.571E-13	-688.9841
17	0.	SLE_dreno	Max	-5.014E-13	3.414E-13	-316.5761
17	0.25538	SLE_dreno	Max	-5.014E-13	3.777E-13	-443.4152
17	0.51075	SLE_dreno	Max	-5.014E-13	4.140E-13	-573.4696
17	0.	SLE_dreno	Min	-5.014E-13	3.414E-13	-316.5761
17	0.25538	SLE_dreno	Min	-5.014E-13	3.777E-13	-443.4152
17	0.51075	SLE_dreno	Min	-5.014E-13	4.140E-13	-573.4696
17	0.	SLU_dreno	Max	-6.543E-13	3.983E-13	-411.6217
17	0.25538	SLU_dreno	Max	-6.543E-13	5.145E-13	-576.537
17	0.51075	SLU_dreno	Max	-6.543E-13	6.307E-13	-745.6321
17	0.	SLU_dreno	Min	-6.543E-13	3.983E-13	-411.6217
17	0.25538	SLU_dreno	Min	-6.543E-13	5.145E-13	-576.537
17	0.51075	SLU_dreno	Min	-6.543E-13	6.307E-13	-745.6321
17	0.	SLV_dreno	Max	-6.663E-13	5.559E-13	-591.8108
17	0.25538	SLV_dreno	Max	-6.663E-13	6.068E-13	-722.3004
17	0.51075	SLV_dreno	Max	-6.663E-13	6.576E-13	-856.4071
17	0.	SLV_dreno	Min	-6.663E-13	5.559E-13	-591.8108
17	0.25538	SLV_dreno	Min	-6.663E-13	6.068E-13	-722.3004
17	0.51075	SLV_dreno	Min	-6.663E-13	6.576E-13	-856.4071
17	0.	SLE_calotta	Max	-2.116E-13	1.742E-13	-240.1765
17	0.25538	SLE_calotta	Max	-2.116E-13	1.870E-13	-339.8388
17	0.51075	SLE_calotta	Max	-2.116E-13	1.997E-13	-442.7163
17	0.	SLE_calotta	Min	-2.116E-13	1.742E-13	-240.1765
17	0.25538	SLE_calotta	Min	-2.116E-13	1.870E-13	-339.8388
17	0.51075	SLE_calotta	Min	-2.116E-13	1.997E-13	-442.7163
17	0.	SLU_calotta	Max	-2.726E-13	2.209E-13	-312.2297
17	0.25538	SLU_calotta	Max	-2.726E-13	2.355E-13	-441.7907
17	0.51075	SLU_calotta	Max	-2.726E-13	2.501E-13	-575.5314
17	0.	SLU_calotta	Min	-2.726E-13	2.209E-13	-312.2297
17	0.25538	SLU_calotta	Min	-2.726E-13	2.355E-13	-441.7907
17	0.51075	SLU_calotta	Min	-2.726E-13	2.501E-13	-575.5314
17	0.	SLV_calotta	Max	-1.067E-12	8.037E-13	-688.9841
17	0.25538	SLV_calotta	Max	-1.067E-12	8.763E-13	-766.0127

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
17	0.51075	SLV_calotta	Max	-1.067E-12	9.490E-13	-846.6584
17	0.	SLV_calotta	Min	-1.067E-12	8.037E-13	-688.9841
17	0.25538	SLV_calotta	Min	-1.067E-12	8.763E-13	-766.0127
17	0.51075	SLV_calotta	Min	-1.067E-12	9.490E-13	-846.6584
18	0.	SLE_dreno	Max	-4.925E-13	4.196E-13	-573.4696
18	0.25538	SLE_dreno	Max	-4.925E-13	4.487E-13	-708.7148
18	0.51075	SLE_dreno	Max	-4.925E-13	4.777E-13	-847.2313
18	0.	SLE_dreno	Min	-4.925E-13	4.196E-13	-573.4696
18	0.25538	SLE_dreno	Min	-4.925E-13	4.487E-13	-708.7148
18	0.51075	SLE_dreno	Min	-4.925E-13	4.777E-13	-847.2313
18	0.	SLU_dreno	Max	-5.975E-13	5.689E-13	-745.6321
18	0.25538	SLU_dreno	Max	-5.975E-13	5.690E-13	-921.4763
18	0.51075	SLU_dreno	Max	-5.975E-13	5.690E-13	-1101.5728
18	0.	SLU_dreno	Min	-5.975E-13	5.689E-13	-745.6321
18	0.25538	SLU_dreno	Min	-5.975E-13	5.690E-13	-921.4763
18	0.51075	SLU_dreno	Min	-5.975E-13	5.690E-13	-1101.5728
18	0.	SLV_dreno	Max	-6.432E-13	6.627E-13	-856.4071
18	0.25538	SLV_dreno	Max	-6.432E-13	6.991E-13	-994.394
18	0.51075	SLV_dreno	Max	-6.432E-13	7.355E-13	-1136.061
18	0.	SLV_dreno	Min	-6.432E-13	6.627E-13	-856.4071
18	0.25538	SLV_dreno	Min	-6.432E-13	6.991E-13	-994.394
18	0.51075	SLV_dreno	Min	-6.432E-13	7.355E-13	-1136.061
18	0.	SLE_calotta	Max	-2.045E-13	2.045E-13	-442.7163
18	0.25538	SLE_calotta	Max	-2.045E-13	2.190E-13	-549.8249
18	0.51075	SLE_calotta	Max	-2.045E-13	2.335E-13	-660.2046
18	0.	SLE_calotta	Min	-2.045E-13	2.045E-13	-442.7163
18	0.25538	SLE_calotta	Min	-2.045E-13	2.190E-13	-549.8249
18	0.51075	SLE_calotta	Min	-2.045E-13	2.335E-13	-660.2046
18	0.	SLU_calotta	Max	-2.646E-13	2.672E-13	-575.5314
18	0.25538	SLU_calotta	Max	-2.646E-13	2.854E-13	-714.7726
18	0.51075	SLU_calotta	Max	-2.646E-13	3.036E-13	-858.2662
18	0.	SLU_calotta	Min	-2.646E-13	2.672E-13	-575.5314
18	0.25538	SLU_calotta	Min	-2.646E-13	2.854E-13	-714.7726
18	0.51075	SLU_calotta	Min	-2.646E-13	3.036E-13	-858.2662
18	0.	SLV_calotta	Max	-1.035E-12	9.815E-13	-846.6584
18	0.25538	SLV_calotta	Max	-1.035E-12	1.040E-12	-928.6826
18	0.51075	SLV_calotta	Max	-1.035E-12	1.098E-12	-1014.3869
18	0.	SLV_calotta	Min	-1.035E-12	9.815E-13	-846.6584
18	0.25538	SLV_calotta	Min	-1.035E-12	1.040E-12	-928.6826
18	0.51075	SLV_calotta	Min	-1.035E-12	1.098E-12	-1014.3869
19	0.	SLE_dreno	Max	-4.694E-13	5.156E-13	-847.2313
19	0.25538	SLE_dreno	Max	-4.694E-13	5.302E-13	-990.9761
19	0.51075	SLE_dreno	Max	-4.694E-13	5.447E-13	-1138.0579
19	0.	SLE_dreno	Min	-4.694E-13	5.156E-13	-847.2313
19	0.25538	SLE_dreno	Min	-4.694E-13	5.302E-13	-990.9761
19	0.51075	SLE_dreno	Min	-4.694E-13	5.447E-13	-1138.0579
19	0.	SLU_dreno	Max	-5.974E-13	6.827E-13	-1101.5728
19	0.25538	SLU_dreno	Max	-5.974E-13	7.408E-13	-1288.467
19	0.51075	SLU_dreno	Max	-5.974E-13	7.989E-13	-1479.6992
19	0.	SLU_dreno	Min	-5.974E-13	6.827E-13	-1101.5728
19	0.25538	SLU_dreno	Min	-5.974E-13	7.408E-13	-1288.467
19	0.51075	SLU_dreno	Min	-5.974E-13	7.989E-13	-1479.6992
19	0.	SLV_dreno	Max	-6.128E-13	7.839E-13	-1136.061
19	0.25538	SLV_dreno	Max	-6.128E-13	8.130E-13	-1281.4958
19	0.51075	SLV_dreno	Max	-6.128E-13	8.422E-13	-1430.6847
19	0.	SLV_dreno	Min	-6.128E-13	7.839E-13	-1136.061
19	0.25538	SLV_dreno	Min	-6.128E-13	8.130E-13	-1281.4958
19	0.51075	SLV_dreno	Min	-6.128E-13	8.422E-13	-1430.6847
19	0.	SLE_calotta	Max	-1.938E-13	2.436E-13	-660.2046

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
19	0.25538	SLE_calotta	Max	-1.938E-13	2.545E-13	-775.0899
19	0.51075	SLE_calotta	Max	-1.938E-13	2.654E-13	-893.3122
19	0.	SLE_calotta	Min	-1.938E-13	2.436E-13	-660.2046
19	0.25538	SLE_calotta	Min	-1.938E-13	2.545E-13	-775.0899
19	0.51075	SLE_calotta	Min	-1.938E-13	2.654E-13	-893.3122
19	0.	SLU_calotta	Max	-2.548E-13	3.153E-13	-858.2662
19	0.25538	SLU_calotta	Max	-2.548E-13	3.299E-13	-1007.6171
19	0.51075	SLU_calotta	Max	-2.548E-13	3.445E-13	-1161.3061
19	0.	SLU_calotta	Min	-2.548E-13	3.153E-13	-858.2662
19	0.25538	SLU_calotta	Min	-2.548E-13	3.299E-13	-1007.6171
19	0.51075	SLU_calotta	Min	-2.548E-13	3.445E-13	-1161.3061
19	0.	SLV_calotta	Max	-9.886E-13	1.152E-12	-1014.3869
19	0.25538	SLV_calotta	Max	-9.886E-13	1.210E-12	-1101.6175
19	0.51075	SLV_calotta	Max	-9.886E-13	1.268E-12	-1192.6023
19	0.	SLV_calotta	Min	-9.886E-13	1.152E-12	-1014.3869
19	0.25538	SLV_calotta	Min	-9.886E-13	1.210E-12	-1101.6175
19	0.51075	SLV_calotta	Min	-9.886E-13	1.268E-12	-1192.6023
20	0.	SLE_dreno	Max	-4.427E-13	5.903E-13	-1138.0579
20	0.25538	SLE_dreno	Max	-4.427E-13	6.048E-13	-1290.3713
20	0.51075	SLE_dreno	Max	-4.427E-13	6.194E-13	-1446.118
20	0.	SLE_dreno	Min	-4.427E-13	5.903E-13	-1138.0579
20	0.25538	SLE_dreno	Min	-4.427E-13	6.048E-13	-1290.3713
20	0.51075	SLE_dreno	Min	-4.427E-13	6.194E-13	-1446.118
20	0.	SLU_dreno	Max	-5.690E-13	7.397E-13	-1479.6992
20	0.25538	SLU_dreno	Max	-5.690E-13	7.397E-13	-1677.733
20	0.51075	SLU_dreno	Max	-5.690E-13	7.397E-13	-1880.23
20	0.	SLU_dreno	Min	-5.690E-13	7.397E-13	-1479.6992
20	0.25538	SLU_dreno	Min	-5.690E-13	7.397E-13	-1677.733
20	0.51075	SLU_dreno	Min	-5.690E-13	7.397E-13	-1880.23
20	0.	SLV_dreno	Max	-5.790E-13	8.694E-13	-1430.6847
20	0.25538	SLV_dreno	Max	-5.790E-13	8.985E-13	-1583.4748
20	0.51075	SLV_dreno	Max	-5.790E-13	9.276E-13	-1740.1274
20	0.	SLV_dreno	Min	-5.790E-13	8.694E-13	-1430.6847
20	0.25538	SLV_dreno	Min	-5.790E-13	8.985E-13	-1583.4748
20	0.51075	SLV_dreno	Min	-5.790E-13	9.276E-13	-1740.1274
20	0.	SLE_calotta	Max	-1.822E-13	2.756E-13	-893.3122
20	0.25538	SLE_calotta	Max	-1.822E-13	2.847E-13	-1016.3183
20	0.51075	SLE_calotta	Max	-1.822E-13	2.938E-13	-1142.7577
20	0.	SLE_calotta	Min	-1.822E-13	2.756E-13	-893.3122
20	0.25538	SLE_calotta	Min	-1.822E-13	2.847E-13	-1016.3183
20	0.51075	SLE_calotta	Min	-1.822E-13	2.938E-13	-1142.7577
20	0.	SLU_calotta	Max	-2.387E-13	3.670E-13	-1161.3061
20	0.25538	SLU_calotta	Max	-2.387E-13	3.743E-13	-1321.214
20	0.51075	SLU_calotta	Max	-2.387E-13	3.816E-13	-1485.5852
20	0.	SLU_calotta	Min	-2.387E-13	3.670E-13	-1161.3061
20	0.25538	SLU_calotta	Min	-2.387E-13	3.743E-13	-1321.214
20	0.51075	SLU_calotta	Min	-2.387E-13	3.816E-13	-1485.5852
20	0.	SLV_calotta	Max	-9.388E-13	1.294E-12	-1192.6023
20	0.25538	SLV_calotta	Max	-9.388E-13	1.338E-12	-1285.2459
20	0.51075	SLV_calotta	Max	-9.388E-13	1.382E-12	-1381.752
20	0.	SLV_calotta	Min	-9.388E-13	1.294E-12	-1192.6023
20	0.25538	SLV_calotta	Min	-9.388E-13	1.338E-12	-1285.2459
20	0.51075	SLV_calotta	Min	-9.388E-13	1.382E-12	-1381.752
21	0.	SLE_dreno	Max	-3.557E-14	7.610E-13	-1446.118
21	0.24992	SLE_dreno	Max	-3.557E-14	7.717E-13	-1428.2108
21	0.49985	SLE_dreno	Max	-3.557E-14	7.823E-13	-1411.4144
21	0.	SLE_dreno	Min	-3.557E-14	7.610E-13	-1446.118
21	0.24992	SLE_dreno	Min	-3.557E-14	7.717E-13	-1428.2108
21	0.49985	SLE_dreno	Min	-3.557E-14	7.823E-13	-1411.4144



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
21	0.	SLU_dreno	Max	-2.846E-14	9.673E-13	-1880.23
21	0.24992	SLU_dreno	Max	-2.846E-14	9.105E-13	-1856.9543
21	0.49985	SLU_dreno	Max	-2.846E-14	8.536E-13	-1835.1228
21	0.	SLU_dreno	Min	-2.846E-14	9.673E-13	-1880.23
21	0.24992	SLU_dreno	Min	-2.846E-14	9.105E-13	-1856.9543
21	0.49985	SLU_dreno	Min	-2.846E-14	8.536E-13	-1835.1228
21	0.	SLV_dreno	Max	2.136E-14	1.090E-12	-1740.1274
21	0.24992	SLV_dreno	Max	2.136E-14	1.076E-12	-1687.9962
21	0.49985	SLV_dreno	Max	2.136E-14	1.062E-12	-1637.1147
21	0.	SLV_dreno	Min	2.136E-14	1.090E-12	-1740.1274
21	0.24992	SLV_dreno	Min	2.136E-14	1.076E-12	-1687.9962
21	0.49985	SLV_dreno	Min	2.136E-14	1.062E-12	-1637.1147
21	0.	SLE_calotta	Max	5.336E-15	3.467E-13	-1142.7577
21	0.24992	SLE_calotta	Max	5.336E-15	3.485E-13	-1108.3117
21	0.49985	SLE_calotta	Max	5.336E-15	3.503E-13	-1074.9765
21	0.	SLE_calotta	Min	5.336E-15	3.467E-13	-1142.7577
21	0.24992	SLE_calotta	Min	5.336E-15	3.485E-13	-1108.3117
21	0.49985	SLE_calotta	Min	5.336E-15	3.503E-13	-1074.9765
21	0.	SLU_calotta	Max	7.130E-15	4.454E-13	-1485.5852
21	0.24992	SLU_calotta	Max	7.130E-15	4.490E-13	-1440.8054
21	0.49985	SLU_calotta	Max	7.130E-15	4.525E-13	-1397.4697
21	0.	SLU_calotta	Min	7.130E-15	4.454E-13	-1485.5852
21	0.24992	SLU_calotta	Min	7.130E-15	4.490E-13	-1440.8054
21	0.49985	SLU_calotta	Min	7.130E-15	4.525E-13	-1397.4697
21	0.	SLV_calotta	Max	-3.557E-14	1.664E-12	-1381.752
21	0.24992	SLV_calotta	Max	-3.557E-14	1.664E-12	-1272.2829
21	0.49985	SLV_calotta	Max	-3.557E-14	1.664E-12	-1164.0636
21	0.	SLV_calotta	Min	-3.557E-14	1.664E-12	-1381.752
21	0.24992	SLV_calotta	Min	-3.557E-14	1.664E-12	-1272.2829
21	0.49985	SLV_calotta	Min	-3.557E-14	1.664E-12	-1164.0636
22	0.	SLE_dreno	Max	-2.133E-14	7.752E-13	-1411.4144
22	0.24992	SLE_dreno	Max	-2.133E-14	7.681E-13	-1397.6927
22	0.49985	SLE_dreno	Max	-2.133E-14	7.610E-13	-1384.9455
22	0.	SLE_dreno	Min	-2.133E-14	7.752E-13	-1411.4144
22	0.24992	SLE_dreno	Min	-2.133E-14	7.681E-13	-1397.6927
22	0.49985	SLE_dreno	Min	-2.133E-14	7.610E-13	-1384.9455
22	0.	SLU_dreno	Max	-2.776E-17	9.104E-13	-1835.1228
22	0.24992	SLU_dreno	Max	-2.776E-17	9.673E-13	-1817.2882
22	0.49985	SLU_dreno	Max	-2.776E-17	1.024E-12	-1800.7204
22	0.	SLU_dreno	Min	-2.776E-17	9.104E-13	-1835.1228
22	0.24992	SLU_dreno	Min	-2.776E-17	9.673E-13	-1817.2882
22	0.49985	SLU_dreno	Min	-2.776E-17	1.024E-12	-1800.7204
22	0.	SLV_dreno	Max	3.921E-14	1.090E-12	-1637.1147
22	0.24992	SLV_dreno	Max	3.921E-14	1.076E-12	-1591.9268
22	0.49985	SLV_dreno	Max	3.921E-14	1.062E-12	-1547.8352
22	0.	SLV_dreno	Min	3.921E-14	1.090E-12	-1637.1147
22	0.24992	SLV_dreno	Min	3.921E-14	1.076E-12	-1591.9268
22	0.49985	SLV_dreno	Min	3.921E-14	1.062E-12	-1547.8352
22	0.	SLE_calotta	Max	1.333E-14	3.520E-13	-1074.9765
22	0.24992	SLE_calotta	Max	1.333E-14	3.503E-13	-1047.1848
22	0.49985	SLE_calotta	Max	1.333E-14	3.485E-13	-1020.3676
22	0.	SLE_calotta	Min	1.333E-14	3.520E-13	-1074.9765
22	0.24992	SLE_calotta	Min	1.333E-14	3.503E-13	-1047.1848
22	0.49985	SLE_calotta	Min	1.333E-14	3.485E-13	-1020.3676
22	0.	SLU_calotta	Max	1.782E-14	4.596E-13	-1397.4697
22	0.24992	SLU_calotta	Max	1.782E-14	4.525E-13	-1361.3405
22	0.49985	SLU_calotta	Max	1.782E-14	4.454E-13	-1326.4781
22	0.	SLU_calotta	Min	1.782E-14	4.596E-13	-1397.4697
22	0.24992	SLU_calotta	Min	1.782E-14	4.525E-13	-1361.3405

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
22	0.49985	SLU_calotta	Min	1.782E-14	4.454E-13	-1326.4781
22	0.	SLV_calotta	Max	0.	1.664E-12	-1164.0636
22	0.24992	SLV_calotta	Max	0.	1.636E-12	-1064.3222
22	0.49985	SLV_calotta	Max	0.	1.607E-12	-965.677
22	0.	SLV_calotta	Min	0.	1.664E-12	-1164.0636
22	0.24992	SLV_calotta	Min	0.	1.636E-12	-1064.3222
22	0.49985	SLV_calotta	Min	0.	1.607E-12	-965.677
23	0.	SLE_dreno	Max	-5.336E-15	7.681E-13	-1384.9455
23	0.24992	SLE_dreno	Max	-5.336E-15	7.574E-13	-1375.5631
23	0.49985	SLE_dreno	Max	-5.336E-15	7.468E-13	-1366.9729
23	0.	SLE_dreno	Min	-5.336E-15	7.681E-13	-1384.9455
23	0.24992	SLE_dreno	Min	-5.336E-15	7.574E-13	-1375.5631
23	0.49985	SLE_dreno	Min	-5.336E-15	7.468E-13	-1366.9729
23	0.	SLU_dreno	Max	-2.843E-14	1.024E-12	-1800.7204
23	0.24992	SLU_dreno	Max	-2.843E-14	1.024E-12	-1788.5267
23	0.49985	SLU_dreno	Max	-2.843E-14	1.024E-12	-1777.3628
23	0.	SLU_dreno	Min	-2.843E-14	1.024E-12	-1800.7204
23	0.24992	SLU_dreno	Min	-2.843E-14	1.024E-12	-1788.5267
23	0.49985	SLU_dreno	Min	-2.843E-14	1.024E-12	-1777.3628
23	0.	SLV_dreno	Max	6.057E-14	1.069E-12	-1547.8352
23	0.24992	SLV_dreno	Max	6.057E-14	1.048E-12	-1510.0944
23	0.49985	SLV_dreno	Max	6.057E-14	1.026E-12	-1473.2448
23	0.	SLV_dreno	Min	6.057E-14	1.069E-12	-1547.8352
23	0.24992	SLV_dreno	Min	6.057E-14	1.048E-12	-1510.0944
23	0.49985	SLV_dreno	Min	6.057E-14	1.026E-12	-1473.2448
23	0.	SLE_calotta	Max	2.134E-14	3.467E-13	-1020.3676
23	0.24992	SLE_calotta	Max	2.134E-14	3.449E-13	-999.6926
23	0.49985	SLE_calotta	Max	2.134E-14	3.432E-13	-979.8098
23	0.	SLE_calotta	Min	2.134E-14	3.467E-13	-1020.3676
23	0.24992	SLE_calotta	Min	2.134E-14	3.449E-13	-999.6926
23	0.49985	SLE_calotta	Min	2.134E-14	3.432E-13	-979.8098
23	0.	SLU_calotta	Max	2.672E-14	4.489E-13	-1326.4781
23	0.24992	SLU_calotta	Max	2.672E-14	4.454E-13	-1299.6006
23	0.49985	SLU_calotta	Max	2.672E-14	4.418E-13	-1273.7529
23	0.	SLU_calotta	Min	2.672E-14	4.489E-13	-1326.4781
23	0.24992	SLU_calotta	Min	2.672E-14	4.454E-13	-1299.6006
23	0.49985	SLU_calotta	Min	2.672E-14	4.418E-13	-1273.7529
23	0.	SLV_calotta	Max	2.844E-14	1.629E-12	-965.677
23	0.24992	SLV_calotta	Max	2.844E-14	1.600E-12	-876.7012
23	0.49985	SLV_calotta	Max	2.844E-14	1.572E-12	-788.6166
23	0.	SLV_calotta	Min	2.844E-14	1.629E-12	-965.677
23	0.24992	SLV_calotta	Min	2.844E-14	1.600E-12	-876.7012
23	0.49985	SLV_calotta	Min	2.844E-14	1.572E-12	-788.6166
24	0.	SLE_dreno	Max	7.116E-15	7.503E-13	-1366.9729
24	0.24992	SLE_dreno	Max	7.116E-15	7.432E-13	-1362.0441
24	0.49985	SLE_dreno	Max	7.116E-15	7.361E-13	-1357.7513
24	0.	SLE_dreno	Min	7.116E-15	7.503E-13	-1366.9729
24	0.24992	SLE_dreno	Min	7.116E-15	7.432E-13	-1362.0441
24	0.49985	SLE_dreno	Min	7.116E-15	7.361E-13	-1357.7513
24	0.	SLU_dreno	Max	2.843E-14	9.104E-13	-1777.3628
24	0.24992	SLU_dreno	Max	2.843E-14	8.536E-13	-1770.9585
24	0.49985	SLU_dreno	Max	2.843E-14	7.967E-13	-1765.381
24	0.	SLU_dreno	Min	2.843E-14	9.104E-13	-1777.3628
24	0.24992	SLU_dreno	Min	2.843E-14	8.536E-13	-1770.9585
24	0.49985	SLU_dreno	Min	2.843E-14	7.967E-13	-1765.381
24	0.	SLV_dreno	Max	7.661E-14	1.019E-12	-1473.2448
24	0.24992	SLV_dreno	Max	7.661E-14	9.906E-13	-1443.4028
24	0.49985	SLV_dreno	Max	7.661E-14	9.621E-13	-1414.2764
24	0.	SLV_dreno	Min	7.661E-14	1.019E-12	-1473.2448

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
24	0.24992	SLV_dreno	Min	7.661E-14	9.906E-13	-1443.4028
24	0.49985	SLV_dreno	Min	7.661E-14	9.621E-13	-1414.2764
24	0.	SLE_calotta	Max	2.667E-14	3.378E-13	-979.8098
24	0.24992	SLE_calotta	Max	2.667E-14	3.325E-13	-966.677
24	0.49985	SLE_calotta	Max	2.667E-14	3.272E-13	-954.1803
24	0.	SLE_calotta	Min	2.667E-14	3.378E-13	-979.8098
24	0.24992	SLE_calotta	Min	2.667E-14	3.325E-13	-966.677
24	0.49985	SLE_calotta	Min	2.667E-14	3.272E-13	-954.1803
24	0.	SLU_calotta	Max	3.385E-14	4.383E-13	-1273.7529
24	0.24992	SLU_calotta	Max	3.385E-14	4.329E-13	-1256.6803
24	0.49985	SLU_calotta	Max	3.385E-14	4.276E-13	-1240.4345
24	0.	SLU_calotta	Min	3.385E-14	4.383E-13	-1273.7529
24	0.24992	SLU_calotta	Min	3.385E-14	4.329E-13	-1256.6803
24	0.49985	SLU_calotta	Min	3.385E-14	4.276E-13	-1240.4345
24	0.	SLV_calotta	Max	6.402E-14	1.565E-12	-788.6166
24	0.24992	SLV_calotta	Max	6.402E-14	1.536E-12	-711.3943
24	0.49985	SLV_calotta	Max	6.402E-14	1.508E-12	-634.8875
24	0.	SLV_calotta	Min	6.402E-14	1.565E-12	-788.6166
24	0.24992	SLV_calotta	Min	6.402E-14	1.536E-12	-711.3943
24	0.49985	SLV_calotta	Min	6.402E-14	1.508E-12	-634.8875
25	0.	SLE_dreno	Max	2.134E-14	7.254E-13	-1357.7513
25	0.24992	SLE_dreno	Max	2.134E-14	7.006E-13	-1357.4597
25	0.49985	SLE_dreno	Max	2.134E-14	6.757E-13	-1357.6733
25	0.	SLE_dreno	Min	2.134E-14	7.254E-13	-1357.7513
25	0.24992	SLE_dreno	Min	2.134E-14	7.006E-13	-1357.4597
25	0.49985	SLE_dreno	Min	2.134E-14	6.757E-13	-1357.6733
25	0.	SLU_dreno	Max	4.265E-14	9.672E-13	-1765.381
25	0.24992	SLU_dreno	Max	4.265E-14	9.672E-13	-1765.0044
25	0.49985	SLU_dreno	Max	4.265E-14	9.672E-13	-1765.2847
25	0.	SLU_dreno	Min	4.265E-14	9.672E-13	-1765.381
25	0.24992	SLU_dreno	Min	4.265E-14	9.672E-13	-1765.0044
25	0.49985	SLU_dreno	Min	4.265E-14	9.672E-13	-1765.2847
25	0.	SLV_dreno	Max	9.977E-14	9.763E-13	-1414.2764
25	0.24992	SLV_dreno	Max	9.977E-14	9.406E-13	-1392.8552
25	0.49985	SLV_dreno	Max	9.977E-14	9.050E-13	-1372.0024
25	0.	SLV_dreno	Min	9.977E-14	9.763E-13	-1414.2764
25	0.24992	SLV_dreno	Min	9.977E-14	9.406E-13	-1392.8552
25	0.49985	SLV_dreno	Min	9.977E-14	9.050E-13	-1372.0024
25	0.	SLE_calotta	Max	3.289E-14	3.254E-13	-954.1803
25	0.24992	SLE_calotta	Max	3.289E-14	3.165E-13	-949.0851
25	0.49985	SLE_calotta	Max	3.289E-14	3.076E-13	-944.4953
25	0.	SLE_calotta	Min	3.289E-14	3.254E-13	-954.1803
25	0.24992	SLE_calotta	Min	3.289E-14	3.165E-13	-949.0851
25	0.49985	SLE_calotta	Min	3.289E-14	3.076E-13	-944.4953
25	0.	SLU_calotta	Max	4.365E-14	4.222E-13	-1240.4345
25	0.24992	SLU_calotta	Max	4.365E-14	4.115E-13	-1233.8109
25	0.49985	SLU_calotta	Max	4.365E-14	4.008E-13	-1227.8441
25	0.	SLU_calotta	Min	4.365E-14	4.222E-13	-1240.4345
25	0.24992	SLU_calotta	Min	4.365E-14	4.115E-13	-1233.8109
25	0.49985	SLU_calotta	Min	4.365E-14	4.008E-13	-1227.8441
25	0.	SLV_calotta	Max	9.246E-14	1.508E-12	-634.8875
25	0.24992	SLV_calotta	Max	9.246E-14	1.451E-12	-570.4779
25	0.49985	SLV_calotta	Max	9.246E-14	1.394E-12	-506.6367
25	0.	SLV_calotta	Min	9.246E-14	1.508E-12	-634.8875
25	0.24992	SLV_calotta	Min	9.246E-14	1.451E-12	-570.4779
25	0.49985	SLV_calotta	Min	9.246E-14	1.394E-12	-506.6367
26	0.	SLE_dreno	Max	3.912E-14	6.934E-13	-1357.6733
26	0.24992	SLE_dreno	Max	3.912E-14	6.685E-13	-1362.2665
26	0.49985	SLE_dreno	Max	3.912E-14	6.436E-13	-1367.252

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
26	0.	SLE_dreno	Min	3.912E-14	6.934E-13	-1357.6733
26	0.24992	SLE_dreno	Min	3.912E-14	6.685E-13	-1362.2665
26	0.49985	SLE_dreno	Min	3.912E-14	6.436E-13	-1367.252
26	0.	SLU_dreno	Max	7.110E-14	9.103E-13	-1765.2847
26	0.24992	SLU_dreno	Max	7.110E-14	8.251E-13	-1771.2578
26	0.49985	SLU_dreno	Max	7.110E-14	7.398E-13	-1777.741
26	0.	SLV_dreno	Min	7.110E-14	9.103E-13	-1765.2847
26	0.24992	SLV_dreno	Min	7.110E-14	8.251E-13	-1771.2578
26	0.49985	SLV_dreno	Min	7.110E-14	7.398E-13	-1777.741
26	0.	SLV_dreno	Max	1.194E-13	9.157E-13	-1372.0024
26	0.24992	SLV_dreno	Max	1.194E-13	8.765E-13	-1359.5881
26	0.49985	SLV_dreno	Max	1.194E-13	8.374E-13	-1347.6151
26	0.	SLV_dreno	Min	1.194E-13	9.157E-13	-1372.0024
26	0.24992	SLV_dreno	Min	1.194E-13	8.765E-13	-1359.5881
26	0.49985	SLV_dreno	Min	1.194E-13	8.374E-13	-1347.6151
26	0.	SLE_calotta	Max	4.089E-14	3.076E-13	-944.4953
26	0.24992	SLE_calotta	Max	4.089E-14	2.952E-13	-947.9957
26	0.49985	SLE_calotta	Max	4.089E-14	2.827E-13	-951.8884
26	0.	SLE_calotta	Min	4.089E-14	3.076E-13	-944.4953
26	0.24992	SLE_calotta	Min	4.089E-14	2.952E-13	-947.9957
26	0.49985	SLE_calotta	Min	4.089E-14	2.827E-13	-951.8884
26	0.	SLU_calotta	Max	5.078E-14	4.009E-13	-1227.8441
26	0.24992	SLU_calotta	Max	5.078E-14	3.831E-13	-1232.3946
26	0.49985	SLU_calotta	Max	5.078E-14	3.653E-13	-1237.4551
26	0.	SLU_calotta	Min	5.078E-14	4.009E-13	-1227.8441
26	0.24992	SLU_calotta	Min	5.078E-14	3.831E-13	-1232.3946
26	0.49985	SLU_calotta	Min	5.078E-14	3.653E-13	-1237.4551
26	0.	SLV_calotta	Max	1.174E-13	1.408E-12	-506.6367
26	0.24992	SLV_calotta	Max	1.174E-13	1.358E-12	-456.1616
26	0.49985	SLV_calotta	Max	1.174E-13	1.309E-12	-406.1278
26	0.	SLV_calotta	Min	1.174E-13	1.408E-12	-506.6367
26	0.24992	SLV_calotta	Min	1.174E-13	1.358E-12	-456.1616
26	0.49985	SLV_calotta	Min	1.174E-13	1.309E-12	-406.1278
27	0.	SLE_dreno	Max	5.512E-14	6.294E-13	-1367.252
27	0.24992	SLE_dreno	Max	5.512E-14	6.010E-13	-1377.0316
27	0.49985	SLE_dreno	Max	5.512E-14	5.725E-13	-1387.1079
27	0.	SLE_dreno	Min	5.512E-14	6.294E-13	-1367.252
27	0.24992	SLE_dreno	Min	5.512E-14	6.010E-13	-1377.0316
27	0.49985	SLE_dreno	Min	5.512E-14	5.725E-13	-1387.1079
27	0.	SLU_dreno	Max	8.533E-14	7.966E-13	-1777.741
27	0.24992	SLU_dreno	Max	8.533E-14	7.397E-13	-1790.4558
27	0.49985	SLU_dreno	Max	8.533E-14	6.829E-13	-1803.5562
27	0.	SLU_dreno	Min	8.533E-14	7.966E-13	-1777.741
27	0.24992	SLU_dreno	Min	8.533E-14	7.397E-13	-1790.4558
27	0.49985	SLU_dreno	Min	8.533E-14	6.829E-13	-1803.5562
27	0.	SLV_dreno	Max	1.390E-13	8.338E-13	-1347.6151
27	0.24992	SLV_dreno	Max	1.390E-13	7.839E-13	-1344.8461
27	0.49985	SLV_dreno	Max	1.390E-13	7.341E-13	-1342.4108
27	0.	SLV_dreno	Min	1.390E-13	8.338E-13	-1347.6151
27	0.24992	SLV_dreno	Min	1.390E-13	7.839E-13	-1344.8461
27	0.49985	SLV_dreno	Min	1.390E-13	7.341E-13	-1342.4108
27	0.	SLE_calotta	Max	4.623E-14	2.827E-13	-951.8884
27	0.24992	SLE_calotta	Max	4.623E-14	2.703E-13	-964.5919
27	0.49985	SLE_calotta	Max	4.623E-14	2.578E-13	-977.5921
27	0.	SLE_calotta	Min	4.623E-14	2.827E-13	-951.8884
27	0.24992	SLE_calotta	Min	4.623E-14	2.703E-13	-964.5919
27	0.49985	SLE_calotta	Min	4.623E-14	2.578E-13	-977.5921
27	0.	SLU_calotta	Max	6.146E-14	3.670E-13	-1237.4551
27	0.24992	SLU_calotta	Max	6.146E-14	3.510E-13	-1253.9696

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
27	0.49985	SLU_calotta	Max	6.146E-14	3.349E-13	-1270.8698
27	0.	SLU_calotta	Min	6.146E-14	3.670E-13	-1237.4551
27	0.24992	SLU_calotta	Min	6.146E-14	3.510E-13	-1253.9696
27	0.49985	SLU_calotta	Min	6.146E-14	3.349E-13	-1270.8698
27	0.	SLV_calotta	Max	1.565E-13	1.302E-12	-406.1278
27	0.24992	SLV_calotta	Max	1.565E-13	1.230E-12	-370.7582
27	0.49985	SLV_calotta	Max	1.565E-13	1.159E-12	-335.7224
27	0.	SLV_calotta	Min	1.565E-13	1.302E-12	-406.1278
27	0.24992	SLV_calotta	Min	1.565E-13	1.230E-12	-370.7582
27	0.49985	SLV_calotta	Min	1.565E-13	1.159E-12	-335.7224
28	0.	SLE_dreno	Max	7.112E-14	5.619E-13	-1387.1079
28	0.24992	SLE_dreno	Max	7.112E-14	5.370E-13	-1402.428
28	0.49985	SLE_dreno	Max	7.112E-14	5.121E-13	-1417.9635
28	0.	SLE_dreno	Min	7.112E-14	5.619E-13	-1387.1079
28	0.24992	SLE_dreno	Min	7.112E-14	5.370E-13	-1402.428
28	0.49985	SLE_dreno	Min	7.112E-14	5.121E-13	-1417.9635
28	0.	SLU_dreno	Max	9.956E-14	7.112E-13	-1803.5562
28	0.24992	SLU_dreno	Max	9.956E-14	7.112E-13	-1823.4728
28	0.49985	SLU_dreno	Max	9.956E-14	7.112E-13	-1843.6694
28	0.	SLU_dreno	Min	9.956E-14	7.112E-13	-1803.5562
28	0.24992	SLU_dreno	Min	9.956E-14	7.112E-13	-1823.4728
28	0.49985	SLU_dreno	Min	9.956E-14	7.112E-13	-1843.6694
28	0.	SLV_dreno	Max	1.603E-13	7.340E-13	-1342.4108
28	0.24992	SLV_dreno	Max	1.603E-13	6.984E-13	-1349.976
28	0.49985	SLV_dreno	Max	1.603E-13	6.627E-13	-1357.7834
28	0.	SLV_dreno	Min	1.603E-13	7.340E-13	-1342.4108
28	0.24992	SLV_dreno	Min	1.603E-13	6.984E-13	-1349.976
28	0.49985	SLV_dreno	Min	1.603E-13	6.627E-13	-1357.7834
28	0.	SLE_calotta	Max	5.423E-14	2.543E-13	-977.5921
28	0.24992	SLE_calotta	Max	5.423E-14	2.436E-13	-1000.1526
28	0.49985	SLE_calotta	Max	5.423E-14	2.329E-13	-1022.9285
28	0.	SLE_calotta	Min	5.423E-14	2.543E-13	-977.5921
28	0.24992	SLE_calotta	Min	5.423E-14	2.436E-13	-1000.1526
28	0.49985	SLE_calotta	Min	5.423E-14	2.329E-13	-1022.9285
28	0.	SLU_calotta	Max	6.860E-14	3.296E-13	-1270.8698
28	0.24992	SLU_calotta	Max	6.860E-14	3.154E-13	-1300.1985
28	0.49985	SLU_calotta	Max	6.860E-14	3.011E-13	-1329.8071
28	0.	SLU_calotta	Min	6.860E-14	3.296E-13	-1270.8698
28	0.24992	SLU_calotta	Min	6.860E-14	3.154E-13	-1300.1985
28	0.49985	SLU_calotta	Min	6.860E-14	3.011E-13	-1329.8071
28	0.	SLV_calotta	Max	1.885E-13	1.145E-12	-335.7224
28	0.24992	SLV_calotta	Max	1.885E-13	1.088E-12	-316.6755
28	0.49985	SLV_calotta	Max	1.885E-13	1.031E-12	-297.8708
28	0.	SLV_calotta	Min	1.885E-13	1.145E-12	-335.7224
28	0.24992	SLV_calotta	Min	1.885E-13	1.088E-12	-316.6755
28	0.49985	SLV_calotta	Min	1.885E-13	1.031E-12	-297.8708
29	0.	SLE_dreno	Max	8.268E-14	5.156E-13	-1417.9635
29	0.24992	SLE_dreno	Max	8.268E-14	4.943E-13	-1439.2255
29	0.49985	SLE_dreno	Max	8.268E-14	4.730E-13	-1460.6329
29	0.	SLE_dreno	Min	8.268E-14	5.156E-13	-1417.9635
29	0.24992	SLE_dreno	Min	8.268E-14	4.943E-13	-1439.2255
29	0.49985	SLE_dreno	Min	8.268E-14	4.730E-13	-1460.6329
29	0.	SLU_dreno	Max	1.280E-13	6.828E-13	-1843.6694
29	0.24992	SLU_dreno	Max	1.280E-13	6.543E-13	-1871.3095
29	0.49985	SLU_dreno	Max	1.280E-13	6.259E-13	-1899.1386
29	0.	SLU_dreno	Min	1.280E-13	6.828E-13	-1843.6694
29	0.24992	SLU_dreno	Min	1.280E-13	6.543E-13	-1871.3095
29	0.49985	SLU_dreno	Min	1.280E-13	6.259E-13	-1899.1386
29	0.	SLV_dreno	Max	1.746E-13	6.556E-13	-1357.7834

