Sanas
GRUPPO FS ITALIANE

Direzione Tecnica

S.S. 67 "Tosco Romagnola"
Lavori di adeguamento della S.S. 67 nel tratto tra la località S.Francesco in Comune di Pelago e l'abitato di Dicomano.
Variante di Rufina (FI) – LOTTI 2A e 2B

PROGETTO DEFINITIVO

COD. FI462

PROGETTAZIONE:
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TEMPORANEO PROGETTISTI

MANDATARIA:
PRO ITER Progetto Infrastrutture Territorio s.r.l.

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14 - GALLERIE

14.01 - Galleria Montebello

Imbocco Nord - Scavi in Sotterraneo

Relazione di calcolo Concio di attacco

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REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
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1 PREMESSE

La presente relazione affronta le problematiche progettuali connesse alle opere per la sistemazione definitiva dell'imbocco Nord della Galleria Montebonello, facente parte del progetto definitivo di adeguamento della SS 67 "Tosco Romagnola" nel tratto tra la località S. Francesco in Comune di Pelago e l'abitato di Dicomano – Variante di Rufina (FI)- Lotti 2A e 2B.

Nel suo complesso la galleria Monte Montebonello si sviluppa a partire dalla pk 2+019.50 alla pk 2+986.80; la parte artificiale è limitata tra le progressive 2+019.50 e 2+066.00 (imbocco Sud) e tra 2+982.00 e 2+986.80 (imbocco Nord), essendo il rimanente tratto in naturale.

A ridosso dell'imbocco Nord, a una distanza di circa 10m dalla fine del tratto in artificiale, si trova la spalla Sud del viadotto Sieve 2.

Il tratto in artificiale dell'imbocco nord ha una lunghezza totale di 4.80m, di cui un tratto di 4m di concio d'attacco gettato sotto la dima e una parete di chiusura dallo spessore totale di 80cm. La dima viene realizzata in fase provvisoria per garantire la sicurezza dello scavo della galleria naturale ma perde la sua funzione in fase definitiva quando tutta la resistenza è affidata al concio d'attacco. La dima e il concio verranno completamente ritombati in fase definitiva con materiale proveniente dagli scavi. Una canaletta posta ai limiti del ritombamento garantirà l'allontanamento delle acque meteoriche provenienti dal pendio a monte.

Il tratto in artificiale si chiude con una parete frontale con un rivestimento in pietra naturale.

La planimetria dell'area di interesse e il profilo in asse galleria in fase definitiva sono riportati rispettivamente in Figura 1 e Figura 2. In Figura 3 è riportata la sezione iniziale dell'imbocco Nord.

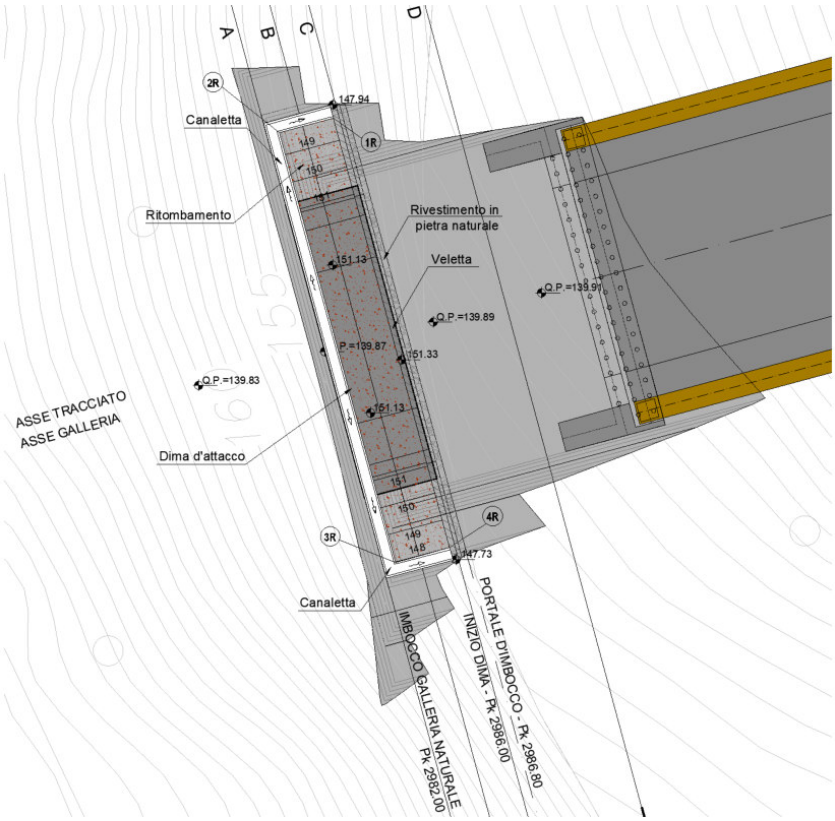


Figura 1 Planimetria tratta artificiale – Galleria Montebonello - Imbocco Nord

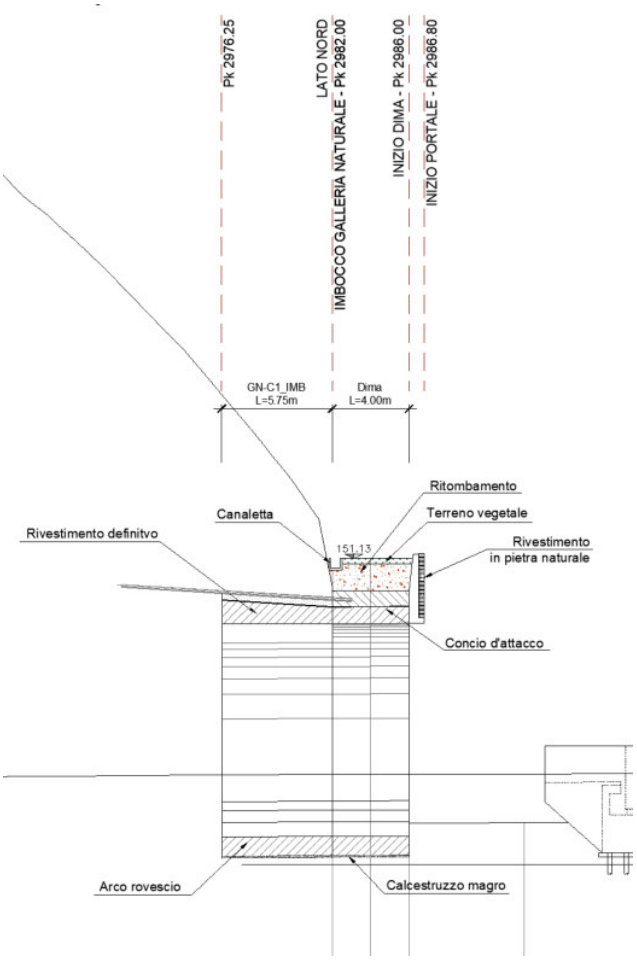


Figura 2 Profilo tratta artificiale – Galleria Montebonello - Imbocco Nord

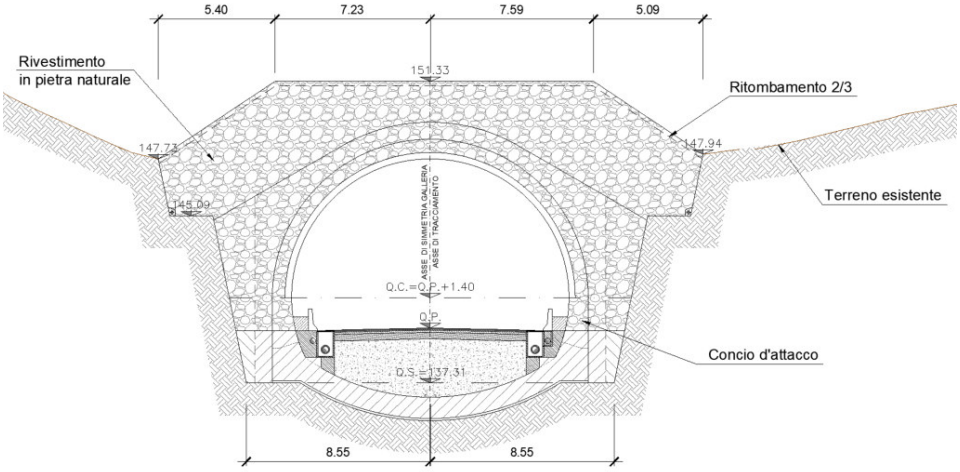


Figura 3: Parete di imbocco – Galleria Montebonello - Imbocco Nord

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;

2.1.2 Norme UNI

- **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 4th edition** – McGraw-Hill – New York, 1988

2.3 Documenti di progetto

[1] T00GE02GETRE01 - Relazione geotecnica generale
[2] T00GE01GEORE02 - Relazione geomeccanica
[3] T00GE03GETRE01 - Relazione sismica
[4] P01GA02OSTPL01 – Imbocco Nord - Sistemazione definitiva - Planimetria
[5] P01GA02OSTDT02 – Imbocco Nord – Sistemazione definitiva - Profilo e sezioni
[6] P01GA02OSTDI03 – Imbocco Nord – Dima e Concio d'attacco - Carpenteria e fasi costruttive
[7] P01GA02OSTDI05 – Imbocco Nord – Concio d'attacco - Carpenteria

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.