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
29	0.24992	SLV_dreno	Max	1.746E-13	6.164E-13	-1376.4153
29	0.49985	SLV_dreno	Max	1.746E-13	5.773E-13	-1395.2107
29	0.	SLV_dreno	Min	1.746E-13	6.556E-13	-1357.7834
29	0.24992	SLV_dreno	Min	1.746E-13	6.164E-13	-1376.4153
29	0.49985	SLV_dreno	Min	1.746E-13	5.773E-13	-1395.2107
29	0.	SLE_calotta	Max	5.868E-14	2.311E-13	-1022.9285
29	0.24992	SLE_calotta	Max	5.868E-14	2.205E-13	-1056.0384
29	0.49985	SLE_calotta	Max	5.868E-14	2.098E-13	-1089.2936
29	0.	SLE_calotta	Min	5.868E-14	2.311E-13	-1022.9285
29	0.24992	SLE_calotta	Min	5.868E-14	2.205E-13	-1056.0384
29	0.49985	SLE_calotta	Min	5.868E-14	2.098E-13	-1089.2936
29	0.	SLU_calotta	Max	7.839E-14	2.993E-13	-1329.8071
29	0.24992	SLU_calotta	Max	7.839E-14	2.868E-13	-1372.85
29	0.49985	SLU_calotta	Max	7.839E-14	2.744E-13	-1416.0818
29	0.	SLU_calotta	Min	7.839E-14	2.993E-13	-1329.8071
29	0.24992	SLU_calotta	Min	7.839E-14	2.868E-13	-1372.85
29	0.49985	SLU_calotta	Min	7.839E-14	2.744E-13	-1416.0818
29	0.	SLV_calotta	Max	2.063E-13	1.017E-12	-297.8708
29	0.24992	SLV_calotta	Max	2.063E-13	9.602E-13	-296.4017
29	0.49985	SLV_calotta	Max	2.063E-13	9.033E-13	-295.096
29	0.	SLV_calotta	Min	2.063E-13	1.017E-12	-297.8708
29	0.24992	SLV_calotta	Min	2.063E-13	9.602E-13	-296.4017
29	0.49985	SLV_calotta	Min	2.063E-13	9.033E-13	-295.096
30	0.	SLE_dreno	Max	9.157E-14	4.587E-13	-1460.6329
30	0.24992	SLE_dreno	Max	9.157E-14	4.267E-13	-1488.2798
30	0.49985	SLE_dreno	Max	9.157E-14	3.948E-13	-1516.0104
30	0.	SLE_dreno	Min	9.157E-14	4.587E-13	-1460.6329
30	0.24992	SLE_dreno	Min	9.157E-14	4.267E-13	-1488.2798
30	0.49985	SLE_dreno	Min	9.157E-14	3.948E-13	-1516.0104
30	0.	SLU_dreno	Max	1.280E-13	5.974E-13	-1899.1386
30	0.24992	SLU_dreno	Max	1.280E-13	5.690E-13	-1935.0781
30	0.49985	SLU_dreno	Max	1.280E-13	5.405E-13	-1971.1263
30	0.	SLU_dreno	Min	1.280E-13	5.974E-13	-1899.1386
30	0.24992	SLU_dreno	Min	1.280E-13	5.690E-13	-1935.0781
30	0.49985	SLU_dreno	Min	1.280E-13	5.405E-13	-1971.1263
30	0.	SLV_dreno	Max	1.853E-13	5.701E-13	-1395.2107
30	0.24992	SLV_dreno	Max	1.853E-13	5.309E-13	-1425.6784
30	0.49985	SLV_dreno	Max	1.853E-13	4.917E-13	-1456.2402
30	0.	SLV_dreno	Min	1.853E-13	5.701E-13	-1395.2107
30	0.24992	SLV_dreno	Min	1.853E-13	5.309E-13	-1425.6784
30	0.49985	SLV_dreno	Min	1.853E-13	4.917E-13	-1456.2402
30	0.	SLE_calotta	Max	6.312E-14	2.027E-13	-1089.2936
30	0.24992	SLE_calotta	Max	6.312E-14	1.903E-13	-1133.7287
30	0.49985	SLE_calotta	Max	6.312E-14	1.778E-13	-1178.2475
30	0.	SLE_calotta	Min	6.312E-14	2.027E-13	-1089.2936
30	0.24992	SLE_calotta	Min	6.312E-14	1.903E-13	-1133.7287
30	0.49985	SLE_calotta	Min	6.312E-14	1.778E-13	-1178.2475
30	0.	SLU_calotta	Max	8.107E-14	2.690E-13	-1416.0818
30	0.24992	SLU_calotta	Max	8.107E-14	2.530E-13	-1473.8475
30	0.49985	SLU_calotta	Max	8.107E-14	2.370E-13	-1531.7219
30	0.	SLU_calotta	Min	8.107E-14	2.690E-13	-1416.0818
30	0.24992	SLU_calotta	Min	8.107E-14	2.530E-13	-1473.8475
30	0.49985	SLU_calotta	Min	8.107E-14	2.370E-13	-1531.7219
30	0.	SLV_calotta	Max	2.276E-13	8.962E-13	-295.096
30	0.24992	SLV_calotta	Max	2.276E-13	8.322E-13	-312.4895
30	0.49985	SLV_calotta	Max	2.276E-13	7.682E-13	-329.9772
30	0.	SLV_calotta	Min	2.276E-13	8.962E-13	-295.096
30	0.24992	SLV_calotta	Min	2.276E-13	8.322E-13	-312.4895
30	0.49985	SLV_calotta	Min	2.276E-13	7.682E-13	-329.9772

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
31	0.	SLE_dreno	Max	1.022E-13	4.090E-13	-1516.0104
31	0.24992	SLE_dreno	Max	1.022E-13	3.770E-13	-1550.6747
31	0.49985	SLE_dreno	Max	1.022E-13	3.450E-13	-1585.3662
31	0.	SLE_dreno	Min	1.022E-13	4.090E-13	-1516.0104
31	0.24992	SLE_dreno	Min	1.022E-13	3.770E-13	-1550.6747
31	0.49985	SLE_dreno	Min	1.022E-13	3.450E-13	-1585.3662
31	0.	SLU_dreno	Max	1.280E-13	5.689E-13	-1971.1263
31	0.24992	SLU_dreno	Max	1.280E-13	5.405E-13	-2016.1874
31	0.49985	SLU_dreno	Max	1.280E-13	5.120E-13	-2061.2838
31	0.	SLU_dreno	Min	1.280E-13	5.689E-13	-1971.1263
31	0.24992	SLU_dreno	Min	1.280E-13	5.405E-13	-2016.1874
31	0.49985	SLU_dreno	Min	1.280E-13	5.120E-13	-2061.2838
31	0.	SLV_dreno	Max	1.977E-13	4.846E-13	-1456.2402
31	0.24992	SLV_dreno	Max	1.977E-13	4.383E-13	-1499.3425
31	0.49985	SLV_dreno	Max	1.977E-13	3.920E-13	-1542.4754
31	0.	SLV_dreno	Min	1.977E-13	4.846E-13	-1456.2402
31	0.24992	SLV_dreno	Min	1.977E-13	4.383E-13	-1499.3425
31	0.49985	SLV_dreno	Min	1.977E-13	3.920E-13	-1542.4754
31	0.	SLE_calotta	Max	6.756E-14	1.831E-13	-1178.2475
31	0.24992	SLE_calotta	Max	6.756E-14	1.689E-13	-1234.91
31	0.49985	SLE_calotta	Max	6.756E-14	1.547E-13	-1291.5996
31	0.	SLE_calotta	Min	6.756E-14	1.831E-13	-1178.2475
31	0.24992	SLE_calotta	Min	6.756E-14	1.689E-13	-1234.91
31	0.49985	SLE_calotta	Min	6.756E-14	1.547E-13	-1291.5996
31	0.	SLU_calotta	Max	8.774E-14	2.334E-13	-1531.7219
31	0.24992	SLU_calotta	Max	8.774E-14	2.174E-13	-1605.383
31	0.49985	SLU_calotta	Max	8.774E-14	2.013E-13	-1679.0796
31	0.	SLU_calotta	Min	8.774E-14	2.334E-13	-1531.7219
31	0.24992	SLU_calotta	Min	8.774E-14	2.174E-13	-1605.383
31	0.49985	SLU_calotta	Min	8.774E-14	2.013E-13	-1679.0796
31	0.	SLV_calotta	Max	2.436E-13	7.610E-13	-329.9772
31	0.24992	SLV_calotta	Max	2.436E-13	6.899E-13	-367.5401
31	0.49985	SLV_calotta	Max	2.436E-13	6.189E-13	-405.1335
31	0.	SLV_calotta	Min	2.436E-13	7.610E-13	-329.9772
31	0.24992	SLV_calotta	Min	2.436E-13	6.899E-13	-367.5401
31	0.49985	SLV_calotta	Min	2.436E-13	6.189E-13	-405.1335
32	0.	SLE_dreno	Max	1.111E-13	1.387E-13	-1585.3662
32	0.21616	SLE_dreno	Max	1.111E-13	1.110E-13	-1617.3887
32	0.43231	SLE_dreno	Max	1.111E-13	8.338E-14	-1649.3719
32	0.	SLE_dreno	Min	1.111E-13	1.387E-13	-1585.3662
32	0.21616	SLE_dreno	Min	1.111E-13	1.110E-13	-1617.3887
32	0.43231	SLE_dreno	Min	1.111E-13	8.338E-14	-1649.3719
32	0.	SLU_dreno	Max	1.565E-13	1.707E-13	-2061.2838
32	0.21616	SLU_dreno	Max	1.565E-13	1.707E-13	-2102.9098
32	0.43231	SLU_dreno	Max	1.565E-13	1.707E-13	-2144.4847
32	0.	SLU_dreno	Min	1.565E-13	1.707E-13	-2061.2838
32	0.21616	SLU_dreno	Min	1.565E-13	1.707E-13	-2102.9098
32	0.43231	SLU_dreno	Min	1.565E-13	1.707E-13	-2144.4847
32	0.	SLV_dreno	Max	2.102E-13	1.924E-13	-1542.4754
32	0.21616	SLV_dreno	Max	2.102E-13	1.554E-13	-1585.5841
32	0.43231	SLV_dreno	Max	2.102E-13	1.185E-13	-1628.6486
32	0.	SLV_dreno	Min	2.102E-13	1.924E-13	-1542.4754
32	0.21616	SLV_dreno	Min	2.102E-13	1.554E-13	-1585.5841
32	0.43231	SLV_dreno	Min	2.102E-13	1.185E-13	-1628.6486
32	0.	SLE_calotta	Max	7.201E-14	-1.066E-14	-1291.5996
32	0.21616	SLE_calotta	Max	7.201E-14	-3.064E-14	-1347.2614
32	0.43231	SLE_calotta	Max	7.201E-14	-5.062E-14	-1402.8838
32	0.	SLE_calotta	Min	7.201E-14	-1.066E-14	-1291.5996
32	0.21616	SLE_calotta	Min	7.201E-14	-3.064E-14	-1347.2614

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
32	0.43231	SLE_calotta	Min	7.201E-14	-5.062E-14	-1402.8838
32	0.	SLU_calotta	Max	9.442E-14	-1.069E-14	-1679.0796
32	0.21616	SLU_calotta	Max	9.442E-14	-3.224E-14	-1751.4399
32	0.43231	SLU_calotta	Max	9.442E-14	-5.379E-14	-1823.7491
32	0.	SLU_calotta	Min	9.442E-14	-1.069E-14	-1679.0796
32	0.21616	SLU_calotta	Min	9.442E-14	-3.224E-14	-1751.4399
32	0.43231	SLU_calotta	Min	9.442E-14	-5.379E-14	-1823.7491
32	0.	SLV_calotta	Max	2.614E-13	5.548E-13	-405.1335
32	0.21616	SLV_calotta	Max	2.614E-13	4.994E-13	-450.3434
32	0.43231	SLV_calotta	Max	2.614E-13	4.441E-13	-495.509
32	0.	SLV_calotta	Min	2.614E-13	5.548E-13	-405.1335
32	0.21616	SLV_calotta	Min	2.614E-13	4.994E-13	-450.3434
32	0.43231	SLV_calotta	Min	2.614E-13	4.441E-13	-495.509
33	0.	SLE_dreno	Max	1.262E-13	8.181E-14	-1649.3719
33	0.21616	SLE_dreno	Max	1.262E-13	5.107E-14	-1679.3087
33	0.43231	SLE_dreno	Max	1.262E-13	2.034E-14	-1709.1268
33	0.	SLE_dreno	Min	1.262E-13	8.181E-14	-1649.3719
33	0.21616	SLE_dreno	Min	1.262E-13	5.107E-14	-1679.3087
33	0.43231	SLE_dreno	Min	1.262E-13	2.034E-14	-1709.1268
33	0.	SLU_dreno	Max	1.565E-13	5.698E-14	-2144.4847
33	0.21616	SLU_dreno	Max	1.565E-13	5.695E-14	-2183.3976
33	0.43231	SLU_dreno	Max	1.565E-13	5.694E-14	-2222.1565
33	0.	SLU_dreno	Min	1.565E-13	5.698E-14	-2144.4847
33	0.21616	SLU_dreno	Min	1.565E-13	5.695E-14	-2183.3976
33	0.43231	SLU_dreno	Min	1.565E-13	5.694E-14	-2222.1565
33	0.	SLV_dreno	Max	2.227E-13	9.973E-14	-1628.6486
33	0.21616	SLV_dreno	Max	2.227E-13	5.971E-14	-1672.3461
33	0.43231	SLV_dreno	Max	2.227E-13	1.971E-14	-1715.9101
33	0.	SLV_dreno	Min	2.227E-13	9.973E-14	-1628.6486
33	0.21616	SLV_dreno	Min	2.227E-13	5.971E-14	-1672.3461
33	0.43231	SLV_dreno	Min	2.227E-13	1.971E-14	-1715.9101
33	0.	SLE_calotta	Max	7.823E-14	-4.801E-14	-1402.8838
33	0.21616	SLE_calotta	Max	7.823E-14	-6.798E-14	-1460.9875
33	0.43231	SLE_calotta	Max	7.823E-14	-8.795E-14	-1518.9726
33	0.	SLE_calotta	Min	7.823E-14	-4.801E-14	-1402.8838
33	0.21616	SLE_calotta	Min	7.823E-14	-6.798E-14	-1460.9875
33	0.43231	SLE_calotta	Min	7.823E-14	-8.795E-14	-1518.9726
33	0.	SLU_calotta	Max	1.015E-13	-6.413E-14	-1823.7491
33	0.21616	SLU_calotta	Max	1.015E-13	-8.877E-14	-1899.2838
33	0.43231	SLU_calotta	Max	1.015E-13	-1.134E-13	-1974.6644
33	0.	SLU_calotta	Min	1.015E-13	-6.413E-14	-1823.7491
33	0.21616	SLU_calotta	Min	1.015E-13	-8.877E-14	-1899.2838
33	0.43231	SLU_calotta	Min	1.015E-13	-1.134E-13	-1974.6644
33	0.	SLV_calotta	Max	2.827E-13	4.410E-13	-495.509
33	0.21616	SLV_calotta	Max	2.827E-13	3.733E-13	-548.5488
33	0.43231	SLV_calotta	Max	2.827E-13	3.057E-13	-601.4552
33	0.	SLV_calotta	Min	2.827E-13	4.410E-13	-495.509
33	0.21616	SLV_calotta	Min	2.827E-13	3.733E-13	-548.5488
33	0.43231	SLV_calotta	Min	2.827E-13	3.057E-13	-601.4552
34	0.	SLE_dreno	Max	1.325E-13	1.423E-14	-1709.1268
34	0.21616	SLE_dreno	Max	1.325E-13	-2.571E-14	-1737.5808
34	0.43231	SLE_dreno	Max	1.325E-13	-6.563E-14	-1765.8335
34	0.	SLE_dreno	Min	1.325E-13	1.423E-14	-1709.1268
34	0.21616	SLE_dreno	Min	1.325E-13	-2.571E-14	-1737.5808
34	0.43231	SLE_dreno	Min	1.325E-13	-6.563E-14	-1765.8335
34	0.	SLU_dreno	Max	1.707E-13	1.137E-13	-2222.1565
34	0.21616	SLU_dreno	Max	1.707E-13	1.537E-14	-2259.1404
34	0.43231	SLU_dreno	Max	1.707E-13	-8.294E-14	-2295.8628
34	0.	SLU_dreno	Min	1.707E-13	1.137E-13	-2222.1565



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
34	0.21616	SLU_dreno	Min	1.707E-13	1.537E-14	-2259.1404
34	0.43231	SLU_dreno	Min	1.707E-13	-8.294E-14	-2295.8628
34	0.	SLV_dreno	Max	2.352E-13	3.560E-15	-1715.9101
34	0.21616	SLV_dreno	Max	2.352E-13	-4.265E-14	-1760.7286
34	0.43231	SLV_dreno	Max	2.352E-13	-8.883E-14	-1805.3208
34	0.	SLV_dreno	Min	2.352E-13	3.560E-15	-1715.9101
34	0.21616	SLV_dreno	Min	2.352E-13	-4.265E-14	-1760.7286
34	0.43231	SLV_dreno	Min	2.352E-13	-8.883E-14	-1805.3208
34	0.	SLE_calotta	Max	8.135E-14	-8.891E-14	-1518.9726
34	0.21616	SLE_calotta	Max	8.135E-14	-1.120E-13	-1579.9632
34	0.43231	SLE_calotta	Max	8.135E-14	-1.350E-13	-1640.7527
34	0.	SLE_calotta	Min	8.135E-14	-8.891E-14	-1518.9726
34	0.21616	SLE_calotta	Min	8.135E-14	-1.120E-13	-1579.9632
34	0.43231	SLE_calotta	Min	8.135E-14	-1.350E-13	-1640.7527
34	0.	SLU_calotta	Max	1.087E-13	-1.176E-13	-1974.6644
34	0.21616	SLU_calotta	Max	1.087E-13	-1.453E-13	-2053.9522
34	0.43231	SLU_calotta	Max	1.087E-13	-1.730E-13	-2132.9785
34	0.	SLU_calotta	Min	1.087E-13	-1.176E-13	-1974.6644
34	0.21616	SLU_calotta	Min	1.087E-13	-1.453E-13	-2053.9522
34	0.43231	SLU_calotta	Min	1.087E-13	-1.730E-13	-2132.9785
34	0.	SLV_calotta	Max	3.005E-13	2.916E-13	-601.4552
34	0.21616	SLV_calotta	Max	3.005E-13	2.117E-13	-663.2448
34	0.43231	SLV_calotta	Max	3.005E-13	1.318E-13	-724.808
34	0.	SLV_calotta	Min	3.005E-13	2.916E-13	-601.4552
34	0.21616	SLV_calotta	Min	3.005E-13	2.117E-13	-663.2448
34	0.43231	SLV_calotta	Min	3.005E-13	1.318E-13	-724.808
35	0.	SLE_dreno	Max	1.440E-13	-7.110E-14	-1765.8335
35	0.21616	SLE_dreno	Max	1.440E-13	-1.018E-13	-1793.3051
35	0.43231	SLE_dreno	Max	1.440E-13	-1.326E-13	-1820.485
35	0.	SLE_dreno	Min	1.440E-13	-7.110E-14	-1765.8335
35	0.21616	SLE_dreno	Min	1.440E-13	-1.018E-13	-1793.3051
35	0.43231	SLE_dreno	Min	1.440E-13	-1.326E-13	-1820.485
35	0.	SLU_dreno	Max	2.133E-13	-5.693E-14	-2295.8628
35	0.21616	SLU_dreno	Max	2.133E-13	-1.552E-13	-2331.5682
35	0.43231	SLU_dreno	Max	2.133E-13	-2.535E-13	-2366.8946
35	0.	SLU_dreno	Min	2.133E-13	-5.693E-14	-2295.8628
35	0.21616	SLU_dreno	Min	2.133E-13	-1.552E-13	-2331.5682
35	0.43231	SLU_dreno	Min	2.133E-13	-2.535E-13	-2366.8946
35	0.	SLV_dreno	Max	2.370E-13	-9.980E-14	-1805.3208
35	0.21616	SLV_dreno	Max	2.370E-13	-1.490E-13	-1851.6836
35	0.43231	SLV_dreno	Max	2.370E-13	-1.982E-13	-1897.7183
35	0.	SLV_dreno	Min	2.370E-13	-9.980E-14	-1805.3208
35	0.21616	SLV_dreno	Min	2.370E-13	-1.490E-13	-1851.6836
35	0.43231	SLV_dreno	Min	2.370E-13	-1.982E-13	-1897.7183
35	0.	SLE_calotta	Max	8.579E-14	-1.405E-13	-1640.7527
35	0.21616	SLE_calotta	Max	8.579E-14	-1.620E-13	-1705.0007
35	0.43231	SLE_calotta	Max	8.579E-14	-1.834E-13	-1768.9571
35	0.	SLE_calotta	Min	8.579E-14	-1.405E-13	-1640.7527
35	0.21616	SLE_calotta	Min	8.579E-14	-1.620E-13	-1705.0007
35	0.43231	SLE_calotta	Min	8.579E-14	-1.834E-13	-1768.9571
35	0.	SLU_calotta	Max	1.113E-13	-1.782E-13	-2132.9785
35	0.21616	SLU_calotta	Max	1.113E-13	-2.089E-13	-2216.5009
35	0.43231	SLU_calotta	Max	1.113E-13	-2.397E-13	-2299.6442
35	0.	SLU_calotta	Min	1.113E-13	-1.782E-13	-2132.9785
35	0.21616	SLU_calotta	Min	1.113E-13	-2.089E-13	-2216.5009
35	0.43231	SLU_calotta	Min	1.113E-13	-2.397E-13	-2299.6442
35	0.	SLV_calotta	Max	3.147E-13	1.280E-13	-724.808
35	0.21616	SLV_calotta	Max	3.147E-13	6.654E-14	-796.0575
35	0.43231	SLV_calotta	Max	3.147E-13	5.142E-15	-866.9789

**Table 21: Element Forces - Frames, Part 2 of 2**

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
35	0.	SLV_calotta	Min	3.147E-13	1.280E-13	-724.808
35	0.21616	SLV_calotta	Min	3.147E-13	6.654E-14	-796.0575
35	0.43231	SLV_calotta	Min	3.147E-13	5.142E-15	-866.9789
36	0.	SLE_dreno	Max	1.449E-13	-1.493E-13	-1820.485
36	0.23676	SLE_dreno	Max	1.449E-13	-1.763E-13	-1849.9257
36	0.47352	SLE_dreno	Max	1.449E-13	-2.031E-13	-1878.8913
36	0.	SLE_dreno	Min	1.449E-13	-1.493E-13	-1820.485
36	0.23676	SLE_dreno	Min	1.449E-13	-1.763E-13	-1849.9257
36	0.47352	SLE_dreno	Min	1.449E-13	-2.031E-13	-1878.8913
36	0.	SLU_dreno	Max	1.991E-13	-3.412E-13	-2366.8946
36	0.23676	SLU_dreno	Max	1.991E-13	-2.335E-13	-2405.1576
36	0.47352	SLU_dreno	Max	1.991E-13	-1.258E-13	-2442.8031
36	0.	SLU_dreno	Min	1.991E-13	-3.412E-13	-2366.8946
36	0.23676	SLU_dreno	Min	1.991E-13	-2.335E-13	-2405.1576
36	0.47352	SLU_dreno	Min	1.991E-13	-1.258E-13	-2442.8031
36	0.	SLV_dreno	Max	2.405E-13	-2.209E-13	-1897.7183
36	0.23676	SLV_dreno	Max	2.405E-13	-2.546E-13	-1950.6544
36	0.47352	SLV_dreno	Max	2.405E-13	-2.882E-13	-2003.056
36	0.	SLV_dreno	Min	2.405E-13	-2.209E-13	-1897.7183
36	0.23676	SLV_dreno	Min	2.405E-13	-2.546E-13	-1950.6544
36	0.47352	SLV_dreno	Min	2.405E-13	-2.882E-13	-2003.056
36	0.	SLE_calotta	Max	8.757E-14	-1.849E-13	-1768.9571
36	0.23676	SLE_calotta	Max	8.757E-14	-2.051E-13	-1843.4165
36	0.47352	SLE_calotta	Max	8.757E-14	-2.252E-13	-1917.4008
36	0.	SLE_calotta	Min	8.757E-14	-1.849E-13	-1768.9571
36	0.23676	SLE_calotta	Min	8.757E-14	-2.051E-13	-1843.4165
36	0.47352	SLE_calotta	Min	8.757E-14	-2.252E-13	-1917.4008
36	0.	SLU_calotta	Max	1.122E-13	-2.387E-13	-2299.6442
36	0.23676	SLU_calotta	Max	1.122E-13	-2.724E-13	-2396.4414
36	0.47352	SLU_calotta	Max	1.122E-13	-3.060E-13	-2492.6209
36	0.	SLU_calotta	Min	1.122E-13	-2.387E-13	-2299.6442
36	0.23676	SLU_calotta	Min	1.122E-13	-2.724E-13	-2396.4414
36	0.47352	SLU_calotta	Min	1.122E-13	-3.060E-13	-2492.6209
36	0.	SLV_calotta	Max	3.165E-13	-4.263E-14	-866.9789
36	0.23676	SLV_calotta	Max	3.165E-13	-1.032E-13	-956.4645
36	0.47352	SLV_calotta	Max	3.165E-13	-1.637E-13	-1045.4157
36	0.	SLV_calotta	Min	3.165E-13	-4.263E-14	-866.9789
36	0.23676	SLV_calotta	Min	3.165E-13	-1.032E-13	-956.4645
36	0.47352	SLV_calotta	Min	3.165E-13	-1.637E-13	-1045.4157
37	0.	SLE_dreno	Max	1.431E-13	-2.134E-13	-1878.8913
37	0.23676	SLE_dreno	Max	1.431E-13	-2.403E-13	-1908.1577
37	0.47352	SLE_dreno	Max	1.431E-13	-2.671E-13	-1936.7997
37	0.	SLE_dreno	Min	1.431E-13	-2.134E-13	-1878.8913
37	0.23676	SLE_dreno	Min	1.431E-13	-2.403E-13	-1908.1577
37	0.47352	SLE_dreno	Min	1.431E-13	-2.671E-13	-1936.7997
37	0.	SLU_dreno	Max	1.991E-13	-2.844E-13	-2442.8031
37	0.23676	SLU_dreno	Max	1.991E-13	-2.306E-13	-2480.8381
37	0.47352	SLU_dreno	Max	1.991E-13	-1.767E-13	-2518.0614
37	0.	SLU_dreno	Min	1.991E-13	-2.844E-13	-2442.8031
37	0.23676	SLU_dreno	Min	1.991E-13	-2.306E-13	-2480.8381
37	0.47352	SLU_dreno	Min	1.991E-13	-1.767E-13	-2518.0614
37	0.	SLV_dreno	Max	2.298E-13	-2.993E-13	-2003.056
37	0.23676	SLV_dreno	Max	2.298E-13	-3.532E-13	-2058.6008
37	0.47352	SLV_dreno	Max	2.298E-13	-4.071E-13	-2113.4432
37	0.	SLV_dreno	Min	2.298E-13	-2.993E-13	-2003.056
37	0.23676	SLV_dreno	Min	2.298E-13	-3.532E-13	-2058.6008
37	0.47352	SLV_dreno	Min	2.298E-13	-4.071E-13	-2113.4432
37	0.	SLE_calotta	Max	8.446E-14	-2.311E-13	-1917.4008
37	0.23676	SLE_calotta	Max	8.446E-14	-2.513E-13	-1996.3429

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
37	0.47352	SLE_calotta	Max	8.446E-14	-2.714E-13	-2074.6606
37	0.	SLE_calotta	Min	8.446E-14	-2.311E-13	-1917.4008
37	0.23676	SLE_calotta	Min	8.446E-14	-2.513E-13	-1996.3429
37	0.47352	SLE_calotta	Min	8.446E-14	-2.714E-13	-2074.6606
37	0.	SLU_calotta	Max	1.096E-13	-3.064E-13	-2492.6209
37	0.23676	SLU_calotta	Max	1.096E-13	-3.266E-13	-2595.2457
37	0.47352	SLU_calotta	Max	1.096E-13	-3.468E-13	-2697.0587
37	0.	SLU_calotta	Min	1.096E-13	-3.064E-13	-2492.6209
37	0.23676	SLU_calotta	Min	1.096E-13	-3.266E-13	-2595.2457
37	0.47352	SLU_calotta	Min	1.096E-13	-3.468E-13	-2697.0587
37	0.	SLV_calotta	Max	3.023E-13	-1.850E-13	-1045.4157
37	0.23676	SLV_calotta	Max	3.023E-13	-2.522E-13	-1147.0896
37	0.47352	SLV_calotta	Max	3.023E-13	-3.194E-13	-1248.0609
37	0.	SLV_calotta	Min	3.023E-13	-1.850E-13	-1045.4157
37	0.23676	SLV_calotta	Min	3.023E-13	-2.522E-13	-1147.0896
37	0.47352	SLV_calotta	Min	3.023E-13	-3.194E-13	-1248.0609
38	0.	SLE_dreno	Max	1.387E-13	-2.632E-13	-1936.7997
38	0.23676	SLE_dreno	Max	1.387E-13	-2.968E-13	-1966.2389
38	0.47352	SLE_dreno	Max	1.387E-13	-3.303E-13	-1994.8796
38	0.	SLE_dreno	Min	1.387E-13	-2.632E-13	-1936.7997
38	0.23676	SLE_dreno	Min	1.387E-13	-2.968E-13	-1966.2389
38	0.47352	SLE_dreno	Min	1.387E-13	-3.303E-13	-1994.8796
38	0.	SLU_dreno	Max	1.707E-13	-3.982E-13	-2518.0614
38	0.23676	SLU_dreno	Max	1.707E-13	-4.520E-13	-2556.3196
38	0.47352	SLU_dreno	Max	1.707E-13	-5.057E-13	-2593.5398
38	0.	SLU_dreno	Min	1.707E-13	-3.982E-13	-2518.0614
38	0.23676	SLU_dreno	Min	1.707E-13	-4.520E-13	-2556.3196
38	0.47352	SLU_dreno	Min	1.707E-13	-5.057E-13	-2593.5398
38	0.	SLV_dreno	Max	2.245E-13	-3.919E-13	-2113.4432
38	0.23676	SLV_dreno	Max	2.245E-13	-4.256E-13	-2171.7917
38	0.47352	SLV_dreno	Max	2.245E-13	-4.592E-13	-2229.242
38	0.	SLV_dreno	Min	2.245E-13	-3.919E-13	-2113.4432
38	0.23676	SLV_dreno	Min	2.245E-13	-4.256E-13	-2171.7917
38	0.47352	SLV_dreno	Min	2.245E-13	-4.592E-13	-2229.242
38	0.	SLE_calotta	Max	8.312E-14	-2.774E-13	-2074.6606
38	0.23676	SLE_calotta	Max	8.312E-14	-2.942E-13	-2158.1582
38	0.47352	SLE_calotta	Max	8.312E-14	-3.109E-13	-2240.8573
38	0.	SLE_calotta	Min	8.312E-14	-2.774E-13	-2074.6606
38	0.23676	SLE_calotta	Min	8.312E-14	-2.942E-13	-2158.1582
38	0.47352	SLE_calotta	Min	8.312E-14	-3.109E-13	-2240.8573
38	0.	SLU_calotta	Max	1.069E-13	-3.563E-13	-2697.0587
38	0.23676	SLU_calotta	Max	1.069E-13	-3.833E-13	-2805.6055
38	0.47352	SLU_calotta	Max	1.069E-13	-4.100E-13	-2913.1144
38	0.	SLU_calotta	Min	1.069E-13	-3.563E-13	-2697.0587
38	0.23676	SLU_calotta	Min	1.069E-13	-3.833E-13	-2805.6055
38	0.47352	SLU_calotta	Min	1.069E-13	-4.100E-13	-2913.1144
38	0.	SLV_calotta	Max	2.987E-13	-3.271E-13	-1248.0609
38	0.23676	SLV_calotta	Max	2.987E-13	-3.675E-13	-1361.7915
38	0.47352	SLV_calotta	Max	2.987E-13	-4.078E-13	-1474.6238
38	0.	SLV_calotta	Min	2.987E-13	-3.271E-13	-1248.0609
38	0.23676	SLV_calotta	Min	2.987E-13	-3.675E-13	-1361.7915
38	0.47352	SLV_calotta	Min	2.987E-13	-4.078E-13	-1474.6238
39	0.	SLE_dreno	Max	-2.666E-15	-3.983E-13	-1995.6836
39	0.24636	SLE_dreno	Max	-2.666E-15	-3.981E-13	-1727.1825
39	0.49272	SLE_dreno	Max	-2.666E-15	-3.978E-13	-1456.6119
39	0.	SLE_dreno	Min	-2.666E-15	-3.983E-13	-1995.6836
39	0.24636	SLE_dreno	Min	-2.666E-15	-3.981E-13	-1727.1825
39	0.49272	SLE_dreno	Min	-2.666E-15	-3.978E-13	-1456.6119
39	0.	SLU_dreno	Max	-1.066E-14	-5.689E-13	-2594.5851

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
39	0.24636	SLU_dreno	Max	-1.066E-14	-5.687E-13	-2245.5029
39	0.49272	SLU_dreno	Max	-1.066E-14	-5.682E-13	-1893.7304
39	0.	SLU_dreno	Min	-1.066E-14	-5.689E-13	-2594.5851
39	0.24636	SLU_dreno	Min	-1.066E-14	-5.687E-13	-2245.5029
39	0.49272	SLU_dreno	Min	-1.066E-14	-5.682E-13	-1893.7304
39	0.	SLV_dreno	Max	-6.629E-14	-5.630E-13	-2230.0024
39	0.24636	SLV_dreno	Max	-6.629E-14	-5.523E-13	-1924.4434
39	0.49272	SLV_dreno	Max	-6.629E-14	-5.414E-13	-1616.5564
39	0.	SLV_dreno	Min	-6.629E-14	-5.630E-13	-2230.0024
39	0.24636	SLV_dreno	Min	-6.629E-14	-5.523E-13	-1924.4434
39	0.49272	SLV_dreno	Min	-6.629E-14	-5.414E-13	-1616.5564
39	0.	SLE_calotta	Max	1.945E-15	-3.663E-13	-2241.5609
39	0.24636	SLE_calotta	Max	1.945E-15	-3.416E-13	-1957.165
39	0.49272	SLE_calotta	Max	1.945E-15	-3.167E-13	-1670.6998
39	0.	SLE_calotta	Min	1.945E-15	-3.663E-13	-2241.5609
39	0.24636	SLE_calotta	Min	1.945E-15	-3.416E-13	-1957.165
39	0.49272	SLE_calotta	Min	1.945E-15	-3.167E-13	-1670.6998
39	0.	SLU_calotta	Max	2.228E-15	-4.810E-13	-2914.029
39	0.24636	SLU_calotta	Max	2.228E-15	-4.528E-13	-2544.3144
39	0.49272	SLU_calotta	Max	2.228E-15	-4.242E-13	-2171.9097
39	0.	SLU_calotta	Min	2.228E-15	-4.810E-13	-2914.029
39	0.24636	SLU_calotta	Min	2.228E-15	-4.528E-13	-2544.3144
39	0.49272	SLU_calotta	Min	2.228E-15	-4.242E-13	-2171.9097
39	0.	SLV_calotta	Max	-9.500E-14	-5.690E-13	-1474.734
39	0.24636	SLV_calotta	Max	-9.500E-14	-5.899E-13	-1277.2531
39	0.49272	SLV_calotta	Max	-9.500E-14	-6.105E-13	-1077.4441
39	0.	SLV_calotta	Min	-9.500E-14	-5.690E-13	-1474.734
39	0.24636	SLV_calotta	Min	-9.500E-14	-5.899E-13	-1277.2531
39	0.49272	SLV_calotta	Min	-9.500E-14	-6.105E-13	-1077.4441
40	0.	SLE_dreno	Max	-1.332E-15	-3.841E-13	-1456.6119
40	0.24636	SLE_dreno	Max	-1.332E-15	-3.979E-13	-1206.4902
40	0.49272	SLE_dreno	Max	-1.332E-15	-4.115E-13	-954.1615
40	0.	SLE_dreno	Min	-1.332E-15	-3.841E-13	-1456.6119
40	0.24636	SLE_dreno	Min	-1.332E-15	-3.979E-13	-1206.4902
40	0.49272	SLE_dreno	Min	-1.332E-15	-4.115E-13	-954.1615
40	0.	SLU_dreno	Max	-1.066E-14	-4.552E-13	-1893.7304
40	0.24636	SLU_dreno	Max	-1.066E-14	-5.111E-13	-1568.5433
40	0.49272	SLU_dreno	Max	-1.066E-14	-5.665E-13	-1240.4871
40	0.	SLU_dreno	Min	-1.066E-14	-4.552E-13	-1893.7304
40	0.24636	SLU_dreno	Min	-1.066E-14	-5.111E-13	-1568.5433
40	0.49272	SLU_dreno	Min	-1.066E-14	-5.665E-13	-1240.4871
40	0.	SLV_dreno	Max	-6.617E-14	-5.417E-13	-1616.5564
40	0.24636	SLV_dreno	Max	-6.617E-14	-5.485E-13	-1332.8261
40	0.49272	SLV_dreno	Max	-6.617E-14	-5.550E-13	-1046.6128
40	0.	SLV_dreno	Min	-6.617E-14	-5.417E-13	-1616.5564
40	0.24636	SLV_dreno	Min	-6.617E-14	-5.485E-13	-1332.8261
40	0.49272	SLV_dreno	Min	-6.617E-14	-5.550E-13	-1046.6128
40	0.	SLE_calotta	Max	2.555E-15	-3.201E-13	-1670.6998
40	0.24636	SLE_calotta	Max	2.555E-15	-3.024E-13	-1405.6092
40	0.49272	SLE_calotta	Max	2.555E-15	-2.845E-13	-1138.3115
40	0.	SLE_calotta	Min	2.555E-15	-3.201E-13	-1670.6998
40	0.24636	SLE_calotta	Min	2.555E-15	-3.024E-13	-1405.6092
40	0.49272	SLE_calotta	Min	2.555E-15	-2.845E-13	-1138.3115
40	0.	SLU_calotta	Max	3.337E-15	-4.169E-13	-2171.9097
40	0.24636	SLU_calotta	Max	3.337E-15	-3.956E-13	-1827.2918
40	0.49272	SLU_calotta	Max	3.337E-15	-3.740E-13	-1479.8048
40	0.	SLU_calotta	Min	3.337E-15	-4.169E-13	-2171.9097
40	0.24636	SLU_calotta	Min	3.337E-15	-3.956E-13	-1827.2918
40	0.49272	SLU_calotta	Min	3.337E-15	-3.740E-13	-1479.8048

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
40	0.	SLV_calotta	Max	-9.496E-14	-6.117E-13	-1077.4441
40	0.24636	SLV_calotta	Max	-9.496E-14	-6.536E-13	-897.1751
40	0.49272	SLV_calotta	Max	-9.496E-14	-6.952E-13	-714.4232
40	0.	SLV_calotta	Min	-9.496E-14	-6.117E-13	-1077.4441
40	0.24636	SLV_calotta	Min	-9.496E-14	-6.536E-13	-897.1751
40	0.49272	SLV_calotta	Min	-9.496E-14	-6.952E-13	-714.4232
41	0.	SLE_dreno	Max	-4.775E-15	-4.054E-13	-954.1615
41	0.24636	SLE_dreno	Max	-4.775E-15	-4.088E-13	-722.365
41	0.49272	SLE_dreno	Max	-4.775E-15	-4.120E-13	-488.7348
41	0.	SLE_dreno	Min	-4.775E-15	-4.054E-13	-954.1615
41	0.24636	SLE_dreno	Min	-4.775E-15	-4.088E-13	-722.365
41	0.49272	SLE_dreno	Min	-4.775E-15	-4.120E-13	-488.7348
41	0.	SLU_dreno	Max	-1.777E-14	-5.121E-13	-1240.4871
41	0.24636	SLU_dreno	Max	-1.777E-14	-5.119E-13	-939.1245
41	0.49272	SLU_dreno	Max	-1.777E-14	-5.115E-13	-635.378
41	0.	SLU_dreno	Min	-1.777E-14	-5.121E-13	-1240.4871
41	0.24636	SLU_dreno	Min	-1.777E-14	-5.119E-13	-939.1245
41	0.49272	SLU_dreno	Min	-1.777E-14	-5.115E-13	-635.378
41	0.	SLV_dreno	Max	-6.976E-14	-5.559E-13	-1046.6128
41	0.24636	SLV_dreno	Max	-6.976E-14	-5.628E-13	-784.5779
41	0.49272	SLV_dreno	Max	-6.976E-14	-5.694E-13	-520.4801
41	0.	SLV_dreno	Min	-6.976E-14	-5.559E-13	-1046.6128
41	0.24636	SLV_dreno	Min	-6.976E-14	-5.628E-13	-784.5779
41	0.49272	SLV_dreno	Min	-6.976E-14	-5.694E-13	-520.4801
41	0.	SLE_calotta	Max	1.389E-15	-2.845E-13	-1138.3115
41	0.24636	SLE_calotta	Max	1.389E-15	-2.756E-13	-892.4677
41	0.49272	SLE_calotta	Max	1.389E-15	-2.665E-13	-644.7902
41	0.	SLE_calotta	Min	1.389E-15	-2.845E-13	-1138.3115
41	0.24636	SLE_calotta	Min	1.389E-15	-2.756E-13	-892.4677
41	0.49272	SLE_calotta	Min	1.389E-15	-2.665E-13	-644.7902
41	0.	SLU_calotta	Max	1.336E-15	-3.706E-13	-1479.8048
41	0.24636	SLU_calotta	Max	1.336E-15	-3.459E-13	-1160.2079
41	0.49272	SLU_calotta	Max	1.336E-15	-3.209E-13	-838.2272
41	0.	SLU_calotta	Min	1.336E-15	-3.706E-13	-1479.8048
41	0.24636	SLU_calotta	Min	1.336E-15	-3.459E-13	-1160.2079
41	0.49272	SLU_calotta	Min	1.336E-15	-3.209E-13	-838.2272
41	0.	SLV_calotta	Max	-1.010E-13	-6.828E-13	-714.4232
41	0.24636	SLV_calotta	Max	-1.010E-13	-7.317E-13	-551.0225
41	0.49272	SLV_calotta	Max	-1.010E-13	-7.804E-13	-385.5587
41	0.	SLV_calotta	Min	-1.010E-13	-6.828E-13	-714.4232
41	0.24636	SLV_calotta	Min	-1.010E-13	-7.317E-13	-551.0225
41	0.49272	SLV_calotta	Min	-1.010E-13	-7.804E-13	-385.5587
42	0.	SLE_dreno	Max	-6.780E-15	-4.054E-13	-488.7348
42	0.24636	SLE_dreno	Max	-6.780E-15	-4.122E-13	-275.0278
42	0.49272	SLE_dreno	Max	-6.780E-15	-4.186E-13	-58.01
42	0.	SLE_dreno	Min	-6.780E-15	-4.054E-13	-488.7348
42	0.24636	SLE_dreno	Min	-6.780E-15	-4.122E-13	-275.0278
42	0.49272	SLE_dreno	Min	-6.780E-15	-4.186E-13	-58.01
42	0.	SLU_dreno	Max	-1.600E-14	-5.121E-13	-635.378
42	0.24636	SLU_dreno	Max	-1.600E-14	-5.118E-13	-357.5335
42	0.49272	SLU_dreno	Max	-1.600E-14	-5.111E-13	-75.385
42	0.	SLU_dreno	Min	-1.600E-14	-5.121E-13	-635.378
42	0.24636	SLU_dreno	Min	-1.600E-14	-5.118E-13	-357.5335
42	0.49272	SLU_dreno	Min	-1.600E-14	-5.111E-13	-75.385
42	0.	SLV_dreno	Max	-7.633E-14	-5.701E-13	-520.4801
42	0.24636	SLV_dreno	Max	-7.633E-14	-5.629E-13	-279.8038
42	0.49272	SLV_dreno	Max	-7.633E-14	-5.552E-13	-35.4029
42	0.	SLV_dreno	Min	-7.633E-14	-5.701E-13	-520.4801
42	0.24636	SLV_dreno	Min	-7.633E-14	-5.629E-13	-279.8038