4 MATERIALI

4.1 Calcestruzzo per rivestimenti definitivi in calotta

Classe di resistenza	C28/35	-
Rapporto massimo acqua / cemento	0.60	-
Slump	S4	-
Contenuto minimo di cemento	300	kg/m^3
Diametro massimo inerte	32	mm
Classe di esposizione	XC2	-
Copriferro minimo	5.0	cm

Resistenza caratteristica a compressione cubica	R_{ck}	=		35.00	N/mm^2
Resistenza caratteristica a compressione cilindrica	f_{ck}	=		29.05	N/mm^2
Resistenza media a compressione cilindrica	f_{cm}	=	$f_{ck}+8$	= 37.05	N/mm^2
Modulo elastico	E_c	=	$22000\times(f_{cm}/10)^{0.3}$	= 32588.1	N/mm^2
Resistenza a trazione semplice	f_{ctm}	=	$0.30\times f_{ck}^{2/3}$	= 2.83	N/mm^2
Resistenza a trazione caratteristica (frattile 5%)	f_{ctk}	=	$0.70\times f_{ctm}$	= 1.98	N/mm^2
Stato Limite Ultimo					
Coefficiente parziale di sicurezza	γ_C	=		1.50	-
Coefficiente riduttivo per resistenze di lunga durata	α_{cc}	=		0.85	-
Resistenza a compressione di calcolo	f_{cd}	=	$\alpha_{cc}\times f_{ck}/\gamma_C$	= 16.46	N/mm^2
Resistenza a trazione di calcolo	f_{ctd}	=	f_{ctk}/γ_C	= 1.32	N/mm^2
Stato Limite di Esercizio					
Tensione max di compressione - Comb. rara	σ_c	<	$0.60\times f_{ck}$	= 17.4	N/mm^2
Tensione max di compressione - Comb. quasi permanente	σ_c	<	$0.45\times f_{ck}$	= 13.1	N/mm^2

4.2 Calcestruzzo per rivestimenti definitivi in arco rovescio

Classe di resistenza	C28/35	-
Rapporto massimo acqua / cemento	0.60	-
Slump	S4	-
Contenuto minimo di cemento	300	kg/m^3
Diametro massimo inerte	32	mm
Classe di esposizione	XC2	-
Copriferro minimo	5.0	cm

Resistenza caratteristica a compressione cubica	R_{ck}	=		35.00	N/mm^2
Resistenza caratteristica a compressione cilindrica	f_{ck}	=		29.05	N/mm^2
Resistenza media a compressione cilindrica	f_{cm}	=	$f_{ck}+8$	= 37.05	N/mm^2
Modulo elastico	E_c	=	$22000\times(f_{cm}/10)^{0.3}$	= 32588.1	N/mm^2

Resistenza a trazione semplice	f_{ctm}	=	$0.30 \times f_{ck}^{2/3}$	= 2.83	N/mm²
Resistenza a trazione caratteristica (frattile 5%)	f_{ctk}	=	$0.70 \times f_{ctm}$	= 1.98	N/mm²
Stato Limite Ultimo					
Coefficiente parziale di sicurezza	γ_C	=		1.50	-
Coefficiente riduttivo per resistenze di lunga durata	α_{cc}	=		0.85	-
Resistenza a compressione di calcolo	f_{cd}	=	$\alpha_{cc} \times f_{ck} / \gamma_C$	= 16.46	N/mm²
Resistenza a trazione di calcolo	f_{ctd}	=	f_{ctk} / γ_C	= 1.32	N/mm²
Stato Limite di Esercizio					
Tensione max di compressione - Comb. rara	σ_c	<	$0.60 \times f_{ck}$	= 17.4	N/mm²
Tensione max di compressione - Comb. quasi permanente	σ_c	<	$0.45 \times f_{ck}$	= 13.1	N/mm²

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/mm²
Tensione caratteristica di snervamento (frattile 5%)	f_{yk}	=		450.00	N/mm²
Stato Limite Ultimo					
Coefficiente parziale di sicurezza	γ_S	=		1.15	--
Resistenza a trazione di calcolo	f_{yd}	=	f_{yk} / γ_S	= 391.30	N/mm²
Stato Limite di Esercizio					
Tensione massima di trazione	σ_s	<	$0.80 \times f_{yk}$	= 360.00	N/mm²

5 CARATTERIZZAZIONE GEOTECNICA

La trattazione completa della configurazione geologica e geotecnica in prossimità delle opere in oggetto è riportata in [1] e [2].

L'imbocco Nord della galleria Montebonello è completamente in roccia (Siltiti di Poggiolo Salaisiole - PLO) e gli scavi di approccio alla parete di attacco sono realizzati con degli sbancamenti al 5/1. In fase definitiva il concio d'attacco viene gettato sotto la dima che viene ricoperta in calotta da un materiale di riempimento derivante dagli scavi. Entrambi i piedritti della dima sono gettati contro la parete rocciosa.
La Figura 4 mostra il profilo geologico in corrispondenza dei tratti in artificiale dell'imbocco Nord.

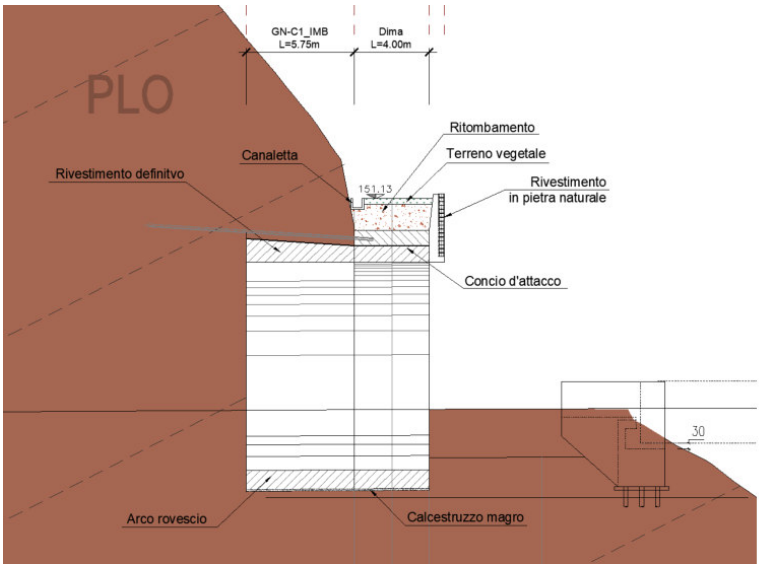


Figura 4: Galleria Montebonello - Imbocco Nord

La falda non interferisce con la galleria.

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

Materiale	γ_n [kN/m^3]	**c'** [kPa]	**ϕ'** [°]	**E_{vc}** [MPa]	**ν** [-]
PLO	25	413	55	2054	0,2
Riempimento	18	0	30	40	0,3

Tabella 1: caratterizzazione geotecnica

Dove:

γ_n	peso di volume naturale
c'	coesione
ϕ'	angolo di attrito
E_{vc}	modulo elastico carico
E_{ur}	modulo elastico ricarico
ν	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:

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

dove:

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

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

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

$$\sigma_{cp} = \frac{N_{Ed}}{A_c} \leq 0.2 \cdot f_{cd}$$ 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:

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

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:

- ϑ inclinazione dei puntoni di calcestruzzo rispetto all'asse dell'elemento con la limitazione $1.0 \leq ctg\ \vartheta \leq 2.5$;
- α 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;
- α_c coefficiente maggiorativi pari a:

1	per membrature 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:

$$\text{cotg}\vartheta_I \leq \text{cotg}\vartheta$$

in cui:

- ϑ_I angolo di inclinazione della prima fessurazione ricavato come cotg ϑ_I/σ_I
- τ tensione tangenziale sulla corda baricentrica della sezione interamente reagente
- σ_I 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 $\sigma_c < 0.60 \cdot f_{ck} = 17.4$Mpa
  - Combinazione quasi permanente $\sigma_c < 0.45 \cdot f_{ck} = 13.1$Mpa
- Acciaio teso:
  - Combinazione caratteristica o rara $\sigma_s < 0.80 \cdot f_{yk} = 360$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	≤ w_3 = 0.4mm	Sensibili	≤ w_2 = 0.3mm
		quasi permanente		≤ w_2 = 0.3mm		≤ w_1 = 0.2mm
B	Aggressive	frequente	Poco sensibili	≤ w_2 = 0.3mm	Sensibili	≤ w_1 = 0.2mm
		quasi permanente		≤ w_1 = 0.2mm		-
C	Molto aggressive	frequente	Poco sensibili	≤ w_1 = 0.2mm	Sensibili	-
		quasi permanente		≤ w_1 = 0.2mm		-

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 sia la calotta che l'arco rovescio si trovano in condizioni ambientali ordinarie (XC2), 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 σ_s [MPa]	Diametro massimo ϕ 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 5

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

Tensione nell'acciaio σ_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 6

7 CONCIO D'ATTACCO

7.1 Descrizione della sezione tipo

La sezione tipo del concio d'attacco è una sezione monocentrica con raggio interno di calotta pari a 6.45m e un raggio interno di arco rovescio di 10.14m.
Lo spessore del rivestimento è pari a 90cm in calotta e 100cm in arco rovescio. In corrispondenza dei ritti, la sezione ha uno spessore variabile da un minimo di 90 cm in corrispondenza del piano dei centri fino a circa 120cm in corrispondenza della muretta. I piedritti hanno un'altezza di 382cm a partire dal piano di posa delle murette fino al piano dei centri. Le murette presentano un piano di posa orizzontale di 135cm.
Tutte le caratteristiche geometriche sono riportate in [7].

7.2 Sezioni di verifica

Ai fini del dimensionamento statico del concio d'attacco è stata presa in considerazione la sezione alla pk 2+982 riportata in Figura 7 e messa in evidenza nel profilo di Figura 8. La dima è ricoperta da materiale di riempimento con un andamento orizzontale e avente uno spessore in asse pari a circa 1.7m. Si considera che in fase definitiva la dima perda ogni capacità di resistenza e tutto il peso del terreno di riempimento, per un'altezza totale in asse di 2.5m, gravi sul concio d'attacco.

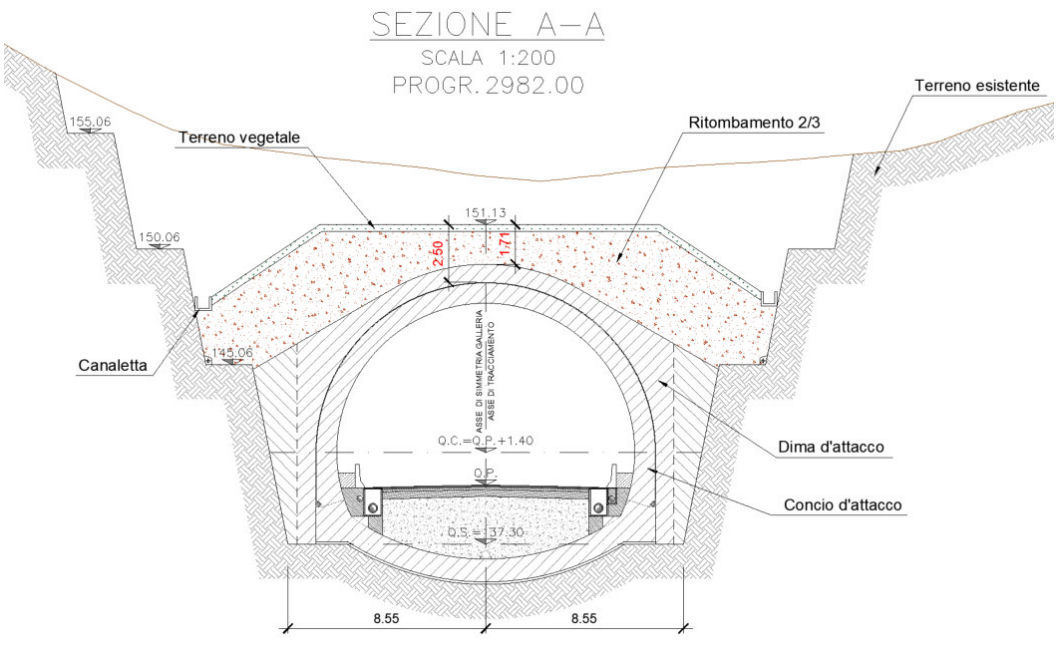


Figura 7: Sezione di verifica

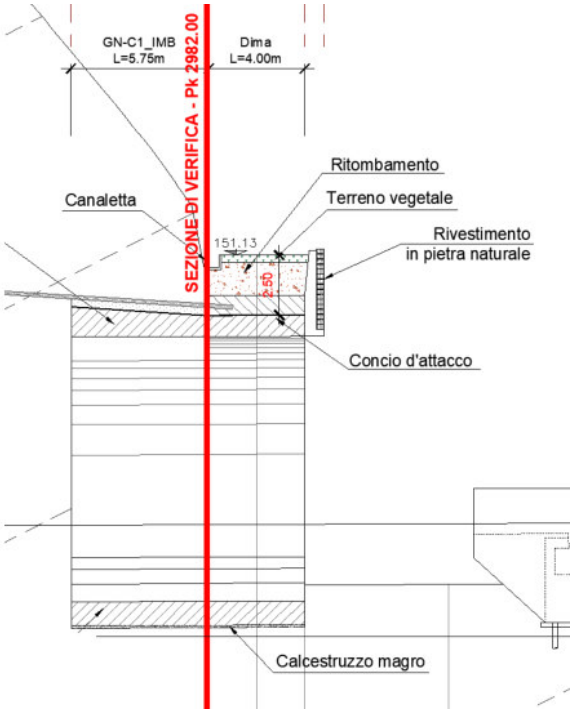


Figura 8: Profilo imbocco Nord galleria Montebonello con individuazione sezione di verifica

7.3 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 9). Gli spessori delle aste variano in funzione dell'elemento strutturale (arco rovescio, ritti, muretta, calotta) considerato (si veda Figura 10).

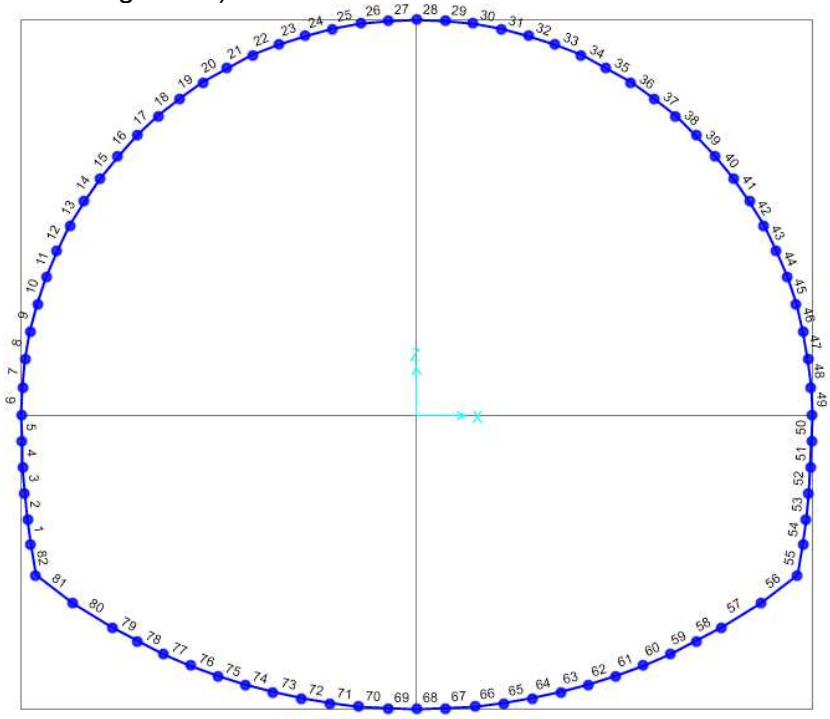


Figura 9: Modello sezione trasversale

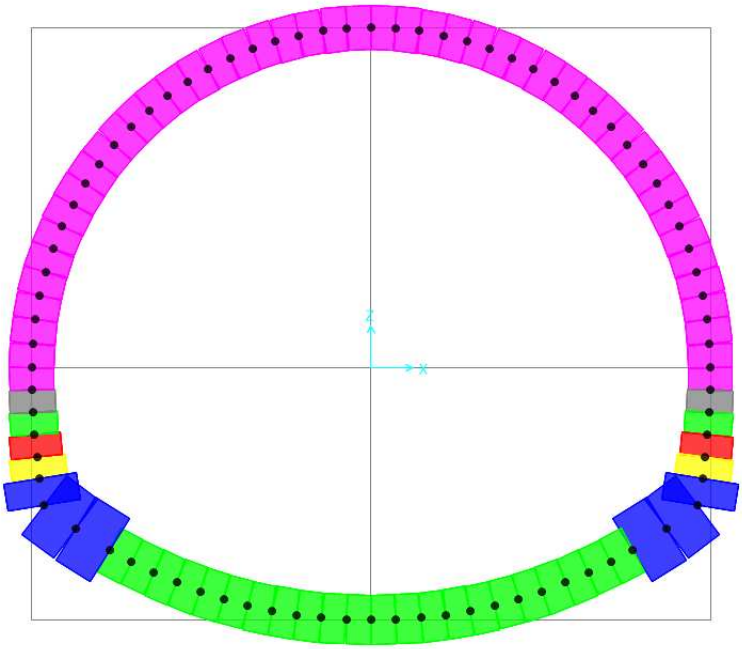


Figura 10: Modello sezione trasversale – spessore aste

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 rigidezza 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) nell'ipotesi di deformazioni piane.