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
42	0.49272	SLV_dreno	Min	-7.633E-14	-5.552E-13	-35.4029
42	0.	SLE_calotta	Max	-1.167E-15	-2.525E-13	-644.7902
42	0.24636	SLE_calotta	Max	-1.167E-15	-2.383E-13	-417.9514
42	0.49272	SLE_calotta	Max	-1.167E-15	-2.236E-13	-187.8019
42	0.	SLE_calotta	Min	-1.167E-15	-2.525E-13	-644.7902
42	0.24636	SLE_calotta	Min	-1.167E-15	-2.383E-13	-417.9514
42	0.49272	SLE_calotta	Min	-1.167E-15	-2.236E-13	-187.8019
42	0.	SLU_calotta	Max	-2.004E-15	-3.278E-13	-838.2272
42	0.24636	SLU_calotta	Max	-2.004E-15	-3.065E-13	-543.3367
42	0.49272	SLU_calotta	Max	-2.004E-15	-2.847E-13	-244.1423
42	0.	SLU_calotta	Min	-2.004E-15	-3.278E-13	-838.2272
42	0.24636	SLU_calotta	Min	-2.004E-15	-3.065E-13	-543.3367
42	0.49272	SLU_calotta	Min	-2.004E-15	-2.847E-13	-244.1423
42	0.	SLV_calotta	Max	-1.091E-13	-7.682E-13	-385.5587
42	0.24636	SLV_calotta	Max	-1.091E-13	-8.030E-13	-238.4994
42	0.49272	SLV_calotta	Max	-1.091E-13	-8.373E-13	-87.7154
42	0.	SLV_calotta	Min	-1.091E-13	-7.682E-13	-385.5587
42	0.24636	SLV_calotta	Min	-1.091E-13	-8.030E-13	-238.4994
42	0.49272	SLV_calotta	Min	-1.091E-13	-8.373E-13	-87.7154
43	0.	SLE_dreno	Max	-1.134E-14	-4.054E-13	-58.01
43	0.24636	SLE_dreno	Max	-1.134E-14	-4.122E-13	139.9598
43	0.49272	SLE_dreno	Max	-1.134E-14	-4.186E-13	341.3641
43	0.	SLE_dreno	Min	-1.134E-14	-4.054E-13	-58.01
43	0.24636	SLE_dreno	Min	-1.134E-14	-4.122E-13	139.9598
43	0.49272	SLE_dreno	Min	-1.134E-14	-4.186E-13	341.3641
43	0.	SLU_dreno	Max	-2.488E-14	-6.258E-13	-75.385
43	0.24636	SLU_dreno	Max	-2.488E-14	-5.695E-13	181.9992
43	0.49272	SLU_dreno	Max	-2.488E-14	-5.127E-13	443.8485
43	0.	SLU_dreno	Min	-2.488E-14	-6.258E-13	-75.385
43	0.24636	SLU_dreno	Min	-2.488E-14	-5.695E-13	181.9992
43	0.49272	SLU_dreno	Min	-2.488E-14	-5.127E-13	443.8485
43	0.	SLV_dreno	Max	-8.114E-14	-5.558E-13	-35.4029
43	0.24636	SLV_dreno	Max	-8.114E-14	-5.697E-13	186.6324
43	0.49272	SLV_dreno	Max	-8.114E-14	-5.830E-13	412.5315
43	0.	SLV_dreno	Min	-8.114E-14	-5.558E-13	-35.4029
43	0.24636	SLV_dreno	Min	-8.114E-14	-5.697E-13	186.6324
43	0.49272	SLV_dreno	Min	-8.114E-14	-5.830E-13	412.5315
43	0.	SLE_calotta	Max	-2.778E-15	-2.169E-13	-187.8019
43	0.24636	SLE_calotta	Max	-2.778E-15	-2.062E-13	22.3926
43	0.49272	SLE_calotta	Max	-2.778E-15	-1.951E-13	236.0217
43	0.	SLE_calotta	Min	-2.778E-15	-2.169E-13	-187.8019
43	0.24636	SLE_calotta	Min	-2.778E-15	-2.062E-13	22.3926
43	0.49272	SLE_calotta	Min	-2.778E-15	-1.951E-13	236.0217
43	0.	SLU_calotta	Max	-3.674E-15	-2.886E-13	-244.1423
43	0.24636	SLU_calotta	Max	-3.674E-15	-2.743E-13	29.1105
43	0.49272	SLU_calotta	Max	-3.674E-15	-2.594E-13	306.8283
43	0.	SLU_calotta	Min	-3.674E-15	-2.886E-13	-244.1423
43	0.24636	SLU_calotta	Min	-3.674E-15	-2.743E-13	29.1105
43	0.49272	SLU_calotta	Min	-3.674E-15	-2.594E-13	306.8283
43	0.	SLV_calotta	Max	-1.167E-13	-8.393E-13	-87.7154
43	0.24636	SLV_calotta	Max	-1.167E-13	-8.671E-13	45.893
43	0.49272	SLV_calotta	Max	-1.167E-13	-8.944E-13	183.3653
43	0.	SLV_calotta	Min	-1.167E-13	-8.393E-13	-87.7154
43	0.24636	SLV_calotta	Min	-1.167E-13	-8.671E-13	45.893
43	0.49272	SLV_calotta	Min	-1.167E-13	-8.944E-13	183.3653
44	0.	SLE_dreno	Max	-1.422E-14	-4.196E-13	341.3641
44	0.24636	SLE_dreno	Max	-1.422E-14	-4.404E-13	523.9334
44	0.49272	SLE_dreno	Max	-1.422E-14	-4.608E-13	710.0762
44	0.	SLE_dreno	Min	-1.422E-14	-4.196E-13	341.3641

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
44	0.24636	SLE_dreno	Min	-1.422E-14	-4.404E-13	523.9334
44	0.49272	SLE_dreno	Min	-1.422E-14	-4.608E-13	710.0762
44	0.	SLU_dreno	Max	-3.022E-14	-5.689E-13	443.8485
44	0.24636	SLU_dreno	Max	-3.022E-14	-6.247E-13	681.2105
44	0.49272	SLU_dreno	Max	-3.022E-14	-6.799E-13	923.218
44	0.	SLU_dreno	Min	-3.022E-14	-5.689E-13	443.8485
44	0.24636	SLU_dreno	Min	-3.022E-14	-6.247E-13	681.2105
44	0.49272	SLU_dreno	Min	-3.022E-14	-6.799E-13	923.218
44	0.	SLV_dreno	Max	-8.493E-14	-5.914E-13	412.5315
44	0.24636	SLV_dreno	Max	-8.493E-14	-6.122E-13	616.3755
44	0.49272	SLV_dreno	Max	-8.493E-14	-6.325E-13	824.2397
44	0.	SLV_dreno	Min	-8.493E-14	-5.914E-13	412.5315
44	0.24636	SLV_dreno	Min	-8.493E-14	-6.122E-13	616.3755
44	0.49272	SLV_dreno	Min	-8.493E-14	-6.325E-13	824.2397
44	0.	SLE_calotta	Max	-4.112E-15	-1.991E-13	236.0217
44	0.24636	SLE_calotta	Max	-4.112E-15	-1.954E-13	429.918
44	0.49272	SLE_calotta	Max	-4.112E-15	-1.912E-13	627.3878
44	0.	SLE_calotta	Min	-4.112E-15	-1.991E-13	236.0217
44	0.24636	SLE_calotta	Min	-4.112E-15	-1.954E-13	429.918
44	0.49272	SLE_calotta	Min	-4.112E-15	-1.912E-13	627.3878
44	0.	SLU_calotta	Max	-4.790E-15	-2.566E-13	306.8283
44	0.24636	SLU_calotta	Max	-4.790E-15	-2.527E-13	558.8935
44	0.49272	SLU_calotta	Max	-4.790E-15	-2.484E-13	815.6042
44	0.	SLU_calotta	Min	-4.790E-15	-2.566E-13	306.8283
44	0.24636	SLU_calotta	Min	-4.790E-15	-2.527E-13	558.8935
44	0.49272	SLU_calotta	Min	-4.790E-15	-2.484E-13	815.6042
44	0.	SLV_calotta	Max	-1.251E-13	-8.962E-13	183.3653
44	0.24636	SLV_calotta	Max	-1.251E-13	-9.520E-13	304.1317
44	0.49272	SLV_calotta	Max	-1.251E-13	-1.007E-12	428.9183
44	0.	SLV_calotta	Min	-1.251E-13	-8.962E-13	183.3653
44	0.24636	SLV_calotta	Min	-1.251E-13	-9.520E-13	304.1317
44	0.49272	SLV_calotta	Min	-1.251E-13	-1.007E-12	428.9183
45	0.	SLE_dreno	Max	-2.045E-14	-4.410E-13	710.0762
45	0.24636	SLE_dreno	Max	-2.045E-14	-4.407E-13	877.5912
45	0.49272	SLE_dreno	Max	-2.045E-14	-4.401E-13	1048.7885
45	0.	SLE_dreno	Min	-2.045E-14	-4.410E-13	710.0762
45	0.24636	SLE_dreno	Min	-2.045E-14	-4.407E-13	877.5912
45	0.49272	SLE_dreno	Min	-2.045E-14	-4.401E-13	1048.7885
45	0.	SLU_dreno	Max	-3.200E-14	-4.553E-13	923.218
45	0.24636	SLU_dreno	Max	-3.200E-14	-6.791E-13	1141.0077
45	0.49272	SLU_dreno	Max	-3.200E-14	-9.023E-13	1363.5843
45	0.	SLU_dreno	Min	-3.200E-14	-4.553E-13	923.218
45	0.24636	SLU_dreno	Min	-3.200E-14	-6.791E-13	1141.0077
45	0.49272	SLU_dreno	Min	-3.200E-14	-9.023E-13	1363.5843
45	0.	SLV_dreno	Max	-9.136E-14	-6.128E-13	824.2397
45	0.24636	SLV_dreno	Max	-9.136E-14	-6.126E-13	1010.3527
45	0.49272	SLV_dreno	Max	-9.136E-14	-6.120E-13	1200.6081
45	0.	SLV_dreno	Min	-9.136E-14	-6.128E-13	824.2397
45	0.24636	SLV_dreno	Min	-9.136E-14	-6.126E-13	1010.3527
45	0.49272	SLV_dreno	Min	-9.136E-14	-6.120E-13	1200.6081
45	0.	SLE_calotta	Max	-7.667E-15	-1.707E-13	627.3878
45	0.24636	SLE_calotta	Max	-7.667E-15	-1.600E-13	805.3421
45	0.49272	SLE_calotta	Max	-7.667E-15	-1.488E-13	986.9786
45	0.	SLE_calotta	Min	-7.667E-15	-1.707E-13	627.3878
45	0.24636	SLE_calotta	Min	-7.667E-15	-1.600E-13	805.3421
45	0.49272	SLE_calotta	Min	-7.667E-15	-1.488E-13	986.9786
45	0.	SLU_calotta	Max	-9.351E-15	-2.352E-13	815.6042
45	0.24636	SLU_calotta	Max	-9.351E-15	-2.208E-13	1046.9448
45	0.49272	SLU_calotta	Max	-9.351E-15	-2.059E-13	1283.0723

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
45	0.	SLU_calotta	Min	-9.351E-15	-2.352E-13	815.6042
45	0.24636	SLU_calotta	Min	-9.351E-15	-2.208E-13	1046.9448
45	0.49272	SLU_calotta	Min	-9.351E-15	-2.059E-13	1283.0723
45	0.	SLV_calotta	Max	-1.337E-13	-1.010E-12	428.9183
45	0.24636	SLV_calotta	Max	-1.337E-13	-1.052E-12	537.4496
45	0.49272	SLV_calotta	Max	-1.337E-13	-1.093E-12	650.1235
45	0.	SLV_calotta	Min	-1.337E-13	-1.010E-12	428.9183
45	0.24636	SLV_calotta	Min	-1.337E-13	-1.052E-12	537.4496
45	0.49272	SLV_calotta	Min	-1.337E-13	-1.093E-12	650.1235
46	0.	SLE_dreno	Max	-2.534E-14	-4.552E-13	1048.7885
46	0.24636	SLE_dreno	Max	-2.534E-14	-4.900E-13	1201.5487
46	0.49272	SLE_dreno	Max	-2.534E-14	-5.244E-13	1358.0998
46	0.	SLE_dreno	Min	-2.534E-14	-4.552E-13	1048.7885
46	0.24636	SLE_dreno	Min	-2.534E-14	-4.900E-13	1201.5487
46	0.49272	SLE_dreno	Min	-2.534E-14	-5.244E-13	1358.0998
46	0.	SLU_dreno	Max	-4.622E-14	-5.690E-13	1363.5843
46	0.24636	SLU_dreno	Max	-4.622E-14	-5.687E-13	1562.1911
46	0.49272	SLU_dreno	Max	-4.622E-14	-5.679E-13	1765.726
46	0.	SLU_dreno	Min	-4.622E-14	-5.690E-13	1363.5843
46	0.24636	SLU_dreno	Min	-4.622E-14	-5.687E-13	1562.1911
46	0.49272	SLU_dreno	Min	-4.622E-14	-5.679E-13	1765.726
46	0.	SLV_dreno	Max	-9.993E-14	-6.128E-13	1200.6081
46	0.24636	SLV_dreno	Max	-9.993E-14	-6.477E-13	1369.3973
46	0.49272	SLV_dreno	Max	-9.993E-14	-6.821E-13	1542.4513
46	0.	SLV_dreno	Min	-9.993E-14	-6.128E-13	1200.6081
46	0.24636	SLV_dreno	Min	-9.993E-14	-6.477E-13	1369.3973
46	0.49272	SLV_dreno	Min	-9.993E-14	-6.821E-13	1542.4513
46	0.	SLE_calotta	Max	-9.556E-15	-1.636E-13	986.9786
46	0.24636	SLE_calotta	Max	-9.556E-15	-1.634E-13	1149.3004
46	0.49272	SLE_calotta	Max	-9.556E-15	-1.627E-13	1315.4132
46	0.	SLE_calotta	Min	-9.556E-15	-1.636E-13	986.9786
46	0.24636	SLE_calotta	Min	-9.556E-15	-1.634E-13	1149.3004
46	0.49272	SLE_calotta	Min	-9.556E-15	-1.627E-13	1315.4132
46	0.	SLU_calotta	Max	-1.258E-14	-2.067E-13	1283.0723
46	0.24636	SLU_calotta	Max	-1.258E-14	-2.063E-13	1494.0907
46	0.49272	SLU_calotta	Max	-1.258E-14	-2.054E-13	1710.0372
46	0.	SLU_calotta	Min	-1.258E-14	-2.067E-13	1283.0723
46	0.24636	SLU_calotta	Min	-1.258E-14	-2.063E-13	1494.0907
46	0.49272	SLU_calotta	Min	-1.258E-14	-2.054E-13	1710.0372
46	0.	SLV_calotta	Max	-1.455E-13	-1.067E-12	650.1235
46	0.24636	SLV_calotta	Max	-1.455E-13	-1.165E-12	746.963
46	0.49272	SLV_calotta	Max	-1.455E-13	-1.262E-12	848.0674
46	0.	SLV_calotta	Min	-1.455E-13	-1.067E-12	650.1235
46	0.24636	SLV_calotta	Min	-1.455E-13	-1.165E-12	746.963
46	0.49272	SLV_calotta	Min	-1.455E-13	-1.262E-12	848.0674
47	0.	SLE_dreno	Max	-3.111E-14	-5.121E-13	1358.0998
47	0.24636	SLE_dreno	Max	-3.111E-14	-5.539E-13	1496.401
47	0.49272	SLE_dreno	Max	-3.111E-14	-5.953E-13	1638.6017
47	0.	SLE_dreno	Min	-3.111E-14	-5.121E-13	1358.0998
47	0.24636	SLE_dreno	Min	-3.111E-14	-5.539E-13	1496.401
47	0.49272	SLE_dreno	Min	-3.111E-14	-5.953E-13	1638.6017
47	0.	SLU_dreno	Max	-4.622E-14	-7.964E-13	1765.726
47	0.24636	SLU_dreno	Max	-4.622E-14	-9.082E-13	1945.5344
47	0.49272	SLU_dreno	Max	-4.622E-14	-1.019E-12	2130.4121
47	0.	SLU_dreno	Min	-4.622E-14	-7.964E-13	1765.726
47	0.24636	SLU_dreno	Min	-4.622E-14	-9.082E-13	1945.5344
47	0.49272	SLU_dreno	Min	-4.622E-14	-1.019E-12	2130.4121
47	0.	SLV_dreno	Max	-1.069E-13	-6.984E-13	1542.4513
47	0.24636	SLV_dreno	Max	-1.069E-13	-7.262E-13	1694.3201



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
47	0.49272	SLV_dreno	Max	-1.069E-13	-7.535E-13	1850.5759
47	0.	SLV_dreno	Min	-1.069E-13	-6.984E-13	1542.4513
47	0.24636	SLV_dreno	Min	-1.069E-13	-7.262E-13	1694.3201
47	0.49272	SLV_dreno	Min	-1.069E-13	-7.535E-13	1850.5759
47	0.	SLE_calotta	Max	-1.234E-14	-1.636E-13	1315.4132
47	0.24636	SLE_calotta	Max	-1.234E-14	-1.703E-13	1462.4081
47	0.49272	SLE_calotta	Max	-1.234E-14	-1.766E-13	1613.3025
47	0.	SLE_calotta	Min	-1.234E-14	-1.636E-13	1315.4132
47	0.24636	SLE_calotta	Min	-1.234E-14	-1.703E-13	1462.4081
47	0.49272	SLE_calotta	Min	-1.234E-14	-1.766E-13	1613.3025
47	0.	SLU_calotta	Max	-1.559E-14	-2.138E-13	1710.0372
47	0.24636	SLU_calotta	Max	-1.559E-14	-2.135E-13	1901.1306
47	0.49272	SLU_calotta	Max	-1.559E-14	-2.126E-13	2097.2933
47	0.	SLU_calotta	Min	-1.559E-14	-2.138E-13	1710.0372
47	0.24636	SLU_calotta	Min	-1.559E-14	-2.135E-13	1901.1306
47	0.49272	SLU_calotta	Min	-1.559E-14	-2.126E-13	2097.2933
47	0.	SLV_calotta	Max	-1.560E-13	-1.223E-12	848.0674
47	0.24636	SLV_calotta	Max	-1.560E-13	-1.293E-12	933.744
47	0.49272	SLV_calotta	Max	-1.560E-13	-1.362E-12	1023.8076
47	0.	SLV_calotta	Min	-1.560E-13	-1.223E-12	848.0674
47	0.24636	SLV_calotta	Min	-1.560E-13	-1.293E-12	933.744
47	0.49272	SLV_calotta	Min	-1.560E-13	-1.362E-12	1023.8076
48	0.	SLE_dreno	Max	-3.712E-14	-6.117E-13	1638.6017
48	0.24636	SLE_dreno	Max	-3.712E-14	-6.395E-13	1762.7196
48	0.49272	SLE_dreno	Max	-3.712E-14	-6.667E-13	1890.8153
48	0.	SLE_dreno	Min	-3.712E-14	-6.117E-13	1638.6017
48	0.24636	SLE_dreno	Min	-3.712E-14	-6.395E-13	1762.7196
48	0.49272	SLE_dreno	Min	-3.712E-14	-6.667E-13	1890.8153
48	0.	SLU_dreno	Max	-6.044E-14	-6.829E-13	2130.4121
48	0.24636	SLU_dreno	Max	-6.044E-14	-7.946E-13	2291.7806
48	0.49272	SLU_dreno	Max	-6.044E-14	-9.057E-13	2458.3201
48	0.	SLU_dreno	Min	-6.044E-14	-6.829E-13	2130.4121
48	0.24636	SLU_dreno	Min	-6.044E-14	-7.946E-13	2291.7806
48	0.49272	SLU_dreno	Min	-6.044E-14	-9.057E-13	2458.3201
48	0.	SLV_dreno	Max	-1.144E-13	-7.555E-13	1850.5759
48	0.24636	SLV_dreno	Max	-1.144E-13	-7.832E-13	1985.905
48	0.49272	SLV_dreno	Max	-1.144E-13	-8.104E-13	2125.709
48	0.	SLV_dreno	Min	-1.144E-13	-7.555E-13	1850.5759
48	0.24636	SLV_dreno	Min	-1.144E-13	-7.832E-13	1985.905
48	0.49272	SLV_dreno	Min	-1.144E-13	-8.104E-13	2125.709
48	0.	SLE_calotta	Max	-1.489E-14	-1.849E-13	1613.3025
48	0.24636	SLE_calotta	Max	-1.489E-14	-1.882E-13	1745.2557
48	0.49272	SLE_calotta	Max	-1.489E-14	-1.909E-13	1881.1866
48	0.	SLE_calotta	Min	-1.489E-14	-1.849E-13	1613.3025
48	0.24636	SLE_calotta	Min	-1.489E-14	-1.882E-13	1745.2557
48	0.49272	SLE_calotta	Min	-1.489E-14	-1.909E-13	1881.1866
48	0.	SLU_calotta	Max	-2.115E-14	-2.280E-13	2097.2933
48	0.24636	SLU_calotta	Max	-2.115E-14	-2.277E-13	2268.8325
48	0.49272	SLU_calotta	Max	-2.115E-14	-2.268E-13	2445.5426
48	0.	SLU_calotta	Min	-2.115E-14	-2.280E-13	2097.2933
48	0.24636	SLU_calotta	Min	-2.115E-14	-2.277E-13	2268.8325
48	0.49272	SLU_calotta	Min	-2.115E-14	-2.268E-13	2445.5426
48	0.	SLV_calotta	Max	-1.674E-13	-1.422E-12	1023.8076
48	0.24636	SLV_calotta	Max	-1.674E-13	-1.492E-12	1098.8172
48	0.49272	SLV_calotta	Max	-1.674E-13	-1.562E-12	1178.3018
48	0.	SLV_calotta	Min	-1.674E-13	-1.422E-12	1023.8076
48	0.24636	SLV_calotta	Min	-1.674E-13	-1.492E-12	1098.8172
48	0.49272	SLV_calotta	Min	-1.674E-13	-1.562E-12	1178.3018
49	0.	SLE_dreno	Max	-4.578E-14	-6.401E-13	1890.8153

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
49	0.24636	SLE_dreno	Max	-4.578E-14	-6.679E-13	2000.9818
49	0.49272	SLE_dreno	Max	-4.578E-14	-6.952E-13	2115.2191
49	0.	SLE_dreno	Min	-4.578E-14	-6.401E-13	1890.8153
49	0.24636	SLE_dreno	Min	-4.578E-14	-6.679E-13	2000.9818
49	0.49272	SLE_dreno	Min	-4.578E-14	-6.952E-13	2115.2191
49	0.	SLU_dreno	Max	-7.111E-14	-1.024E-12	2458.3201
49	0.24636	SLU_dreno	Max	-7.111E-14	-9.116E-13	2601.55
49	0.49272	SLU_dreno	Max	-7.111E-14	-7.986E-13	2750.0722
49	0.	SLU_dreno	Min	-7.111E-14	-1.024E-12	2458.3201
49	0.24636	SLU_dreno	Min	-7.111E-14	-9.116E-13	2601.55
49	0.49272	SLU_dreno	Min	-7.111E-14	-7.986E-13	2750.0722
49	0.	SLV_dreno	Max	-1.246E-13	-8.266E-13	2125.709
49	0.24636	SLV_dreno	Max	-1.246E-13	-8.404E-13	2244.8298
49	0.49272	SLV_dreno	Max	-1.246E-13	-8.536E-13	2368.5304
49	0.	SLV_dreno	Min	-1.246E-13	-8.266E-13	2125.709
49	0.24636	SLV_dreno	Min	-1.246E-13	-8.404E-13	2244.8298
49	0.49272	SLV_dreno	Min	-1.246E-13	-8.536E-13	2368.5304
49	0.	SLE_calotta	Max	-1.878E-14	-1.778E-13	1881.1866
49	0.24636	SLE_calotta	Max	-1.878E-14	-1.705E-13	1998.3386
49	0.49272	SLE_calotta	Max	-1.878E-14	-1.628E-13	2119.5616
49	0.	SLE_calotta	Min	-1.878E-14	-1.778E-13	1881.1866
49	0.24636	SLE_calotta	Min	-1.878E-14	-1.705E-13	1998.3386
49	0.49272	SLE_calotta	Min	-1.878E-14	-1.628E-13	2119.5616
49	0.	SLU_calotta	Max	-2.494E-14	-2.280E-13	2445.5426
49	0.24636	SLU_calotta	Max	-2.494E-14	-2.417E-13	2597.8403
49	0.49272	SLU_calotta	Max	-2.494E-14	-2.547E-13	2755.4302
49	0.	SLU_calotta	Min	-2.494E-14	-2.280E-13	2445.5426
49	0.24636	SLU_calotta	Min	-2.494E-14	-2.417E-13	2597.8403
49	0.49272	SLU_calotta	Min	-2.494E-14	-2.547E-13	2755.4302
49	0.	SLV_calotta	Max	-1.825E-13	-1.479E-12	1178.3018
49	0.24636	SLV_calotta	Max	-1.825E-13	-1.535E-12	1243.0819
49	0.49272	SLV_calotta	Max	-1.825E-13	-1.590E-12	1312.4417
49	0.	SLV_calotta	Min	-1.825E-13	-1.479E-12	1178.3018
49	0.24636	SLV_calotta	Min	-1.825E-13	-1.535E-12	1243.0819
49	0.49272	SLV_calotta	Min	-1.825E-13	-1.590E-12	1312.4417
50	0.	SLE_dreno	Max	-5.245E-14	-6.828E-13	2115.2191
50	0.24636	SLE_dreno	Max	-5.245E-14	-7.386E-13	2211.667
50	0.49272	SLE_dreno	Max	-5.245E-14	-7.939E-13	2312.2486
50	0.	SLE_dreno	Min	-5.245E-14	-6.828E-13	2115.2191
50	0.24636	SLE_dreno	Min	-5.245E-14	-7.386E-13	2211.667
50	0.49272	SLE_dreno	Min	-5.245E-14	-7.939E-13	2312.2486
50	0.	SLU_dreno	Max	-7.112E-14	-1.138E-12	2750.0722
50	0.24636	SLU_dreno	Max	-7.112E-14	-1.025E-12	2875.4663
50	0.49272	SLU_dreno	Max	-7.112E-14	-9.125E-13	3006.2342
50	0.	SLU_dreno	Min	-7.112E-14	-1.138E-12	2750.0722
50	0.24636	SLU_dreno	Min	-7.112E-14	-1.025E-12	2875.4663
50	0.49272	SLU_dreno	Min	-7.112E-14	-9.125E-13	3006.2342
50	0.	SLV_dreno	Max	-1.315E-13	-8.552E-13	2368.5304
50	0.24636	SLV_dreno	Max	-1.315E-13	-8.970E-13	2471.7756
50	0.49272	SLV_dreno	Max	-1.315E-13	-9.383E-13	2579.6712
50	0.	SLV_dreno	Min	-1.315E-13	-8.552E-13	2368.5304
50	0.24636	SLV_dreno	Min	-1.315E-13	-8.970E-13	2471.7756
50	0.49272	SLV_dreno	Min	-1.315E-13	-9.383E-13	2579.6712
50	0.	SLE_calotta	Max	-2.200E-14	-1.636E-13	2119.5616
50	0.24636	SLE_calotta	Max	-2.200E-14	-1.844E-13	2222.1534
50	0.49272	SLE_calotta	Max	-2.200E-14	-2.046E-13	2328.8789
50	0.	SLE_calotta	Min	-2.200E-14	-1.636E-13	2119.5616
50	0.24636	SLE_calotta	Min	-2.200E-14	-1.844E-13	2222.1534
50	0.49272	SLE_calotta	Min	-2.200E-14	-2.046E-13	2328.8789

**Table 21: Element Forces - Frames, Part 2 of 2**

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
50	0.	SLU_calotta	Max	-2.806E-14	-2.351E-13	2755.4302
50	0.24636	SLU_calotta	Max	-2.806E-14	-2.559E-13	2888.7995
50	0.49272	SLU_calotta	Max	-2.806E-14	-2.760E-13	3027.5426
50	0.	SLU_calotta	Min	-2.806E-14	-2.351E-13	2755.4302
50	0.24636	SLU_calotta	Min	-2.806E-14	-2.559E-13	2888.7995
50	0.49272	SLU_calotta	Min	-2.806E-14	-2.760E-13	3027.5426
50	0.	SLV_calotta	Max	-1.931E-13	-1.622E-12	1312.4417
50	0.24636	SLV_calotta	Max	-1.931E-13	-1.733E-12	1367.421
50	0.49272	SLV_calotta	Max	-1.931E-13	-1.845E-12	1427.0506
50	0.	SLV_calotta	Min	-1.931E-13	-1.622E-12	1312.4417
50	0.24636	SLV_calotta	Min	-1.931E-13	-1.733E-12	1367.421
50	0.49272	SLV_calotta	Min	-1.931E-13	-1.845E-12	1427.0506
51	0.	SLE_dreno	Max	-5.956E-14	-7.823E-13	2312.2486
51	0.24636	SLE_dreno	Max	-5.956E-14	-8.241E-13	2395.1582
51	0.49272	SLE_dreno	Max	-5.956E-14	-8.654E-13	2482.264
51	0.	SLE_dreno	Min	-5.956E-14	-7.823E-13	2312.2486
51	0.24636	SLE_dreno	Min	-5.956E-14	-8.241E-13	2395.1582
51	0.49272	SLE_dreno	Min	-5.956E-14	-8.654E-13	2482.264
51	0.	SLU_dreno	Max	-8.889E-14	-9.104E-13	3006.2342
51	0.24636	SLU_dreno	Max	-8.889E-14	-1.134E-12	3114.027
51	0.49272	SLU_dreno	Max	-8.889E-14	-1.357E-12	3227.2749
51	0.	SLU_dreno	Min	-8.889E-14	-9.104E-13	3006.2342
51	0.24636	SLU_dreno	Min	-8.889E-14	-1.134E-12	3114.027
51	0.49272	SLU_dreno	Min	-8.889E-14	-1.357E-12	3227.2749
51	0.	SLV_dreno	Max	-1.406E-13	-9.548E-13	2579.6712
51	0.24636	SLV_dreno	Max	-1.406E-13	-1.011E-12	2667.3148
51	0.49272	SLV_dreno	Max	-1.406E-13	-1.066E-12	2759.679
51	0.	SLV_dreno	Min	-1.406E-13	-9.548E-13	2579.6712
51	0.24636	SLV_dreno	Min	-1.406E-13	-1.011E-12	2667.3148
51	0.49272	SLV_dreno	Min	-1.406E-13	-1.066E-12	2759.679
51	0.	SLE_calotta	Max	-2.534E-14	-1.920E-13	2328.8789
51	0.24636	SLE_calotta	Max	-2.534E-14	-2.058E-13	2417.0981
51	0.49272	SLE_calotta	Max	-2.534E-14	-2.190E-13	2509.5135
51	0.	SLE_calotta	Min	-2.534E-14	-1.920E-13	2328.8789
51	0.24636	SLE_calotta	Min	-2.534E-14	-2.058E-13	2417.0981
51	0.49272	SLE_calotta	Min	-2.534E-14	-2.190E-13	2509.5135
51	0.	SLU_calotta	Max	-3.341E-14	-2.637E-13	3027.5426
51	0.24636	SLU_calotta	Max	-3.341E-14	-2.774E-13	3142.2276
51	0.49272	SLU_calotta	Max	-3.341E-14	-2.904E-13	3262.3676
51	0.	SLU_calotta	Min	-3.341E-14	-2.637E-13	3027.5426
51	0.24636	SLU_calotta	Min	-3.341E-14	-2.774E-13	3142.2276
51	0.49272	SLU_calotta	Min	-3.341E-14	-2.904E-13	3262.3676
51	0.	SLV_calotta	Max	-2.089E-13	-1.821E-12	1427.0506
51	0.24636	SLV_calotta	Max	-2.089E-13	-1.905E-12	1472.5895
51	0.49272	SLV_calotta	Max	-2.089E-13	-1.988E-12	1522.8489
51	0.	SLV_calotta	Min	-2.089E-13	-1.821E-12	1427.0506
51	0.24636	SLV_calotta	Min	-2.089E-13	-1.905E-12	1472.5895
51	0.49272	SLV_calotta	Min	-2.089E-13	-1.988E-12	1522.8489
52	0.	SLE_dreno	Max	-6.890E-14	-8.392E-13	2482.264
52	0.24636	SLE_dreno	Max	-6.890E-14	-8.810E-13	2551.8007
52	0.49272	SLE_dreno	Max	-6.890E-14	-9.223E-13	2625.5807
52	0.	SLE_dreno	Min	-6.890E-14	-8.392E-13	2482.264
52	0.24636	SLE_dreno	Min	-6.890E-14	-8.810E-13	2551.8007
52	0.49272	SLE_dreno	Min	-6.890E-14	-9.223E-13	2625.5807
52	0.	SLU_dreno	Max	-9.956E-14	-9.106E-13	3227.2749
52	0.24636	SLU_dreno	Max	-9.956E-14	-1.022E-12	3317.6813
52	0.49272	SLU_dreno	Max	-9.956E-14	-1.133E-12	3413.6041
52	0.	SLU_dreno	Min	-9.956E-14	-9.106E-13	3227.2749
52	0.24636	SLU_dreno	Min	-9.956E-14	-1.022E-12	3317.6813

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
52	0.49272	SLU_dreno	Min	-9.956E-14	-1.133E-12	3413.6041
52	0.	SLV_dreno	Max	-1.527E-13	-1.026E-12	2759.679
52	0.24636	SLV_dreno	Max	-1.527E-13	-1.026E-12	2831.9783
52	0.49272	SLV_dreno	Max	-1.527E-13	-1.025E-12	2909.0513
52	0.	SLV_dreno	Min	-1.527E-13	-1.026E-12	2759.679
52	0.24636	SLV_dreno	Min	-1.527E-13	-1.026E-12	2831.9783
52	0.49272	SLV_dreno	Min	-1.527E-13	-1.025E-12	2909.0513
52	0.	SLE_calotta	Max	-2.978E-14	-2.205E-13	2509.5135
52	0.24636	SLE_calotta	Max	-2.978E-14	-2.202E-13	2583.5319
52	0.49272	SLE_calotta	Max	-2.978E-14	-2.194E-13	2661.7935
52	0.	SLE_calotta	Min	-2.978E-14	-2.205E-13	2509.5135
52	0.24636	SLE_calotta	Min	-2.978E-14	-2.202E-13	2583.5319
52	0.49272	SLE_calotta	Min	-2.978E-14	-2.194E-13	2661.7935
52	0.	SLU_calotta	Max	-3.897E-14	-2.779E-13	3262.3676
52	0.24636	SLU_calotta	Max	-3.897E-14	-2.776E-13	3358.5915
52	0.49272	SLU_calotta	Max	-3.897E-14	-2.766E-13	3460.3317
52	0.	SLU_calotta	Min	-3.897E-14	-2.779E-13	3262.3676
52	0.24636	SLU_calotta	Min	-3.897E-14	-2.776E-13	3358.5915
52	0.49272	SLU_calotta	Min	-3.897E-14	-2.766E-13	3460.3317
52	0.	SLV_calotta	Max	-2.263E-13	-1.906E-12	1522.8489
52	0.24636	SLV_calotta	Max	-2.263E-13	-1.990E-12	1559.2815
52	0.49272	SLV_calotta	Max	-2.263E-13	-2.073E-12	1600.4878
52	0.	SLV_calotta	Min	-2.263E-13	-1.906E-12	1522.8489
52	0.24636	SLV_calotta	Min	-2.263E-13	-1.990E-12	1559.2815
52	0.49272	SLV_calotta	Min	-2.263E-13	-2.073E-12	1600.4878
53	0.	SLE_dreno	Max	-7.912E-14	-8.535E-13	2625.5807
53	0.24636	SLE_dreno	Max	-7.912E-14	-8.392E-13	2681.8796
53	0.49272	SLE_dreno	Max	-7.912E-14	-8.245E-13	2742.4686
53	0.	SLE_dreno	Min	-7.912E-14	-8.535E-13	2625.5807
53	0.24636	SLE_dreno	Min	-7.912E-14	-8.392E-13	2681.8796
53	0.49272	SLE_dreno	Min	-7.912E-14	-8.245E-13	2742.4686
53	0.	SLU_dreno	Max	-1.138E-13	-1.138E-12	3413.6041
53	0.24636	SLU_dreno	Max	-1.138E-13	-1.138E-12	3486.7996
53	0.49272	SLU_dreno	Max	-1.138E-13	-1.137E-12	3565.5725
53	0.	SLU_dreno	Min	-1.138E-13	-1.138E-12	3413.6041
53	0.24636	SLU_dreno	Min	-1.138E-13	-1.138E-12	3486.7996
53	0.49272	SLU_dreno	Min	-1.138E-13	-1.137E-12	3565.5725
53	0.	SLV_dreno	Max	-1.650E-13	-1.026E-12	2909.0513
53	0.24636	SLV_dreno	Max	-1.650E-13	-1.026E-12	2966.2297
53	0.49272	SLV_dreno	Max	-1.650E-13	-1.025E-12	3028.2347
53	0.	SLV_dreno	Min	-1.650E-13	-1.026E-12	2909.0513
53	0.24636	SLV_dreno	Min	-1.650E-13	-1.026E-12	2966.2297
53	0.49272	SLV_dreno	Min	-1.650E-13	-1.025E-12	3028.2347
53	0.	SLE_calotta	Max	-3.489E-14	-2.276E-13	2661.7935
53	0.24636	SLE_calotta	Max	-3.489E-14	-2.203E-13	2721.7516
53	0.49272	SLE_calotta	Max	-3.489E-14	-2.125E-13	2785.9998
53	0.	SLE_calotta	Min	-3.489E-14	-2.276E-13	2661.7935
53	0.24636	SLE_calotta	Min	-3.489E-14	-2.203E-13	2721.7516
53	0.49272	SLE_calotta	Min	-3.489E-14	-2.125E-13	2785.9998
53	0.	SLU_calotta	Max	-4.565E-14	-2.851E-13	3460.3317
53	0.24636	SLU_calotta	Max	-4.565E-14	-2.777E-13	3538.2771
53	0.49272	SLU_calotta	Max	-4.565E-14	-2.696E-13	3621.7998
53	0.	SLU_calotta	Min	-4.565E-14	-2.851E-13	3460.3317
53	0.24636	SLU_calotta	Min	-4.565E-14	-2.777E-13	3538.2771
53	0.49272	SLU_calotta	Min	-4.565E-14	-2.696E-13	3621.7998
53	0.	SLV_calotta	Max	-2.445E-13	-1.991E-12	1600.4878
53	0.24636	SLV_calotta	Max	-2.445E-13	-1.963E-12	1628.1049
53	0.49272	SLV_calotta	Max	-2.445E-13	-1.934E-12	1660.5484
53	0.	SLV_calotta	Min	-2.445E-13	-1.991E-12	1600.4878

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
53	0.24636	SLV_calotta	Min	-2.445E-13	-1.963E-12	1628.1049
53	0.49272	SLV_calotta	Min	-2.445E-13	-1.934E-12	1660.5484
54	0.	SLE_dreno	Max	-9.068E-14	-8.535E-13	2742.4686
54	0.24636	SLE_dreno	Max	-9.068E-14	-8.532E-13	2785.649
54	0.49272	SLE_dreno	Max	-9.068E-14	-8.524E-13	2833.1512
54	0.	SLE_dreno	Min	-9.068E-14	-8.535E-13	2742.4686
54	0.24636	SLE_dreno	Min	-9.068E-14	-8.532E-13	2785.649
54	0.49272	SLE_dreno	Min	-9.068E-14	-8.524E-13	2833.1512
54	0.	SLU_dreno	Max	-1.422E-13	-1.138E-12	3565.5725
54	0.24636	SLU_dreno	Max	-1.422E-13	-1.138E-12	3621.7126
54	0.49272	SLU_dreno	Max	-1.422E-13	-1.137E-12	3683.4709
54	0.	SLU_dreno	Min	-1.422E-13	-1.138E-12	3565.5725
54	0.24636	SLU_dreno	Min	-1.422E-13	-1.138E-12	3621.7126
54	0.49272	SLU_dreno	Min	-1.422E-13	-1.137E-12	3683.4709
54	0.	SLV_dreno	Max	-1.773E-13	-1.026E-12	3028.2347
54	0.24636	SLV_dreno	Max	-1.773E-13	-1.012E-12	3070.4989
54	0.49272	SLV_dreno	Max	-1.773E-13	-9.970E-13	3117.625
54	0.	SLV_dreno	Min	-1.773E-13	-1.026E-12	3028.2347
54	0.24636	SLV_dreno	Min	-1.773E-13	-1.012E-12	3070.4989
54	0.49272	SLV_dreno	Min	-1.773E-13	-9.970E-13	3117.625
54	0.	SLE_calotta	Max	-3.978E-14	-1.920E-13	2785.9998
54	0.24636	SLE_calotta	Max	-3.978E-14	-1.917E-13	2832.0215
54	0.49272	SLE_calotta	Max	-3.978E-14	-1.910E-13	2882.3649
54	0.	SLE_calotta	Min	-3.978E-14	-1.920E-13	2785.9998
54	0.24636	SLE_calotta	Min	-3.978E-14	-1.917E-13	2832.0215
54	0.49272	SLE_calotta	Min	-3.978E-14	-1.910E-13	2882.3649
54	0.	SLU_calotta	Max	-5.167E-14	-2.779E-13	3621.7998
54	0.24636	SLU_calotta	Max	-5.167E-14	-2.565E-13	3681.628
54	0.49272	SLU_calotta	Max	-5.167E-14	-2.344E-13	3747.0744
54	0.	SLU_calotta	Min	-5.167E-14	-2.779E-13	3621.7998
54	0.24636	SLU_calotta	Min	-5.167E-14	-2.565E-13	3681.628
54	0.49272	SLU_calotta	Min	-5.167E-14	-2.344E-13	3747.0744
54	0.	SLV_calotta	Max	-2.649E-13	-1.935E-12	1660.5484
54	0.24636	SLV_calotta	Max	-2.649E-13	-1.906E-12	1679.6143
54	0.49272	SLV_calotta	Max	-2.649E-13	-1.877E-12	1703.542
54	0.	SLV_calotta	Min	-2.649E-13	-1.935E-12	1660.5484
54	0.24636	SLV_calotta	Min	-2.649E-13	-1.906E-12	1679.6143
54	0.49272	SLV_calotta	Min	-2.649E-13	-1.877E-12	1703.542
55	0.	SLE_dreno	Max	-1.040E-13	-7.966E-13	2833.1512
55	0.24636	SLE_dreno	Max	-1.040E-13	-7.823E-13	2863.3022
55	0.49272	SLE_dreno	Max	-1.040E-13	-7.675E-13	2897.8061
55	0.	SLE_dreno	Min	-1.040E-13	-7.966E-13	2833.1512
55	0.24636	SLE_dreno	Min	-1.040E-13	-7.823E-13	2863.3022
55	0.49272	SLE_dreno	Min	-1.040E-13	-7.675E-13	2897.8061
55	0.	SLU_dreno	Max	-1.493E-13	-1.138E-12	3683.4709
55	0.24636	SLU_dreno	Max	-1.493E-13	-9.135E-13	3722.6711
55	0.49272	SLU_dreno	Max	-1.493E-13	-6.884E-13	3767.5301
55	0.	SLU_dreno	Min	-1.493E-13	-1.138E-12	3683.4709
55	0.24636	SLU_dreno	Min	-1.493E-13	-9.135E-13	3722.6711
55	0.49272	SLU_dreno	Min	-1.493E-13	-6.884E-13	3767.5301
55	0.	SLV_dreno	Max	-1.900E-13	-9.691E-13	3117.625
55	0.24636	SLV_dreno	Max	-1.900E-13	-9.548E-13	3145.1475
55	0.49272	SLV_dreno	Max	-1.900E-13	-9.399E-13	3177.567
55	0.	SLV_dreno	Min	-1.900E-13	-9.691E-13	3117.625
55	0.24636	SLV_dreno	Min	-1.900E-13	-9.548E-13	3145.1475
55	0.49272	SLV_dreno	Min	-1.900E-13	-9.399E-13	3177.567
55	0.	SLE_calotta	Max	-4.512E-14	-1.635E-13	2882.3649
55	0.24636	SLE_calotta	Max	-4.512E-14	-1.633E-13	2914.5428
55	0.49272	SLE_calotta	Max	-4.512E-14	-1.625E-13	2951.0736