- <u>Boussinesq</u> (per superfici piane o assimilabili, ovvero per i piedritti):

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

Essendo:
E modulo di elasticità della formazione PLO come riportato in Tabella 1;
ν coefficiente di Poisson della formazione PLO come riportato in Tabella 1;
C_d coefficiente di forma.

Il coefficiente di forma è dato in funzione delle caratteristiche geometriche della superficie di contatto terreno-struttura: la Tabella 4, in cui L e B sono rispettivamente lunghezza e base della ipotetica fondazione, riassume i valori considerati. La grandezza L è stata considerata pari all'altezza tra la base della muretta e il punto in cui termina il contatto tra il getto di cls e l'ammasso (L = 7.67m), mentre la lunghezza B è stata assunta pari alla lunghezza del tratto in artificiale (B = 4m).

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 11.

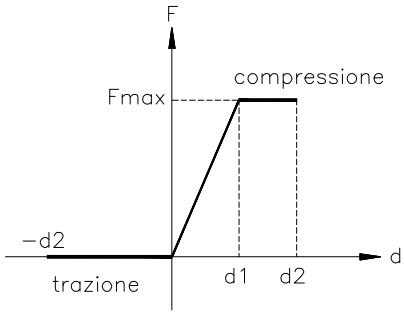


Figura 11: Legge forza-spostamento link

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):

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

Essendo:
E modulo di elasticità dell'ammasso;
ν coefficiente di Poisson dell'ammasso;
R_{eq} raggio di curvatura equivalente.

Nell'arco rovescio è stato considerato il modulo elastico della formazione PLO come riportato in Tabella 1 e un raggio equivalente R_{eq} pari a 11.14m. In calotta, date le ridotte coperture, è stata trascurata la rigidezza offerta dal terreno.
La rigidezza flessionale della muretta è simulata attraverso una molla rotazionale applicata nei nodi 56 e 82 avente 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.

La rigidezza verticale alla base della muretta è calcolata con la formula di Bussinesq per superfici piane per una lunghezza di 1,35m, pari alla sezione di base della muretta. Tale rigidezza è applicata nel modello come delle molle lineari lungo le aste 56-57 e 80-81 che reagiscono in direzione verticale.
Per quanto riguarda la costante di Boussinesq alla base della muretta, è stato posto un limite superiore ad un valore pari a 3 volte la costante ottenuta con il metodo di Galerkin sull'arco rovescio.

La Tabella 5 esplicita quale rigidezza è stata attribuita a ciascuna asta/nodo del modello.

	Aste* / Nodi**	**Rigidezze**
$k_{G(calotta)}$	14-41 (*)	0 [kPa/m]
$k_{\mathbf{hB\_sx}(ritti)}$	1-13; 82 (*)	400 000 [kPa/m]
$k_{\mathbf{hB\_dx}(ritti)}$	42-55 (*)	400 000 [kPa/m]
$k_{\mathbf{G}(ar)}$	58-79 (*)	150 000 [kPa/m]
$k_{v(mur)}$	56-57;80-81 (*)	450 000 [kPa/m]
$k_{\theta(mur)}$	56; 82 (**)	95 000 [kN*m]

Tabella 5

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

7.4 Analisi dei carichi

7.4.1 Peso proprio

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

7.4.2 Peso del ricoprimento

Il peso del ricoprimento costituisce un carico permanente verticale valutato in funzione dello spessore e del peso di un terreno di riempimento pari a 18 kN/m^3 (peso naturale).
È stata trascurata la presenza della dima ed è considerata una copertura in asse di 2.5m e un profilo del terreno orizzontale.
È stato opportunamente tenuto in conto che, allontanandosi dall'asse della galleria, il carico cambia per il cambiamento di quota dei nodi della calotta. Il peso del ricoprimento è stato inserito nella condizione di carico **Pv** ed è applicato a tutti i nodi nella parte superiore del modello.

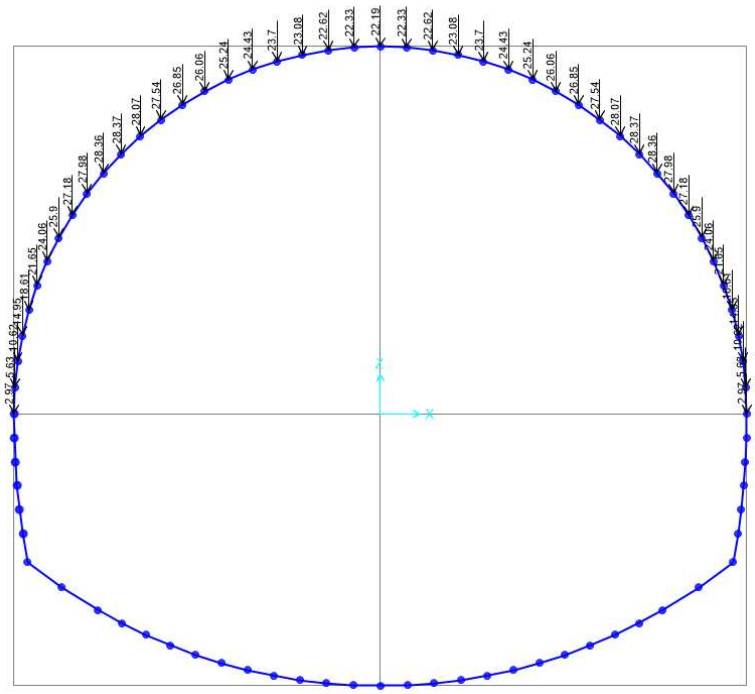


Figura 12: Modello di calcolo – Pv

7.4.3 Spinte laterali del terreno

Sui lati della galleria sono state considerate le spinte orizzontali generate dal terreno di riempimento. Tali spinte agenti sulla parte a sinistra e a destra della galleria sono state inserite rispettivamente nella condizione di carico **Ph_sx** e **Ph_dx**.

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: $k_0 = (1 - sen\phi)$) sono stati calcolati in ragione del peso e dell'angolo d'attrito del terreno di riempimento definiti in Tabella 1.

Le parate rocciosa contro cui vengono gettati i piedritti della dima si autosostiene e quindi non genera alcuna spinta sulla galleria.

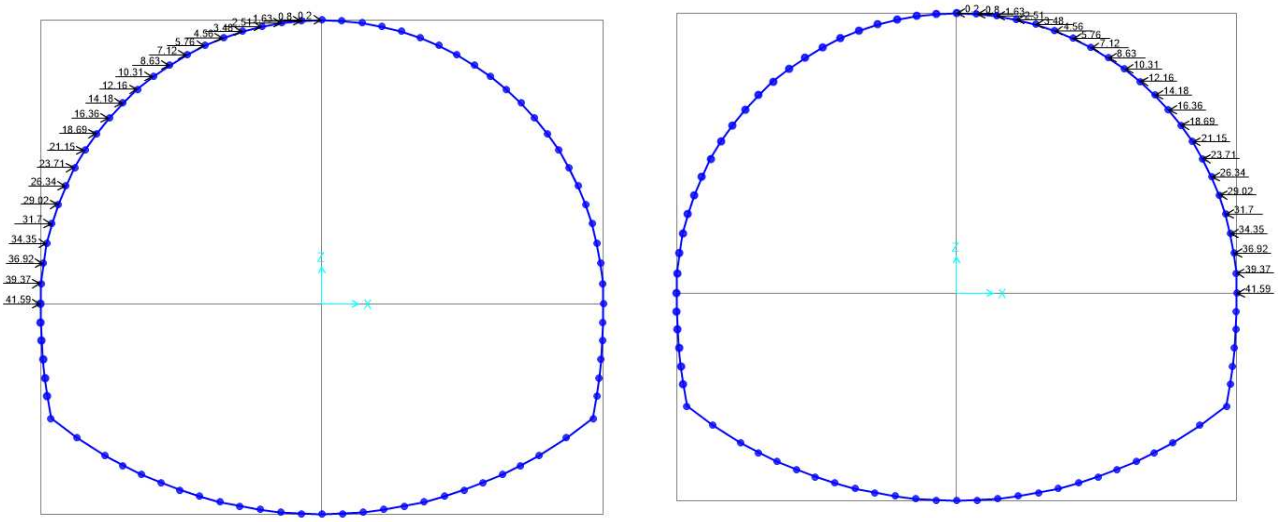


Figura 13: Modello di calcolo – Ph_sx e Ph_dx

7.4.4 Spinta idrostatica dell'acqua di falda

La falda non interferisce con le opere in progetto e quindi la spinta della acqua non è stata considerata nelle analisi.