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
55	0.	SLE_calotta	Min	-4.512E-14	-1.635E-13	2882.3649
55	0.24636	SLE_calotta	Min	-4.512E-14	-1.633E-13	2914.5428
55	0.49272	SLE_calotta	Min	-4.512E-14	-1.625E-13	2951.0736
55	0.	SLU_calotta	Max	-5.879E-14	-2.280E-13	3747.0744
55	0.24636	SLU_calotta	Max	-5.879E-14	-2.277E-13	3788.9057
55	0.49272	SLU_calotta	Max	-5.879E-14	-2.266E-13	3836.3957
55	0.	SLV_calotta	Min	-5.879E-14	-2.280E-13	3747.0744
55	0.24636	SLV_calotta	Min	-5.879E-14	-2.277E-13	3788.9057
55	0.49272	SLV_calotta	Min	-5.879E-14	-2.266E-13	3836.3957
55	0.	SLV_calotta	Max	-2.858E-13	-1.821E-12	1703.542
55	0.24636	SLV_calotta	Max	-2.858E-13	-1.821E-12	1714.2772
55	0.49272	SLV_calotta	Max	-2.858E-13	-1.820E-12	1729.9093
55	0.	SLV_calotta	Min	-2.858E-13	-1.821E-12	1703.542
55	0.24636	SLV_calotta	Min	-2.858E-13	-1.821E-12	1714.2772
55	0.49272	SLV_calotta	Min	-2.858E-13	-1.820E-12	1729.9093
56	0.	SLE_dreno	Max	-1.133E-13	-7.966E-13	2897.8061
56	0.24636	SLE_dreno	Max	-1.133E-13	-8.384E-13	2915.001
56	0.49272	SLE_dreno	Max	-1.133E-13	-8.796E-13	2936.5646
56	0.	SLE_dreno	Min	-1.133E-13	-7.966E-13	2897.8061
56	0.24636	SLE_dreno	Min	-1.133E-13	-8.384E-13	2915.001
56	0.49272	SLE_dreno	Min	-1.133E-13	-8.796E-13	2936.5646
56	0.	SLU_dreno	Max	-1.636E-13	-9.105E-13	3767.5301
56	0.24636	SLU_dreno	Max	-1.636E-13	-6.861E-13	3789.8859
56	0.49272	SLU_dreno	Max	-1.636E-13	-4.610E-13	3817.921
56	0.	SLU_dreno	Min	-1.636E-13	-9.105E-13	3767.5301
56	0.24636	SLU_dreno	Min	-1.636E-13	-6.861E-13	3789.8859
56	0.49272	SLU_dreno	Min	-1.636E-13	-4.610E-13	3817.921
56	0.	SLV_dreno	Max	-2.009E-13	-9.122E-13	3177.567
56	0.24636	SLV_dreno	Max	-2.009E-13	-9.400E-13	3190.5034
56	0.49272	SLV_dreno	Max	-2.009E-13	-9.673E-13	3208.3545
56	0.	SLV_dreno	Min	-2.009E-13	-9.122E-13	3177.567
56	0.24636	SLV_dreno	Min	-2.009E-13	-9.400E-13	3190.5034
56	0.49272	SLV_dreno	Min	-2.009E-13	-9.673E-13	3208.3545
56	0.	SLE_calotta	Max	-5.045E-14	-1.565E-13	2951.0736
56	0.24636	SLE_calotta	Max	-5.045E-14	-1.702E-13	2969.4836
56	0.49272	SLE_calotta	Max	-5.045E-14	-1.834E-13	2992.2623
56	0.	SLE_calotta	Min	-5.045E-14	-1.565E-13	2951.0736
56	0.24636	SLE_calotta	Min	-5.045E-14	-1.702E-13	2969.4836
56	0.49272	SLE_calotta	Min	-5.045E-14	-1.834E-13	2992.2623
56	0.	SLU_calotta	Max	-6.481E-14	-2.280E-13	3836.3957
56	0.24636	SLU_calotta	Max	-6.481E-14	-2.277E-13	3860.3287
56	0.49272	SLU_calotta	Max	-6.481E-14	-2.267E-13	3889.941
56	0.	SLU_calotta	Min	-6.481E-14	-2.280E-13	3836.3957
56	0.24636	SLU_calotta	Min	-6.481E-14	-2.277E-13	3860.3287
56	0.49272	SLU_calotta	Min	-6.481E-14	-2.267E-13	3889.941
56	0.	SLV_calotta	Max	-3.027E-13	-1.878E-12	1729.9093
56	0.24636	SLV_calotta	Max	-3.027E-13	-1.934E-12	1732.5075
56	0.49272	SLV_calotta	Max	-3.027E-13	-1.989E-12	1740.0204
56	0.	SLV_calotta	Min	-3.027E-13	-1.878E-12	1729.9093
56	0.24636	SLV_calotta	Min	-3.027E-13	-1.934E-12	1732.5075
56	0.49272	SLV_calotta	Min	-3.027E-13	-1.989E-12	1740.0204
57	0.	SLE_dreno	Max	-1.227E-13	-8.677E-13	2936.5646
57	0.49272	SLE_dreno	Max	-1.227E-13	-8.667E-13	2949.4813
57	0.	SLE_dreno	Min	-1.227E-13	-8.677E-13	2936.5646
57	0.49272	SLE_dreno	Min	-1.227E-13	-8.667E-13	2949.4813
57	0.	SLU_dreno	Max	-1.707E-13	-1.138E-12	3817.921
57	0.49272	SLU_dreno	Max	-1.707E-13	-2.033E-12	3834.7144
57	0.	SLU_dreno	Min	-1.707E-13	-1.138E-12	3817.921
57	0.49272	SLU_dreno	Min	-1.707E-13	-2.033E-12	3834.7144

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
57	0.	SLV_dreno	Max	-2.122E-13	-1.055E-12	3208.3545
57	0.49272	SLV_dreno	Max	-2.122E-13	-9.974E-13	3210.1961
57	0.	SLV_dreno	Min	-2.122E-13	-1.055E-12	3208.3545
57	0.49272	SLV_dreno	Min	-2.122E-13	-9.974E-13	3210.1961
57	0.	SLE_calotta	Max	-5.423E-14	-1.991E-13	2992.2623
57	0.49272	SLE_calotta	Max	-5.423E-14	-1.841E-13	3005.9888
57	0.	SLE_calotta	Min	-5.423E-14	-1.991E-13	2992.2623
57	0.49272	SLE_calotta	Min	-5.423E-14	-1.841E-13	3005.9888
57	0.	SLU_calotta	Max	-7.082E-14	-2.708E-13	3889.941
57	0.49272	SLU_calotta	Max	-7.082E-14	-2.413E-13	3907.7854
57	0.	SLU_calotta	Min	-7.082E-14	-2.708E-13	3889.941
57	0.49272	SLU_calotta	Min	-7.082E-14	-2.413E-13	3907.7854
57	0.	SLV_calotta	Max	-3.205E-13	-1.991E-12	1740.0204
57	0.49272	SLV_calotta	Max	-3.205E-13	-1.934E-12	1734.1411
57	0.	SLV_calotta	Min	-3.205E-13	-1.991E-12	1740.0204
57	0.49272	SLV_calotta	Min	-3.205E-13	-1.934E-12	1734.1411
58	0.	SLE_dreno	Max	-1.338E-13	-8.535E-13	2949.4813
58	0.49272	SLE_dreno	Max	-1.338E-13	-7.683E-13	2936.5645
58	0.	SLE_dreno	Min	-1.338E-13	-8.535E-13	2949.4813
58	0.49272	SLE_dreno	Min	-1.338E-13	-7.683E-13	2936.5645
58	0.	SLU_dreno	Max	-1.849E-13	-1.138E-12	3834.7144
58	0.49272	SLU_dreno	Max	-1.849E-13	-2.402E-13	3817.921
58	0.	SLU_dreno	Min	-1.849E-13	-1.138E-12	3834.7144
58	0.49272	SLU_dreno	Min	-1.849E-13	-2.402E-13	3817.921
58	0.	SLV_dreno	Max	-2.240E-13	-9.978E-13	3210.1961
58	0.49272	SLV_dreno	Max	-2.240E-13	-8.842E-13	3183.2494
58	0.	SLV_dreno	Min	-2.240E-13	-9.978E-13	3210.1961
58	0.49272	SLV_dreno	Min	-2.240E-13	-8.842E-13	3183.2494
58	0.	SLE_calotta	Max	-5.934E-14	-1.920E-13	3005.9888
58	0.49272	SLE_calotta	Max	-5.934E-14	-1.489E-13	2992.2623
58	0.	SLE_calotta	Min	-5.934E-14	-1.920E-13	3005.9888
58	0.49272	SLE_calotta	Min	-5.934E-14	-1.489E-13	2992.2623
58	0.	SLU_calotta	Max	-7.683E-14	-2.423E-13	3907.7854
58	0.49272	SLU_calotta	Max	-7.683E-14	-2.127E-13	3889.941
58	0.	SLU_calotta	Min	-7.683E-14	-2.423E-13	3907.7854
58	0.49272	SLU_calotta	Min	-7.683E-14	-2.127E-13	3889.941
58	0.	SLV_calotta	Max	-3.396E-13	-2.020E-12	1734.1411
58	0.49272	SLV_calotta	Max	-3.396E-13	-1.794E-12	1712.4663
58	0.	SLV_calotta	Min	-3.396E-13	-2.020E-12	1734.1411
58	0.49272	SLV_calotta	Min	-3.396E-13	-1.794E-12	1712.4663
59	0.	SLE_dreno	Max	-1.422E-13	-7.397E-13	2936.5645
59	0.24636	SLE_dreno	Max	-1.422E-13	-6.413E-13	2915.0009
59	0.49272	SLE_dreno	Max	-1.422E-13	-5.424E-13	2897.8059
59	0.	SLE_dreno	Min	-1.422E-13	-7.397E-13	2936.5645
59	0.24636	SLE_dreno	Min	-1.422E-13	-6.413E-13	2915.0009
59	0.49272	SLE_dreno	Min	-1.422E-13	-5.424E-13	2897.8059
59	0.	SLU_dreno	Max	-1.991E-13	-1.593E-12	3817.921
59	0.24636	SLU_dreno	Max	-1.991E-13	-1.368E-12	3789.8859
59	0.49272	SLU_dreno	Max	-1.991E-13	-1.143E-12	3767.5301
59	0.	SLU_dreno	Min	-1.991E-13	-1.593E-12	3817.921
59	0.24636	SLU_dreno	Min	-1.991E-13	-1.368E-12	3789.8859
59	0.49272	SLU_dreno	Min	-1.991E-13	-1.143E-12	3767.5301
59	0.	SLV_dreno	Max	-2.334E-13	-9.121E-13	3183.2494
59	0.24636	SLV_dreno	Max	-2.334E-13	-8.275E-13	3152.9945
59	0.49272	SLV_dreno	Max	-2.334E-13	-7.422E-13	3127.6544
59	0.	SLV_dreno	Min	-2.334E-13	-9.121E-13	3183.2494
59	0.24636	SLV_dreno	Min	-2.334E-13	-8.275E-13	3152.9945
59	0.49272	SLV_dreno	Min	-2.334E-13	-7.422E-13	3127.6544
59	0.	SLE_calotta	Max	-6.290E-14	-1.493E-13	2992.2623

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
59	0.24636	SLE_calotta	Max	-6.290E-14	-1.070E-13	2969.4836
59	0.49272	SLE_calotta	Max	-6.290E-14	-6.418E-14	2951.0736
59	0.	SLE_calotta	Min	-6.290E-14	-1.493E-13	2992.2623
59	0.24636	SLE_calotta	Min	-6.290E-14	-1.070E-13	2969.4836
59	0.49272	SLE_calotta	Min	-6.290E-14	-6.418E-14	2951.0736
59	0.	SLU_calotta	Max	-8.218E-14	-1.711E-13	3889.941
59	0.24636	SLU_calotta	Max	-8.218E-14	-1.286E-13	3860.3287
59	0.49272	SLU_calotta	Max	-8.218E-14	-8.537E-14	3836.3957
59	0.	SLU_calotta	Min	-8.218E-14	-1.711E-13	3889.941
59	0.24636	SLU_calotta	Min	-8.218E-14	-1.286E-13	3860.3287
59	0.49272	SLU_calotta	Min	-8.218E-14	-8.537E-14	3836.3957
59	0.	SLV_calotta	Max	-3.543E-13	-1.735E-12	1712.4663
59	0.24636	SLV_calotta	Max	-3.543E-13	-1.567E-12	1691.3523
59	0.49272	SLV_calotta	Max	-3.543E-13	-1.398E-12	1675.153
59	0.	SLV_calotta	Min	-3.543E-13	-1.735E-12	1712.4663
59	0.24636	SLV_calotta	Min	-3.543E-13	-1.567E-12	1691.3523
59	0.49272	SLV_calotta	Min	-3.543E-13	-1.398E-12	1675.153
60	0.	SLE_dreno	Max	-1.494E-13	-5.406E-13	2897.8059
60	0.24636	SLE_dreno	Max	-1.494E-13	-4.981E-13	2863.302
60	0.49272	SLE_dreno	Max	-1.494E-13	-4.552E-13	2833.151
60	0.	SLE_dreno	Min	-1.494E-13	-5.406E-13	2897.8059
60	0.24636	SLE_dreno	Min	-1.494E-13	-4.981E-13	2863.302
60	0.49272	SLE_dreno	Min	-1.494E-13	-4.552E-13	2833.151
60	0.	SLU_dreno	Max	-2.062E-13	-6.828E-13	3767.5301
60	0.24636	SLU_dreno	Max	-2.062E-13	-6.824E-13	3722.6711
60	0.49272	SLU_dreno	Max	-2.062E-13	-6.814E-13	3683.4709
60	0.	SLU_dreno	Min	-2.062E-13	-6.828E-13	3767.5301
60	0.24636	SLU_dreno	Min	-2.062E-13	-6.824E-13	3722.6711
60	0.49272	SLU_dreno	Min	-2.062E-13	-6.814E-13	3683.4709
60	0.	SLV_dreno	Max	-2.418E-13	-6.556E-13	3127.6544
60	0.24636	SLV_dreno	Max	-2.418E-13	-5.712E-13	3083.1287
60	0.49272	SLV_dreno	Max	-2.418E-13	-4.861E-13	3043.4999
60	0.	SLV_dreno	Min	-2.418E-13	-6.556E-13	3127.6544
60	0.24636	SLV_dreno	Min	-2.418E-13	-5.712E-13	3083.1287
60	0.49272	SLV_dreno	Min	-2.418E-13	-4.861E-13	3043.4999
60	0.	SLE_calotta	Max	-6.690E-14	-5.689E-14	2951.0736
60	0.24636	SLE_calotta	Max	-6.690E-14	-2.860E-14	2914.5428
60	0.49272	SLE_calotta	Max	-6.690E-14	2.237E-16	2882.3649
60	0.	SLE_calotta	Min	-6.690E-14	-5.689E-14	2951.0736
60	0.24636	SLE_calotta	Min	-6.690E-14	-2.860E-14	2914.5428
60	0.49272	SLE_calotta	Min	-6.690E-14	2.237E-16	2882.3649
60	0.	SLU_calotta	Max	-8.641E-14	-8.554E-14	3836.3957
60	0.24636	SLU_calotta	Max	-8.641E-14	-4.306E-14	3788.9057
60	0.49272	SLU_calotta	Max	-8.641E-14	1.123E-16	3747.0744
60	0.	SLU_calotta	Min	-8.641E-14	-8.554E-14	3836.3957
60	0.24636	SLU_calotta	Min	-8.641E-14	-4.306E-14	3788.9057
60	0.49272	SLU_calotta	Min	-8.641E-14	1.123E-16	3747.0744
60	0.	SLV_calotta	Max	-3.672E-13	-1.536E-12	1675.153
60	0.24636	SLV_calotta	Max	-3.672E-13	-1.368E-12	1646.2703
60	0.49272	SLV_calotta	Max	-3.672E-13	-1.199E-12	1622.2844
60	0.	SLV_calotta	Min	-3.672E-13	-1.536E-12	1675.153
60	0.24636	SLV_calotta	Min	-3.672E-13	-1.368E-12	1646.2703
60	0.49272	SLV_calotta	Min	-3.672E-13	-1.199E-12	1622.2844
61	0.	SLE_dreno	Max	-1.569E-13	-4.267E-13	2833.151
61	0.24636	SLE_dreno	Max	-1.569E-13	-3.985E-13	2785.6488
61	0.49272	SLE_dreno	Max	-1.569E-13	-3.697E-13	2742.4683
61	0.	SLE_dreno	Min	-1.569E-13	-4.267E-13	2833.151
61	0.24636	SLE_dreno	Min	-1.569E-13	-3.985E-13	2785.6488
61	0.49272	SLE_dreno	Min	-1.569E-13	-3.697E-13	2742.4683



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
61	0.	SLU_dreno	Max	-2.276E-13	-4.554E-13	3683.4709
61	0.24636	SLU_dreno	Max	-2.276E-13	-4.550E-13	3621.7126
61	0.49272	SLU_dreno	Max	-2.276E-13	-4.539E-13	3565.5725
61	0.	SLU_dreno	Min	-2.276E-13	-4.554E-13	3683.4709
61	0.24636	SLU_dreno	Min	-2.276E-13	-4.550E-13	3621.7126
61	0.49272	SLU_dreno	Min	-2.276E-13	-4.539E-13	3565.5725
61	0.	SLV_dreno	Max	-2.488E-13	-5.132E-13	3043.4999
61	0.24636	SLV_dreno	Max	-2.488E-13	-4.566E-13	2984.7137
61	0.49272	SLV_dreno	Max	-2.488E-13	-3.994E-13	2930.7894
61	0.	SLV_dreno	Min	-2.488E-13	-5.132E-13	3043.4999
61	0.24636	SLV_dreno	Min	-2.488E-13	-4.566E-13	2984.7137
61	0.49272	SLV_dreno	Min	-2.488E-13	-3.994E-13	2930.7894
61	0.	SLE_calotta	Max	-6.934E-14	-7.119E-15	2882.3649
61	0.24636	SLE_calotta	Max	-6.934E-14	7.163E-15	2832.0216
61	0.49272	SLE_calotta	Max	-6.934E-14	2.197E-14	2785.9998
61	0.	SLE_calotta	Min	-6.934E-14	-7.119E-15	2882.3649
61	0.24636	SLE_calotta	Min	-6.934E-14	7.163E-15	2832.0216
61	0.49272	SLE_calotta	Min	-6.934E-14	2.197E-14	2785.9998
61	0.	SLU_calotta	Max	-9.108E-14	-1.424E-14	3747.0744
61	0.24636	SLU_calotta	Max	-9.108E-14	1.417E-14	3681.628
61	0.49272	SLU_calotta	Max	-9.108E-14	4.326E-14	3621.7998
61	0.	SLU_calotta	Min	-9.108E-14	-1.424E-14	3747.0744
61	0.24636	SLU_calotta	Min	-9.108E-14	1.417E-14	3681.628
61	0.49272	SLU_calotta	Min	-9.108E-14	4.326E-14	3621.7998
61	0.	SLV_calotta	Max	-3.805E-13	-1.309E-12	1622.2844
61	0.24636	SLV_calotta	Max	-3.805E-13	-1.224E-12	1585.6294
61	0.49272	SLV_calotta	Max	-3.805E-13	-1.139E-12	1553.8361
61	0.	SLV_calotta	Min	-3.805E-13	-1.309E-12	1622.2844
61	0.24636	SLV_calotta	Min	-3.805E-13	-1.224E-12	1585.6294
61	0.49272	SLV_calotta	Min	-3.805E-13	-1.139E-12	1553.8361
62	0.	SLE_dreno	Max	-1.640E-13	-3.698E-13	2742.4683
62	0.24636	SLE_dreno	Max	-1.640E-13	-3.416E-13	2681.8793
62	0.49272	SLE_dreno	Max	-1.640E-13	-3.128E-13	2625.5804
62	0.	SLE_dreno	Min	-1.640E-13	-3.698E-13	2742.4683
62	0.24636	SLE_dreno	Min	-1.640E-13	-3.416E-13	2681.8793
62	0.49272	SLE_dreno	Min	-1.640E-13	-3.128E-13	2625.5804
62	0.	SLU_dreno	Max	-2.205E-13	-2.278E-13	3565.5725
62	0.24636	SLU_dreno	Max	-2.205E-13	-2.275E-13	3486.7996
62	0.49272	SLU_dreno	Max	-2.205E-13	-2.265E-13	3413.6041
62	0.	SLU_dreno	Min	-2.205E-13	-2.278E-13	3565.5725
62	0.24636	SLU_dreno	Min	-2.205E-13	-2.275E-13	3486.7996
62	0.49272	SLU_dreno	Min	-2.205E-13	-2.265E-13	3413.6041
62	0.	SLV_dreno	Max	-2.572E-13	-4.276E-13	2930.7894
62	0.24636	SLV_dreno	Max	-2.572E-13	-4.274E-13	2857.7191
62	0.49272	SLV_dreno	Max	-2.572E-13	-4.265E-13	2789.4753
62	0.	SLV_dreno	Min	-2.572E-13	-4.276E-13	2930.7894
62	0.24636	SLV_dreno	Min	-2.572E-13	-4.274E-13	2857.7191
62	0.49272	SLV_dreno	Min	-2.572E-13	-4.265E-13	2789.4753
62	0.	SLE_calotta	Max	-7.357E-14	2.136E-14	2785.9998
62	0.24636	SLE_calotta	Max	-7.357E-14	2.161E-14	2721.7516
62	0.49272	SLE_calotta	Max	-7.357E-14	2.238E-14	2661.7936
62	0.	SLE_calotta	Min	-7.357E-14	2.136E-14	2785.9998
62	0.24636	SLE_calotta	Min	-7.357E-14	2.161E-14	2721.7516
62	0.49272	SLE_calotta	Min	-7.357E-14	2.238E-14	2661.7936
62	0.	SLU_calotta	Max	-9.509E-14	4.272E-14	3621.7998
62	0.24636	SLU_calotta	Max	-9.509E-14	1.502E-14	3538.2771
62	0.49272	SLU_calotta	Max	-9.509E-14	-1.199E-14	3460.3317
62	0.	SLU_calotta	Min	-9.509E-14	4.272E-14	3621.7998
62	0.24636	SLU_calotta	Min	-9.509E-14	1.502E-14	3538.2771

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
62	0.49272	SLU_calotta	Min	-9.509E-14	-1.199E-14	3460.3317
62	0.	SLV_calotta	Max	-3.903E-13	-1.053E-12	1553.8361
62	0.24636	SLV_calotta	Max	-3.903E-13	-1.024E-12	1509.36
62	0.49272	SLV_calotta	Max	-3.903E-13	-9.953E-13	1469.7103
62	0.	SLV_calotta	Min	-3.903E-13	-1.053E-12	1553.8361
62	0.24636	SLV_calotta	Min	-3.903E-13	-1.024E-12	1509.36
62	0.49272	SLV_calotta	Min	-3.903E-13	-9.953E-13	1469.7103
63	0.	SLE_dreno	Max	-1.680E-13	-3.698E-13	2625.5804
63	0.24636	SLE_dreno	Max	-1.680E-13	-3.976E-13	2551.8003
63	0.49272	SLE_dreno	Max	-1.680E-13	-4.248E-13	2482.2636
63	0.	SLE_dreno	Min	-1.680E-13	-3.698E-13	2625.5804
63	0.24636	SLE_dreno	Min	-1.680E-13	-3.976E-13	2551.8003
63	0.49272	SLE_dreno	Min	-1.680E-13	-4.248E-13	2482.2636
63	0.	SLU_dreno	Max	-2.276E-13	-4.552E-13	3413.6041
63	0.24636	SLU_dreno	Max	-2.276E-13	-2.308E-13	3317.6813
63	0.49272	SLU_dreno	Max	-2.276E-13	-5.718E-15	3227.2749
63	0.	SLU_dreno	Min	-2.276E-13	-4.552E-13	3413.6041
63	0.24636	SLU_dreno	Min	-2.276E-13	-2.308E-13	3317.6813
63	0.49272	SLU_dreno	Min	-2.276E-13	-5.718E-15	3227.2749
63	0.	SLV_dreno	Max	-2.626E-13	-4.562E-13	2789.4753
63	0.24636	SLV_dreno	Max	-2.626E-13	-4.839E-13	2702.0804
63	0.49272	SLV_dreno	Max	-2.626E-13	-5.109E-13	2619.4593
63	0.	SLV_dreno	Min	-2.626E-13	-4.562E-13	2789.4753
63	0.24636	SLV_dreno	Min	-2.626E-13	-4.839E-13	2702.0804
63	0.49272	SLV_dreno	Min	-2.626E-13	-5.109E-13	2619.4593
63	0.	SLE_calotta	Max	-7.579E-14	2.842E-14	2661.7936
63	0.24636	SLE_calotta	Max	-7.579E-14	7.676E-15	2583.5319
63	0.49272	SLE_calotta	Max	-7.579E-14	-1.255E-14	2509.5136
63	0.	SLE_calotta	Min	-7.579E-14	2.842E-14	2661.7936
63	0.24636	SLE_calotta	Min	-7.579E-14	7.676E-15	2583.5319
63	0.49272	SLE_calotta	Min	-7.579E-14	-1.255E-14	2509.5136
63	0.	SLU_calotta	Max	-9.910E-14	1.421E-14	3460.3317
63	0.24636	SLU_calotta	Max	-9.910E-14	5.448E-16	3358.5915
63	0.49272	SLU_calotta	Max	-9.910E-14	-1.245E-14	3262.3676
63	0.	SLU_calotta	Min	-9.910E-14	1.421E-14	3460.3317
63	0.24636	SLU_calotta	Min	-9.910E-14	5.448E-16	3358.5915
63	0.49272	SLU_calotta	Min	-9.910E-14	-1.245E-14	3262.3676
63	0.	SLV_calotta	Max	-3.996E-13	-1.024E-12	1469.7103
63	0.24636	SLV_calotta	Max	-3.996E-13	-9.959E-13	1417.3362
63	0.49272	SLV_calotta	Max	-3.996E-13	-9.671E-13	1369.7358
63	0.	SLV_calotta	Min	-3.996E-13	-1.024E-12	1469.7103
63	0.24636	SLV_calotta	Min	-3.996E-13	-9.959E-13	1417.3362
63	0.49272	SLV_calotta	Min	-3.996E-13	-9.671E-13	1369.7358
64	0.	SLE_dreno	Max	-1.751E-13	-3.698E-13	2482.2636
64	0.24636	SLE_dreno	Max	-1.751E-13	-3.416E-13	2395.1577
64	0.49272	SLE_dreno	Max	-1.751E-13	-3.128E-13	2312.2481
64	0.	SLE_dreno	Min	-1.751E-13	-3.698E-13	2482.2636
64	0.24636	SLE_dreno	Min	-1.751E-13	-3.416E-13	2395.1577
64	0.49272	SLE_dreno	Min	-1.751E-13	-3.128E-13	2312.2481
64	0.	SLU_dreno	Max	-2.418E-13	-6.826E-13	3227.2749
64	0.24636	SLU_dreno	Max	-2.418E-13	-4.582E-13	3114.027
64	0.49272	SLU_dreno	Max	-2.418E-13	-2.331E-13	3006.2342
64	0.	SLU_dreno	Min	-2.418E-13	-6.826E-13	3227.2749
64	0.24636	SLU_dreno	Min	-2.418E-13	-4.582E-13	3114.027
64	0.49272	SLU_dreno	Min	-2.418E-13	-2.331E-13	3006.2342
64	0.	SLV_dreno	Max	-2.703E-13	-4.275E-13	2619.4593
64	0.24636	SLV_dreno	Max	-2.703E-13	-4.273E-13	2517.6657
64	0.49272	SLV_dreno	Max	-2.703E-13	-4.266E-13	2420.5928
64	0.	SLV_dreno	Min	-2.703E-13	-4.275E-13	2619.4593

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
64	0.24636	SLV_dreno	Min	-2.703E-13	-4.273E-13	2517.6657
64	0.49272	SLV_dreno	Min	-2.703E-13	-4.266E-13	2420.5928
64	0.	SLE_calotta	Max	-7.934E-14	-7.078E-15	2509.5136
64	0.24636	SLE_calotta	Max	-7.934E-14	-6.848E-15	2417.0982
64	0.49272	SLE_calotta	Max	-7.934E-14	-6.105E-15	2328.879
64	0.	SLE_calotta	Min	-7.934E-14	-7.078E-15	2509.5136
64	0.24636	SLE_calotta	Min	-7.934E-14	-6.848E-15	2417.0982
64	0.49272	SLE_calotta	Min	-7.934E-14	-6.105E-15	2328.879
64	0.	SLU_calotta	Max	-1.029E-13	1.427E-14	3262.3676
64	0.24636	SLU_calotta	Max	-1.029E-13	5.419E-16	3142.2276
64	0.49272	SLU_calotta	Max	-1.029E-13	-1.251E-14	3027.5426
64	0.	SLU_calotta	Min	-1.029E-13	1.427E-14	3262.3676
64	0.24636	SLU_calotta	Min	-1.029E-13	5.419E-16	3142.2276
64	0.49272	SLU_calotta	Min	-1.029E-13	-1.251E-14	3027.5426
64	0.	SLV_calotta	Max	-4.143E-13	-1.081E-12	1369.7358
64	0.24636	SLV_calotta	Max	-4.143E-13	-9.967E-13	1309.3423
64	0.49272	SLV_calotta	Max	-4.143E-13	-9.119E-13	1253.6695
64	0.	SLV_calotta	Min	-4.143E-13	-1.081E-12	1369.7358
64	0.24636	SLV_calotta	Min	-4.143E-13	-9.967E-13	1309.3423
64	0.49272	SLV_calotta	Min	-4.143E-13	-9.119E-13	1253.6695
65	0.	SLE_dreno	Max	-1.818E-13	-3.129E-13	2312.2481
65	0.24636	SLE_dreno	Max	-1.818E-13	-3.127E-13	2211.6665
65	0.49272	SLE_dreno	Max	-1.818E-13	-3.120E-13	2115.2186
65	0.	SLE_dreno	Min	-1.818E-13	-3.129E-13	2312.2481
65	0.24636	SLE_dreno	Min	-1.818E-13	-3.127E-13	2211.6665
65	0.49272	SLE_dreno	Min	-1.818E-13	-3.120E-13	2115.2186
65	0.	SLU_dreno	Max	-2.489E-13	-4.552E-13	3006.2342
65	0.24636	SLU_dreno	Max	-2.489E-13	-4.549E-13	2875.4663
65	0.49272	SLU_dreno	Max	-2.489E-13	-4.540E-13	2750.0722
65	0.	SLU_dreno	Min	-2.489E-13	-4.552E-13	3006.2342
65	0.24636	SLU_dreno	Min	-2.489E-13	-4.549E-13	2875.4663
65	0.49272	SLU_dreno	Min	-2.489E-13	-4.540E-13	2750.0722
65	0.	SLV_dreno	Max	-2.764E-13	-3.422E-13	2420.5928
65	0.24636	SLV_dreno	Max	-2.764E-13	-3.981E-13	2304.3099
65	0.49272	SLV_dreno	Max	-2.764E-13	-4.533E-13	2192.6774
65	0.	SLV_dreno	Min	-2.764E-13	-3.422E-13	2420.5928
65	0.24636	SLV_dreno	Min	-2.764E-13	-3.981E-13	2304.3099
65	0.49272	SLV_dreno	Min	-2.764E-13	-4.533E-13	2192.6774
65	0.	SLE_calotta	Max	-8.179E-14	-1.421E-14	2328.879
65	0.24636	SLE_calotta	Max	-8.179E-14	-2.798E-14	2222.1535
65	0.49272	SLE_calotta	Max	-8.179E-14	-4.123E-14	2119.5617
65	0.	SLE_calotta	Min	-8.179E-14	-1.421E-14	2328.879
65	0.24636	SLE_calotta	Min	-8.179E-14	-2.798E-14	2222.1535
65	0.49272	SLE_calotta	Min	-8.179E-14	-4.123E-14	2119.5617
65	0.	SLU_calotta	Max	-1.053E-13	0.	3027.5426
65	0.24636	SLU_calotta	Max	-1.053E-13	-1.373E-14	2888.7995
65	0.49272	SLU_calotta	Max	-1.053E-13	-2.680E-14	2755.4302
65	0.	SLU_calotta	Min	-1.053E-13	0.	3027.5426
65	0.24636	SLU_calotta	Min	-1.053E-13	-1.373E-14	2888.7995
65	0.49272	SLU_calotta	Min	-1.053E-13	-2.680E-14	2755.4302
65	0.	SLV_calotta	Max	-4.250E-13	-9.389E-13	1253.6695
65	0.24636	SLV_calotta	Max	-4.250E-13	-9.105E-13	1185.1076
65	0.49272	SLV_calotta	Max	-4.250E-13	-8.815E-13	1121.196
65	0.	SLV_calotta	Min	-4.250E-13	-9.389E-13	1253.6695
65	0.24636	SLV_calotta	Min	-4.250E-13	-9.105E-13	1185.1076
65	0.49272	SLV_calotta	Min	-4.250E-13	-8.815E-13	1121.196
66	0.	SLE_dreno	Max	-1.862E-13	-3.414E-13	2115.2186
66	0.24636	SLE_dreno	Max	-1.862E-13	-3.411E-13	2000.9812
66	0.49272	SLE_dreno	Max	-1.862E-13	-3.404E-13	1890.8146

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
66	0.	SLE_dreno	Min	-1.862E-13	-3.414E-13	2115.2186
66	0.24636	SLE_dreno	Min	-1.862E-13	-3.411E-13	2000.9812
66	0.49272	SLE_dreno	Min	-1.862E-13	-3.404E-13	1890.8146
66	0.	SLU_dreno	Max	-2.489E-13	-2.278E-13	2750.0722
66	0.24636	SLU_dreno	Max	-2.489E-13	-6.756E-13	2601.55
66	0.49272	SLU_dreno	Max	-2.489E-13	-1.123E-12	2458.3201
66	0.	SLV_dreno	Min	-2.489E-13	-2.278E-13	2750.0722
66	0.24636	SLV_dreno	Min	-2.489E-13	-6.756E-13	2601.55
66	0.49272	SLV_dreno	Min	-2.489E-13	-1.123E-12	2458.3201
66	0.	SLV_dreno	Max	-2.819E-13	-4.557E-13	2192.6774
66	0.24636	SLV_dreno	Max	-2.819E-13	-4.276E-13	2061.7816
66	0.49272	SLV_dreno	Max	-2.819E-13	-3.990E-13	1935.4656
66	0.	SLV_dreno	Min	-2.819E-13	-4.557E-13	2192.6774
66	0.24636	SLV_dreno	Min	-2.819E-13	-4.276E-13	2061.7816
66	0.49272	SLV_dreno	Min	-2.819E-13	-3.990E-13	1935.4656
66	0.	SLE_calotta	Max	-8.312E-14	-1.424E-14	2119.5617
66	0.24636	SLE_calotta	Max	-8.312E-14	-2.799E-14	1998.3388
66	0.49272	SLE_calotta	Max	-8.312E-14	-4.125E-14	1881.1867
66	0.	SLE_calotta	Min	-8.312E-14	-1.424E-14	2119.5617
66	0.24636	SLE_calotta	Min	-8.312E-14	-2.799E-14	1998.3388
66	0.49272	SLE_calotta	Min	-8.312E-14	-4.125E-14	1881.1867
66	0.	SLU_calotta	Max	-1.087E-13	-4.274E-14	2755.4302
66	0.24636	SLU_calotta	Max	-1.087E-13	-4.245E-14	2597.8403
66	0.49272	SLU_calotta	Max	-1.087E-13	-4.150E-14	2445.5426
66	0.	SLU_calotta	Min	-1.087E-13	-4.274E-14	2755.4302
66	0.24636	SLU_calotta	Min	-1.087E-13	-4.245E-14	2597.8403
66	0.49272	SLU_calotta	Min	-1.087E-13	-4.150E-14	2445.5426
66	0.	SLV_calotta	Max	-4.290E-13	-8.819E-13	1121.196
66	0.24636	SLV_calotta	Max	-4.290E-13	-8.817E-13	1044.2727
66	0.49272	SLV_calotta	Max	-4.290E-13	-8.809E-13	971.9291
66	0.	SLV_calotta	Min	-4.290E-13	-8.819E-13	1121.196
66	0.24636	SLV_calotta	Min	-4.290E-13	-8.817E-13	1044.2727
66	0.49272	SLV_calotta	Min	-4.290E-13	-8.809E-13	971.9291
67	0.	SLE_dreno	Max	-1.849E-13	-3.414E-13	1890.8146
67	0.24636	SLE_dreno	Max	-1.849E-13	-3.972E-13	1762.7189
67	0.49272	SLE_dreno	Max	-1.849E-13	-4.525E-13	1638.601
67	0.	SLE_dreno	Min	-1.849E-13	-3.414E-13	1890.8146
67	0.24636	SLE_dreno	Min	-1.849E-13	-3.972E-13	1762.7189
67	0.49272	SLE_dreno	Min	-1.849E-13	-4.525E-13	1638.601
67	0.	SLU_dreno	Max	-2.631E-13	-6.825E-13	2458.3201
67	0.24636	SLU_dreno	Max	-2.631E-13	-2.342E-13	2291.7806
67	0.49272	SLU_dreno	Max	-2.631E-13	2.147E-13	2130.4121
67	0.	SLU_dreno	Min	-2.631E-13	-6.825E-13	2458.3201
67	0.24636	SLU_dreno	Min	-2.631E-13	-2.342E-13	2291.7806
67	0.49272	SLU_dreno	Min	-2.631E-13	2.147E-13	2130.4121
67	0.	SLV_dreno	Max	-2.824E-13	-4.274E-13	1935.4656
67	0.24636	SLV_dreno	Max	-2.824E-13	-5.393E-13	1789.8092
67	0.49272	SLV_dreno	Max	-2.824E-13	-6.507E-13	1648.6278
67	0.	SLV_dreno	Min	-2.824E-13	-4.274E-13	1935.4656
67	0.24636	SLV_dreno	Min	-2.824E-13	-5.393E-13	1789.8092
67	0.49272	SLV_dreno	Min	-2.824E-13	-6.507E-13	1648.6278
67	0.	SLE_calotta	Max	-8.401E-14	-4.975E-14	1881.1867
67	0.24636	SLE_calotta	Max	-8.401E-14	-7.756E-14	1745.2558
67	0.49272	SLE_calotta	Max	-8.401E-14	-1.049E-13	1613.3026
67	0.	SLE_calotta	Min	-8.401E-14	-4.975E-14	1881.1867
67	0.24636	SLE_calotta	Min	-8.401E-14	-7.756E-14	1745.2558
67	0.49272	SLE_calotta	Min	-8.401E-14	-1.049E-13	1613.3026
67	0.	SLU_calotta	Max	-1.087E-13	-2.853E-14	2445.5426
67	0.24636	SLU_calotta	Max	-1.087E-13	-8.437E-14	2268.8325

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
67	0.49272	SLU_calotta	Max	-1.087E-13	-1.396E-13	2097.2933
67	0.	SLU_calotta	Min	-1.087E-13	-2.853E-14	2445.5426
67	0.24636	SLU_calotta	Min	-1.087E-13	-8.437E-14	2268.8325
67	0.49272	SLU_calotta	Min	-1.087E-13	-1.396E-13	2097.2933
67	0.	SLV_calotta	Max	-4.299E-13	-8.820E-13	971.9291
67	0.24636	SLV_calotta	Max	-4.299E-13	-9.658E-13	886.4162
67	0.49272	SLV_calotta	Max	-4.299E-13	-1.049E-12	805.3783
67	0.	SLV_calotta	Min	-4.299E-13	-8.820E-13	971.9291
67	0.24636	SLV_calotta	Min	-4.299E-13	-9.658E-13	886.4162
67	0.49272	SLV_calotta	Min	-4.299E-13	-1.049E-12	805.3783
68	0.	SLE_dreno	Max	-1.920E-13	-4.836E-13	1638.601
68	0.24636	SLE_dreno	Max	-1.920E-13	-4.833E-13	1496.4002
68	0.49272	SLE_dreno	Max	-1.920E-13	-4.827E-13	1358.099
68	0.	SLE_dreno	Min	-1.920E-13	-4.836E-13	1638.601
68	0.24636	SLE_dreno	Min	-1.920E-13	-4.833E-13	1496.4002
68	0.49272	SLE_dreno	Min	-1.920E-13	-4.827E-13	1358.099
68	0.	SLU_dreno	Max	-2.560E-13	-5.551E-16	2130.4121
68	0.24636	SLU_dreno	Max	-2.560E-13	-2.244E-13	1945.5344
68	0.49272	SLU_dreno	Max	-2.560E-13	-4.475E-13	1765.726
68	0.	SLU_dreno	Min	-2.560E-13	-5.551E-16	2130.4121
68	0.24636	SLU_dreno	Min	-2.560E-13	-2.244E-13	1945.5344
68	0.49272	SLU_dreno	Min	-2.560E-13	-4.475E-13	1765.726
68	0.	SLV_dreno	Max	-2.899E-13	-5.129E-13	1648.6278
68	0.24636	SLV_dreno	Max	-2.899E-13	-5.129E-13	1488.0143
68	0.49272	SLV_dreno	Max	-2.899E-13	-5.123E-13	1331.7878
68	0.	SLV_dreno	Min	-2.899E-13	-5.129E-13	1648.6278
68	0.24636	SLV_dreno	Min	-2.899E-13	-5.129E-13	1488.0143
68	0.49272	SLV_dreno	Min	-2.899E-13	-5.123E-13	1331.7878
68	0.	SLE_calotta	Max	-8.690E-14	-9.956E-14	1613.3026
68	0.24636	SLE_calotta	Max	-8.690E-14	-1.133E-13	1462.4082
68	0.49272	SLE_calotta	Max	-8.690E-14	-1.266E-13	1315.4133
68	0.	SLE_calotta	Min	-8.690E-14	-9.956E-14	1613.3026
68	0.24636	SLE_calotta	Min	-8.690E-14	-1.133E-13	1462.4082
68	0.49272	SLE_calotta	Min	-8.690E-14	-1.266E-13	1315.4133
68	0.	SLU_calotta	Max	-1.127E-13	-1.568E-13	2097.2933
68	0.24636	SLU_calotta	Max	-1.127E-13	-1.565E-13	1901.1306
68	0.49272	SLU_calotta	Max	-1.127E-13	-1.556E-13	1710.0372
68	0.	SLU_calotta	Min	-1.127E-13	-1.568E-13	2097.2933
68	0.24636	SLU_calotta	Min	-1.127E-13	-1.565E-13	1901.1306
68	0.49272	SLU_calotta	Min	-1.127E-13	-1.556E-13	1710.0372
68	0.	SLV_calotta	Max	-4.334E-13	-9.958E-13	805.3783
68	0.24636	SLV_calotta	Max	-4.334E-13	-9.393E-13	710.9875
68	0.49272	SLV_calotta	Max	-4.334E-13	-8.822E-13	620.9837
68	0.	SLV_calotta	Min	-4.334E-13	-9.958E-13	805.3783
68	0.24636	SLV_calotta	Min	-4.334E-13	-9.393E-13	710.9875
68	0.49272	SLV_calotta	Min	-4.334E-13	-8.822E-13	620.9837
69	0.	SLE_dreno	Max	-1.965E-13	-4.837E-13	1358.099
69	0.24636	SLE_dreno	Max	-1.965E-13	-5.114E-13	1201.5478
69	0.49272	SLE_dreno	Max	-1.965E-13	-5.386E-13	1048.7876
69	0.	SLE_dreno	Min	-1.965E-13	-4.837E-13	1358.099
69	0.24636	SLE_dreno	Min	-1.965E-13	-5.114E-13	1201.5478
69	0.49272	SLE_dreno	Min	-1.965E-13	-5.386E-13	1048.7876
69	0.	SLU_dreno	Max	-2.631E-13	-6.828E-13	1765.726
69	0.24636	SLU_dreno	Max	-2.631E-13	-6.825E-13	1562.1911
69	0.49272	SLU_dreno	Max	-2.631E-13	-6.815E-13	1363.5843
69	0.	SLU_dreno	Min	-2.631E-13	-6.828E-13	1765.726
69	0.24636	SLU_dreno	Min	-2.631E-13	-6.825E-13	1562.1911
69	0.49272	SLU_dreno	Min	-2.631E-13	-6.815E-13	1363.5843
69	0.	SLV_dreno	Max	-2.906E-13	-5.416E-13	1331.7878