7.4.5 Azione sismica

7.4.5.1 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:

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

7.4.5.2 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]
SLO	60	0.079	2.461	0.272
SLD	101	0.089	2.441	0.278
SLV	949	0.224	2.377	0.303
SLC	1950	0.280	2.409	0.314

Tabella 6

7.4.5.3 Categoria sismica dei suoli di fondazione e coefficiente di amplificazione stratigrafica

Ai fini della progettazione geotecnica e strutturale delle opere, l'imbocco nord della Galleria Montebonello si trova in un materiale di **categoria A** in base alla quale sono stati ottenuti i seguenti valori del coefficiente di amplificazione stratigrafica $\mathbf{S_S}$ (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=0,224, F_o=2,377 e T_c*=0,303):

Categoria sottosuolo	S_S
A	1

Tabella 7

7.4.5.4 Coefficiente di amplificazione topografica

In base alle condizioni topografiche presenti in sito (T2= Pendii con inclinazione media i > 15°) è stato ottenuto il seguente valore dei coefficienti di amplificazione topografica S_T (cfr. Tabella 3.2.V del D.M. 17.01.18), considerando l'effettiva posizione dell'imbocco rispetto alla sommità al pendio:

Categoria topografica	S_T
T2	1,06

Tabella 8

7.4.5.5 Forze d'inerzia sulle masse

Si calcolano i coefficienti sismici:

Coeff. per forze orizzontali SLV: $K_{h,slv} = \pm a_g/g \times S_S \times S_T = \pm 0.224 \times 1 \times 1.06 = \pm 0.237$

Coeff. per le forze verticali SLV: $K_{v,slv} = \pm 0.5 \times K_{h,slv} = 0.119$

Moltiplicando i pesi propri delle strutture e del terreno di riempimento per i coefficienti sismici appena calcolati si trovano le forze d'inerzia delle masse causate dal sisma (forza d'inerzia verticale: $F_{iV} = \pm K_{V,SLV} \cdot W$ e forza d'inerzia orizzontale: $F_{iH} = \pm K_{H,SLV} \cdot W$).
Le forze d'inerzia verticali vengono tenute in conto nelle stesse combinazioni PP e Pv dove le forze d'inerzia vengono sommate o sottratte ai pesi traducendosi in un'amplificazione o una riduzione del peso:

- Forza d'inerzia verso l'alto: $F_{iv} + W = W \times K_{v,slv} + W = (1 + K_{v,slv})W = 1.119\ W$
- Forza d'inerzia verso il basso: $-F_{iv} + W = -W \times K_{v,slv} + W = (1 - K_{v,slv})W = 0.882\ W$

Le forze d'inerzia orizzontali della massa di cls sono pari a $Fih = \pm K_{h,slv} \times W = \pm 0.237\ W$ e sono state inserite nel programma di calcolo nelle condizioni di carico col nome **In_sx e In_dx**.

Infine, la spinta sismica trasmessa alla galleria dal materiale roccioso è stata considerata attraverso il carico sismico di Wood (1973) secondo il quale l'azione sismica su una parete rigida di altezza H è una pressione uniforme pari a:

$$p_{sism} = a_g/g \times \gamma \times H$$

La cui risultante applicata ad H/2 è pari a:

$$P_{sism} = p_{sism} \times H = a_g/g \times \gamma \times H^2$$

Considerando l'altezza H pari all'altezza della sezione del concio d'attacco (dalla base della muretta all'altezza in asse alla calotta) e il mezzo in cui si trasmette l'onda l'ammasso roccioso con $\gamma=25kN/m^3$, sono state applicate le seguenti forze distribuite *p[kpa]*.

	H [m]	p [kPa]	P[kN]
Sisma sx	11.22	67	747
Sisma dx	11.22	67	747

Tabella 9

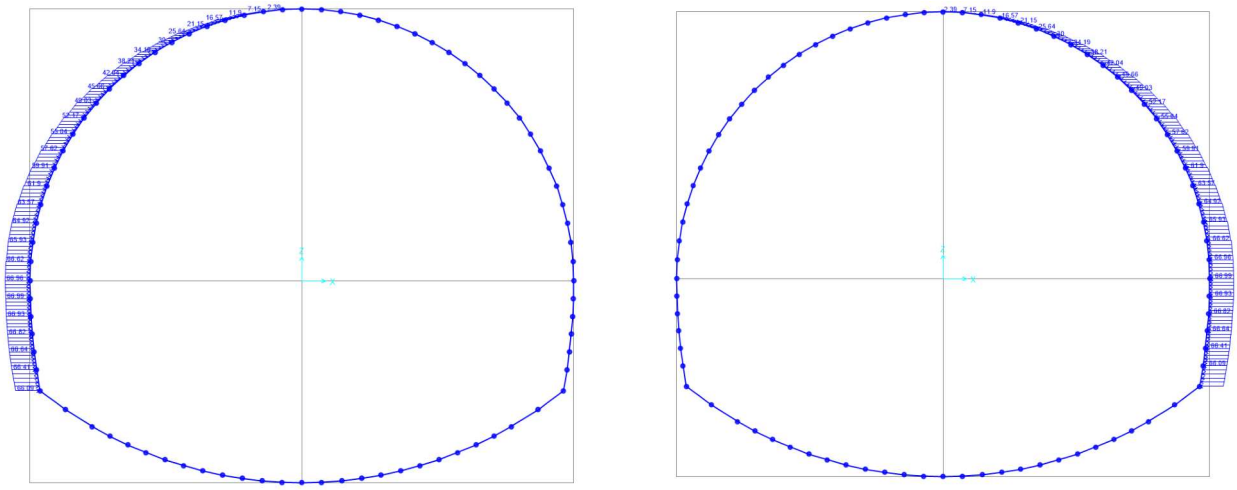


Figura 14: Sisma sx e Sisma dx

7.5 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 le combinazioni sismiche (indicata nel seguito come **SLV_DX_D, SLV_SX_D, SLV_DX_U** e **SLV_SX_U**) 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. 7.4.5.5.
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	In_dx	In_sx	Sisma_dx	Sisma_sx
SLE	1	1	1	1	0	0	0	0
SLU	1.3	1.3	1.3	1.3	0	0	0	0
SLV_DX_D	1.119	1.119	1	1	0.237	0	1	0
SLV_SX_D	1.119	1.119	1	1	0	0.237	0	1
SLV_DX_U	0.882	0.882	1	1	0.237	0	1	0
SLV_SX_U	0.882	0.882	1	1	0	0.237	0	1

Tabella 10

7.6 Sollecitazioni

Si riportano nel seguito i grafici delle sollecitazioni nelle combinazioni di carico SLE, SLU e una combinazione sismica rappresentativa (SLV_SX_U).

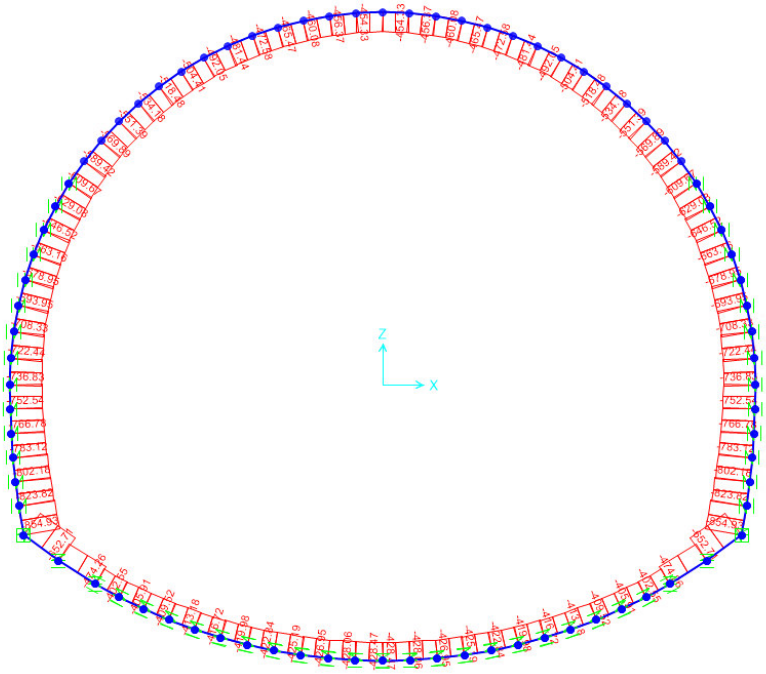


Figura 15: Andamento dell'azione assale nella combinazione SLE.