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
69	0.24636	SLV_dreno	Max	-2.906E-13	-5.693E-13	1156.0236
69	0.49272	SLV_dreno	Max	-2.906E-13	-5.965E-13	984.5242
69	0.	SLV_dreno	Min	-2.906E-13	-5.416E-13	1331.7878
69	0.24636	SLV_dreno	Min	-2.906E-13	-5.693E-13	1156.0236
69	0.49272	SLV_dreno	Min	-2.906E-13	-5.965E-13	984.5242
69	0.	SLE_calotta	Max	-8.801E-14	-1.351E-13	1315.4133
69	0.24636	SLE_calotta	Max	-8.801E-14	-1.629E-13	1149.3006
69	0.49272	SLE_calotta	Max	-8.801E-14	-1.903E-13	986.9788
69	0.	SLE_calotta	Min	-8.801E-14	-1.351E-13	1315.4133
69	0.24636	SLE_calotta	Min	-8.801E-14	-1.629E-13	1149.3006
69	0.49272	SLE_calotta	Min	-8.801E-14	-1.903E-13	986.9788
69	0.	SLU_calotta	Max	-1.140E-13	-1.711E-13	1710.0372
69	0.24636	SLU_calotta	Max	-1.140E-13	-1.989E-13	1494.0907
69	0.49272	SLU_calotta	Max	-1.140E-13	-2.261E-13	1283.0723
69	0.	SLU_calotta	Min	-1.140E-13	-1.711E-13	1710.0372
69	0.24636	SLU_calotta	Min	-1.140E-13	-1.989E-13	1494.0907
69	0.49272	SLU_calotta	Min	-1.140E-13	-2.261E-13	1283.0723
69	0.	SLV_calotta	Max	-4.459E-13	-9.674E-13	620.9837
69	0.24636	SLV_calotta	Max	-4.459E-13	-9.952E-13	517.4191
69	0.49272	SLV_calotta	Max	-4.459E-13	-1.022E-12	418.1192
69	0.	SLV_calotta	Min	-4.459E-13	-9.674E-13	620.9837
69	0.24636	SLV_calotta	Min	-4.459E-13	-9.952E-13	517.4191
69	0.49272	SLV_calotta	Min	-4.459E-13	-1.022E-12	418.1192
70	0.	SLE_dreno	Max	-2.009E-13	-4.836E-13	1048.7876
70	0.24636	SLE_dreno	Max	-2.009E-13	-4.554E-13	877.5903
70	0.49272	SLE_dreno	Max	-2.009E-13	-4.268E-13	710.0752
70	0.	SLE_dreno	Min	-2.009E-13	-4.836E-13	1048.7876
70	0.24636	SLE_dreno	Min	-2.009E-13	-4.554E-13	877.5903
70	0.49272	SLE_dreno	Min	-2.009E-13	-4.268E-13	710.0752
70	0.	SLU_dreno	Max	-2.703E-13	-9.102E-13	1363.5843
70	0.24636	SLU_dreno	Max	-2.703E-13	-9.098E-13	1141.0077
70	0.49272	SLU_dreno	Max	-2.703E-13	-9.089E-13	923.218
70	0.	SLU_dreno	Min	-2.703E-13	-9.102E-13	1363.5843
70	0.24636	SLU_dreno	Min	-2.703E-13	-9.098E-13	1141.0077
70	0.49272	SLU_dreno	Min	-2.703E-13	-9.089E-13	923.218
70	0.	SLV_dreno	Max	-2.977E-13	-5.416E-13	984.5242
70	0.24636	SLV_dreno	Max	-2.977E-13	-5.415E-13	793.3604
70	0.49272	SLV_dreno	Max	-2.977E-13	-5.409E-13	606.3392
70	0.	SLV_dreno	Min	-2.977E-13	-5.416E-13	984.5242
70	0.24636	SLV_dreno	Min	-2.977E-13	-5.415E-13	793.3604
70	0.49272	SLV_dreno	Min	-2.977E-13	-5.409E-13	606.3392
70	0.	SLE_calotta	Max	-9.112E-14	-1.849E-13	986.9788
70	0.24636	SLE_calotta	Max	-9.112E-14	-1.847E-13	805.3423
70	0.49272	SLE_calotta	Max	-9.112E-14	-1.840E-13	627.388
70	0.	SLE_calotta	Min	-9.112E-14	-1.849E-13	986.9788
70	0.24636	SLE_calotta	Min	-9.112E-14	-1.847E-13	805.3423
70	0.49272	SLE_calotta	Min	-9.112E-14	-1.840E-13	627.388
70	0.	SLU_calotta	Max	-1.171E-13	-2.422E-13	1283.0723
70	0.24636	SLU_calotta	Max	-1.171E-13	-2.420E-13	1046.9448
70	0.49272	SLU_calotta	Max	-1.171E-13	-2.412E-13	815.6042
70	0.	SLU_calotta	Min	-1.171E-13	-2.422E-13	1283.0723
70	0.24636	SLU_calotta	Min	-1.171E-13	-2.420E-13	1046.9448
70	0.49272	SLU_calotta	Min	-1.171E-13	-2.412E-13	815.6042
70	0.	SLV_calotta	Max	-4.525E-13	-9.956E-13	418.1192
70	0.24636	SLV_calotta	Max	-4.525E-13	-9.955E-13	305.0176
70	0.49272	SLV_calotta	Max	-4.525E-13	-9.949E-13	196.0586
70	0.	SLV_calotta	Min	-4.525E-13	-9.956E-13	418.1192
70	0.24636	SLV_calotta	Min	-4.525E-13	-9.955E-13	305.0176
70	0.49272	SLV_calotta	Min	-4.525E-13	-9.949E-13	196.0586

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
71	0.	SLE_dreno	Max	-2.023E-13	-3.984E-13	710.0752
71	0.24636	SLE_dreno	Max	-2.023E-13	-3.981E-13	523.9323
71	0.49272	SLE_dreno	Max	-2.023E-13	-3.974E-13	341.363
71	0.	SLE_dreno	Min	-2.023E-13	-3.984E-13	710.0752
71	0.24636	SLE_dreno	Min	-2.023E-13	-3.981E-13	523.9323
71	0.49272	SLE_dreno	Min	-2.023E-13	-3.974E-13	341.363
71	0.	SLU_dreno	Max	-2.703E-13	-4.553E-13	923.218
71	0.24636	SLU_dreno	Max	-2.703E-13	-6.790E-13	681.2105
71	0.49272	SLU_dreno	Max	-2.703E-13	-9.022E-13	443.8485
71	0.	SLU_dreno	Min	-2.703E-13	-4.553E-13	923.218
71	0.24636	SLU_dreno	Min	-2.703E-13	-6.790E-13	681.2105
71	0.49272	SLU_dreno	Min	-2.703E-13	-9.022E-13	443.8485
71	0.	SLV_dreno	Max	-2.964E-13	-5.416E-13	606.3392
71	0.24636	SLV_dreno	Max	-2.964E-13	-5.132E-13	399.5246
71	0.49272	SLV_dreno	Max	-2.964E-13	-4.843E-13	196.7301
71	0.	SLV_dreno	Min	-2.964E-13	-5.416E-13	606.3392
71	0.24636	SLV_dreno	Min	-2.964E-13	-5.132E-13	399.5246
71	0.49272	SLV_dreno	Min	-2.964E-13	-4.843E-13	196.7301
71	0.	SLE_calotta	Max	-9.001E-14	-1.920E-13	627.388
71	0.24636	SLE_calotta	Max	-9.001E-14	-1.918E-13	429.9182
71	0.49272	SLE_calotta	Max	-9.001E-14	-1.912E-13	236.0219
71	0.	SLE_calotta	Min	-9.001E-14	-1.920E-13	627.388
71	0.24636	SLE_calotta	Min	-9.001E-14	-1.918E-13	429.9182
71	0.49272	SLE_calotta	Min	-9.001E-14	-1.912E-13	236.0219
71	0.	SLU_calotta	Max	-1.209E-13	-2.423E-13	815.6042
71	0.24636	SLU_calotta	Max	-1.209E-13	-2.560E-13	558.8935
71	0.49272	SLU_calotta	Max	-1.209E-13	-2.693E-13	306.8283
71	0.	SLU_calotta	Min	-1.209E-13	-2.423E-13	815.6042
71	0.24636	SLU_calotta	Min	-1.209E-13	-2.560E-13	558.8935
71	0.49272	SLU_calotta	Min	-1.209E-13	-2.693E-13	306.8283
71	0.	SLV_calotta	Max	-4.530E-13	-9.104E-13	196.0586
71	0.24636	SLV_calotta	Max	-4.530E-13	-7.979E-13	73.0431
71	0.49272	SLV_calotta	Max	-4.530E-13	-6.849E-13	-45.9522
71	0.	SLV_calotta	Min	-4.530E-13	-9.104E-13	196.0586
71	0.24636	SLV_calotta	Min	-4.530E-13	-7.979E-13	73.0431
71	0.49272	SLV_calotta	Min	-4.530E-13	-6.849E-13	-45.9522
72	0.	SLE_dreno	Max	-2.031E-13	-3.983E-13	341.363
72	0.24636	SLE_dreno	Max	-2.031E-13	-3.841E-13	139.9586
72	0.49272	SLE_dreno	Max	-2.031E-13	-3.693E-13	-58.0112
72	0.	SLE_dreno	Min	-2.031E-13	-3.983E-13	341.363
72	0.24636	SLE_dreno	Min	-2.031E-13	-3.841E-13	139.9586
72	0.49272	SLE_dreno	Min	-2.031E-13	-3.693E-13	-58.0112
72	0.	SLU_dreno	Max	-2.809E-13	-4.552E-13	443.8485
72	0.24636	SLU_dreno	Max	-2.809E-13	-4.549E-13	181.9992
72	0.49272	SLU_dreno	Max	-2.809E-13	-4.540E-13	-75.385
72	0.	SLU_dreno	Min	-2.809E-13	-4.552E-13	443.8485
72	0.24636	SLU_dreno	Min	-2.809E-13	-4.549E-13	181.9992
72	0.49272	SLU_dreno	Min	-2.809E-13	-4.540E-13	-75.385
72	0.	SLV_dreno	Max	-3.037E-13	-4.846E-13	196.7301
72	0.24636	SLV_dreno	Max	-3.037E-13	-4.561E-13	-26.0034
72	0.49272	SLV_dreno	Max	-3.037E-13	-4.273E-13	-244.8731
72	0.	SLV_dreno	Min	-3.037E-13	-4.846E-13	196.7301
72	0.24636	SLV_dreno	Min	-3.037E-13	-4.561E-13	-26.0034
72	0.49272	SLV_dreno	Min	-3.037E-13	-4.273E-13	-244.8731
72	0.	SLE_calotta	Max	-9.379E-14	-1.920E-13	236.0219
72	0.24636	SLE_calotta	Max	-9.379E-14	-2.128E-13	22.3928
72	0.49272	SLE_calotta	Max	-9.379E-14	-2.332E-13	-187.8017
72	0.	SLE_calotta	Min	-9.379E-14	-1.920E-13	236.0219
72	0.24636	SLE_calotta	Min	-9.379E-14	-2.128E-13	22.3928

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
72	0.49272	SLE_calotta	Min	-9.379E-14	-2.332E-13	-187.8017
72	0.	SLU_calotta	Max	-1.216E-13	-2.423E-13	306.8283
72	0.24636	SLU_calotta	Max	-1.216E-13	-2.561E-13	29.1105
72	0.49272	SLU_calotta	Max	-1.216E-13	-2.694E-13	-244.1423
72	0.	SLU_calotta	Min	-1.216E-13	-2.423E-13	306.8283
72	0.24636	SLU_calotta	Min	-1.216E-13	-2.561E-13	29.1105
72	0.49272	SLU_calotta	Min	-1.216E-13	-2.694E-13	-244.1423
72	0.	SLV_calotta	Max	-4.574E-13	-7.396E-13	-45.9522
72	0.24636	SLV_calotta	Max	-4.574E-13	-6.834E-13	-179.2878
72	0.49272	SLV_calotta	Max	-4.574E-13	-6.267E-13	-308.7594
72	0.	SLV_calotta	Min	-4.574E-13	-7.396E-13	-45.9522
72	0.24636	SLV_calotta	Min	-4.574E-13	-6.834E-13	-179.2878
72	0.49272	SLV_calotta	Min	-4.574E-13	-6.267E-13	-308.7594
73	0.	SLE_dreno	Max	-2.120E-13	-3.414E-13	-58.0112
73	0.24636	SLE_dreno	Max	-2.120E-13	-3.132E-13	-275.0291
73	0.49272	SLE_dreno	Max	-2.120E-13	-2.845E-13	-488.7361
73	0.	SLE_dreno	Min	-2.120E-13	-3.414E-13	-58.0112
73	0.24636	SLE_dreno	Min	-2.120E-13	-3.132E-13	-275.0291
73	0.49272	SLE_dreno	Min	-2.120E-13	-2.845E-13	-488.7361
73	0.	SLU_dreno	Max	-2.916E-13	-4.552E-13	-75.385
73	0.24636	SLU_dreno	Max	-2.916E-13	-2.308E-13	-357.5335
73	0.49272	SLU_dreno	Max	-2.916E-13	-5.906E-15	-635.378
73	0.	SLU_dreno	Min	-2.916E-13	-4.552E-13	-75.385
73	0.24636	SLU_dreno	Min	-2.916E-13	-2.308E-13	-357.5335
73	0.49272	SLU_dreno	Min	-2.916E-13	-5.906E-15	-635.378
73	0.	SLV_dreno	Max	-3.089E-13	-3.706E-13	-244.8731
73	0.24636	SLV_dreno	Max	-3.089E-13	-3.423E-13	-483.8317
73	0.49272	SLV_dreno	Max	-3.089E-13	-3.136E-13	-719.0658
73	0.	SLV_dreno	Min	-3.089E-13	-3.706E-13	-244.8731
73	0.24636	SLV_dreno	Min	-3.089E-13	-3.423E-13	-483.8317
73	0.49272	SLV_dreno	Min	-3.089E-13	-3.136E-13	-719.0658
73	0.	SLE_calotta	Max	-9.557E-14	-1.991E-13	-187.8017
73	0.24636	SLE_calotta	Max	-9.557E-14	-2.059E-13	-417.9512
73	0.49272	SLE_calotta	Max	-9.557E-14	-2.124E-13	-644.79
73	0.	SLE_calotta	Min	-9.557E-14	-1.991E-13	-187.8017
73	0.24636	SLE_calotta	Min	-9.557E-14	-2.059E-13	-417.9512
73	0.49272	SLE_calotta	Min	-9.557E-14	-2.124E-13	-644.79
73	0.	SLU_calotta	Max	-1.238E-13	-2.566E-13	-244.1423
73	0.24636	SLU_calotta	Max	-1.238E-13	-2.563E-13	-543.3367
73	0.49272	SLU_calotta	Max	-1.238E-13	-2.554E-13	-838.2272
73	0.	SLU_calotta	Min	-1.238E-13	-2.566E-13	-244.1423
73	0.24636	SLU_calotta	Min	-1.238E-13	-2.563E-13	-543.3367
73	0.49272	SLU_calotta	Min	-1.238E-13	-2.554E-13	-838.2272
73	0.	SLV_calotta	Max	-4.694E-13	-5.688E-13	-308.7594
73	0.24636	SLV_calotta	Max	-4.694E-13	-4.565E-13	-452.873
73	0.49272	SLV_calotta	Max	-4.694E-13	-3.438E-13	-593.262
73	0.	SLV_calotta	Min	-4.694E-13	-5.688E-13	-308.7594
73	0.24636	SLV_calotta	Min	-4.694E-13	-4.565E-13	-452.873
73	0.49272	SLV_calotta	Min	-4.694E-13	-3.438E-13	-593.262
74	0.	SLE_dreno	Max	-2.125E-13	-2.987E-13	-488.7361
74	0.24636	SLE_dreno	Max	-2.125E-13	-2.706E-13	-722.3665
74	0.49272	SLE_dreno	Max	-2.125E-13	-2.422E-13	-954.163
74	0.	SLE_dreno	Min	-2.125E-13	-2.987E-13	-488.7361
74	0.24636	SLE_dreno	Min	-2.125E-13	-2.706E-13	-722.3665
74	0.49272	SLE_dreno	Min	-2.125E-13	-2.422E-13	-954.163
74	0.	SLU_dreno	Max	-2.916E-13	-2.220E-16	-635.378
74	0.24636	SLU_dreno	Max	-2.916E-13	-1.308E-16	-939.1245
74	0.49272	SLU_dreno	Max	-2.916E-13	2.524E-16	-1240.4871
74	0.	SLU_dreno	Min	-2.916E-13	-2.220E-16	-635.378



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
74	0.24636	SLU_dreno	Min	-2.916E-13	-1.308E-16	-939.1245
74	0.49272	SLU_dreno	Min	-2.916E-13	2.524E-16	-1240.4871
74	0.	SLV_dreno	Max	-3.095E-13	-3.704E-13	-719.0658
74	0.24636	SLV_dreno	Max	-3.095E-13	-3.422E-13	-975.2812
74	0.49272	SLV_dreno	Max	-3.095E-13	-3.138E-13	-1229.4336
74	0.	SLV_dreno	Min	-3.095E-13	-3.704E-13	-719.0658
74	0.24636	SLV_dreno	Min	-3.095E-13	-3.422E-13	-975.2812
74	0.49272	SLV_dreno	Min	-3.095E-13	-3.138E-13	-1229.4336
74	0.	SLE_calotta	Max	-9.657E-14	-1.991E-13	-644.79
74	0.24636	SLE_calotta	Max	-9.657E-14	-2.131E-13	-892.4675
74	0.49272	SLE_calotta	Max	-9.657E-14	-2.268E-13	-1138.3113
74	0.	SLE_calotta	Min	-9.657E-14	-1.991E-13	-644.79
74	0.24636	SLE_calotta	Min	-9.657E-14	-2.131E-13	-892.4675
74	0.49272	SLE_calotta	Min	-9.657E-14	-2.268E-13	-1138.3113
74	0.	SLU_calotta	Max	-1.249E-13	-2.566E-13	-838.2272
74	0.24636	SLU_calotta	Max	-1.249E-13	-2.705E-13	-1160.2079
74	0.49272	SLU_calotta	Max	-1.249E-13	-2.841E-13	-1479.8048
74	0.	SLU_calotta	Min	-1.249E-13	-2.566E-13	-838.2272
74	0.24636	SLU_calotta	Min	-1.249E-13	-2.705E-13	-1160.2079
74	0.49272	SLU_calotta	Min	-1.249E-13	-2.841E-13	-1479.8048
74	0.	SLV_calotta	Max	-4.730E-13	-3.698E-13	-593.262
74	0.24636	SLV_calotta	Max	-4.730E-13	-3.136E-13	-749.3521
74	0.49272	SLV_calotta	Max	-4.730E-13	-2.571E-13	-903.3791
74	0.	SLV_calotta	Min	-4.730E-13	-3.698E-13	-593.262
74	0.24636	SLV_calotta	Min	-4.730E-13	-3.136E-13	-749.3521
74	0.49272	SLV_calotta	Min	-4.730E-13	-2.571E-13	-903.3791
75	0.	SLE_dreno	Max	-2.165E-13	-1.992E-13	-954.163
75	0.24636	SLE_dreno	Max	-2.165E-13	-2.270E-13	-1206.4918
75	0.49272	SLE_dreno	Max	-2.165E-13	-2.546E-13	-1456.6136
75	0.	SLE_dreno	Min	-2.165E-13	-1.992E-13	-954.163
75	0.24636	SLE_dreno	Min	-2.165E-13	-2.270E-13	-1206.4918
75	0.49272	SLE_dreno	Min	-2.165E-13	-2.546E-13	-1456.6136
75	0.	SLU_dreno	Max	-2.916E-13	-2.277E-13	-1240.4871
75	0.24636	SLU_dreno	Max	-2.916E-13	-4.515E-13	-1568.5433
75	0.49272	SLU_dreno	Max	-2.916E-13	-6.750E-13	-1893.7304
75	0.	SLU_dreno	Min	-2.916E-13	-2.277E-13	-1240.4871
75	0.24636	SLU_dreno	Min	-2.916E-13	-4.515E-13	-1568.5433
75	0.49272	SLU_dreno	Min	-2.916E-13	-6.750E-13	-1893.7304
75	0.	SLV_dreno	Max	-3.335E-13	-2.850E-13	-1229.4336
75	0.24636	SLV_dreno	Max	-3.335E-13	-2.287E-13	-1505.1572
75	0.49272	SLV_dreno	Max	-3.335E-13	-1.721E-13	-1778.3979
75	0.	SLV_dreno	Min	-3.335E-13	-2.850E-13	-1229.4336
75	0.24636	SLV_dreno	Min	-3.335E-13	-2.287E-13	-1505.1572
75	0.49272	SLV_dreno	Min	-3.335E-13	-1.721E-13	-1778.3979
75	0.	SLE_calotta	Max	-1.033E-13	-2.205E-13	-1138.3113
75	0.24636	SLE_calotta	Max	-1.033E-13	-2.344E-13	-1405.609
75	0.49272	SLE_calotta	Max	-1.033E-13	-2.480E-13	-1670.6996
75	0.	SLE_calotta	Min	-1.033E-13	-2.205E-13	-1138.3113
75	0.24636	SLE_calotta	Min	-1.033E-13	-2.344E-13	-1405.609
75	0.49272	SLE_calotta	Min	-1.033E-13	-2.480E-13	-1670.6996
75	0.	SLU_calotta	Max	-1.374E-13	-2.708E-13	-1479.8048
75	0.24636	SLU_calotta	Max	-1.374E-13	-3.128E-13	-1827.2918
75	0.49272	SLU_calotta	Max	-1.374E-13	-3.544E-13	-2171.9097
75	0.	SLU_calotta	Min	-1.374E-13	-2.708E-13	-1479.8048
75	0.24636	SLU_calotta	Min	-1.374E-13	-3.128E-13	-1827.2918
75	0.49272	SLU_calotta	Min	-1.374E-13	-3.544E-13	-2171.9097
75	0.	SLV_calotta	Max	-5.010E-13	-3.127E-13	-903.3791
75	0.24636	SLV_calotta	Max	-5.010E-13	-1.725E-13	-1073.8821
75	0.49272	SLV_calotta	Max	-5.010E-13	-3.185E-14	-1241.9022

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
75	0.	SLV_calotta	Min	-5.010E-13	-3.127E-13	-903.3791
75	0.24636	SLV_calotta	Min	-5.010E-13	-1.725E-13	-1073.8821
75	0.49272	SLV_calotta	Min	-5.010E-13	-3.185E-14	-1241.9022
76	0.	SLE_dreno	Max	-2.134E-13	-2.276E-13	-1456.6136
76	0.24636	SLE_dreno	Max	-2.134E-13	-1.994E-13	-1727.1842
76	0.49272	SLE_dreno	Max	-2.134E-13	-1.710E-13	-1995.6854
76	0.	SLE_dreno	Min	-2.134E-13	-2.276E-13	-1456.6136
76	0.24636	SLE_dreno	Min	-2.134E-13	-1.994E-13	-1727.1842
76	0.49272	SLE_dreno	Min	-2.134E-13	-1.710E-13	-1995.6854
76	0.	SLU_dreno	Max	-2.951E-13	-9.097E-13	-1893.7304
76	0.24636	SLU_dreno	Max	-2.951E-13	-6.855E-13	-2245.5029
76	0.49272	SLU_dreno	Max	-2.951E-13	-4.609E-13	-2594.5851
76	0.	SLU_dreno	Min	-2.951E-13	-9.097E-13	-1893.7304
76	0.24636	SLU_dreno	Min	-2.951E-13	-6.855E-13	-2245.5029
76	0.49272	SLU_dreno	Min	-2.951E-13	-4.609E-13	-2594.5851
76	0.	SLV_dreno	Max	-3.395E-13	-1.996E-13	-1778.3979
76	0.24636	SLV_dreno	Max	-3.395E-13	-2.275E-13	-2073.0182
76	0.49272	SLV_dreno	Max	-3.395E-13	-2.551E-13	-2365.3104
76	0.	SLV_dreno	Min	-3.395E-13	-1.996E-13	-1778.3979
76	0.24636	SLV_dreno	Min	-3.395E-13	-2.275E-13	-2073.0182
76	0.49272	SLV_dreno	Min	-3.395E-13	-2.551E-13	-2365.3104
76	0.	SLE_calotta	Max	-1.020E-13	-2.418E-13	-1670.6996
76	0.24636	SLE_calotta	Max	-1.020E-13	-2.557E-13	-1957.1648
76	0.49272	SLE_calotta	Max	-1.020E-13	-2.693E-13	-2241.5607
76	0.	SLE_calotta	Min	-1.020E-13	-2.418E-13	-1670.6996
76	0.24636	SLE_calotta	Min	-1.020E-13	-2.557E-13	-1957.1648
76	0.49272	SLE_calotta	Min	-1.020E-13	-2.693E-13	-2241.5607
76	0.	SLU_calotta	Max	-1.385E-13	-3.278E-13	-2171.9097
76	0.24636	SLU_calotta	Max	-1.385E-13	-3.277E-13	-2544.3144
76	0.49272	SLU_calotta	Max	-1.385E-13	-3.272E-13	-2914.029
76	0.	SLU_calotta	Min	-1.385E-13	-3.278E-13	-2171.9097
76	0.24636	SLU_calotta	Min	-1.385E-13	-3.277E-13	-2544.3144
76	0.49272	SLU_calotta	Min	-1.385E-13	-3.272E-13	-2914.029
76	0.	SLV_calotta	Max	-5.049E-13	-5.707E-14	-1241.9022
76	0.24636	SLV_calotta	Max	-5.049E-13	-5.670E-14	-1426.414
76	0.49272	SLV_calotta	Max	-5.049E-13	-5.606E-14	-1608.5977
76	0.	SLV_calotta	Min	-5.049E-13	-5.707E-14	-1241.9022
76	0.24636	SLV_calotta	Min	-5.049E-13	-5.670E-14	-1426.414
76	0.49272	SLV_calotta	Min	-5.049E-13	-5.606E-14	-1608.5977
77	0.	SLE_dreno	Max	-6.401E-14	2.842E-14	-1994.8814
77	0.23676	SLE_dreno	Max	-6.401E-14	2.858E-14	-1966.2406
77	0.47352	SLE_dreno	Max	-6.401E-14	2.883E-14	-1936.8014
77	0.	SLE_dreno	Min	-6.401E-14	2.842E-14	-1994.8814
77	0.23676	SLE_dreno	Min	-6.401E-14	2.858E-14	-1966.2406
77	0.47352	SLE_dreno	Min	-6.401E-14	2.883E-14	-1936.8014
77	0.	SLU_dreno	Max	-1.138E-13	2.273E-13	-2593.5398
77	0.23676	SLU_dreno	Max	-1.138E-13	2.274E-13	-2556.3196
77	0.47352	SLU_dreno	Max	-1.138E-13	2.277E-13	-2518.0614
77	0.	SLU_dreno	Min	-1.138E-13	2.273E-13	-2593.5398
77	0.23676	SLU_dreno	Min	-1.138E-13	2.274E-13	-2556.3196
77	0.47352	SLU_dreno	Min	-1.138E-13	2.277E-13	-2518.0614
77	0.	SLV_dreno	Max	-6.777E-14	5.701E-14	-2364.4598
77	0.23676	SLV_dreno	Max	-6.777E-14	5.722E-14	-2298.9227
77	0.47352	SLV_dreno	Max	-6.777E-14	5.755E-14	-2232.4873
77	0.	SLV_dreno	Min	-6.777E-14	5.701E-14	-2364.4598
77	0.23676	SLV_dreno	Min	-6.777E-14	5.722E-14	-2298.9227
77	0.47352	SLV_dreno	Min	-6.777E-14	5.755E-14	-2232.4873
77	0.	SLE_calotta	Max	-5.157E-14	-1.991E-13	-2240.8571
77	0.23676	SLE_calotta	Max	-5.157E-14	-1.722E-13	-2158.158

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
77	0.47352	SLE_calotta	Max	-5.157E-14	-1.451E-13	-2074.6604
77	0.	SLE_calotta	Min	-5.157E-14	-1.991E-13	-2240.8571
77	0.23676	SLE_calotta	Min	-5.157E-14	-1.722E-13	-2158.158
77	0.47352	SLE_calotta	Min	-5.157E-14	-1.451E-13	-2074.6604
77	0.	SLU_calotta	Max	-7.212E-14	-2.566E-13	-2913.1144
77	0.23676	SLU_calotta	Max	-7.212E-14	-2.161E-13	-2805.6055
77	0.47352	SLU_calotta	Max	-7.212E-14	-1.754E-13	-2697.0587
77	0.	SLU_calotta	Min	-7.212E-14	-2.566E-13	-2913.1144
77	0.23676	SLU_calotta	Min	-7.212E-14	-2.161E-13	-2805.6055
77	0.47352	SLU_calotta	Min	-7.212E-14	-1.754E-13	-2697.0587
77	0.	SLV_calotta	Max	-7.117E-14	3.415E-13	-1608.0744
77	0.23676	SLV_calotta	Max	-7.117E-14	4.491E-13	-1495.1301
77	0.47352	SLV_calotta	Max	-7.117E-14	5.568E-13	-1381.2877
77	0.	SLV_calotta	Min	-7.117E-14	3.415E-13	-1608.0744
77	0.23676	SLV_calotta	Min	-7.117E-14	4.491E-13	-1495.1301
77	0.47352	SLV_calotta	Min	-7.117E-14	5.568E-13	-1381.2877
78	0.	SLE_dreno	Max	-4.979E-14	2.848E-14	-1936.8014
78	0.23676	SLE_dreno	Max	-4.979E-14	5.543E-14	-1908.1594
78	0.47352	SLE_dreno	Max	-4.979E-14	8.246E-14	-1878.8929
78	0.	SLE_dreno	Min	-4.979E-14	2.848E-14	-1936.8014
78	0.23676	SLE_dreno	Min	-4.979E-14	5.543E-14	-1908.1594
78	0.47352	SLE_dreno	Min	-4.979E-14	8.246E-14	-1878.8929
78	0.	SLU_dreno	Max	-9.955E-14	2.273E-13	-2518.0614
78	0.23676	SLU_dreno	Max	-9.955E-14	2.275E-13	-2480.8381
78	0.47352	SLU_dreno	Max	-9.955E-14	2.277E-13	-2442.8031
78	0.	SLU_dreno	Min	-9.955E-14	2.273E-13	-2518.0614
78	0.23676	SLU_dreno	Min	-9.955E-14	2.275E-13	-2480.8381
78	0.47352	SLU_dreno	Min	-9.955E-14	2.277E-13	-2442.8031
78	0.	SLV_dreno	Max	-5.173E-14	5.718E-14	-2232.4873
78	0.23676	SLV_dreno	Max	-5.173E-14	8.408E-14	-2166.4253
78	0.47352	SLV_dreno	Max	-5.173E-14	1.111E-13	-2099.6608
78	0.	SLV_dreno	Min	-5.173E-14	5.718E-14	-2232.4873
78	0.23676	SLV_dreno	Min	-5.173E-14	8.408E-14	-2166.4253
78	0.47352	SLV_dreno	Min	-5.173E-14	1.111E-13	-2099.6608
78	0.	SLE_calotta	Max	-4.889E-14	-1.423E-13	-2074.6604
78	0.23676	SLE_calotta	Max	-4.889E-14	-1.422E-13	-1996.3428
78	0.47352	SLE_calotta	Max	-4.889E-14	-1.420E-13	-1917.4007
78	0.	SLE_calotta	Min	-4.889E-14	-1.423E-13	-2074.6604
78	0.23676	SLE_calotta	Min	-4.889E-14	-1.422E-13	-1996.3428
78	0.47352	SLE_calotta	Min	-4.889E-14	-1.420E-13	-1917.4007
78	0.	SLU_calotta	Max	-5.703E-14	-1.995E-13	-2697.0587
78	0.23676	SLU_calotta	Max	-5.703E-14	-1.590E-13	-2595.2457
78	0.47352	SLU_calotta	Max	-5.703E-14	-1.184E-13	-2492.6209
78	0.	SLU_calotta	Min	-5.703E-14	-1.995E-13	-2697.0587
78	0.23676	SLU_calotta	Min	-5.703E-14	-1.590E-13	-2595.2457
78	0.47352	SLU_calotta	Min	-5.703E-14	-1.184E-13	-2492.6209
78	0.	SLV_calotta	Max	-3.561E-14	3.415E-13	-1381.2877
78	0.23676	SLV_calotta	Max	-3.561E-14	5.032E-13	-1274.007
78	0.47352	SLV_calotta	Max	-3.561E-14	6.649E-13	-1166.024
78	0.	SLV_calotta	Min	-3.561E-14	3.415E-13	-1381.2877
78	0.23676	SLV_calotta	Min	-3.561E-14	5.032E-13	-1274.007
78	0.47352	SLV_calotta	Min	-3.561E-14	6.649E-13	-1166.024
79	0.	SLE_dreno	Max	-5.512E-14	1.706E-13	-1878.8929
79	0.23676	SLE_dreno	Max	-5.512E-14	1.438E-13	-1849.9271
79	0.47352	SLE_dreno	Max	-5.512E-14	1.170E-13	-1820.4861
79	0.	SLE_dreno	Min	-5.512E-14	1.706E-13	-1878.8929
79	0.23676	SLE_dreno	Min	-5.512E-14	1.438E-13	-1849.9271
79	0.47352	SLE_dreno	Min	-5.512E-14	1.170E-13	-1820.4861
79	0.	SLU_dreno	Max	-5.690E-14	-2.272E-13	-2442.8031

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
79	0.23676	SLU_dreno	Max	-5.690E-14	-2.272E-13	-2405.1576
79	0.47352	SLU_dreno	Max	-5.690E-14	-2.272E-13	-2366.8946
79	0.	SLU_dreno	Min	-5.690E-14	-2.272E-13	-2442.8031
79	0.23676	SLU_dreno	Min	-5.690E-14	-2.272E-13	-2405.1576
79	0.47352	SLU_dreno	Min	-5.690E-14	-2.272E-13	-2366.8946
79	0.	SLV_dreno	Max	-4.989E-14	1.995E-13	-2099.6608
79	0.23676	SLV_dreno	Max	-4.989E-14	1.996E-13	-2033.5446
79	0.47352	SLV_dreno	Max	-4.989E-14	1.998E-13	-1966.8939
79	0.	SLV_dreno	Min	-4.989E-14	1.995E-13	-2099.6608
79	0.23676	SLV_dreno	Min	-4.989E-14	1.996E-13	-2033.5446
79	0.47352	SLV_dreno	Min	-4.989E-14	1.998E-13	-1966.8939
79	0.	SLE_calotta	Max	-4.489E-14	-5.694E-14	-1917.4007
79	0.23676	SLE_calotta	Max	-4.489E-14	-5.691E-14	-1843.4164
79	0.47352	SLE_calotta	Max	-4.489E-14	-5.682E-14	-1768.9571
79	0.	SLE_calotta	Min	-4.489E-14	-5.694E-14	-1917.4007
79	0.23676	SLE_calotta	Min	-4.489E-14	-5.691E-14	-1843.4164
79	0.47352	SLE_calotta	Min	-4.489E-14	-5.682E-14	-1768.9571
79	0.	SLU_calotta	Max	-5.969E-14	-1.140E-13	-2492.6209
79	0.23676	SLU_calotta	Max	-5.969E-14	-1.004E-13	-2396.4414
79	0.47352	SLU_calotta	Max	-5.969E-14	-8.682E-14	-2299.6442
79	0.	SLU_calotta	Min	-5.969E-14	-1.140E-13	-2492.6209
79	0.23676	SLU_calotta	Min	-5.969E-14	-1.004E-13	-2396.4414
79	0.47352	SLU_calotta	Min	-5.969E-14	-8.682E-14	-2299.6442
79	0.	SLV_calotta	Max	-3.200E-14	5.691E-13	-1166.024
79	0.23676	SLV_calotta	Max	-3.200E-14	5.690E-13	-1065.77
79	0.47352	SLV_calotta	Max	-3.200E-14	5.690E-13	-964.9816
79	0.	SLV_calotta	Min	-3.200E-14	5.691E-13	-1166.024
79	0.23676	SLV_calotta	Min	-3.200E-14	5.690E-13	-1065.77
79	0.47352	SLV_calotta	Min	-3.200E-14	5.690E-13	-964.9816
80	0.	SLE_dreno	Max	-4.089E-14	8.538E-14	-1820.4861
80	0.21616	SLE_dreno	Max	-4.089E-14	1.346E-13	-1793.3059
80	0.43231	SLE_dreno	Max	-4.089E-14	1.838E-13	-1765.8341
80	0.	SLE_dreno	Min	-4.089E-14	8.538E-14	-1820.4861
80	0.21616	SLE_dreno	Min	-4.089E-14	1.346E-13	-1793.3059
80	0.43231	SLE_dreno	Min	-4.089E-14	1.838E-13	-1765.8341
80	0.	SLU_dreno	Max	-8.530E-14	2.274E-13	-2366.8946
80	0.21616	SLU_dreno	Max	-8.530E-14	3.100E-14	-2331.5682
80	0.43231	SLU_dreno	Max	-8.530E-14	-1.654E-13	-2295.8628
80	0.	SLU_dreno	Min	-8.530E-14	2.274E-13	-2366.8946
80	0.21616	SLU_dreno	Min	-8.530E-14	3.100E-14	-2331.5682
80	0.43231	SLU_dreno	Min	-8.530E-14	-1.654E-13	-2295.8628
80	0.	SLV_dreno	Max	-3.030E-14	1.997E-13	-1966.8939
80	0.21616	SLV_dreno	Max	-3.030E-14	2.735E-13	-1906.6443
80	0.43231	SLV_dreno	Max	-3.030E-14	3.474E-13	-1846.0666
80	0.	SLV_dreno	Min	-3.030E-14	1.997E-13	-1966.8939
80	0.21616	SLV_dreno	Min	-3.030E-14	2.735E-13	-1906.6443
80	0.43231	SLV_dreno	Min	-3.030E-14	3.474E-13	-1846.0666
80	0.	SLE_calotta	Max	-4.089E-14	-9.955E-14	-1768.9571
80	0.21616	SLE_calotta	Max	-4.089E-14	-6.262E-14	-1705.0007
80	0.43231	SLE_calotta	Max	-4.089E-14	-2.566E-14	-1640.7527
80	0.	SLE_calotta	Min	-4.089E-14	-9.955E-14	-1768.9571
80	0.21616	SLE_calotta	Min	-4.089E-14	-6.262E-14	-1705.0007
80	0.43231	SLE_calotta	Min	-4.089E-14	-2.566E-14	-1640.7527
80	0.	SLU_calotta	Max	-4.989E-14	-9.973E-14	-2299.6442
80	0.21616	SLU_calotta	Max	-4.989E-14	-6.277E-14	-2216.5009
80	0.43231	SLU_calotta	Max	-4.989E-14	-2.577E-14	-2132.9785
80	0.	SLU_calotta	Min	-4.989E-14	-9.973E-14	-2299.6442
80	0.21616	SLU_calotta	Min	-4.989E-14	-6.277E-14	-2216.5009
80	0.43231	SLU_calotta	Min	-4.989E-14	-2.577E-14	-2132.9785

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
80	0.	SLV_calotta	Max	-1.245E-14	7.397E-13	-964.9816
80	0.21616	SLV_calotta	Max	-1.245E-14	7.399E-13	-880.3367
80	0.43231	SLV_calotta	Max	-1.245E-14	7.400E-13	-795.3637
80	0.	SLV_calotta	Min	-1.245E-14	7.397E-13	-964.9816
80	0.21616	SLV_calotta	Min	-1.245E-14	7.399E-13	-880.3367
80	0.43231	SLV_calotta	Min	-1.245E-14	7.400E-13	-795.3637
81	0.	SLE_dreno	Max	-2.134E-14	1.139E-13	-1765.8341
81	0.21616	SLE_dreno	Max	-2.134E-14	1.631E-13	-1737.5811
81	0.43231	SLE_dreno	Max	-2.134E-14	2.123E-13	-1709.1269
81	0.	SLE_dreno	Min	-2.134E-14	1.139E-13	-1765.8341
81	0.21616	SLE_dreno	Min	-2.134E-14	1.631E-13	-1737.5811
81	0.43231	SLE_dreno	Min	-2.134E-14	2.123E-13	-1709.1269
81	0.	SLU_dreno	Max	-7.108E-14	4.549E-13	-2295.8628
81	0.21616	SLU_dreno	Max	-7.108E-14	4.550E-13	-2259.1404
81	0.43231	SLU_dreno	Max	-7.108E-14	4.552E-13	-2222.1565
81	0.	SLU_dreno	Min	-7.108E-14	4.549E-13	-2295.8628
81	0.21616	SLU_dreno	Min	-7.108E-14	4.550E-13	-2259.1404
81	0.43231	SLU_dreno	Min	-7.108E-14	4.552E-13	-2222.1565
81	0.	SLV_dreno	Max	-5.339E-15	3.418E-13	-1846.0666
81	0.21616	SLV_dreno	Max	-5.339E-15	3.418E-13	-1786.1832
81	0.43231	SLV_dreno	Max	-5.339E-15	3.418E-13	-1726.0734
81	0.	SLV_dreno	Min	-5.339E-15	3.418E-13	-1846.0666
81	0.21616	SLV_dreno	Min	-5.339E-15	3.418E-13	-1786.1832
81	0.43231	SLV_dreno	Min	-5.339E-15	3.418E-13	-1726.0734
81	0.	SLE_calotta	Max	-3.200E-14	-1.418E-14	-1640.7527
81	0.21616	SLE_calotta	Max	-3.200E-14	-1.884E-15	-1579.9632
81	0.43231	SLE_calotta	Max	-3.200E-14	1.044E-14	-1518.9726
81	0.	SLE_calotta	Min	-3.200E-14	-1.418E-14	-1640.7527
81	0.21616	SLE_calotta	Min	-3.200E-14	-1.884E-15	-1579.9632
81	0.43231	SLE_calotta	Min	-3.200E-14	1.044E-14	-1518.9726
81	0.	SLU_calotta	Max	-4.364E-14	-2.853E-14	-2132.9785
81	0.21616	SLU_calotta	Max	-4.364E-14	-3.943E-15	-2053.9522
81	0.43231	SLU_calotta	Max	-4.364E-14	2.068E-14	-1974.6644
81	0.	SLU_calotta	Min	-4.364E-14	-2.853E-14	-2132.9785
81	0.21616	SLU_calotta	Min	-4.364E-14	-3.943E-15	-2053.9522
81	0.43231	SLU_calotta	Min	-4.364E-14	2.068E-14	-1974.6644
81	0.	SLV_calotta	Max	3.556E-14	7.400E-13	-795.3637
81	0.21616	SLV_calotta	Max	3.556E-14	7.890E-13	-717.7151
81	0.43231	SLV_calotta	Max	3.556E-14	8.381E-13	-639.8402
81	0.	SLV_calotta	Min	3.556E-14	7.400E-13	-795.3637
81	0.21616	SLV_calotta	Min	3.556E-14	7.890E-13	-717.7151
81	0.43231	SLV_calotta	Min	3.556E-14	8.381E-13	-639.8402
82	0.	SLE_dreno	Max	-2.668E-15	2.277E-13	-1709.1269
82	0.21616	SLE_dreno	Max	-2.668E-15	2.031E-13	-1679.3086
82	0.43231	SLE_dreno	Max	-2.668E-15	1.785E-13	-1649.3716
82	0.	SLE_dreno	Min	-2.668E-15	2.277E-13	-1709.1269
82	0.21616	SLE_dreno	Min	-2.668E-15	2.031E-13	-1679.3086
82	0.43231	SLE_dreno	Min	-2.668E-15	1.785E-13	-1649.3716
82	0.	SLU_dreno	Max	-2.843E-14	4.551E-13	-2222.1565
82	0.21616	SLU_dreno	Max	-2.843E-14	4.551E-13	-2183.3976
82	0.43231	SLU_dreno	Max	-2.843E-14	4.551E-13	-2144.4847
82	0.	SLU_dreno	Min	-2.843E-14	4.551E-13	-2222.1565
82	0.21616	SLU_dreno	Min	-2.843E-14	4.551E-13	-2183.3976
82	0.43231	SLU_dreno	Min	-2.843E-14	4.551E-13	-2144.4847
82	0.	SLV_dreno	Max	1.782E-14	3.421E-13	-1726.0734
82	0.21616	SLV_dreno	Max	1.782E-14	3.421E-13	-1666.6281
82	0.43231	SLV_dreno	Max	1.782E-14	3.422E-13	-1607.0494
82	0.	SLV_dreno	Min	1.782E-14	3.421E-13	-1726.0734
82	0.21616	SLV_dreno	Min	1.782E-14	3.421E-13	-1666.6281

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
82	0.43231	SLV_dreno	Min	1.782E-14	3.422E-13	-1607.0494
82	0.	SLE_calotta	Max	-2.400E-14	-2.776E-17	-1518.9726
82	0.21616	SLE_calotta	Max	-2.400E-14	3.505E-18	-1460.9876
82	0.43231	SLE_calotta	Max	-2.400E-14	4.929E-17	-1402.8839
82	0.	SLE_calotta	Min	-2.400E-14	-2.776E-17	-1518.9726
82	0.21616	SLE_calotta	Min	-2.400E-14	3.505E-18	-1460.9876
82	0.43231	SLE_calotta	Min	-2.400E-14	4.929E-17	-1402.8839
82	0.	SLU_calotta	Max	-3.296E-14	5.551E-17	-1974.6644
82	0.21616	SLU_calotta	Max	-3.296E-14	4.095E-17	-1899.2838
82	0.43231	SLU_calotta	Max	-3.296E-14	4.528E-17	-1823.7491
82	0.	SLU_calotta	Min	-3.296E-14	5.551E-17	-1974.6644
82	0.21616	SLU_calotta	Min	-3.296E-14	4.095E-17	-1899.2838
82	0.43231	SLU_calotta	Min	-3.296E-14	4.528E-17	-1823.7491
82	0.	SLV_calotta	Max	7.111E-14	7.396E-13	-639.8402
82	0.21616	SLV_calotta	Max	7.111E-14	7.396E-13	-569.2922
82	0.43231	SLV_calotta	Max	7.111E-14	7.397E-13	-498.6108
82	0.	SLV_calotta	Min	7.111E-14	7.396E-13	-639.8402
82	0.21616	SLV_calotta	Min	7.111E-14	7.396E-13	-569.2922
82	0.43231	SLV_calotta	Min	7.111E-14	7.397E-13	-498.6108
83	0.	SLE_dreno	Max	1.511E-14	2.276E-13	-1649.3716
83	0.21616	SLE_dreno	Max	1.511E-14	3.260E-13	-1617.3882
83	0.43231	SLE_dreno	Max	1.511E-14	4.243E-13	-1585.3655
83	0.	SLE_dreno	Min	1.511E-14	2.276E-13	-1649.3716
83	0.21616	SLE_dreno	Min	1.511E-14	3.260E-13	-1617.3882
83	0.43231	SLE_dreno	Min	1.511E-14	4.243E-13	-1585.3655
83	0.	SLU_dreno	Max	2.082E-17	1.110E-16	-2144.4847
83	0.21616	SLU_dreno	Max	2.082E-17	2.581E-16	-2102.9098
83	0.43231	SLU_dreno	Max	2.082E-17	4.115E-16	-2061.2838
83	0.	SLU_dreno	Min	2.082E-17	1.110E-16	-2144.4847
83	0.21616	SLU_dreno	Min	2.082E-17	2.581E-16	-2102.9098
83	0.43231	SLU_dreno	Min	2.082E-17	4.115E-16	-2061.2838
83	0.	SLV_dreno	Max	4.276E-14	3.991E-13	-1607.0494
83	0.21616	SLV_dreno	Max	4.276E-14	4.730E-13	-1547.9779
83	0.43231	SLV_dreno	Max	4.276E-14	5.470E-13	-1488.8622
83	0.	SLV_dreno	Min	4.276E-14	3.991E-13	-1607.0494
83	0.21616	SLV_dreno	Min	4.276E-14	4.730E-13	-1547.9779
83	0.43231	SLV_dreno	Min	4.276E-14	5.470E-13	-1488.8622
83	0.	SLE_calotta	Max	-1.511E-14	4.266E-14	-1402.8839
83	0.21616	SLE_calotta	Max	-1.511E-14	9.186E-14	-1347.2615
83	0.43231	SLE_calotta	Max	-1.511E-14	1.411E-13	-1291.5997
83	0.	SLE_calotta	Min	-1.511E-14	4.266E-14	-1402.8839
83	0.21616	SLE_calotta	Min	-1.511E-14	9.186E-14	-1347.2615
83	0.43231	SLE_calotta	Min	-1.511E-14	1.411E-13	-1291.5997
83	0.	SLU_calotta	Max	-1.960E-14	5.698E-14	-1823.7491
83	0.21616	SLU_calotta	Max	-1.960E-14	9.394E-14	-1751.4399
83	0.43231	SLU_calotta	Max	-1.960E-14	1.309E-13	-1679.0796
83	0.	SLU_calotta	Min	-1.960E-14	5.698E-14	-1823.7491
83	0.21616	SLU_calotta	Min	-1.960E-14	9.394E-14	-1751.4399
83	0.43231	SLU_calotta	Min	-1.960E-14	1.309E-13	-1679.0796
83	0.	SLV_calotta	Max	1.067E-13	9.103E-13	-498.6108
83	0.21616	SLV_calotta	Max	1.067E-13	1.009E-12	-435.0196
83	0.43231	SLV_calotta	Max	1.067E-13	1.107E-12	-371.3842
83	0.	SLV_calotta	Min	1.067E-13	9.103E-13	-498.6108
83	0.21616	SLV_calotta	Min	1.067E-13	1.009E-12	-435.0196
83	0.43231	SLV_calotta	Min	1.067E-13	1.107E-12	-371.3842
84	0.	SLE_dreno	Max	3.201E-14	6.258E-13	-1585.3655
84	0.24992	SLE_dreno	Max	3.201E-14	6.542E-13	-1550.6738
84	0.49985	SLE_dreno	Max	3.201E-14	6.827E-13	-1516.0094
84	0.	SLE_dreno	Min	3.201E-14	6.258E-13	-1585.3655

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
84	0.24992	SLE_dreno	Min	3.201E-14	6.542E-13	-1550.6738
84	0.49985	SLE_dreno	Min	3.201E-14	6.827E-13	-1516.0094
84	0.	SLU_dreno	Max	1.425E-14	4.555E-13	-2061.2838
84	0.24992	SLU_dreno	Max	1.425E-14	4.555E-13	-2016.1874
84	0.49985	SLU_dreno	Max	1.425E-14	4.555E-13	-1971.1263
84	0.	SLU_dreno	Min	1.425E-14	4.555E-13	-2061.2838
84	0.24992	SLU_dreno	Min	1.425E-14	4.555E-13	-2016.1874
84	0.49985	SLU_dreno	Min	1.425E-14	4.555E-13	-1971.1263
84	0.	SLV_dreno	Max	6.147E-14	6.842E-13	-1488.8622
84	0.24992	SLV_dreno	Max	6.147E-14	7.697E-13	-1427.1716
84	0.49985	SLV_dreno	Max	6.147E-14	8.552E-13	-1365.5116
84	0.	SLV_dreno	Min	6.147E-14	6.842E-13	-1488.8622
84	0.24992	SLV_dreno	Min	6.147E-14	7.697E-13	-1427.1716
84	0.49985	SLV_dreno	Min	6.147E-14	8.552E-13	-1365.5116
84	0.	SLE_calotta	Max	-8.890E-15	2.418E-13	-1291.5997
84	0.24992	SLE_calotta	Max	-8.890E-15	2.845E-13	-1234.9101
84	0.49985	SLE_calotta	Max	-8.890E-15	3.271E-13	-1178.2476
84	0.	SLE_calotta	Min	-8.890E-15	2.418E-13	-1291.5997
84	0.24992	SLE_calotta	Min	-8.890E-15	2.845E-13	-1234.9101
84	0.49985	SLE_calotta	Min	-8.890E-15	3.271E-13	-1178.2476
84	0.	SLU_calotta	Max	-1.025E-14	3.278E-13	-1679.0796
84	0.24992	SLU_calotta	Max	-1.025E-14	3.563E-13	-1605.383
84	0.49985	SLU_calotta	Max	-1.025E-14	3.849E-13	-1531.7219
84	0.	SLU_calotta	Min	-1.025E-14	3.278E-13	-1679.0796
84	0.24992	SLU_calotta	Min	-1.025E-14	3.563E-13	-1605.383
84	0.49985	SLU_calotta	Min	-1.025E-14	3.849E-13	-1531.7219
84	0.	SLV_calotta	Max	1.422E-13	1.138E-12	-371.3842
84	0.24992	SLV_calotta	Max	1.422E-13	1.138E-12	-311.8827
84	0.49985	SLV_calotta	Max	1.422E-13	1.138E-12	-252.4118
84	0.	SLV_calotta	Min	1.422E-13	1.138E-12	-371.3842
84	0.24992	SLV_calotta	Min	1.422E-13	1.138E-12	-311.8827
84	0.49985	SLV_calotta	Min	1.422E-13	1.138E-12	-252.4118
85	0.	SLE_dreno	Max	4.889E-14	7.112E-13	-1516.0094
85	0.24992	SLE_dreno	Max	4.889E-14	7.396E-13	-1488.2786
85	0.49985	SLE_dreno	Max	4.889E-14	7.681E-13	-1460.6315
85	0.	SLE_dreno	Min	4.889E-14	7.112E-13	-1516.0094
85	0.24992	SLE_dreno	Min	4.889E-14	7.396E-13	-1488.2786
85	0.49985	SLE_dreno	Min	4.889E-14	7.681E-13	-1460.6315
85	0.	SLU_dreno	Max	4.270E-14	9.103E-13	-1971.1263
85	0.24992	SLU_dreno	Max	4.270E-14	1.138E-12	-1935.0781
85	0.49985	SLU_dreno	Max	4.270E-14	1.365E-12	-1899.1386
85	0.	SLU_dreno	Min	4.270E-14	9.103E-13	-1971.1263
85	0.24992	SLU_dreno	Min	4.270E-14	1.138E-12	-1935.0781
85	0.49985	SLU_dreno	Min	4.270E-14	1.365E-12	-1899.1386
85	0.	SLV_dreno	Max	8.017E-14	8.268E-13	-1365.5116
85	0.24992	SLV_dreno	Max	8.017E-14	8.837E-13	-1316.1602
85	0.49985	SLV_dreno	Max	8.017E-14	9.405E-13	-1266.9029
85	0.	SLV_dreno	Min	8.017E-14	8.268E-13	-1365.5116
85	0.24992	SLV_dreno	Min	8.017E-14	8.837E-13	-1316.1602
85	0.49985	SLV_dreno	Min	8.017E-14	9.405E-13	-1266.9029
85	0.	SLE_calotta	Max	-8.890E-16	3.271E-13	-1178.2476
85	0.24992	SLE_calotta	Max	-8.890E-16	3.271E-13	-1133.7289
85	0.49985	SLE_calotta	Max	-8.890E-16	3.271E-13	-1089.2938
85	0.	SLE_calotta	Min	-8.890E-16	3.271E-13	-1178.2476
85	0.24992	SLE_calotta	Min	-8.890E-16	3.271E-13	-1133.7289
85	0.49985	SLE_calotta	Min	-8.890E-16	3.271E-13	-1089.2938
85	0.	SLU_calotta	Max	-1.784E-15	3.991E-13	-1531.7219
85	0.24992	SLU_calotta	Max	-1.784E-15	4.276E-13	-1473.8475
85	0.49985	SLU_calotta	Max	-1.784E-15	4.560E-13	-1416.0818

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
85	0.	SLU_calotta	Min	-1.784E-15	3.991E-13	-1531.7219
85	0.24992	SLU_calotta	Min	-1.784E-15	4.276E-13	-1473.8475
85	0.49985	SLU_calotta	Min	-1.784E-15	4.560E-13	-1416.0818
85	0.	SLV_calotta	Max	1.725E-13	1.366E-12	-252.4118
85	0.24992	SLV_calotta	Max	1.725E-13	1.366E-12	-212.3099
85	0.49985	SLV_calotta	Max	1.725E-13	1.366E-12	-172.302
85	0.	SLV_calotta	Min	1.725E-13	1.366E-12	-252.4118
85	0.24992	SLV_calotta	Min	1.725E-13	1.366E-12	-212.3099
85	0.49985	SLV_calotta	Min	1.725E-13	1.366E-12	-172.302
86	0.	SLE_dreno	Max	6.401E-14	7.681E-13	-1460.6315
86	0.24992	SLE_dreno	Max	6.401E-14	7.681E-13	-1439.224
86	0.49985	SLE_dreno	Max	6.401E-14	7.680E-13	-1417.9618
86	0.	SLE_dreno	Min	6.401E-14	7.681E-13	-1460.6315
86	0.24992	SLE_dreno	Min	6.401E-14	7.681E-13	-1439.224
86	0.49985	SLE_dreno	Min	6.401E-14	7.680E-13	-1417.9618
86	0.	SLU_dreno	Max	5.693E-14	9.105E-13	-1899.1386
86	0.24992	SLU_dreno	Max	5.693E-14	6.832E-13	-1871.3095
86	0.49985	SLU_dreno	Max	5.693E-14	4.558E-13	-1843.6694
86	0.	SLU_dreno	Min	5.693E-14	9.105E-13	-1899.1386
86	0.24992	SLU_dreno	Min	5.693E-14	6.832E-13	-1871.3095
86	0.49985	SLU_dreno	Min	5.693E-14	4.558E-13	-1843.6694
86	0.	SLV_dreno	Max	1.015E-13	9.122E-13	-1266.9029
86	0.24992	SLV_dreno	Max	1.015E-13	8.838E-13	-1229.1288
86	0.49985	SLV_dreno	Max	1.015E-13	8.554E-13	-1191.5182
86	0.	SLV_dreno	Min	1.015E-13	9.122E-13	-1266.9029
86	0.24992	SLV_dreno	Min	1.015E-13	8.838E-13	-1229.1288
86	0.49985	SLV_dreno	Min	1.015E-13	8.554E-13	-1191.5182
86	0.	SLE_calotta	Max	6.667E-15	3.414E-13	-1089.2938
86	0.24992	SLE_calotta	Max	6.667E-15	3.414E-13	-1056.0386
86	0.49985	SLE_calotta	Max	6.667E-15	3.414E-13	-1022.9287
86	0.	SLE_calotta	Min	6.667E-15	3.414E-13	-1089.2938
86	0.24992	SLE_calotta	Min	6.667E-15	3.414E-13	-1056.0386
86	0.49985	SLE_calotta	Min	6.667E-15	3.414E-13	-1022.9287
86	0.	SLU_calotta	Max	6.239E-15	4.418E-13	-1416.0818
86	0.24992	SLU_calotta	Max	6.239E-15	4.418E-13	-1372.85
86	0.49985	SLU_calotta	Max	6.239E-15	4.418E-13	-1329.8071
86	0.	SLU_calotta	Min	6.239E-15	4.418E-13	-1416.0818
86	0.24992	SLU_calotta	Min	6.239E-15	4.418E-13	-1372.85
86	0.49985	SLU_calotta	Min	6.239E-15	4.418E-13	-1329.8071
86	0.	SLV_calotta	Max	2.027E-13	1.365E-12	-172.302
86	0.24992	SLV_calotta	Max	2.027E-13	1.365E-12	-150.4494
86	0.49985	SLV_calotta	Max	2.027E-13	1.365E-12	-128.7603
86	0.	SLV_calotta	Min	2.027E-13	1.365E-12	-172.302
86	0.24992	SLV_calotta	Min	2.027E-13	1.365E-12	-150.4494
86	0.49985	SLV_calotta	Min	2.027E-13	1.365E-12	-128.7603
87	0.	SLE_dreno	Max	7.823E-14	7.113E-13	-1417.9618
87	0.24992	SLE_dreno	Max	7.823E-14	6.543E-13	-1402.4262
87	0.49985	SLE_dreno	Max	7.823E-14	5.974E-13	-1387.1059
87	0.	SLE_dreno	Min	7.823E-14	7.113E-13	-1417.9618
87	0.24992	SLE_dreno	Min	7.823E-14	6.543E-13	-1402.4262
87	0.49985	SLE_dreno	Min	7.823E-14	5.974E-13	-1387.1059
87	0.	SLU_dreno	Max	8.536E-14	9.103E-13	-1843.6694
87	0.24992	SLU_dreno	Max	8.536E-14	6.830E-13	-1823.4728
87	0.49985	SLU_dreno	Max	8.536E-14	4.556E-13	-1803.5562
87	0.	SLU_dreno	Min	8.536E-14	9.103E-13	-1843.6694
87	0.24992	SLU_dreno	Min	8.536E-14	6.830E-13	-1823.4728
87	0.49985	SLU_dreno	Min	8.536E-14	4.556E-13	-1803.5562
87	0.	SLV_dreno	Max	1.123E-13	8.551E-13	-1191.5182
87	0.24992	SLV_dreno	Max	1.123E-13	7.412E-13	-1164.5898



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
87	0.49985	SLV_dreno	Max	1.123E-13	6.273E-13	-1137.9037
87	0.	SLV_dreno	Min	1.123E-13	8.551E-13	-1191.5182
87	0.24992	SLV_dreno	Min	1.123E-13	7.412E-13	-1164.5898
87	0.49985	SLV_dreno	Min	1.123E-13	6.273E-13	-1137.9037
87	0.	SLE_calotta	Max	1.067E-14	3.271E-13	-1022.9287
87	0.24992	SLE_calotta	Max	1.067E-14	2.845E-13	-1000.1528
87	0.49985	SLE_calotta	Max	1.067E-14	2.418E-13	-977.5923
87	0.	SLE_calotta	Min	1.067E-14	3.271E-13	-1022.9287
87	0.24992	SLE_calotta	Min	1.067E-14	2.845E-13	-1000.1528
87	0.49985	SLE_calotta	Min	1.067E-14	2.418E-13	-977.5923
87	0.	SLU_calotta	Max	1.425E-14	4.275E-13	-1329.8071
87	0.24992	SLU_calotta	Max	1.425E-14	3.990E-13	-1300.1985
87	0.49985	SLU_calotta	Max	1.425E-14	3.705E-13	-1270.8698
87	0.	SLU_calotta	Min	1.425E-14	4.275E-13	-1329.8071
87	0.24992	SLU_calotta	Min	1.425E-14	3.990E-13	-1300.1985
87	0.49985	SLU_calotta	Min	1.425E-14	3.705E-13	-1270.8698
87	0.	SLV_calotta	Max	2.276E-13	1.422E-12	-128.7603
87	0.24992	SLV_calotta	Max	2.276E-13	1.195E-12	-124.0205
87	0.49985	SLV_calotta	Max	2.276E-13	9.670E-13	-119.5228
87	0.	SLV_calotta	Min	2.276E-13	1.422E-12	-128.7603
87	0.24992	SLV_calotta	Min	2.276E-13	1.195E-12	-124.0205
87	0.49985	SLV_calotta	Min	2.276E-13	9.670E-13	-119.5228
88	0.	SLE_dreno	Max	9.068E-14	5.690E-13	-1387.1059
88	0.24992	SLE_dreno	Max	9.068E-14	4.837E-13	-1377.0296
88	0.49985	SLE_dreno	Max	9.068E-14	3.984E-13	-1367.2498
88	0.	SLE_dreno	Min	9.068E-14	5.690E-13	-1387.1059
88	0.24992	SLE_dreno	Min	9.068E-14	4.837E-13	-1377.0296
88	0.49985	SLE_dreno	Min	9.068E-14	3.984E-13	-1367.2498
88	0.	SLU_dreno	Max	9.959E-14	2.280E-13	-1803.5562
88	0.24992	SLU_dreno	Max	9.959E-14	2.279E-13	-1790.4558
88	0.49985	SLU_dreno	Max	9.959E-14	2.278E-13	-1777.741
88	0.	SLU_dreno	Min	9.959E-14	2.280E-13	-1803.5562
88	0.24992	SLU_dreno	Min	9.959E-14	2.279E-13	-1790.4558
88	0.49985	SLU_dreno	Min	9.959E-14	2.278E-13	-1777.741
88	0.	SLV_dreno	Max	1.301E-13	5.987E-13	-1137.9037
88	0.24992	SLV_dreno	Max	1.301E-13	5.699E-13	-1121.1272
88	0.49985	SLV_dreno	Max	1.301E-13	5.411E-13	-1104.6845
88	0.	SLV_dreno	Min	1.301E-13	5.987E-13	-1137.9037
88	0.24992	SLV_dreno	Min	1.301E-13	5.699E-13	-1121.1272
88	0.49985	SLV_dreno	Min	1.301E-13	5.411E-13	-1104.6845
88	0.	SLE_calotta	Max	1.734E-14	2.703E-13	-977.5923
88	0.24992	SLE_calotta	Max	1.734E-14	2.418E-13	-964.5921
88	0.49985	SLE_calotta	Max	1.734E-14	2.134E-13	-951.8886
88	0.	SLE_calotta	Min	1.734E-14	2.703E-13	-977.5923
88	0.24992	SLE_calotta	Min	1.734E-14	2.418E-13	-964.5921
88	0.49985	SLE_calotta	Min	1.734E-14	2.134E-13	-951.8886
88	0.	SLU_calotta	Max	1.961E-14	3.562E-13	-1270.8698
88	0.24992	SLU_calotta	Max	1.961E-14	2.993E-13	-1253.9696
88	0.49985	SLU_calotta	Max	1.961E-14	2.423E-13	-1237.4551
88	0.	SLU_calotta	Min	1.961E-14	3.562E-13	-1270.8698
88	0.24992	SLU_calotta	Min	1.961E-14	2.993E-13	-1253.9696
88	0.49985	SLU_calotta	Min	1.961E-14	2.423E-13	-1237.4551
88	0.	SLV_calotta	Max	2.489E-13	9.103E-13	-119.5228
88	0.24992	SLV_calotta	Max	2.489E-13	9.671E-13	-130.7827
88	0.49985	SLV_calotta	Max	2.489E-13	1.024E-12	-142.3762
88	0.	SLV_calotta	Min	2.489E-13	9.103E-13	-119.5228
88	0.24992	SLV_calotta	Min	2.489E-13	9.671E-13	-130.7827
88	0.49985	SLV_calotta	Min	2.489E-13	1.024E-12	-142.3762
89	0.	SLE_dreno	Max	9.958E-14	4.268E-13	-1367.2498

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
89	0.24992	SLE_dreno	Max	9.958E-14	3.983E-13	-1362.2642
89	0.49985	SLE_dreno	Max	9.958E-14	3.698E-13	-1357.6709
89	0.	SLE_dreno	Min	9.958E-14	4.268E-13	-1367.2498
89	0.24992	SLE_dreno	Min	9.958E-14	3.983E-13	-1362.2642
89	0.49985	SLE_dreno	Min	9.958E-14	3.698E-13	-1357.6709
89	0.	SLU_dreno	Max	1.138E-13	4.552E-13	-1777.741
89	0.24992	SLU_dreno	Max	1.138E-13	4.552E-13	-1771.2578
89	0.49985	SLU_dreno	Max	1.138E-13	4.551E-13	-1765.2847
89	0.	SLU_dreno	Min	1.138E-13	4.552E-13	-1777.741
89	0.24992	SLU_dreno	Min	1.138E-13	4.552E-13	-1771.2578
89	0.49985	SLU_dreno	Min	1.138E-13	4.551E-13	-1765.2847
89	0.	SLV_dreno	Max	1.443E-13	5.134E-13	-1104.6845
89	0.24992	SLV_dreno	Max	1.443E-13	4.846E-13	-1097.4108
89	0.49985	SLV_dreno	Max	1.443E-13	4.558E-13	-1090.5784
89	0.	SLV_dreno	Min	1.443E-13	5.134E-13	-1104.6845
89	0.24992	SLV_dreno	Min	1.443E-13	4.846E-13	-1097.4108
89	0.49985	SLV_dreno	Min	1.443E-13	4.558E-13	-1090.5784
89	0.	SLE_calotta	Max	2.578E-14	2.276E-13	-951.8886
89	0.24992	SLE_calotta	Max	2.578E-14	2.134E-13	-947.996
89	0.49985	SLE_calotta	Max	2.578E-14	1.992E-13	-944.4956
89	0.	SLE_calotta	Min	2.578E-14	2.276E-13	-951.8886
89	0.24992	SLE_calotta	Min	2.578E-14	2.134E-13	-947.996
89	0.49985	SLE_calotta	Min	2.578E-14	1.992E-13	-944.4956
89	0.	SLU_calotta	Max	3.118E-14	2.851E-13	-1237.4551
89	0.24992	SLU_calotta	Max	3.118E-14	2.281E-13	-1232.3946
89	0.49985	SLU_calotta	Max	3.118E-14	1.711E-13	-1227.8441
89	0.	SLU_calotta	Min	3.118E-14	2.851E-13	-1237.4551
89	0.24992	SLU_calotta	Min	3.118E-14	2.281E-13	-1232.3946
89	0.49985	SLU_calotta	Min	3.118E-14	1.711E-13	-1227.8441
89	0.	SLV_calotta	Max	2.738E-13	8.534E-13	-142.3762
89	0.24992	SLV_calotta	Max	2.738E-13	6.829E-13	-168.5566
89	0.49985	SLV_calotta	Max	2.738E-13	5.125E-13	-195.1783
89	0.	SLV_calotta	Min	2.738E-13	8.534E-13	-142.3762
89	0.24992	SLV_calotta	Min	2.738E-13	6.829E-13	-168.5566
89	0.49985	SLV_calotta	Min	2.738E-13	5.125E-13	-195.1783
90	0.	SLE_dreno	Max	1.156E-13	3.698E-13	-1357.6709
90	0.24992	SLE_dreno	Max	1.156E-13	3.129E-13	-1357.4572
90	0.49985	SLE_dreno	Max	1.156E-13	2.560E-13	-1357.7488
90	0.	SLE_dreno	Min	1.156E-13	3.698E-13	-1357.6709
90	0.24992	SLE_dreno	Min	1.156E-13	3.129E-13	-1357.4572
90	0.49985	SLE_dreno	Min	1.156E-13	2.560E-13	-1357.7488
90	0.	SLU_dreno	Max	1.422E-13	2.279E-13	-1765.2847
90	0.24992	SLU_dreno	Max	1.422E-13	6.824E-13	-1765.0044
90	0.49985	SLU_dreno	Max	1.422E-13	1.137E-12	-1765.381
90	0.	SLU_dreno	Min	1.422E-13	2.279E-13	-1765.2847
90	0.24992	SLU_dreno	Min	1.422E-13	6.824E-13	-1765.0044
90	0.49985	SLU_dreno	Min	1.422E-13	1.137E-12	-1765.381
90	0.	SLV_dreno	Max	1.621E-13	4.560E-13	-1090.5784
90	0.24992	SLV_dreno	Max	1.621E-13	3.993E-13	-1092.2103
90	0.49985	SLV_dreno	Max	1.621E-13	3.425E-13	-1094.4107
90	0.	SLV_dreno	Min	1.621E-13	4.560E-13	-1090.5784
90	0.24992	SLV_dreno	Min	1.621E-13	3.993E-13	-1092.2103
90	0.49985	SLV_dreno	Min	1.621E-13	3.425E-13	-1094.4107
90	0.	SLE_calotta	Max	2.578E-14	1.707E-13	-944.4956
90	0.24992	SLE_calotta	Max	2.578E-14	1.565E-13	-949.0854
90	0.49985	SLE_calotta	Max	2.578E-14	1.423E-13	-954.1806
90	0.	SLE_calotta	Min	2.578E-14	1.707E-13	-944.4956
90	0.24992	SLE_calotta	Min	2.578E-14	1.565E-13	-949.0854
90	0.49985	SLE_calotta	Min	2.578E-14	1.423E-13	-954.1806

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
90	0.	SLU_calotta	Max	3.651E-14	1.995E-13	-1227.8441
90	0.24992	SLU_calotta	Max	3.651E-14	1.995E-13	-1233.8109
90	0.49985	SLU_calotta	Max	3.651E-14	1.995E-13	-1240.4345
90	0.	SLU_calotta	Min	3.651E-14	1.995E-13	-1227.8441
90	0.24992	SLU_calotta	Min	3.651E-14	1.995E-13	-1233.8109
90	0.49985	SLU_calotta	Min	3.651E-14	1.995E-13	-1240.4345
90	0.	SLV_calotta	Max	2.951E-13	6.259E-13	-195.1783
90	0.24992	SLV_calotta	Max	2.951E-13	5.123E-13	-235.2442
90	0.49985	SLV_calotta	Max	2.951E-13	3.986E-13	-275.8785
90	0.	SLV_calotta	Min	2.951E-13	6.259E-13	-195.1783
90	0.24992	SLV_calotta	Min	2.951E-13	5.123E-13	-235.2442
90	0.49985	SLV_calotta	Min	2.951E-13	3.986E-13	-275.8785
91	0.	SLE_dreno	Max	1.067E-13	2.561E-13	-1357.7488
91	0.24992	SLE_dreno	Max	1.067E-13	2.561E-13	-1362.0415
91	0.49985	SLE_dreno	Max	1.067E-13	2.561E-13	-1366.9702
91	0.	SLE_dreno	Min	1.067E-13	2.561E-13	-1357.7488
91	0.24992	SLE_dreno	Min	1.067E-13	2.561E-13	-1362.0415
91	0.49985	SLE_dreno	Min	1.067E-13	2.561E-13	-1366.9702
91	0.	SLU_dreno	Max	1.423E-13	9.098E-13	-1765.381
91	0.24992	SLU_dreno	Max	1.423E-13	9.098E-13	-1770.9585
91	0.49985	SLU_dreno	Max	1.423E-13	9.099E-13	-1777.3628
91	0.	SLU_dreno	Min	1.423E-13	9.098E-13	-1765.381
91	0.24992	SLU_dreno	Min	1.423E-13	9.098E-13	-1770.9585
91	0.49985	SLU_dreno	Min	1.423E-13	9.099E-13	-1777.3628
91	0.	SLV_dreno	Max	1.532E-13	3.418E-13	-1094.4107
91	0.24992	SLV_dreno	Max	1.532E-13	3.134E-13	-1104.4084
91	0.49985	SLV_dreno	Max	1.532E-13	2.851E-13	-1115.1216
91	0.	SLV_dreno	Min	1.532E-13	3.418E-13	-1094.4107
91	0.24992	SLV_dreno	Min	1.532E-13	3.134E-13	-1104.4084
91	0.49985	SLV_dreno	Min	1.532E-13	2.851E-13	-1115.1216
91	0.	SLE_calotta	Max	2.312E-14	1.137E-13	-954.1806
91	0.24992	SLE_calotta	Max	2.312E-14	1.137E-13	-966.6773
91	0.49985	SLE_calotta	Max	2.312E-14	1.137E-13	-979.8101
91	0.	SLE_calotta	Min	2.312E-14	1.137E-13	-954.1806
91	0.24992	SLE_calotta	Min	2.312E-14	1.137E-13	-966.6773
91	0.49985	SLE_calotta	Min	2.312E-14	1.137E-13	-979.8101
91	0.	SLU_calotta	Max	3.384E-14	1.283E-13	-1240.4345
91	0.24992	SLU_calotta	Max	3.384E-14	1.141E-13	-1256.6803
91	0.49985	SLU_calotta	Max	3.384E-14	9.985E-14	-1273.7529
91	0.	SLU_calotta	Min	3.384E-14	1.283E-13	-1240.4345
91	0.24992	SLU_calotta	Min	3.384E-14	1.141E-13	-1256.6803
91	0.49985	SLU_calotta	Min	3.384E-14	9.985E-14	-1273.7529
91	0.	SLV_calotta	Max	2.774E-13	3.983E-13	-275.8785
91	0.24992	SLV_calotta	Max	2.774E-13	3.983E-13	-328.847
91	0.49985	SLV_calotta	Max	2.774E-13	3.983E-13	-382.5312
91	0.	SLV_calotta	Min	2.774E-13	3.983E-13	-275.8785
91	0.24992	SLV_calotta	Min	2.774E-13	3.983E-13	-328.847
91	0.49985	SLV_calotta	Min	2.774E-13	3.983E-13	-382.5312
92	0.	SLE_dreno	Max	1.138E-13	2.276E-13	-1366.9702
92	0.24992	SLE_dreno	Max	1.138E-13	2.560E-13	-1375.5603
92	0.49985	SLE_dreno	Max	1.138E-13	2.844E-13	-1384.9427
92	0.	SLE_dreno	Min	1.138E-13	2.276E-13	-1366.9702
92	0.24992	SLE_dreno	Min	1.138E-13	2.560E-13	-1375.5603
92	0.49985	SLE_dreno	Min	1.138E-13	2.844E-13	-1384.9427
92	0.	SLU_dreno	Max	1.138E-13	4.441E-16	-1777.3628
92	0.24992	SLU_dreno	Max	1.138E-13	-4.543E-13	-1788.5267
92	0.49985	SLU_dreno	Max	1.138E-13	-9.090E-13	-1800.7204
92	0.	SLU_dreno	Min	1.138E-13	4.441E-16	-1777.3628
92	0.24992	SLU_dreno	Min	1.138E-13	-4.543E-13	-1788.5267

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
92	0.49985	SLU_dreno	Min	1.138E-13	-9.090E-13	-1800.7204
92	0.	SLV_dreno	Max	1.568E-13	2.280E-13	-1115.1216
92	0.24992	SLV_dreno	Max	1.568E-13	1.713E-13	-1133.0071
92	0.49985	SLV_dreno	Max	1.568E-13	1.146E-13	-1151.7838
92	0.	SLV_dreno	Min	1.568E-13	2.280E-13	-1115.1216
92	0.24992	SLV_dreno	Min	1.568E-13	1.713E-13	-1133.0071
92	0.49985	SLV_dreno	Min	1.568E-13	1.146E-13	-1151.7838
92	0.	SLE_calotta	Max	3.111E-14	1.138E-13	-979.8101
92	0.24992	SLE_calotta	Max	3.111E-14	1.138E-13	-999.6929
92	0.49985	SLE_calotta	Max	3.111E-14	1.138E-13	-1020.3679
92	0.	SLE_calotta	Min	3.111E-14	1.138E-13	-979.8101
92	0.24992	SLE_calotta	Min	3.111E-14	1.138E-13	-999.6929
92	0.49985	SLE_calotta	Min	3.111E-14	1.138E-13	-1020.3679
92	0.	SLU_calotta	Max	3.386E-14	1.142E-13	-1273.7529
92	0.24992	SLU_calotta	Max	3.386E-14	1.426E-13	-1299.6006
92	0.49985	SLU_calotta	Max	3.386E-14	1.710E-13	-1326.4781
92	0.	SLU_calotta	Min	3.386E-14	1.142E-13	-1273.7529
92	0.24992	SLU_calotta	Min	3.386E-14	1.426E-13	-1299.6006
92	0.49985	SLU_calotta	Min	3.386E-14	1.710E-13	-1326.4781
92	0.	SLV_calotta	Max	2.916E-13	3.986E-13	-382.5312
92	0.24992	SLV_calotta	Max	2.916E-13	5.122E-13	-447.4796
92	0.49985	SLV_calotta	Max	2.916E-13	6.259E-13	-513.3193
92	0.	SLV_calotta	Min	2.916E-13	3.986E-13	-382.5312
92	0.24992	SLV_calotta	Min	2.916E-13	5.122E-13	-447.4796
92	0.49985	SLV_calotta	Min	2.916E-13	6.259E-13	-513.3193
93	0.	SLE_dreno	Max	1.262E-13	2.560E-13	-1384.9427
93	0.24992	SLE_dreno	Max	1.262E-13	3.129E-13	-1397.6899
93	0.49985	SLE_dreno	Max	1.262E-13	3.698E-13	-1411.4115
93	0.	SLE_dreno	Min	1.262E-13	2.560E-13	-1384.9427
93	0.24992	SLE_dreno	Min	1.262E-13	3.129E-13	-1397.6899
93	0.49985	SLE_dreno	Min	1.262E-13	3.698E-13	-1411.4115
93	0.	SLU_dreno	Max	1.707E-13	4.550E-13	-1800.7204
93	0.24992	SLU_dreno	Max	1.707E-13	4.551E-13	-1817.2882
93	0.49985	SLU_dreno	Max	1.707E-13	4.552E-13	-1835.1228
93	0.	SLU_dreno	Min	1.707E-13	4.550E-13	-1800.7204
93	0.24992	SLU_dreno	Min	1.707E-13	4.551E-13	-1817.2882
93	0.49985	SLU_dreno	Min	1.707E-13	4.552E-13	-1835.1228
93	0.	SLV_dreno	Max	1.675E-13	2.283E-13	-1151.7838
93	0.24992	SLV_dreno	Max	1.675E-13	3.989E-13	-1177.1555
93	0.49985	SLV_dreno	Max	1.675E-13	5.694E-13	-1203.6235
93	0.	SLV_dreno	Min	1.675E-13	2.283E-13	-1151.7838
93	0.24992	SLV_dreno	Min	1.675E-13	3.989E-13	-1177.1555
93	0.49985	SLV_dreno	Min	1.675E-13	5.694E-13	-1203.6235
93	0.	SLE_calotta	Max	3.289E-14	9.961E-14	-1020.3679
93	0.24992	SLE_calotta	Max	3.289E-14	1.422E-13	-1047.1852
93	0.49985	SLE_calotta	Max	3.289E-14	1.848E-13	-1074.9768
93	0.	SLE_calotta	Min	3.289E-14	9.961E-14	-1020.3679
93	0.24992	SLE_calotta	Min	3.289E-14	1.422E-13	-1047.1852
93	0.49985	SLE_calotta	Min	3.289E-14	1.848E-13	-1074.9768
93	0.	SLU_calotta	Max	4.453E-14	1.426E-13	-1326.4781
93	0.24992	SLU_calotta	Max	4.453E-14	1.710E-13	-1361.3405
93	0.49985	SLU_calotta	Max	4.453E-14	1.994E-13	-1397.4697
93	0.	SLU_calotta	Min	4.453E-14	1.426E-13	-1326.4781
93	0.24992	SLU_calotta	Min	4.453E-14	1.710E-13	-1361.3405
93	0.49985	SLU_calotta	Min	4.453E-14	1.994E-13	-1397.4697
93	0.	SLV_calotta	Max	3.094E-13	3.983E-13	-513.3193
93	0.24992	SLV_calotta	Max	3.094E-13	5.120E-13	-589.4021
93	0.49985	SLV_calotta	Max	3.094E-13	6.257E-13	-666.5812
93	0.	SLV_calotta	Min	3.094E-13	3.983E-13	-513.3193