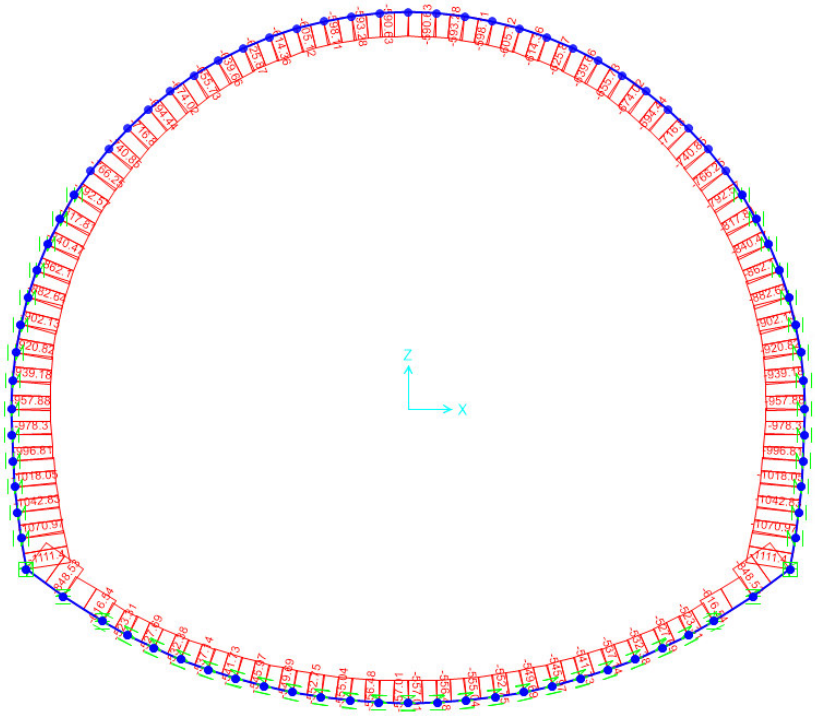


Figura 16: Andamento dell'azione assale nella combinazione SLU.

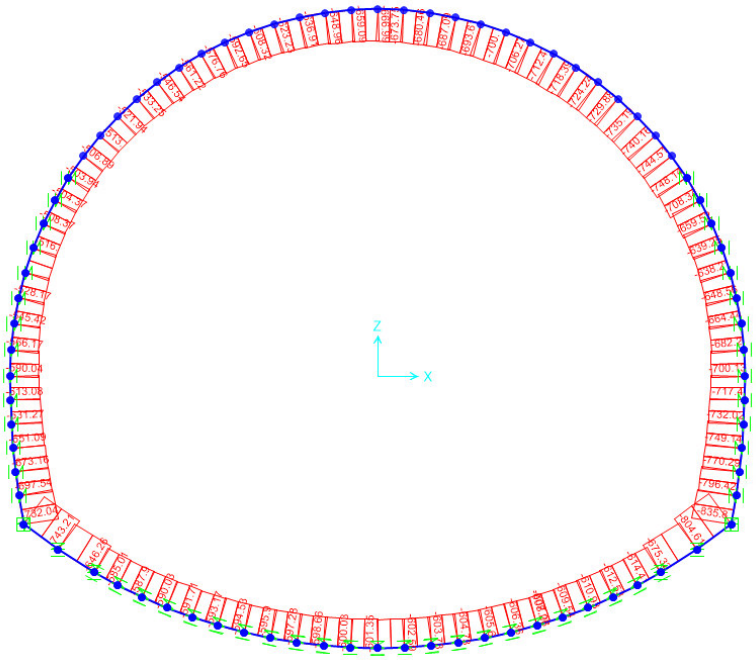


Figura 17: Andamento dell'azione assale nella combinazione SLV_SX_U.

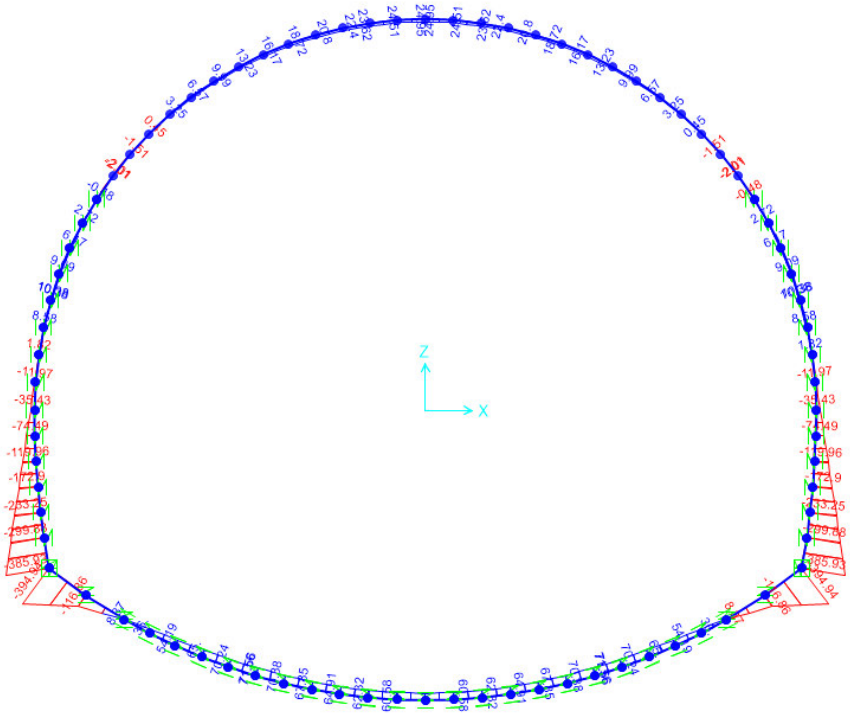


Figura 18: Andamento del momento flettente nella combinazione SLE.

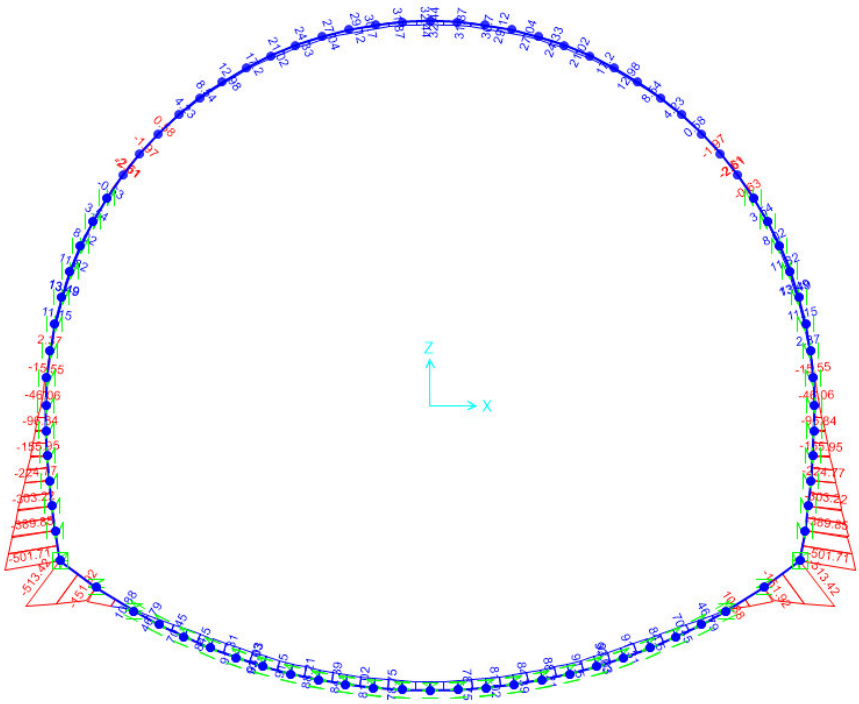


Figura 19: Andamento del momento flettente nella combinazione SLU.

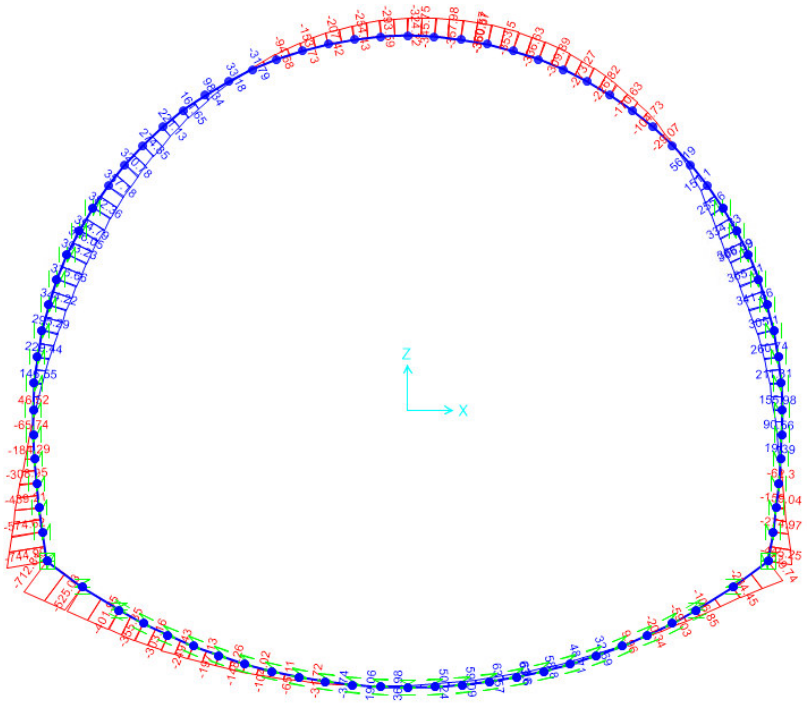


Figura 20: Andamento del momento flettente nella combinazione SLV_SX_U.

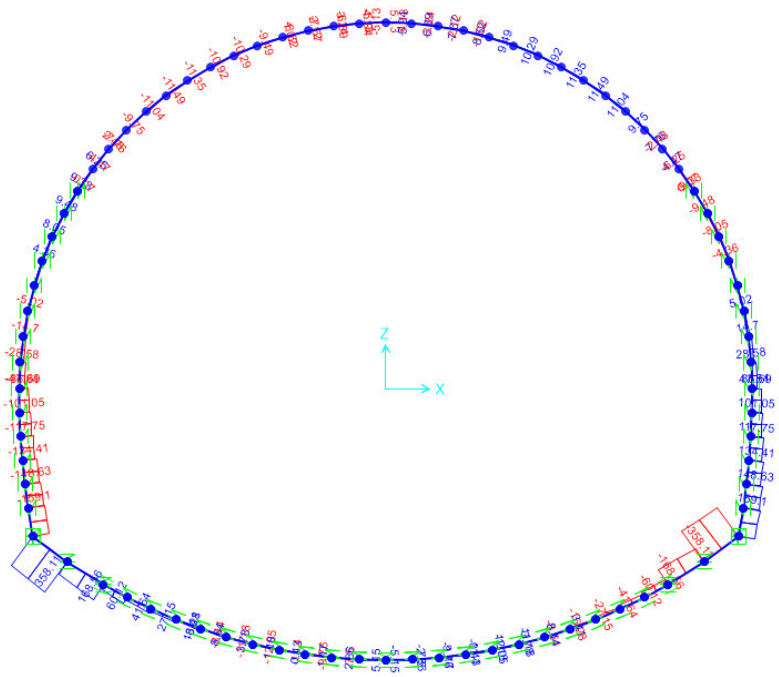


Figura 21: Andamento del taglio nella combinazione SLE.

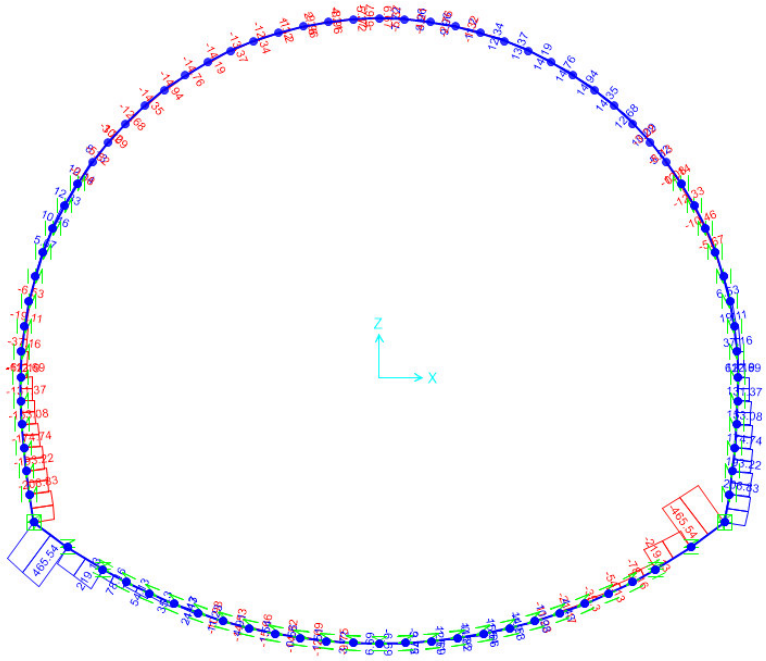


Figura 22: Andamento del taglio nella combinazione SLU.

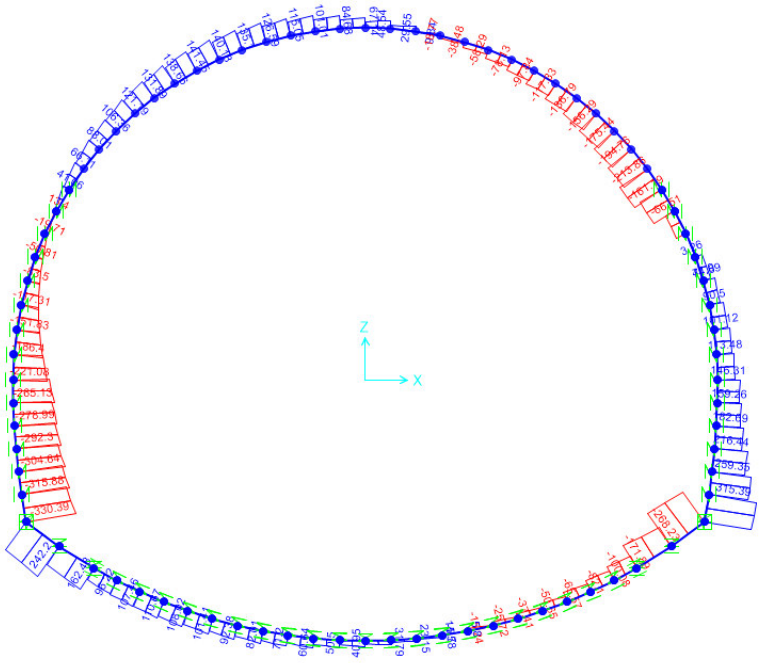


Figura 23: Andamento del taglio nella combinazione SLV_SX_U

7.7 Verifiche agli Stati Limite Ultimi

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

	Armatura longitudinale	Armatura trasversale
Calotta	Φ20/20 sia in intradosso che in estradosso	-
AR	Φ20/20 sia in intradosso che in estradosso	-

Tabella 11

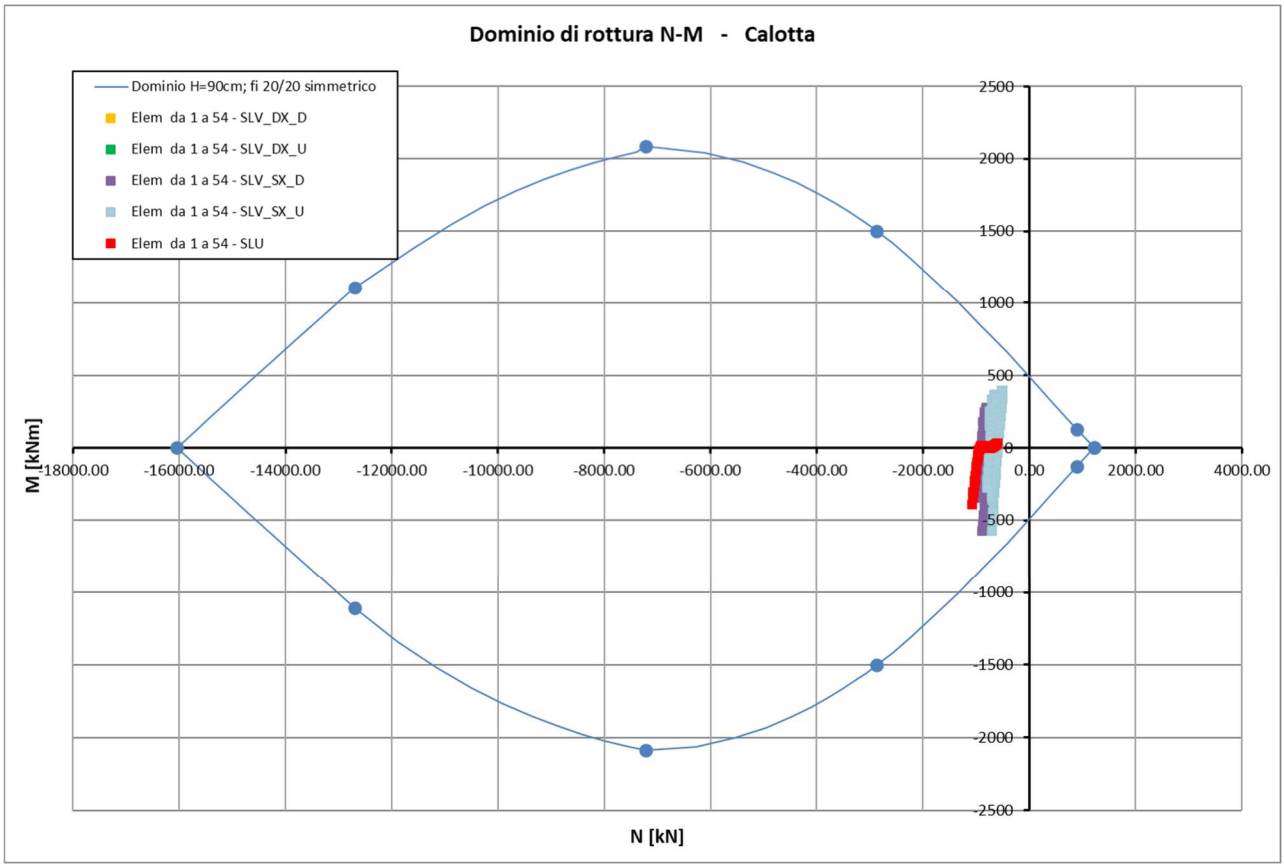
Nel presente capitolo con il termine “Calotta” si intende tutta la parte di sezione sopra la ripresa di getto in corrispondenza del drenaggio.

7.7.1 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.