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
93	0.24992	SLV_calotta	Min	3.094E-13	5.120E-13	-589.4021
93	0.49985	SLV_calotta	Min	3.094E-13	6.257E-13	-666.5812
94	0.	SLE_dreno	Max	1.316E-13	3.413E-13	-1411.4115
94	0.24992	SLE_dreno	Max	1.316E-13	4.551E-13	-1428.2079
94	0.49985	SLE_dreno	Max	1.316E-13	5.689E-13	-1446.1151
94	0.	SLE_dreno	Min	1.316E-13	3.413E-13	-1411.4115
94	0.24992	SLE_dreno	Min	1.316E-13	4.551E-13	-1428.2079
94	0.49985	SLE_dreno	Min	1.316E-13	5.689E-13	-1446.1151
94	0.	SLU_dreno	Max	1.991E-13	4.552E-13	-1835.1228
94	0.24992	SLU_dreno	Max	1.991E-13	1.364E-12	-1856.9543
94	0.49985	SLU_dreno	Max	1.991E-13	2.274E-12	-1880.23
94	0.	SLU_dreno	Min	1.991E-13	4.552E-13	-1835.1228
94	0.24992	SLU_dreno	Min	1.991E-13	1.364E-12	-1856.9543
94	0.49985	SLU_dreno	Min	1.991E-13	2.274E-12	-1880.23
94	0.	SLV_dreno	Max	1.782E-13	3.990E-13	-1203.6235
94	0.24992	SLV_dreno	Max	1.782E-13	4.558E-13	-1236.1167
94	0.49985	SLV_dreno	Max	1.782E-13	5.127E-13	-1269.8597
94	0.	SLV_dreno	Min	1.782E-13	3.990E-13	-1203.6235
94	0.24992	SLV_dreno	Min	1.782E-13	4.558E-13	-1236.1167
94	0.49985	SLV_dreno	Min	1.782E-13	5.127E-13	-1269.8597
94	0.	SLE_calotta	Max	3.911E-14	1.565E-13	-1074.9768
94	0.24992	SLE_calotta	Max	3.911E-14	1.849E-13	-1108.312
94	0.49985	SLE_calotta	Max	3.911E-14	2.133E-13	-1142.758
94	0.	SLE_calotta	Min	3.911E-14	1.565E-13	-1074.9768
94	0.24992	SLE_calotta	Min	3.911E-14	1.849E-13	-1108.312
94	0.49985	SLE_calotta	Min	3.911E-14	2.133E-13	-1142.758
94	0.	SLU_calotta	Max	4.989E-14	2.564E-13	-1397.4697
94	0.24992	SLU_calotta	Max	4.989E-14	2.850E-13	-1440.8054
94	0.49985	SLU_calotta	Max	4.989E-14	3.136E-13	-1485.5852
94	0.	SLU_calotta	Min	4.989E-14	2.564E-13	-1397.4697
94	0.24992	SLU_calotta	Min	4.989E-14	2.850E-13	-1440.8054
94	0.49985	SLU_calotta	Min	4.989E-14	3.136E-13	-1485.5852
94	0.	SLV_calotta	Max	3.236E-13	5.693E-13	-666.5812
94	0.24992	SLV_calotta	Max	3.236E-13	5.691E-13	-752.9935
94	0.49985	SLV_calotta	Max	3.236E-13	5.689E-13	-840.6556
94	0.	SLV_calotta	Min	3.236E-13	5.693E-13	-666.5812
94	0.24992	SLV_calotta	Min	3.236E-13	5.691E-13	-752.9935
94	0.49985	SLV_calotta	Min	3.236E-13	5.689E-13	-840.6556
95	0.	SLE_dreno	Max	4.187E-13	3.414E-13	-1446.1151
95	0.25538	SLE_dreno	Max	4.187E-13	3.704E-13	-1290.3685
95	0.51075	SLE_dreno	Max	4.187E-13	3.995E-13	-1138.0551
95	0.	SLE_dreno	Min	4.187E-13	3.414E-13	-1446.1151
95	0.25538	SLE_dreno	Min	4.187E-13	3.704E-13	-1290.3685
95	0.51075	SLE_dreno	Min	4.187E-13	3.995E-13	-1138.0551
95	0.	SLU_dreno	Max	5.263E-13	4.552E-13	-1880.23
95	0.25538	SLU_dreno	Max	5.263E-13	9.198E-13	-1677.733
95	0.51075	SLU_dreno	Max	5.263E-13	1.384E-12	-1479.6992
95	0.	SLU_dreno	Min	5.263E-13	4.552E-13	-1880.23
95	0.25538	SLU_dreno	Min	5.263E-13	9.198E-13	-1677.733
95	0.51075	SLU_dreno	Min	5.263E-13	1.384E-12	-1479.6992
95	0.	SLV_dreno	Max	5.006E-13	4.556E-13	-1269.8597
95	0.25538	SLV_dreno	Max	5.006E-13	4.559E-13	-1110.6412
95	0.51075	SLV_dreno	Max	5.006E-13	4.561E-13	-955.2851
95	0.	SLV_dreno	Min	5.006E-13	4.556E-13	-1269.8597
95	0.25538	SLV_dreno	Min	5.006E-13	4.559E-13	-1110.6412
95	0.51075	SLV_dreno	Min	5.006E-13	4.561E-13	-955.2851
95	0.	SLE_calotta	Max	1.720E-13	1.565E-13	-1142.758
95	0.25538	SLE_calotta	Max	1.720E-13	1.710E-13	-1016.3187
95	0.51075	SLE_calotta	Max	1.720E-13	1.856E-13	-893.3125

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
95	0.	SLE_calotta	Min	1.720E-13	1.565E-13	-1142.758
95	0.25538	SLE_calotta	Min	1.720E-13	1.710E-13	-1016.3187
95	0.51075	SLE_calotta	Min	1.720E-13	1.856E-13	-893.3125
95	0.	SLU_calotta	Max	2.156E-13	1.711E-13	-1485.5852
95	0.25538	SLU_calotta	Max	2.156E-13	1.712E-13	-1321.214
95	0.51075	SLU_calotta	Max	2.156E-13	1.712E-13	-1161.3061
95	0.	SLV_calotta	Min	2.156E-13	1.711E-13	-1485.5852
95	0.25538	SLV_calotta	Min	2.156E-13	1.712E-13	-1321.214
95	0.51075	SLV_calotta	Min	2.156E-13	1.712E-13	-1161.3061
95	0.	SLV_calotta	Max	8.179E-13	5.691E-13	-840.6556
95	0.25538	SLV_calotta	Max	8.179E-13	6.274E-13	-740.918
95	0.51075	SLV_calotta	Max	8.179E-13	6.857E-13	-645.0428
95	0.	SLV_calotta	Min	8.179E-13	5.691E-13	-840.6556
95	0.25538	SLV_calotta	Min	8.179E-13	6.274E-13	-740.918
95	0.51075	SLV_calotta	Min	8.179E-13	6.857E-13	-645.0428
96	0.	SLE_dreno	Max	4.400E-13	3.414E-13	-1138.0551
96	0.25538	SLE_dreno	Max	4.400E-13	3.414E-13	-990.9733
96	0.51075	SLE_dreno	Max	4.400E-13	3.414E-13	-847.2285
96	0.	SLE_dreno	Min	4.400E-13	3.414E-13	-1138.0551
96	0.25538	SLE_dreno	Min	4.400E-13	3.414E-13	-990.9733
96	0.51075	SLE_dreno	Min	4.400E-13	3.414E-13	-847.2285
96	0.	SLU_dreno	Max	5.476E-13	9.098E-13	-1479.6992
96	0.25538	SLU_dreno	Max	5.476E-13	1.374E-12	-1288.467
96	0.51075	SLU_dreno	Max	5.476E-13	1.839E-12	-1101.5728
96	0.	SLU_dreno	Min	5.476E-13	9.098E-13	-1479.6992
96	0.25538	SLU_dreno	Min	5.476E-13	1.374E-12	-1288.467
96	0.51075	SLU_dreno	Min	5.476E-13	1.839E-12	-1101.5728
96	0.	SLV_dreno	Max	5.113E-13	3.992E-13	-955.2851
96	0.25538	SLV_dreno	Max	5.113E-13	4.571E-13	-806.6425
96	0.51075	SLV_dreno	Max	5.113E-13	5.151E-13	-661.7539
96	0.	SLV_dreno	Min	5.113E-13	3.992E-13	-955.2851
96	0.25538	SLV_dreno	Min	5.113E-13	4.571E-13	-806.6425
96	0.51075	SLV_dreno	Min	5.113E-13	5.151E-13	-661.7539
96	0.	SLE_calotta	Max	1.760E-13	1.849E-13	-893.3125
96	0.25538	SLE_calotta	Max	1.760E-13	1.704E-13	-775.0903
96	0.51075	SLE_calotta	Max	1.760E-13	1.559E-13	-660.2049
96	0.	SLE_calotta	Min	1.760E-13	1.849E-13	-893.3125
96	0.25538	SLE_calotta	Min	1.760E-13	1.704E-13	-775.0903
96	0.51075	SLE_calotta	Min	1.760E-13	1.559E-13	-660.2049
96	0.	SLU_calotta	Max	2.294E-13	2.565E-13	-1161.3061
96	0.25538	SLU_calotta	Max	2.294E-13	2.275E-13	-1007.6171
96	0.51075	SLU_calotta	Max	2.294E-13	1.986E-13	-858.2662
96	0.	SLU_calotta	Min	2.294E-13	2.565E-13	-1161.3061
96	0.25538	SLU_calotta	Min	2.294E-13	2.275E-13	-1007.6171
96	0.51075	SLU_calotta	Min	2.294E-13	1.986E-13	-858.2662
96	0.	SLV_calotta	Max	8.357E-13	5.120E-13	-645.0428
96	0.25538	SLV_calotta	Max	8.357E-13	5.120E-13	-554.5553
96	0.51075	SLV_calotta	Max	8.357E-13	5.120E-13	-467.8219
96	0.	SLV_calotta	Min	8.357E-13	5.120E-13	-645.0428
96	0.25538	SLV_calotta	Min	8.357E-13	5.120E-13	-554.5553
96	0.51075	SLV_calotta	Min	8.357E-13	5.120E-13	-467.8219
97	0.	SLE_dreno	Max	4.774E-13	3.414E-13	-847.2285
97	0.25538	SLE_dreno	Max	4.774E-13	2.833E-13	-708.7121
97	0.51075	SLE_dreno	Max	4.774E-13	2.253E-13	-573.4668
97	0.	SLE_dreno	Min	4.774E-13	3.414E-13	-847.2285
97	0.25538	SLE_dreno	Min	4.774E-13	2.833E-13	-708.7121
97	0.51075	SLE_dreno	Min	4.774E-13	2.253E-13	-573.4668
97	0.	SLU_dreno	Max	6.117E-13	9.100E-13	-1101.5728
97	0.25538	SLU_dreno	Max	6.117E-13	6.776E-13	-921.4763

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
97	0.51075	SLU_dreno	Max	6.117E-13	4.452E-13	-745.6321
97	0.	SLU_dreno	Min	6.117E-13	9.100E-13	-1101.5728
97	0.25538	SLU_dreno	Min	6.117E-13	6.776E-13	-921.4763
97	0.51075	SLU_dreno	Min	6.117E-13	4.452E-13	-745.6321
97	0.	SLV_dreno	Max	5.701E-13	3.706E-13	-661.7539
97	0.25538	SLV_dreno	Max	5.701E-13	3.122E-13	-523.3544
97	0.51075	SLV_dreno	Max	5.701E-13	2.539E-13	-388.635
97	0.	SLV_dreno	Min	5.701E-13	3.706E-13	-661.7539
97	0.25538	SLV_dreno	Min	5.701E-13	3.122E-13	-523.3544
97	0.51075	SLV_dreno	Min	5.701E-13	2.539E-13	-388.635
97	0.	SLE_calotta	Max	1.987E-13	1.707E-13	-660.2049
97	0.25538	SLE_calotta	Max	1.987E-13	1.416E-13	-549.8252
97	0.51075	SLE_calotta	Max	1.987E-13	1.126E-13	-442.7166
97	0.	SLE_calotta	Min	1.987E-13	1.707E-13	-660.2049
97	0.25538	SLE_calotta	Min	1.987E-13	1.416E-13	-549.8252
97	0.51075	SLE_calotta	Min	1.987E-13	1.126E-13	-442.7166
97	0.	SLU_calotta	Max	2.659E-13	2.281E-13	-858.2662
97	0.25538	SLU_calotta	Max	2.659E-13	1.990E-13	-714.7726
97	0.51075	SLU_calotta	Max	2.659E-13	1.699E-13	-575.5314
97	0.	SLU_calotta	Min	2.659E-13	2.281E-13	-858.2662
97	0.25538	SLU_calotta	Min	2.659E-13	1.990E-13	-714.7726
97	0.51075	SLU_calotta	Min	2.659E-13	1.699E-13	-575.5314
97	0.	SLV_calotta	Max	9.264E-13	5.688E-13	-467.8219
97	0.25538	SLV_calotta	Max	9.264E-13	4.526E-13	-385.8532
97	0.51075	SLV_calotta	Max	9.264E-13	3.365E-13	-307.5644
97	0.	SLV_calotta	Min	9.264E-13	5.688E-13	-467.8219
97	0.25538	SLV_calotta	Min	9.264E-13	4.526E-13	-385.8532
97	0.51075	SLV_calotta	Min	9.264E-13	3.365E-13	-307.5644
98	0.	SLE_dreno	Max	5.032E-13	1.708E-13	-573.4668
98	0.25538	SLE_dreno	Max	5.032E-13	8.348E-14	-443.4125
98	0.51075	SLE_dreno	Max	5.032E-13	-3.786E-15	-316.5734
98	0.	SLE_dreno	Min	5.032E-13	1.708E-13	-573.4668
98	0.25538	SLE_dreno	Min	5.032E-13	8.348E-14	-443.4125
98	0.51075	SLE_dreno	Min	5.032E-13	-3.786E-15	-316.5734
98	0.	SLU_dreno	Max	6.685E-13	2.220E-16	-745.6321
98	0.25538	SLU_dreno	Max	6.685E-13	1.653E-16	-576.537
98	0.51075	SLU_dreno	Max	6.685E-13	1.086E-16	-411.6217
98	0.	SLU_dreno	Min	6.685E-13	2.220E-16	-745.6321
98	0.25538	SLU_dreno	Min	6.685E-13	1.653E-16	-576.537
98	0.51075	SLU_dreno	Min	6.685E-13	1.086E-16	-411.6217
98	0.	SLV_dreno	Max	5.826E-13	2.565E-13	-388.635
98	0.25538	SLV_dreno	Max	5.826E-13	8.198E-14	-260.1595
98	0.51075	SLV_dreno	Max	5.826E-13	-9.256E-14	-135.3012
98	0.	SLV_dreno	Min	5.826E-13	2.565E-13	-388.635
98	0.25538	SLV_dreno	Min	5.826E-13	8.198E-14	-260.1595
98	0.51075	SLV_dreno	Min	5.826E-13	-9.256E-14	-135.3012
98	0.	SLE_calotta	Max	2.111E-13	1.280E-13	-442.7166
98	0.25538	SLE_calotta	Max	2.111E-13	6.986E-14	-339.8391
98	0.51075	SLE_calotta	Max	2.111E-13	1.176E-14	-240.1768
98	0.	SLE_calotta	Min	2.111E-13	1.280E-13	-442.7166
98	0.25538	SLE_calotta	Min	2.111E-13	6.986E-14	-339.8391
98	0.51075	SLE_calotta	Min	2.111E-13	1.176E-14	-240.1768
98	0.	SLU_calotta	Max	2.779E-13	1.568E-13	-575.5314
98	0.25538	SLU_calotta	Max	2.779E-13	9.853E-14	-441.7907
98	0.51075	SLU_calotta	Max	2.779E-13	4.020E-14	-312.2297
98	0.	SLU_calotta	Min	2.779E-13	1.568E-13	-575.5314
98	0.25538	SLU_calotta	Min	2.779E-13	9.853E-14	-441.7907
98	0.51075	SLU_calotta	Min	2.779E-13	4.020E-14	-312.2297
98	0.	SLV_calotta	Max	9.779E-13	3.414E-13	-307.5644

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
98	0.25538	SLV_calotta	Max	9.779E-13	1.087E-13	-233.447
98	0.51075	SLV_calotta	Max	9.779E-13	-1.240E-13	-162.9466
98	0.	SLV_calotta	Min	9.779E-13	3.414E-13	-307.5644
98	0.25538	SLV_calotta	Min	9.779E-13	1.087E-13	-233.447
98	0.51075	SLV_calotta	Min	9.779E-13	-1.240E-13	-162.9466
99	0.	SLE_dreno	Max	5.201E-13	-2.842E-14	-316.5734
99	0.25538	SLE_dreno	Max	5.201E-13	-2.028E-13	-194.7764
99	0.51075	SLE_dreno	Max	5.201E-13	-3.773E-13	-76.0037
99	0.	SLE_dreno	Min	5.201E-13	-2.842E-14	-316.5734
99	0.25538	SLE_dreno	Min	5.201E-13	-2.028E-13	-194.7764
99	0.51075	SLE_dreno	Min	5.201E-13	-3.773E-13	-76.0037
99	0.	SLU_dreno	Max	6.614E-13	2.274E-13	-411.6217
99	0.25538	SLU_dreno	Max	6.614E-13	-2.374E-13	-253.2619
99	0.51075	SLU_dreno	Max	6.614E-13	-7.023E-13	-98.8336
99	0.	SLU_dreno	Min	6.614E-13	2.274E-13	-411.6217
99	0.25538	SLU_dreno	Min	6.614E-13	-2.374E-13	-253.2619
99	0.51075	SLU_dreno	Min	6.614E-13	-7.023E-13	-98.8336
99	0.	SLV_dreno	Max	6.129E-13	-2.875E-14	-135.3012
99	0.25538	SLV_dreno	Max	6.129E-13	-2.906E-13	-16.3344
99	0.51075	SLV_dreno	Max	6.129E-13	-5.525E-13	99.2302
99	0.	SLV_dreno	Min	6.129E-13	-2.875E-14	-135.3012
99	0.25538	SLV_dreno	Min	6.129E-13	-2.906E-13	-16.3344
99	0.51075	SLV_dreno	Min	6.129E-13	-5.525E-13	99.2302
99	0.	SLE_calotta	Max	2.160E-13	2.845E-14	-240.1768
99	0.25538	SLE_calotta	Max	2.160E-13	-5.876E-14	-144.3962
99	0.51075	SLE_calotta	Max	2.160E-13	-1.460E-13	-51.6399
99	0.	SLE_calotta	Min	2.160E-13	2.845E-14	-240.1768
99	0.25538	SLE_calotta	Min	2.160E-13	-5.876E-14	-144.3962
99	0.51075	SLE_calotta	Min	2.160E-13	-1.460E-13	-51.6399
99	0.	SLU_calotta	Max	2.826E-13	4.269E-14	-312.2297
99	0.25538	SLU_calotta	Max	2.826E-13	-7.370E-14	-187.7149
99	0.51075	SLU_calotta	Max	2.826E-13	-1.901E-13	-67.1317
99	0.	SLU_calotta	Min	2.826E-13	4.269E-14	-312.2297
99	0.25538	SLU_calotta	Min	2.826E-13	-7.370E-14	-187.7149
99	0.51075	SLU_calotta	Min	2.826E-13	-1.901E-13	-67.1317
99	0.	SLV_calotta	Max	9.975E-13	-1.708E-13	-162.9466
99	0.25538	SLV_calotta	Max	9.975E-13	-5.196E-13	-95.965
99	0.51075	SLV_calotta	Max	9.975E-13	-8.685E-13	-32.3856
99	0.	SLV_calotta	Min	9.975E-13	-1.708E-13	-162.9466
99	0.25538	SLV_calotta	Min	9.975E-13	-5.196E-13	-95.965
99	0.51075	SLV_calotta	Min	9.975E-13	-8.685E-13	-32.3856
100	0.	SLE_dreno	Max	5.165E-13	-3.699E-13	-76.0037
100	0.25538	SLE_dreno	Max	5.165E-13	-5.443E-13	37.8587
100	0.51075	SLE_dreno	Max	5.165E-13	-7.187E-13	148.6179
100	0.	SLE_dreno	Min	5.165E-13	-3.699E-13	-76.0037
100	0.25538	SLE_dreno	Min	5.165E-13	-5.443E-13	37.8587
100	0.51075	SLE_dreno	Min	5.165E-13	-7.187E-13	148.6179
100	0.	SLU_dreno	Max	6.543E-13	-6.827E-13	-98.8336
100	0.25538	SLU_dreno	Max	6.543E-13	-9.150E-13	49.2102
100	0.51075	SLU_dreno	Max	6.543E-13	-1.147E-12	193.2199
100	0.	SLU_dreno	Min	6.543E-13	-6.827E-13	-98.8336
100	0.25538	SLU_dreno	Min	6.543E-13	-9.150E-13	49.2102
100	0.51075	SLU_dreno	Min	6.543E-13	-1.147E-12	193.2199
100	0.	SLV_dreno	Max	5.942E-13	-5.699E-13	99.2302
100	0.25538	SLV_dreno	Max	5.942E-13	-7.448E-13	209.2193
100	0.51075	SLV_dreno	Max	5.942E-13	-9.197E-13	315.7174
100	0.	SLV_dreno	Min	5.942E-13	-5.699E-13	99.2302
100	0.25538	SLV_dreno	Min	5.942E-13	-7.448E-13	209.2193
100	0.51075	SLV_dreno	Min	5.942E-13	-9.197E-13	315.7174



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
100	0.	SLE_calotta	Max	2.149E-13	-1.707E-13	-51.6399
100	0.25538	SLE_calotta	Max	2.149E-13	-2.143E-13	37.5324
100	0.51075	SLE_calotta	Max	2.149E-13	-2.579E-13	123.6016
100	0.	SLE_calotta	Min	2.149E-13	-1.707E-13	-51.6399
100	0.25538	SLE_calotta	Min	2.149E-13	-2.143E-13	37.5324
100	0.51075	SLE_calotta	Min	2.149E-13	-2.579E-13	123.6016
100	0.	SLU_calotta	Max	2.795E-13	-1.995E-13	-67.1317
100	0.25538	SLU_calotta	Max	2.795E-13	-2.724E-13	48.7923
100	0.51075	SLU_calotta	Max	2.795E-13	-3.453E-13	160.6823
100	0.	SLU_calotta	Min	2.795E-13	-1.995E-13	-67.1317
100	0.25538	SLU_calotta	Min	2.795E-13	-2.724E-13	48.7923
100	0.51075	SLU_calotta	Min	2.795E-13	-3.453E-13	160.6823
100	0.	SLV_calotta	Max	9.655E-13	-9.105E-13	-32.3856
100	0.25538	SLV_calotta	Max	9.655E-13	-1.143E-12	28.2449
100	0.51075	SLV_calotta	Max	9.655E-13	-1.376E-12	85.3844
100	0.	SLV_calotta	Min	9.655E-13	-9.105E-13	-32.3856
100	0.25538	SLV_calotta	Min	9.655E-13	-1.143E-12	28.2449
100	0.51075	SLV_calotta	Min	9.655E-13	-1.376E-12	85.3844
101	0.	SLE_dreno	Max	4.547E-13	-6.827E-13	148.6179
101	0.25195	SLE_dreno	Max	4.547E-13	-8.261E-13	256.8106
101	0.5039	SLE_dreno	Max	4.547E-13	-9.694E-13	361.8791
101	0.	SLE_dreno	Min	4.547E-13	-6.827E-13	148.6179
101	0.25195	SLE_dreno	Min	4.547E-13	-8.261E-13	256.8106
101	0.5039	SLE_dreno	Min	4.547E-13	-9.694E-13	361.8791
101	0.	SLU_dreno	Max	6.152E-13	-9.103E-13	193.2199
101	0.25195	SLU_dreno	Max	6.152E-13	-1.369E-12	333.8923
101	0.5039	SLU_dreno	Max	6.152E-13	-1.827E-12	470.5032
101	0.	SLU_dreno	Min	6.152E-13	-9.103E-13	193.2199
101	0.25195	SLU_dreno	Min	6.152E-13	-1.369E-12	333.8923
101	0.5039	SLU_dreno	Min	6.152E-13	-1.827E-12	470.5032
101	0.	SLV_dreno	Max	5.380E-13	-1.026E-12	315.7174
101	0.25195	SLV_dreno	Max	5.380E-13	-1.198E-12	419.9349
101	0.5039	SLV_dreno	Max	5.380E-13	-1.371E-12	520.6377
101	0.	SLV_dreno	Min	5.380E-13	-1.026E-12	315.7174
101	0.25195	SLV_dreno	Min	5.380E-13	-1.198E-12	419.9349
101	0.5039	SLV_dreno	Min	5.380E-13	-1.371E-12	520.6377
101	0.	SLE_calotta	Max	1.998E-13	-2.845E-13	123.6016
101	0.25195	SLE_calotta	Max	1.998E-13	-3.561E-13	208.9882
101	0.5039	SLE_calotta	Max	1.998E-13	-4.278E-13	291.2505
101	0.	SLE_calotta	Min	1.998E-13	-2.845E-13	123.6016
101	0.25195	SLE_calotta	Min	1.998E-13	-3.561E-13	208.9882
101	0.5039	SLE_calotta	Min	1.998E-13	-4.278E-13	291.2505
101	0.	SLU_calotta	Max	2.545E-13	-3.706E-13	160.6823
101	0.25195	SLU_calotta	Max	2.545E-13	-4.425E-13	271.6848
101	0.5039	SLU_calotta	Max	2.545E-13	-5.144E-13	378.6259
101	0.	SLU_calotta	Min	2.545E-13	-3.706E-13	160.6823
101	0.25195	SLU_calotta	Min	2.545E-13	-4.425E-13	271.6848
101	0.5039	SLU_calotta	Min	2.545E-13	-5.144E-13	378.6259
101	0.	SLV_calotta	Max	8.659E-13	-1.536E-12	85.3844
101	0.25195	SLV_calotta	Max	8.659E-13	-1.766E-12	144.422
101	0.5039	SLV_calotta	Max	8.659E-13	-1.995E-12	199.9448
101	0.	SLV_calotta	Min	8.659E-13	-1.536E-12	85.3844
101	0.25195	SLV_calotta	Min	8.659E-13	-1.766E-12	144.422
101	0.5039	SLV_calotta	Min	8.659E-13	-1.995E-12	199.9448
102	0.	SLE_dreno	Max	4.329E-13	-9.957E-13	361.8791
102	0.25195	SLE_dreno	Max	4.329E-13	-1.053E-12	461.8046
102	0.5039	SLE_dreno	Max	4.329E-13	-1.110E-12	558.5435
102	0.	SLE_dreno	Min	4.329E-13	-9.957E-13	361.8791
102	0.25195	SLE_dreno	Min	4.329E-13	-1.053E-12	461.8046

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
102	0.5039	SLE_dreno	Min	4.329E-13	-1.110E-12	558.5435
102	0.	SLU_dreno	Max	5.512E-13	-1.365E-12	470.5032
102	0.25195	SLU_dreno	Max	5.512E-13	-1.136E-12	600.4271
102	0.5039	SLU_dreno	Max	5.512E-13	-9.073E-13	726.2083
102	0.	SLU_dreno	Min	5.512E-13	-1.365E-12	470.5032
102	0.25195	SLU_dreno	Min	5.512E-13	-1.136E-12	600.4271
102	0.5039	SLU_dreno	Min	5.512E-13	-9.073E-13	726.2083
102	0.	SLV_dreno	Max	4.900E-13	-1.283E-12	520.6377
102	0.25195	SLV_dreno	Max	4.900E-13	-1.369E-12	615.7953
102	0.5039	SLV_dreno	Max	4.900E-13	-1.455E-12	707.3679
102	0.	SLV_dreno	Min	4.900E-13	-1.283E-12	520.6377
102	0.25195	SLV_dreno	Min	4.900E-13	-1.369E-12	615.7953
102	0.5039	SLV_dreno	Min	4.900E-13	-1.455E-12	707.3679
102	0.	SLE_calotta	Max	1.817E-13	-4.267E-13	291.2505
102	0.25195	SLE_calotta	Max	1.817E-13	-4.697E-13	369.9408
102	0.5039	SLE_calotta	Max	1.817E-13	-5.127E-13	445.4443
102	0.	SLE_calotta	Min	1.817E-13	-4.267E-13	291.2505
102	0.25195	SLE_calotta	Min	1.817E-13	-4.697E-13	369.9408
102	0.5039	SLE_calotta	Min	1.817E-13	-5.127E-13	445.4443
102	0.	SLU_calotta	Max	2.366E-13	-5.558E-13	378.6259
102	0.25195	SLU_calotta	Max	2.366E-13	-5.846E-13	480.9232
102	0.5039	SLU_calotta	Max	2.366E-13	-6.133E-13	579.0778
102	0.	SLU_calotta	Min	2.366E-13	-5.558E-13	378.6259
102	0.25195	SLU_calotta	Min	2.366E-13	-5.846E-13	480.9232
102	0.5039	SLU_calotta	Min	2.366E-13	-6.133E-13	579.0778
102	0.	SLV_calotta	Max	8.117E-13	-2.105E-12	199.9448
102	0.25195	SLV_calotta	Max	8.117E-13	-2.220E-12	252.88
102	0.5039	SLV_calotta	Max	8.117E-13	-2.334E-12	302.2303
102	0.	SLV_calotta	Min	8.117E-13	-2.105E-12	199.9448
102	0.25195	SLV_calotta	Min	8.117E-13	-2.220E-12	252.88
102	0.5039	SLV_calotta	Min	8.117E-13	-2.334E-12	302.2303
103	0.	SLE_dreno	Max	3.943E-13	-1.081E-12	558.5435
103	0.25195	SLE_dreno	Max	3.943E-13	-1.138E-12	650.2311
103	0.5039	SLE_dreno	Max	3.943E-13	-1.196E-12	738.6742
103	0.	SLE_dreno	Min	3.943E-13	-1.081E-12	558.5435
103	0.25195	SLE_dreno	Min	3.943E-13	-1.138E-12	650.2311
103	0.5039	SLE_dreno	Min	3.943E-13	-1.196E-12	738.6742
103	0.	SLU_dreno	Max	4.996E-13	-1.138E-12	726.2083
103	0.25195	SLU_dreno	Max	4.996E-13	-1.138E-12	845.4216
103	0.5039	SLU_dreno	Max	4.996E-13	-1.138E-12	960.4169
103	0.	SLU_dreno	Min	4.996E-13	-1.138E-12	726.2083
103	0.25195	SLU_dreno	Min	4.996E-13	-1.138E-12	845.4216
103	0.5039	SLU_dreno	Min	4.996E-13	-1.138E-12	960.4169
103	0.	SLV_dreno	Max	4.298E-13	-1.397E-12	707.3679
103	0.25195	SLV_dreno	Max	4.298E-13	-1.426E-12	793.6065
103	0.5039	SLV_dreno	Max	4.298E-13	-1.454E-12	876.1949
103	0.	SLV_dreno	Min	4.298E-13	-1.397E-12	707.3679
103	0.25195	SLV_dreno	Min	4.298E-13	-1.426E-12	793.6065
103	0.5039	SLV_dreno	Min	4.298E-13	-1.454E-12	876.1949
103	0.	SLE_calotta	Max	1.604E-13	-4.552E-13	445.4443
103	0.25195	SLE_calotta	Max	1.604E-13	-4.839E-13	517.534
103	0.5039	SLE_calotta	Max	1.604E-13	-5.125E-13	586.3791
103	0.	SLE_calotta	Min	1.604E-13	-4.552E-13	445.4443
103	0.25195	SLE_calotta	Min	1.604E-13	-4.839E-13	517.534
103	0.5039	SLE_calotta	Min	1.604E-13	-5.125E-13	586.3791
103	0.	SLU_calotta	Max	2.106E-13	-5.986E-13	579.0778
103	0.25195	SLU_calotta	Max	2.106E-13	-6.130E-13	672.7944
103	0.5039	SLU_calotta	Max	2.106E-13	-6.273E-13	762.293
103	0.	SLU_calotta	Min	2.106E-13	-5.986E-13	579.0778

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
103	0.25195	SLU_calotta	Min	2.106E-13	-6.130E-13	672.7944
103	0.5039	SLU_calotta	Min	2.106E-13	-6.273E-13	762.293
103	0.	SLV_calotta	Max	7.050E-13	-2.276E-12	302.2303
103	0.25195	SLV_calotta	Max	7.050E-13	-2.333E-12	349.3208
103	0.5039	SLV_calotta	Max	7.050E-13	-2.390E-12	392.7613
103	0.	SLV_calotta	Min	7.050E-13	-2.276E-12	302.2303
103	0.25195	SLV_calotta	Min	7.050E-13	-2.333E-12	349.3208
103	0.5039	SLV_calotta	Min	7.050E-13	-2.390E-12	392.7613
104	0.	SLE_dreno	Max	3.400E-13	-1.138E-12	738.6742
104	0.25195	SLE_dreno	Max	3.400E-13	-1.167E-12	822.1733
104	0.5039	SLE_dreno	Max	3.400E-13	-1.195E-12	902.3745
104	0.	SLE_dreno	Min	3.400E-13	-1.138E-12	738.6742
104	0.25195	SLE_dreno	Min	3.400E-13	-1.167E-12	822.1733
104	0.5039	SLE_dreno	Min	3.400E-13	-1.195E-12	902.3745
104	0.	SLU_dreno	Max	4.356E-13	-1.593E-12	960.4169
104	0.25195	SLU_dreno	Max	4.356E-13	-1.364E-12	1068.9837
104	0.5039	SLU_dreno	Max	4.356E-13	-1.135E-12	1173.2632
104	0.	SLU_dreno	Min	4.356E-13	-1.593E-12	960.4169
104	0.25195	SLU_dreno	Min	4.356E-13	-1.364E-12	1068.9837
104	0.5039	SLU_dreno	Min	4.356E-13	-1.135E-12	1173.2632
104	0.	SLV_dreno	Max	3.830E-13	-1.511E-12	876.1949
104	0.25195	SLV_dreno	Max	3.830E-13	-1.540E-12	953.6655
104	0.5039	SLV_dreno	Max	3.830E-13	-1.568E-12	1027.4258
104	0.	SLV_dreno	Min	3.830E-13	-1.511E-12	876.1949
104	0.25195	SLV_dreno	Min	3.830E-13	-1.540E-12	953.6655
104	0.5039	SLV_dreno	Min	3.830E-13	-1.568E-12	1027.4258
104	0.	SLE_calotta	Max	1.456E-13	-5.049E-13	586.3791
104	0.25195	SLE_calotta	Max	1.456E-13	-5.121E-13	651.9642
104	0.5039	SLE_calotta	Max	1.456E-13	-5.193E-13	714.2514
104	0.	SLE_calotta	Min	1.456E-13	-5.049E-13	586.3791
104	0.25195	SLE_calotta	Min	1.456E-13	-5.121E-13	651.9642
104	0.5039	SLE_calotta	Min	1.456E-13	-5.193E-13	714.2514
104	0.	SLU_calotta	Max	1.896E-13	-6.414E-13	762.293
104	0.25195	SLU_calotta	Max	1.896E-13	-6.701E-13	847.5536
104	0.5039	SLU_calotta	Max	1.896E-13	-6.988E-13	928.527
104	0.	SLU_calotta	Min	1.896E-13	-6.414E-13	762.293
104	0.25195	SLU_calotta	Min	1.896E-13	-6.701E-13	847.5536
104	0.5039	SLU_calotta	Min	1.896E-13	-6.988E-13	928.527
104	0.	SLV_calotta	Max	6.259E-13	-2.447E-12	392.7613
104	0.25195	SLV_calotta	Max	6.259E-13	-2.504E-12	434.2477
104	0.5039	SLV_calotta	Max	6.259E-13	-2.561E-12	472.0239
104	0.	SLV_calotta	Min	6.259E-13	-2.447E-12	392.7613
104	0.25195	SLV_calotta	Min	6.259E-13	-2.504E-12	434.2477
104	0.5039	SLV_calotta	Min	6.259E-13	-2.561E-12	472.0239
105	0.	SLE_dreno	Max	3.164E-13	-1.294E-12	902.3745
105	0.25195	SLE_dreno	Max	3.164E-13	-1.294E-12	977.7498
105	0.5039	SLE_dreno	Max	3.164E-13	-1.294E-12	1049.7785
105	0.	SLE_dreno	Min	3.164E-13	-1.294E-12	902.3745
105	0.25195	SLE_dreno	Min	3.164E-13	-1.294E-12	977.7498
105	0.5039	SLE_dreno	Min	3.164E-13	-1.294E-12	1049.7785
105	0.	SLU_dreno	Max	4.107E-13	-1.366E-12	1173.2632
105	0.25195	SLU_dreno	Max	4.107E-13	-1.824E-12	1271.2677
105	0.5039	SLU_dreno	Max	4.107E-13	-2.282E-12	1364.9214
105	0.	SLU_dreno	Min	4.107E-13	-1.366E-12	1173.2632
105	0.25195	SLU_dreno	Min	4.107E-13	-1.824E-12	1271.2677
105	0.5039	SLU_dreno	Min	4.107E-13	-2.282E-12	1364.9214
105	0.	SLV_dreno	Max	3.456E-13	-1.625E-12	1027.4258
105	0.25195	SLV_dreno	Max	3.456E-13	-1.596E-12	1096.2851
105	0.5039	SLV_dreno	Max	3.456E-13	-1.568E-12	1161.3793

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
105	0.	SLV_dreno	Min	3.456E-13	-1.625E-12	1027.4258
105	0.25195	SLV_dreno	Min	3.456E-13	-1.596E-12	1096.2851
105	0.5039	SLV_dreno	Min	3.456E-13	-1.568E-12	1161.3793
105	0.	SLE_calotta	Max	1.357E-13	-5.334E-13	714.2514
105	0.25195	SLE_calotta	Max	1.357E-13	-5.406E-13	773.4264
105	0.5039	SLE_calotta	Max	1.357E-13	-5.478E-13	829.2548
105	0.	SLE_calotta	Min	1.357E-13	-5.334E-13	714.2514
105	0.25195	SLE_calotta	Min	1.357E-13	-5.406E-13	773.4264
105	0.5039	SLE_calotta	Min	1.357E-13	-5.478E-13	829.2548
105	0.	SLU_calotta	Max	1.754E-13	-6.984E-13	928.527
105	0.25195	SLU_calotta	Max	1.754E-13	-6.984E-13	1005.4545
105	0.5039	SLU_calotta	Max	1.754E-13	-6.985E-13	1078.0313
105	0.	SLU_calotta	Min	1.754E-13	-6.984E-13	928.527
105	0.25195	SLU_calotta	Min	1.754E-13	-6.984E-13	1005.4545
105	0.5039	SLU_calotta	Min	1.754E-13	-6.985E-13	1078.0313
105	0.	SLV_calotta	Max	5.699E-13	-2.674E-12	472.0239
105	0.25195	SLV_calotta	Max	5.699E-13	-2.674E-12	508.1288
105	0.5039	SLV_calotta	Max	5.699E-13	-2.674E-12	540.4686
105	0.	SLV_calotta	Min	5.699E-13	-2.674E-12	472.0239
105	0.25195	SLV_calotta	Min	5.699E-13	-2.674E-12	508.1288
105	0.5039	SLV_calotta	Min	5.699E-13	-2.674E-12	540.4686
106	0.	SLE_dreno	Max	2.619E-13	-1.309E-12	1049.7785
106	0.25195	SLE_dreno	Max	2.619E-13	-1.280E-12	1117.1053
106	0.5039	SLE_dreno	Max	2.619E-13	-1.251E-12	1181.0413
106	0.	SLE_dreno	Min	2.619E-13	-1.309E-12	1049.7785
106	0.25195	SLE_dreno	Min	2.619E-13	-1.280E-12	1117.1053
106	0.5039	SLE_dreno	Min	2.619E-13	-1.251E-12	1181.0413
106	0.	SLU_dreno	Max	3.476E-13	-1.821E-12	1364.9214
106	0.25195	SLU_dreno	Max	3.476E-13	-1.821E-12	1452.4612
106	0.5039	SLU_dreno	Max	3.476E-13	-1.821E-12	1535.593
106	0.	SLU_dreno	Min	3.476E-13	-1.821E-12	1364.9214
106	0.25195	SLU_dreno	Min	3.476E-13	-1.821E-12	1452.4612
106	0.5039	SLU_dreno	Min	3.476E-13	-1.821E-12	1535.593
106	0.	SLV_dreno	Max	2.690E-13	-1.653E-12	1161.3793
106	0.25195	SLV_dreno	Max	2.690E-13	-1.682E-12	1221.7854
106	0.5039	SLV_dreno	Max	2.690E-13	-1.711E-12	1278.3769
106	0.	SLV_dreno	Min	2.690E-13	-1.653E-12	1161.3793
106	0.25195	SLV_dreno	Min	2.690E-13	-1.682E-12	1221.7854
106	0.5039	SLV_dreno	Min	2.690E-13	-1.711E-12	1278.3769
106	0.	SLE_calotta	Max	1.096E-13	-5.547E-13	829.2548
106	0.25195	SLE_calotta	Max	1.096E-13	-5.404E-13	882.111
106	0.5039	SLE_calotta	Max	1.096E-13	-5.261E-13	931.5763
106	0.	SLE_calotta	Min	1.096E-13	-5.547E-13	829.2548
106	0.25195	SLE_calotta	Min	1.096E-13	-5.404E-13	882.111
106	0.5039	SLE_calotta	Min	1.096E-13	-5.261E-13	931.5763
106	0.	SLU_calotta	Max	1.421E-13	-7.126E-13	1078.0313
106	0.25195	SLU_calotta	Max	1.421E-13	-7.127E-13	1146.7444
106	0.5039	SLU_calotta	Max	1.421E-13	-7.127E-13	1211.0494
106	0.	SLU_calotta	Min	1.421E-13	-7.126E-13	1078.0313
106	0.25195	SLU_calotta	Min	1.421E-13	-7.127E-13	1146.7444
106	0.5039	SLU_calotta	Min	1.421E-13	-7.127E-13	1211.0494
106	0.	SLV_calotta	Max	4.463E-13	-2.674E-12	540.4686
106	0.25195	SLV_calotta	Max	4.463E-13	-2.617E-12	571.3959
106	0.5039	SLV_calotta	Max	4.463E-13	-2.560E-12	598.5085
106	0.	SLV_calotta	Min	4.463E-13	-2.674E-12	540.4686
106	0.25195	SLV_calotta	Min	4.463E-13	-2.617E-12	571.3959
106	0.5039	SLV_calotta	Min	4.463E-13	-2.560E-12	598.5085
107	0.	SLE_dreno	Max	2.141E-13	-1.323E-12	1181.0413
107	0.25195	SLE_dreno	Max	2.141E-13	-1.294E-12	1240.401

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
107	0.5039	SLE_dreno	Max	2.141E-13	-1.266E-12	1296.3305
107	0.	SLE_dreno	Min	2.141E-13	-1.323E-12	1181.0413
107	0.25195	SLE_dreno	Min	2.141E-13	-1.294E-12	1240.401
107	0.5039	SLE_dreno	Min	2.141E-13	-1.266E-12	1296.3305
107	0.	SLU_dreno	Max	2.783E-13	-1.593E-12	1535.593
107	0.25195	SLU_dreno	Max	2.783E-13	-1.364E-12	1612.7739
107	0.5039	SLU_dreno	Max	2.783E-13	-1.135E-12	1685.4957
107	0.	SLU_dreno	Min	2.783E-13	-1.593E-12	1535.593
107	0.25195	SLU_dreno	Min	2.783E-13	-1.364E-12	1612.7739
107	0.5039	SLU_dreno	Min	2.783E-13	-1.135E-12	1685.4957
107	0.	SLV_dreno	Max	2.169E-13	-1.682E-12	1278.3769
107	0.25195	SLV_dreno	Max	2.169E-13	-1.682E-12	1330.4851
107	0.5039	SLV_dreno	Max	2.169E-13	-1.682E-12	1378.7345
107	0.	SLV_dreno	Min	2.169E-13	-1.682E-12	1278.3769
107	0.25195	SLV_dreno	Min	2.169E-13	-1.682E-12	1330.4851
107	0.5039	SLV_dreno	Min	2.169E-13	-1.682E-12	1378.7345
107	0.	SLE_calotta	Max	8.985E-14	-5.477E-13	931.5763
107	0.25195	SLE_calotta	Max	8.985E-14	-5.477E-13	978.2001
107	0.5039	SLE_calotta	Max	8.985E-14	-5.477E-13	1021.3937
107	0.	SLE_calotta	Min	8.985E-14	-5.477E-13	931.5763
107	0.25195	SLE_calotta	Min	8.985E-14	-5.477E-13	978.2001
107	0.5039	SLE_calotta	Min	8.985E-14	-5.477E-13	1021.3937
107	0.	SLU_calotta	Max	1.164E-13	-7.269E-13	1211.0494
107	0.25195	SLU_calotta	Max	1.164E-13	-7.125E-13	1271.6602
107	0.5039	SLU_calotta	Max	1.164E-13	-6.981E-13	1327.8119
107	0.	SLU_calotta	Min	1.164E-13	-7.269E-13	1211.0494
107	0.25195	SLU_calotta	Min	1.164E-13	-7.125E-13	1271.6602
107	0.5039	SLU_calotta	Min	1.164E-13	-6.981E-13	1327.8119
107	0.	SLV_calotta	Max	3.623E-13	-2.703E-12	598.5085
107	0.25195	SLV_calotta	Max	3.623E-13	-2.674E-12	624.4433
107	0.5039	SLV_calotta	Max	3.623E-13	-2.645E-12	646.5192
107	0.	SLV_calotta	Min	3.623E-13	-2.703E-12	598.5085
107	0.25195	SLV_calotta	Min	3.623E-13	-2.674E-12	624.4433
107	0.5039	SLV_calotta	Min	3.623E-13	-2.645E-12	646.5192
108	0.	SLE_dreno	Max	1.647E-13	-1.266E-12	1296.3305
108	0.25195	SLE_dreno	Max	1.647E-13	-1.309E-12	1347.8062
108	0.5039	SLE_dreno	Max	1.647E-13	-1.352E-12	1395.8173
108	0.	SLE_dreno	Min	1.647E-13	-1.266E-12	1296.3305
108	0.25195	SLE_dreno	Min	1.647E-13	-1.309E-12	1347.8062
108	0.5039	SLE_dreno	Min	1.647E-13	-1.352E-12	1395.8173
108	0.	SLU_dreno	Max	2.187E-13	-1.366E-12	1685.4957
108	0.25195	SLU_dreno	Max	2.187E-13	-1.366E-12	1752.4259
108	0.5039	SLU_dreno	Max	2.187E-13	-1.366E-12	1814.852
108	0.	SLU_dreno	Min	2.187E-13	-1.366E-12	1685.4957
108	0.25195	SLU_dreno	Min	2.187E-13	-1.366E-12	1752.4259
108	0.5039	SLU_dreno	Min	2.187E-13	-1.366E-12	1814.852
108	0.	SLV_dreno	Max	1.363E-13	-1.653E-12	1378.7345
108	0.25195	SLV_dreno	Max	1.363E-13	-1.711E-12	1422.6937
108	0.5039	SLV_dreno	Max	1.363E-13	-1.768E-12	1462.7551
108	0.	SLV_dreno	Min	1.363E-13	-1.653E-12	1378.7345
108	0.25195	SLV_dreno	Min	1.363E-13	-1.711E-12	1422.6937
108	0.5039	SLV_dreno	Min	1.363E-13	-1.768E-12	1462.7551
108	0.	SLE_calotta	Max	6.829E-14	-5.476E-13	1021.3937
108	0.25195	SLE_calotta	Max	6.829E-14	-5.620E-13	1061.865
108	0.5039	SLE_calotta	Max	6.829E-14	-5.763E-13	1098.8717
108	0.	SLE_calotta	Min	6.829E-14	-5.476E-13	1021.3937
108	0.25195	SLE_calotta	Min	6.829E-14	-5.620E-13	1061.865
108	0.5039	SLE_calotta	Min	6.829E-14	-5.763E-13	1098.8717
108	0.	SLU_calotta	Max	8.808E-14	-7.127E-13	1327.8119

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T	M2	M3
				KN-m	KN-m	KN-m
108	0.25195	SLU_calotta	Max	8.808E-14	-7.127E-13	1380.4246
108	0.5039	SLU_calotta	Max	8.808E-14	-7.127E-13	1428.5333
108	0.	SLU_calotta	Min	8.808E-14	-7.127E-13	1327.8119
108	0.25195	SLU_calotta	Min	8.808E-14	-7.127E-13	1380.4246
108	0.5039	SLU_calotta	Min	8.808E-14	-7.127E-13	1428.5333
108	0.	SLV_calotta	Max	2.505E-13	-2.674E-12	646.5192
108	0.25195	SLV_calotta	Max	2.505E-13	-2.760E-12	667.6273
108	0.5039	SLV_calotta	Max	2.505E-13	-2.846E-12	684.8376
108	0.	SLV_calotta	Min	2.505E-13	-2.674E-12	646.5192
108	0.25195	SLV_calotta	Min	2.505E-13	-2.760E-12	667.6273
108	0.5039	SLV_calotta	Min	2.505E-13	-2.846E-12	684.8376
109	0.	SLE_dreno	Max	1.153E-13	-1.337E-12	1395.8173
109	0.25195	SLE_dreno	Max	1.153E-13	-1.380E-12	1439.4898
109	0.5039	SLE_dreno	Max	1.153E-13	-1.423E-12	1479.668
109	0.	SLE_dreno	Min	1.153E-13	-1.337E-12	1395.8173
109	0.25195	SLE_dreno	Min	1.153E-13	-1.380E-12	1439.4898
109	0.5039	SLE_dreno	Min	1.153E-13	-1.423E-12	1479.668
109	0.	SLU_dreno	Max	1.422E-13	-2.048E-12	1814.852
109	0.25195	SLU_dreno	Max	1.422E-13	-2.048E-12	1871.6363
109	0.5039	SLU_dreno	Max	1.422E-13	-2.048E-12	1923.8779
109	0.	SLU_dreno	Min	1.422E-13	-2.048E-12	1814.852
109	0.25195	SLU_dreno	Min	1.422E-13	-2.048E-12	1871.6363
109	0.5039	SLU_dreno	Min	1.422E-13	-2.048E-12	1923.8779
109	0.	SLV_dreno	Max	7.773E-14	-1.767E-12	1462.7551
109	0.25195	SLV_dreno	Max	7.773E-14	-1.767E-12	1498.7035
109	0.5039	SLV_dreno	Max	7.773E-14	-1.768E-12	1530.7208
109	0.	SLV_dreno	Min	7.773E-14	-1.767E-12	1462.7551
109	0.25195	SLV_dreno	Min	7.773E-14	-1.767E-12	1498.7035
109	0.5039	SLV_dreno	Min	7.773E-14	-1.768E-12	1530.7208
109	0.	SLE_calotta	Max	4.601E-14	-5.832E-13	1098.8717
109	0.25195	SLE_calotta	Max	4.601E-14	-6.047E-13	1133.2629
109	0.5039	SLE_calotta	Max	4.601E-14	-6.262E-13	1164.1598
109	0.	SLE_calotta	Min	4.601E-14	-5.832E-13	1098.8717
109	0.25195	SLE_calotta	Min	4.601E-14	-6.047E-13	1133.2629
109	0.5039	SLE_calotta	Min	4.601E-14	-6.262E-13	1164.1598
109	0.	SLU_calotta	Max	6.057E-14	-7.483E-13	1428.5333
109	0.25195	SLU_calotta	Max	6.057E-14	-7.627E-13	1473.2419
109	0.5039	SLU_calotta	Max	6.057E-14	-7.771E-13	1513.4078
109	0.	SLU_calotta	Min	6.057E-14	-7.483E-13	1428.5333
109	0.25195	SLU_calotta	Min	6.057E-14	-7.627E-13	1473.2419
109	0.5039	SLU_calotta	Min	6.057E-14	-7.771E-13	1513.4078
109	0.	SLV_calotta	Max	1.500E-13	-2.788E-12	684.8376
109	0.25195	SLV_calotta	Max	1.500E-13	-2.903E-12	701.2648
109	0.5039	SLV_calotta	Max	1.500E-13	-3.018E-12	713.7609
109	0.	SLV_calotta	Min	1.500E-13	-2.788E-12	684.8376
109	0.25195	SLV_calotta	Min	1.500E-13	-2.903E-12	701.2648
109	0.5039	SLV_calotta	Min	1.500E-13	-3.018E-12	713.7609
110	0.	SLE_dreno	Max	5.112E-14	-1.451E-12	1479.668
110	0.25195	SLE_dreno	Max	5.112E-14	-1.480E-12	1515.612
110	0.5039	SLE_dreno	Max	5.112E-14	-1.508E-12	1548.0368
110	0.	SLE_dreno	Min	5.112E-14	-1.451E-12	1479.668
110	0.25195	SLE_dreno	Min	5.112E-14	-1.480E-12	1515.612
110	0.5039	SLE_dreno	Min	5.112E-14	-1.508E-12	1548.0368
110	0.	SLU_dreno	Max	6.401E-14	-1.821E-12	1923.8779
110	0.25195	SLU_dreno	Max	6.401E-14	-2.050E-12	1970.6134
110	0.5039	SLU_dreno	Max	6.401E-14	-2.279E-12	2012.7739
110	0.	SLU_dreno	Min	6.401E-14	-1.821E-12	1923.8779
110	0.25195	SLU_dreno	Min	6.401E-14	-2.050E-12	1970.6134
110	0.5039	SLU_dreno	Min	6.401E-14	-2.279E-12	2012.7739

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
110	0.	SLV_dreno	Max	-4.509E-15	-1.853E-12	1530.7208
110	0.25195	SLV_dreno	Max	-4.509E-15	-1.910E-12	1558.7828
110	0.5039	SLV_dreno	Max	-4.509E-15	-1.967E-12	1582.8857
110	0.	SLV_dreno	Min	-4.509E-15	-1.853E-12	1530.7208
110	0.25195	SLV_dreno	Min	-4.509E-15	-1.910E-12	1558.7828
110	0.5039	SLV_dreno	Min	-4.509E-15	-1.967E-12	1582.8857
110	0.	SLE_calotta	Max	1.889E-14	-6.116E-13	1164.1598
110	0.25195	SLE_calotta	Max	1.889E-14	-6.260E-13	1192.5339
110	0.5039	SLE_calotta	Max	1.889E-14	-6.403E-13	1217.3888
110	0.	SLE_calotta	Min	1.889E-14	-6.116E-13	1164.1598
110	0.25195	SLE_calotta	Min	1.889E-14	-6.260E-13	1192.5339
110	0.5039	SLE_calotta	Min	1.889E-14	-6.403E-13	1217.3888
110	0.	SLU_calotta	Max	2.450E-14	-7.982E-13	1513.4078
110	0.25195	SLU_calotta	Max	2.450E-14	-8.269E-13	1550.2942
110	0.5039	SLU_calotta	Max	2.450E-14	-8.555E-13	1582.6056
110	0.	SLU_calotta	Min	2.450E-14	-7.982E-13	1513.4078
110	0.25195	SLU_calotta	Min	2.450E-14	-8.269E-13	1550.2942
110	0.5039	SLU_calotta	Min	2.450E-14	-8.555E-13	1582.6056
110	0.	SLV_calotta	Max	1.855E-14	-2.987E-12	713.7609
110	0.25195	SLV_calotta	Max	1.855E-14	-2.987E-12	725.6329
110	0.5039	SLV_calotta	Max	1.855E-14	-2.987E-12	733.5458
110	0.	SLV_calotta	Min	1.855E-14	-2.987E-12	713.7609
110	0.25195	SLV_calotta	Min	1.855E-14	-2.987E-12	725.6329
110	0.5039	SLV_calotta	Min	1.855E-14	-2.987E-12	733.5458
111	0.	SLE_dreno	Max	-4.497E-16	-1.508E-12	1548.0368
111	0.25195	SLE_dreno	Max	-4.497E-16	-1.551E-12	1576.3176
111	0.5039	SLE_dreno	Max	-4.497E-16	-1.594E-12	1601.0593
111	0.	SLE_dreno	Min	-4.497E-16	-1.508E-12	1548.0368
111	0.25195	SLE_dreno	Min	-4.497E-16	-1.551E-12	1576.3176
111	0.5039	SLE_dreno	Min	-4.497E-16	-1.594E-12	1601.0593
111	0.	SLU_dreno	Max	-7.105E-15	-1.821E-12	2012.7739
111	0.25195	SLU_dreno	Max	-7.105E-15	-1.821E-12	2049.5454
111	0.5039	SLU_dreno	Max	-7.105E-15	-1.821E-12	2081.7161
111	0.	SLU_dreno	Min	-7.105E-15	-1.821E-12	2012.7739
111	0.25195	SLU_dreno	Min	-7.105E-15	-1.821E-12	2049.5454
111	0.5039	SLU_dreno	Min	-7.105E-15	-1.821E-12	2081.7161
111	0.	SLV_dreno	Max	-7.282E-14	-1.938E-12	1582.8857
111	0.25195	SLV_dreno	Max	-7.282E-14	-1.967E-12	1603.169
111	0.5039	SLV_dreno	Max	-7.282E-14	-1.996E-12	1619.4708
111	0.	SLV_dreno	Min	-7.282E-14	-1.938E-12	1582.8857
111	0.25195	SLV_dreno	Min	-7.282E-14	-1.967E-12	1603.169
111	0.5039	SLV_dreno	Min	-7.282E-14	-1.996E-12	1619.4708
111	0.	SLE_calotta	Max	-4.554E-15	-6.543E-13	1217.3888
111	0.25195	SLE_calotta	Max	-4.554E-15	-6.615E-13	1239.7987
111	0.5039	SLE_calotta	Max	-4.554E-15	-6.687E-13	1258.6694
111	0.	SLE_calotta	Min	-4.554E-15	-6.543E-13	1217.3888
111	0.25195	SLE_calotta	Min	-4.554E-15	-6.615E-13	1239.7987
111	0.5039	SLE_calotta	Min	-4.554E-15	-6.687E-13	1258.6694
111	0.	SLU_calotta	Max	-3.570E-15	-8.480E-13	1582.6056
111	0.25195	SLU_calotta	Max	-3.570E-15	-8.552E-13	1611.7383
111	0.5039	SLU_calotta	Max	-3.570E-15	-8.624E-13	1636.2703
111	0.	SLU_calotta	Min	-3.570E-15	-8.480E-13	1582.6056
111	0.25195	SLU_calotta	Min	-3.570E-15	-8.552E-13	1611.7383
111	0.5039	SLU_calotta	Min	-3.570E-15	-8.624E-13	1636.2703
111	0.	SLV_calotta	Max	-9.279E-14	-3.044E-12	733.5458
111	0.25195	SLV_calotta	Max	-9.279E-14	-3.102E-12	740.9678
111	0.5039	SLV_calotta	Max	-9.279E-14	-3.159E-12	744.4084
111	0.	SLV_calotta	Min	-9.279E-14	-3.044E-12	733.5458
111	0.25195	SLV_calotta	Min	-9.279E-14	-3.102E-12	740.9678

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
111	0.5039	SLV_calotta	Min	-9.279E-14	-3.159E-12	744.4084
112	0.	SLE_dreno	Max	-6.268E-14	-1.479E-12	1601.0593
112	0.25195	SLE_dreno	Max	-6.268E-14	-1.465E-12	1621.7301
112	0.5039	SLE_dreno	Max	-6.268E-14	-1.451E-12	1638.847
112	0.	SLE_dreno	Min	-6.268E-14	-1.479E-12	1601.0593
112	0.25195	SLE_dreno	Min	-6.268E-14	-1.465E-12	1621.7301
112	0.5039	SLE_dreno	Min	-6.268E-14	-1.451E-12	1638.847
112	0.	SLU_dreno	Max	-7.113E-14	-1.707E-12	2081.7161
112	0.25195	SLU_dreno	Max	-7.113E-14	-2.165E-12	2108.5929
112	0.5039	SLU_dreno	Max	-7.113E-14	-2.624E-12	2130.8494
112	0.	SLU_dreno	Min	-7.113E-14	-1.707E-12	2081.7161
112	0.25195	SLU_dreno	Min	-7.113E-14	-2.165E-12	2108.5929
112	0.5039	SLU_dreno	Min	-7.113E-14	-2.624E-12	2130.8494
112	0.	SLV_dreno	Max	-1.502E-13	-1.910E-12	1619.4708
112	0.25195	SLV_dreno	Max	-1.502E-13	-1.910E-12	1632.0639
112	0.5039	SLV_dreno	Max	-1.502E-13	-1.910E-12	1640.6586
112	0.	SLV_dreno	Min	-1.502E-13	-1.910E-12	1619.4708
112	0.25195	SLV_dreno	Min	-1.502E-13	-1.910E-12	1632.0639
112	0.5039	SLV_dreno	Min	-1.502E-13	-1.910E-12	1640.6586
112	0.	SLE_calotta	Max	-2.956E-14	-6.543E-13	1258.6694
112	0.25195	SLE_calotta	Max	-2.956E-14	-6.471E-13	1275.1565
112	0.5039	SLE_calotta	Max	-2.956E-14	-6.400E-13	1288.0896
112	0.	SLE_calotta	Min	-2.956E-14	-6.543E-13	1258.6694
112	0.25195	SLE_calotta	Min	-2.956E-14	-6.471E-13	1275.1565
112	0.5039	SLE_calotta	Min	-2.956E-14	-6.400E-13	1288.0896
112	0.	SLU_calotta	Max	-3.897E-14	-8.338E-13	1636.2703
112	0.25195	SLU_calotta	Max	-3.897E-14	-8.266E-13	1657.7035
112	0.5039	SLU_calotta	Max	-3.897E-14	-8.194E-13	1674.5165
112	0.	SLU_calotta	Min	-3.897E-14	-8.338E-13	1636.2703
112	0.25195	SLU_calotta	Min	-3.897E-14	-8.266E-13	1657.7035
112	0.5039	SLU_calotta	Min	-3.897E-14	-8.194E-13	1674.5165
112	0.	SLV_calotta	Max	-2.145E-13	-3.072E-12	744.4084
112	0.25195	SLV_calotta	Max	-2.145E-13	-3.044E-12	747.4649
112	0.5039	SLV_calotta	Max	-2.145E-13	-3.015E-12	746.5231
112	0.	SLV_calotta	Min	-2.145E-13	-3.072E-12	744.4084
112	0.25195	SLV_calotta	Min	-2.145E-13	-3.044E-12	747.4649
112	0.5039	SLV_calotta	Min	-2.145E-13	-3.015E-12	746.5231
113	0.	SLE_dreno	Max	-1.182E-13	-1.465E-12	1638.847
113	0.25195	SLE_dreno	Max	-1.182E-13	-1.451E-12	1651.9467
113	0.5039	SLE_dreno	Max	-1.182E-13	-1.436E-12	1661.4825
113	0.	SLE_dreno	Min	-1.182E-13	-1.465E-12	1638.847
113	0.25195	SLE_dreno	Min	-1.182E-13	-1.451E-12	1651.9467
113	0.5039	SLE_dreno	Min	-1.182E-13	-1.436E-12	1661.4825
113	0.	SLU_dreno	Max	-1.565E-13	-1.934E-12	2130.8494
113	0.25195	SLU_dreno	Max	-1.565E-13	-2.164E-12	2147.8819
113	0.5039	SLU_dreno	Max	-1.565E-13	-2.393E-12	2160.2813
113	0.	SLU_dreno	Min	-1.565E-13	-1.934E-12	2130.8494
113	0.25195	SLU_dreno	Min	-1.565E-13	-2.164E-12	2147.8819
113	0.5039	SLU_dreno	Min	-1.565E-13	-2.393E-12	2160.2813
113	0.	SLV_dreno	Max	-2.191E-13	-1.867E-12	1640.6586
113	0.25195	SLV_dreno	Max	-2.191E-13	-1.838E-12	1645.6286
113	0.5039	SLV_dreno	Max	-2.191E-13	-1.810E-12	1646.5891
113	0.	SLV_dreno	Min	-2.191E-13	-1.867E-12	1640.6586
113	0.25195	SLV_dreno	Min	-2.191E-13	-1.838E-12	1645.6286
113	0.5039	SLV_dreno	Min	-2.191E-13	-1.810E-12	1646.5891
113	0.	SLE_calotta	Max	-5.378E-14	-6.188E-13	1288.0896
113	0.25195	SLE_calotta	Max	-5.378E-14	-6.116E-13	1298.6835
113	0.5039	SLE_calotta	Max	-5.378E-14	-6.044E-13	1305.7134
113	0.	SLE_calotta	Min	-5.378E-14	-6.188E-13	1288.0896



Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	StepType	T KN-m	M2 KN-m	M3 KN-m
113	0.25195	SLE_calotta	Min	-5.378E-14	-6.116E-13	1298.6835
113	0.5039	SLE_calotta	Min	-5.378E-14	-6.044E-13	1305.7134
113	0.	SLU_calotta	Max	-6.926E-14	-8.195E-13	1674.5165
113	0.25195	SLU_calotta	Max	-6.926E-14	-8.052E-13	1688.2886
113	0.5039	SLU_calotta	Max	-6.926E-14	-7.908E-13	1697.4274
113	0.	SLU_calotta	Min	-6.926E-14	-8.195E-13	1674.5165
113	0.25195	SLU_calotta	Min	-6.926E-14	-8.052E-13	1688.2886
113	0.5039	SLU_calotta	Min	-6.926E-14	-7.908E-13	1697.4274
113	0.	SLV_calotta	Max	-3.258E-13	-2.959E-12	746.5231
113	0.25195	SLV_calotta	Max	-3.258E-13	-2.901E-12	745.2776
113	0.5039	SLV_calotta	Max	-3.258E-13	-2.844E-12	740.0226
113	0.	SLV_calotta	Min	-3.258E-13	-2.959E-12	746.5231
113	0.25195	SLV_calotta	Min	-3.258E-13	-2.901E-12	745.2776
113	0.5039	SLV_calotta	Min	-3.258E-13	-2.844E-12	740.0226
114	0.	SLE_dreno	Max	-1.698E-13	-1.437E-12	1661.4825
114	0.25195	SLE_dreno	Max	-1.698E-13	-1.408E-12	1667.0342
114	0.5039	SLE_dreno	Max	-1.698E-13	-1.379E-12	1669.0169
114	0.	SLE_dreno	Min	-1.698E-13	-1.437E-12	1661.4825
114	0.25195	SLE_dreno	Min	-1.698E-13	-1.408E-12	1667.0342
114	0.5039	SLE_dreno	Min	-1.698E-13	-1.379E-12	1669.0169
114	0.	SLU_dreno	Max	-2.205E-13	-1.821E-12	2160.2813
114	0.25195	SLU_dreno	Max	-2.205E-13	-1.706E-12	2167.4995
114	0.5039	SLU_dreno	Max	-2.205E-13	-1.592E-12	2170.078
114	0.	SLU_dreno	Min	-2.205E-13	-1.821E-12	2160.2813
114	0.25195	SLU_dreno	Min	-2.205E-13	-1.706E-12	2167.4995
114	0.5039	SLU_dreno	Min	-2.205E-13	-1.592E-12	2170.078
114	0.	SLV_dreno	Max	-2.873E-13	-1.839E-12	1646.5891
114	0.25195	SLV_dreno	Max	-2.873E-13	-1.810E-12	1643.9803
114	0.5039	SLV_dreno	Max	-2.873E-13	-1.781E-12	1637.3565
114	0.	SLV_dreno	Min	-2.873E-13	-1.839E-12	1646.5891
114	0.25195	SLV_dreno	Min	-2.873E-13	-1.810E-12	1643.9803
114	0.5039	SLV_dreno	Min	-2.873E-13	-1.781E-12	1637.3565
114	0.	SLE_calotta	Max	-7.601E-14	-6.045E-13	1305.7134
114	0.25195	SLE_calotta	Max	-7.601E-14	-6.045E-13	1310.4309
114	0.5039	SLE_calotta	Max	-7.601E-14	-6.046E-13	1311.5795
114	0.	SLE_calotta	Min	-7.601E-14	-6.045E-13	1305.7134
114	0.25195	SLE_calotta	Min	-7.601E-14	-6.045E-13	1310.4309
114	0.5039	SLE_calotta	Min	-7.601E-14	-6.046E-13	1311.5795
114	0.	SLU_calotta	Max	-9.888E-14	-7.910E-13	1697.4274
114	0.25195	SLU_calotta	Max	-9.888E-14	-7.767E-13	1703.5602
114	0.5039	SLU_calotta	Max	-9.888E-14	-7.623E-13	1705.0534
114	0.	SLU_calotta	Min	-9.888E-14	-7.910E-13	1697.4274
114	0.25195	SLU_calotta	Min	-9.888E-14	-7.767E-13	1703.5602
114	0.5039	SLU_calotta	Min	-9.888E-14	-7.623E-13	1705.0534
114	0.	SLV_calotta	Max	-4.343E-13	-2.902E-12	740.0226
114	0.25195	SLV_calotta	Max	-4.343E-13	-2.844E-12	734.5174
114	0.5039	SLV_calotta	Max	-4.343E-13	-2.787E-12	724.9972
114	0.	SLV_calotta	Min	-4.343E-13	-2.902E-12	740.0226
114	0.25195	SLV_calotta	Min	-4.343E-13	-2.844E-12	734.5174
114	0.5039	SLV_calotta	Min	-4.343E-13	-2.787E-12	724.9972

## 9. Material take-off

This section provides a material take-off.

**Table 22: Material List 2 - By Section Property**

Table 22: Material List 2 - By Section Property				
Section	ObjectType	NumPieces	TotalLength m	TotalWeight KN
C225	Frame	32	16.15218	908.292
C246	Frame	2	1.02151	62.804
C258	Frame	2	1.02151	65.868
C272	Frame	2	1.02151	69.442
C290	Frame	2	1.02151	74.038
C312	Frame	2	0.9997	77.953
C302	Frame	2	0.9997	75.455
C274	Frame	2	0.9997	68.459
C249	Frame	2	0.9997	62.213
C228	Frame	2	0.9997	56.966
C209	Frame	2	0.9997	52.219
C193	Frame	2	0.9997	48.221
C180	Frame	2	0.9997	44.973
C170	Frame	4	1.98513	84.343
C163	Frame	4	1.98513	80.87
C159	Frame	2	0.9997	39.726
C157	Frame	2	0.86463	33.927
C158	Frame	2	0.86463	34.143
C161	Frame	2	0.86463	34.791
C167	Frame	2	0.86463	36.088
C175	Frame	4	1.93246	84.52
C186	Frame	2	0.94703	44.024
C200	Frame	6	2.91789	145.852
C138	Frame	2	0.98543	33.987
C147	Frame	2	0.98543	36.204
C122	Frame	2	0.98543	30.047
C132	Frame	2	0.98543	32.51
C140	Frame	2	0.98543	34.48
C149	Frame	2	0.98543	36.696
C156	Frame	2	0.98543	38.42
C181	Frame	2	0.98543	44.578
C185	Frame	2	0.98543	45.563
C189	Frame	2	0.98543	46.548
C192	Frame	2	0.98543	47.287
C195	Frame	2	0.98543	48.026
C197	Frame	2	0.98543	48.518
C199	Frame	2	0.98543	49.011

## 10. Design preferences

This section provides the design preferences for each type of design, which typically include material reduction factors, framing type, stress ratio limit, deflection limits, and other code specific items.

### 10.1. Steel design

**Table 23: Preferences - Steel Design - AISC 360-10, Part 1 of 4**

Table 23: Preferences - Steel Design - AISC 360-10, Part 1 of 4								
THDesign	FrameType	PatLLF	SRatioLimit	MaxIter	SDC	SeisCode	SeisLoad	ImpFactor
Envelopes	SMF	0.75	0.95	1	D	Yes	Yes	1.

**Table 23: Preferences - Steel Design - AISC 360-10, Part 2 of 4**

Table 23: Preferences - Steel Design - AISC 360-10, Part 2 of 4								
SystemRho	SystemSds	SystemR	SystemCd	Omega0	Provision	AMethod	SOMethod	SRMethod
1.	0.5	8.	5.5	3.	LRFD	Direct Analysis	General 2nd Order	Tau-b Fixed

**Table 23: Preferences - Steel Design - AISC 360-10, Part 3 of 4**

Table 23: Preferences - Steel Design - AISC 360-10, Part 3 of 4								
NLCoeff	PhiB	PhiC	PhiTY	PhiTF	PhiV	PhiVRolledI	PhiVT	PlugWeld
0.002	0.9	0.9	0.9	0.75	0.9	1.	0.9	Yes

**Table 23: Preferences - Steel Design - AISC 360-10, Part 4 of 4**

Table 23: Preferences - Steel Design - AISC 360-10, Part 4 of 4							
HSSWelding	HSSReduce T	CheckDefl	DLRat	SDLAndLLR at	LLRat	TotalRat	NetRat
ERW	No	No	120.	120.	360.	240.	240.

## 10.2. Concrete design

**Table 24: Preferences - Concrete Design - ACI 318-11, Part 1 of 2**

Table 24: Preferences - Concrete Design - ACI 318-11, Part 1 of 2								
THDesign	NumCurves	NumPoints	MinEccen	PatLLF	UFLimit	SeisCat	Rho	Sds
Envelopes	24	11	Yes	0.75	0.95	D	1.	0.5

**Table 24: Preferences - Concrete Design - ACI 318-11, Part 2 of 2**

Table 24: Preferences - Concrete Design - ACI 318-11, Part 2 of 2					
PhiT	PhiCTied	PhiCSpiral	PhiV	PhiVSeismic	PhiVJoint
0.9	0.65	0.75	0.75	0.6	0.85

## 10.3. Aluminum design

**Table 25: Preferences - Aluminum Design - AA-ASD 2000**

Table 25: Preferences - Aluminum Design - AA-ASD 2000			
FrameType	SRatioLimit	LatFact	UseLatFact
Moment Frame	1.	1.333333	No

## 10.4. Cold formed design

**Table 26: Preferences - Cold Formed Design - AISI-ASD96**

Table 26: Preferences - Cold Formed Design - AISI-ASD96

FrameType	SRatioLimit	OmegaBS	OmegaBUS	OmegaBLTB	OmegaVS	OmegaVNS	OmegaT	OmegaC
Braced Frame	1.	1.67	1.67	1.67	1.67	1.5	1.67	1.8

## 11. Design overwrites

This section provides the design overwrites for each type of design, which are assigned to individual members of the structure.

### 11.1. Concrete design

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 1 of 2**

Table 27: Overwrites - Concrete Design - ACI 318-11, Part 1 of 2

Frame	DesignSect	FrameType	RLLF	XMLMajor	XMLMinor	XKMMajor
1	Program Determined	Program Determined	0.	0.	0.	0.
2	Program Determined	Program Determined	0.	0.	0.	0.
3	Program Determined	Program Determined	0.	0.	0.	0.
4	Program Determined	Program Determined	0.	0.	0.	0.
5	Program Determined	Program Determined	0.	0.	0.	0.
6	Program Determined	Program Determined	0.	0.	0.	0.
7	Program Determined	Program Determined	0.	0.	0.	0.
8	Program Determined	Program Determined	0.	0.	0.	0.
9	Program Determined	Program Determined	0.	0.	0.	0.
10	Program Determined	Program Determined	0.	0.	0.	0.
11	Program Determined	Program Determined	0.	0.	0.	0.
12	Program Determined	Program Determined	0.	0.	0.	0.
13	Program Determined	Program Determined	0.	0.	0.	0.
14	Program Determined	Program Determined	0.	0.	0.	0.
15	Program Determined	Program Determined	0.	0.	0.	0.
16	Program Determined	Program Determined	0.	0.	0.	0.
17	Program Determined	Program Determined	0.	0.	0.	0.
18	Program Determined	Program Determined	0.	0.	0.	0.
19	Program Determined	Program Determined	0.	0.	0.	0.
20	Program Determined	Program Determined	0.	0.	0.	0.
21	Program Determined	Program Determined	0.	0.	0.	0.
22	Program Determined	Program Determined	0.	0.	0.	0.
23	Program Determined	Program Determined	0.	0.	0.	0.
24	Program Determined	Program Determined	0.	0.	0.	0.
25	Program Determined	Program Determined	0.	0.	0.	0.
26	Program Determined	Program Determined	0.	0.	0.	0.
27	Program Determined	Program Determined	0.	0.	0.	0.
28	Program Determined	Program Determined	0.	0.	0.	0.
29	Program Determined	Program Determined	0.	0.	0.	0.
30	Program Determined	Program Determined	0.	0.	0.	0.
31	Program Determined	Program Determined	0.	0.	0.	0.
32	Program Determined	Program Determined	0.	0.	0.	0.
33	Program Determined	Program Determined	0.	0.	0.	0.
34	Program Determined	Program Determined	0.	0.	0.	0.
35	Program Determined	Program Determined	0.	0.	0.	0.

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 1 of 2**

Frame	DesignSect	FrameType	RLLF	XMLMajor	XMLMinor	XKMajor
36	Program Determined	Program Determined	0.	0.	0.	0.
37	Program Determined	Program Determined	0.	0.	0.	0.
38	Program Determined	Program Determined	0.	0.	0.	0.
39	Program Determined	Program Determined	0.	0.	0.	0.
40	Program Determined	Program Determined	0.	0.	0.	0.
41	Program Determined	Program Determined	0.	0.	0.	0.
42	Program Determined	Program Determined	0.	0.	0.	0.
43	Program Determined	Program Determined	0.	0.	0.	0.
44	Program Determined	Program Determined	0.	0.	0.	0.
45	Program Determined	Program Determined	0.	0.	0.	0.
46	Program Determined	Program Determined	0.	0.	0.	0.
47	Program Determined	Program Determined	0.	0.	0.	0.
48	Program Determined	Program Determined	0.	0.	0.	0.
49	Program Determined	Program Determined	0.	0.	0.	0.
50	Program Determined	Program Determined	0.	0.	0.	0.
51	Program Determined	Program Determined	0.	0.	0.	0.
52	Program Determined	Program Determined	0.	0.	0.	0.
53	Program Determined	Program Determined	0.	0.	0.	0.
54	Program Determined	Program Determined	0.	0.	0.	0.
55	Program Determined	Program Determined	0.	0.	0.	0.
56	Program Determined	Program Determined	0.	0.	0.	0.
57	Program Determined	Program Determined	0.	0.	0.	0.
58	Program Determined	Program Determined	0.	0.	0.	0.
59	Program Determined	Program Determined	0.	0.	0.	0.
60	Program Determined	Program Determined	0.	0.	0.	0.
61	Program Determined	Program Determined	0.	0.	0.	0.
62	Program Determined	Program Determined	0.	0.	0.	0.
63	Program Determined	Program Determined	0.	0.	0.	0.
64	Program Determined	Program Determined	0.	0.	0.	0.
65	Program Determined	Program Determined	0.	0.	0.	0.
66	Program Determined	Program Determined	0.	0.	0.	0.
67	Program Determined	Program Determined	0.	0.	0.	0.
68	Program Determined	Program Determined	0.	0.	0.	0.
69	Program Determined	Program Determined	0.	0.	0.	0.
70	Program Determined	Program Determined	0.	0.	0.	0.
71	Program Determined	Program Determined	0.	0.	0.	0.
72	Program Determined	Program Determined	0.	0.	0.	0.
73	Program Determined	Program Determined	0.	0.	0.	0.
74	Program Determined	Program Determined	0.	0.	0.	0.
75	Program Determined	Program Determined	0.	0.	0.	0.
76	Program Determined	Program Determined	0.	0.	0.	0.
77	Program Determined	Program Determined	0.	0.	0.	0.
78	Program Determined	Program Determined	0.	0.	0.	0.
79	Program Determined	Program Determined	0.	0.	0.	0.
80	Program Determined	Program Determined	0.	0.	0.	0.
81	Program Determined	Program Determined	0.	0.	0.	0.
82	Program Determined	Program Determined	0.	0.	0.	0.
83	Program Determined	Program Determined	0.	0.	0.	0.
84	Program Determined	Program Determined	0.	0.	0.	0.
85	Program Determined	Program Determined	0.	0.	0.	0.
86	Program Determined	Program Determined	0.	0.	0.	0.
87	Program Determined	Program Determined	0.	0.	0.	0.
88	Program Determined	Program Determined	0.	0.	0.	0.
89	Program Determined	Program Determined	0.	0.	0.	0.
90	Program Determined	Program Determined	0.	0.	0.	0.
91	Program Determined	Program Determined	0.	0.	0.	0.
92	Program Determined	Program Determined	0.	0.	0.	0.
93	Program Determined	Program Determined	0.	0.	0.	0.
94	Program Determined	Program Determined	0.	0.	0.	0.

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 1 of 2**

Frame	DesignSect	FrameType	RLLF	XMLMajor	XLMinor	XKMajor
95	Program Determined	Program Determined	0.	0.	0.	0.
96	Program Determined	Program Determined	0.	0.	0.	0.
97	Program Determined	Program Determined	0.	0.	0.	0.
98	Program Determined	Program Determined	0.	0.	0.	0.
99	Program Determined	Program Determined	0.	0.	0.	0.
100	Program Determined	Program Determined	0.	0.	0.	0.
101	Program Determined	Program Determined	0.	0.	0.	0.
102	Program Determined	Program Determined	0.	0.	0.	0.
103	Program Determined	Program Determined	0.	0.	0.	0.
104	Program Determined	Program Determined	0.	0.	0.	0.
105	Program Determined	Program Determined	0.	0.	0.	0.
106	Program Determined	Program Determined	0.	0.	0.	0.
107	Program Determined	Program Determined	0.	0.	0.	0.
108	Program Determined	Program Determined	0.	0.	0.	0.
109	Program Determined	Program Determined	0.	0.	0.	0.
110	Program Determined	Program Determined	0.	0.	0.	0.
111	Program Determined	Program Determined	0.	0.	0.	0.
112	Program Determined	Program Determined	0.	0.	0.	0.
113	Program Determined	Program Determined	0.	0.	0.	0.
114	Program Determined	Program Determined	0.	0.	0.	0.

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 2 of 2**

**Table 27: Overwrites - Concrete Design - ACI 318-11, Part 2 of 2**

Frame	XKMinor	CmMajor	CmMinor	DnsMajor	DnsMinor	DsMajor	DsMinor
1	0.	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.

Table 27: Overwrites - Concrete Design - ACI 318-11, Part 2 of 2

Frame	XKMinor	CmMajor	CmMinor	DnsMajor	DnsMinor	DsMajor	DsMinor
33	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.
36	0.	0.	0.	0.	0.	0.	0.
37	0.	0.	0.	0.	0.	0.	0.
38	0.	0.	0.	0.	0.	0.	0.
39	0.	0.	0.	0.	0.	0.	0.
40	0.	0.	0.	0.	0.	0.	0.
41	0.	0.	0.	0.	0.	0.	0.
42	0.	0.	0.	0.	0.	0.	0.
43	0.	0.	0.	0.	0.	0.	0.
44	0.	0.	0.	0.	0.	0.	0.
45	0.	0.	0.	0.	0.	0.	0.
46	0.	0.	0.	0.	0.	0.	0.
47	0.	0.	0.	0.	0.	0.	0.
48	0.	0.	0.	0.	0.	0.	0.
49	0.	0.	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.
51	0.	0.	0.	0.	0.	0.	0.
52	0.	0.	0.	0.	0.	0.	0.
53	0.	0.	0.	0.	0.	0.	0.
54	0.	0.	0.	0.	0.	0.	0.
55	0.	0.	0.	0.	0.	0.	0.
56	0.	0.	0.	0.	0.	0.	0.
57	0.	0.	0.	0.	0.	0.	0.
58	0.	0.	0.	0.	0.	0.	0.
59	0.	0.	0.	0.	0.	0.	0.
60	0.	0.	0.	0.	0.	0.	0.
61	0.	0.	0.	0.	0.	0.	0.
62	0.	0.	0.	0.	0.	0.	0.
63	0.	0.	0.	0.	0.	0.	0.
64	0.	0.	0.	0.	0.	0.	0.
65	0.	0.	0.	0.	0.	0.	0.
66	0.	0.	0.	0.	0.	0.	0.
67	0.	0.	0.	0.	0.	0.	0.
68	0.	0.	0.	0.	0.	0.	0.
69	0.	0.	0.	0.	0.	0.	0.
70	0.	0.	0.	0.	0.	0.	0.
71	0.	0.	0.	0.	0.	0.	0.
72	0.	0.	0.	0.	0.	0.	0.
73	0.	0.	0.	0.	0.	0.	0.
74	0.	0.	0.	0.	0.	0.	0.
75	0.	0.	0.	0.	0.	0.	0.
76	0.	0.	0.	0.	0.	0.	0.
77	0.	0.	0.	0.	0.	0.	0.
78	0.	0.	0.	0.	0.	0.	0.
79	0.	0.	0.	0.	0.	0.	0.
80	0.	0.	0.	0.	0.	0.	0.
81	0.	0.	0.	0.	0.	0.	0.
82	0.	0.	0.	0.	0.	0.	0.
83	0.	0.	0.	0.	0.	0.	0.
84	0.	0.	0.	0.	0.	0.	0.
85	0.	0.	0.	0.	0.	0.	0.
86	0.	0.	0.	0.	0.	0.	0.
87	0.	0.	0.	0.	0.	0.	0.
88	0.	0.	0.	0.	0.	0.	0.
89	0.	0.	0.	0.	0.	0.	0.
90	0.	0.	0.	0.	0.	0.	0.
91	0.	0.	0.	0.	0.	0.	0.

Table 27: Overwrites - Concrete Design - ACI 318-11, Part 2 of 2

Frame	XKMinor	CmMajor	CmMinor	DnsMajor	DnsMinor	DsMajor	DsMinor
92	0.	0.	0.	0.	0.	0.	0.
93	0.	0.	0.	0.	0.	0.	0.
94	0.	0.	0.	0.	0.	0.	0.
95	0.	0.	0.	0.	0.	0.	0.
96	0.	0.	0.	0.	0.	0.	0.
97	0.	0.	0.	0.	0.	0.	0.
98	0.	0.	0.	0.	0.	0.	0.
99	0.	0.	0.	0.	0.	0.	0.
100	0.	0.	0.	0.	0.	0.	0.
101	0.	0.	0.	0.	0.	0.	0.
102	0.	0.	0.	0.	0.	0.	0.
103	0.	0.	0.	0.	0.	0.	0.
104	0.	0.	0.	0.	0.	0.	0.
105	0.	0.	0.	0.	0.	0.	0.
106	0.	0.	0.	0.	0.	0.	0.
107	0.	0.	0.	0.	0.	0.	0.
108	0.	0.	0.	0.	0.	0.	0.
109	0.	0.	0.	0.	0.	0.	0.
110	0.	0.	0.	0.	0.	0.	0.
111	0.	0.	0.	0.	0.	0.	0.
112	0.	0.	0.	0.	0.	0.	0.
113	0.	0.	0.	0.	0.	0.	0.
114	0.	0.	0.	0.	0.	0.	0.