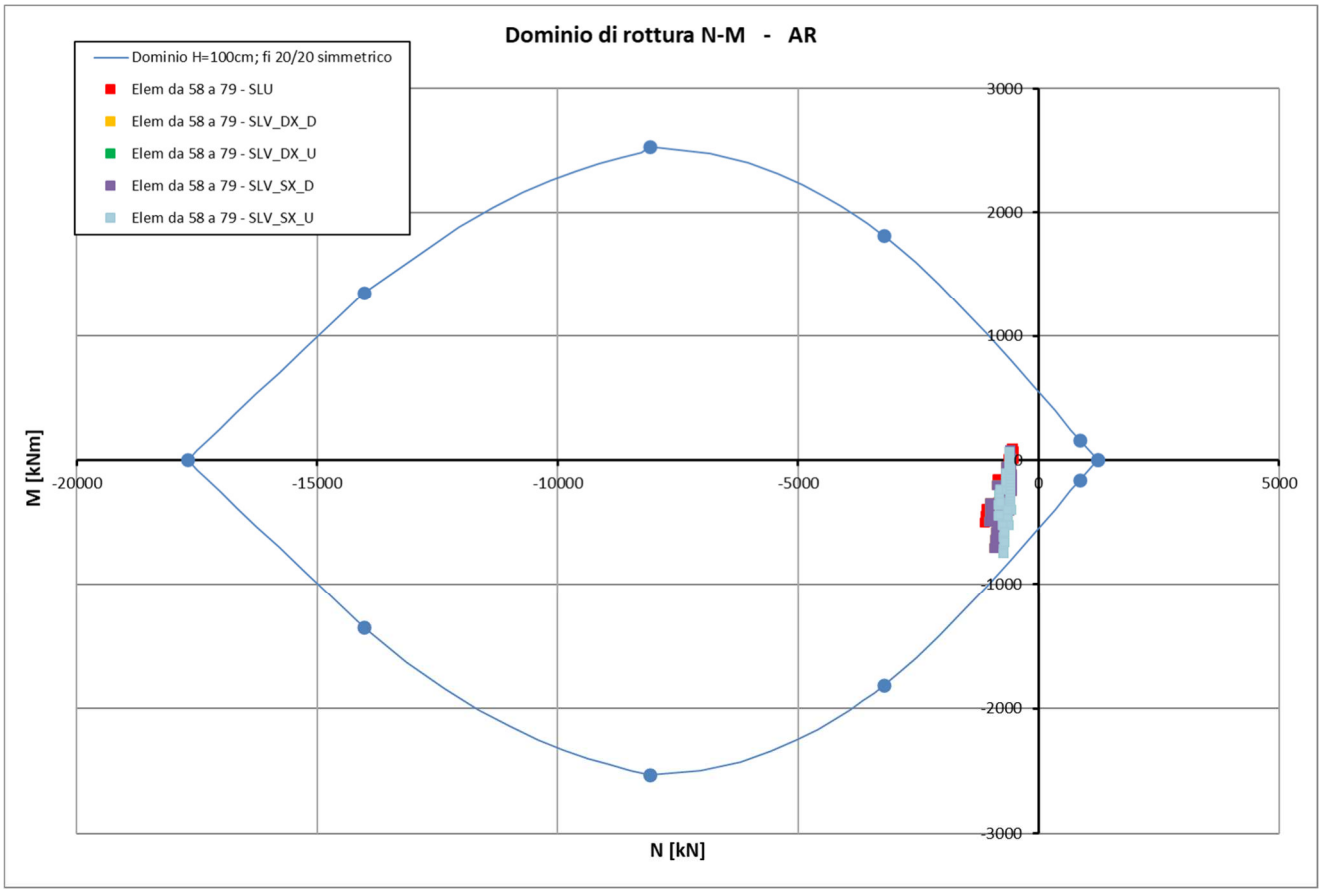
7.7.1.1 Calotta

Nel seguito si riporta la verifica di tutte le sezioni in calotta considerando la sezione di altezza minima pari a 90cm; la verifica viene rispettata con Φ20/20 sia in intradosso che in estradosso.



7.7.1.2 Arco rovescio

Nel seguito si riporta la verifica di tutte le sezioni in arco rovescio considerando la sezione di altezza minima pari a 100cm, la verifica viene rispettata con Φ20/20 sia in intradosso che in estradosso.



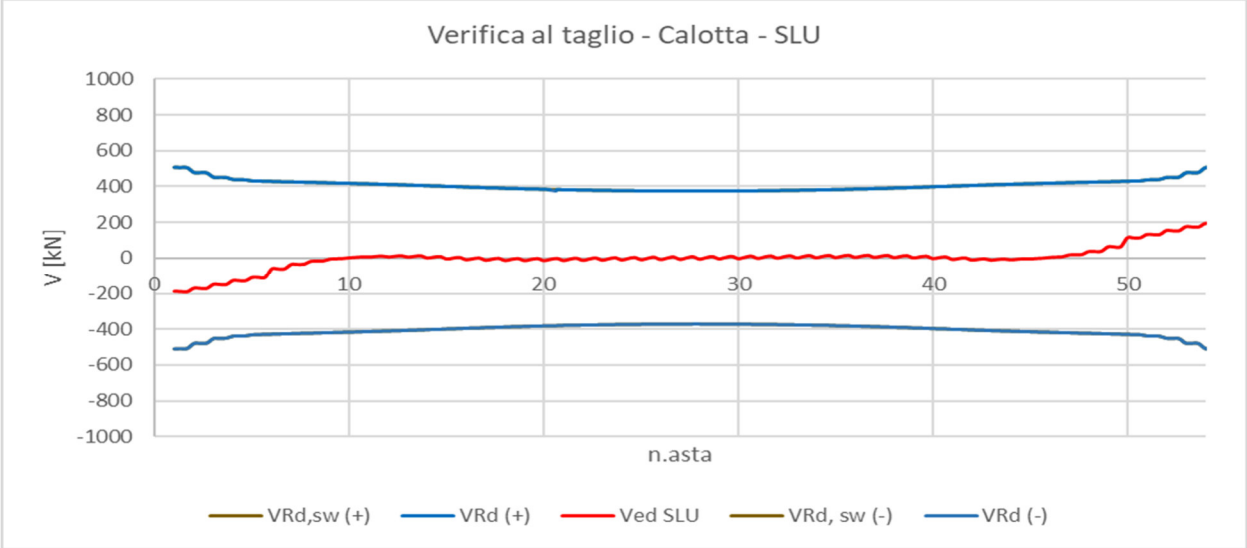
7.7.2 Verifica per sollecitazioni di taglio

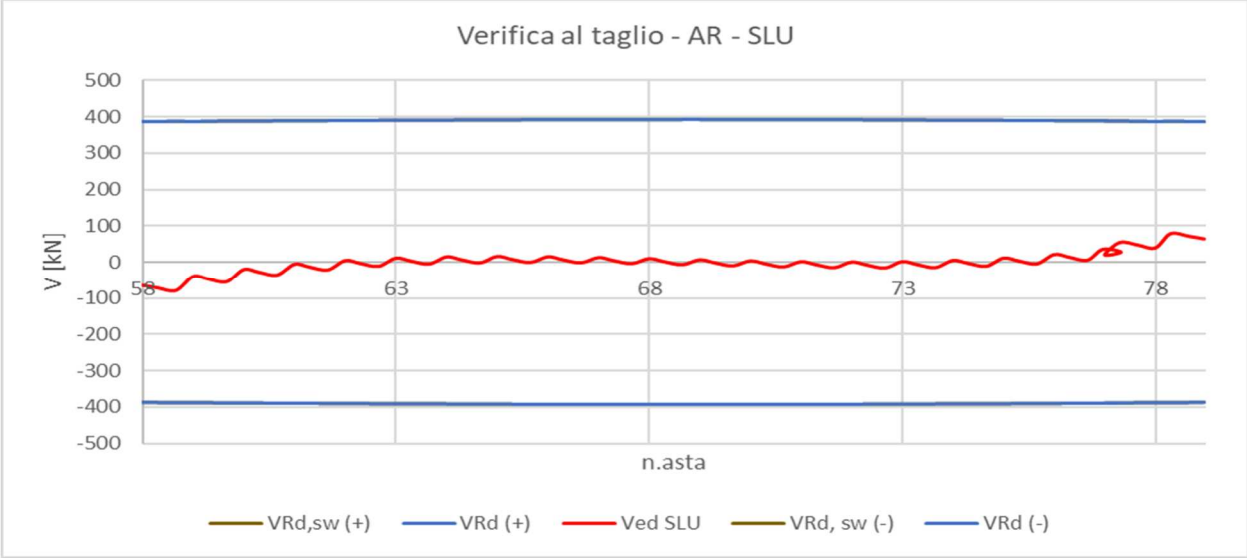
I grafici sottostanti mostrano l'andamento del taglio resistente e del taglio sollecitante lungo la calotta e l'arco rovescio nella combinazione di carico SLU e nelle diverse combinazioni di carico sismiche raccolte in un unico grafico SLV.

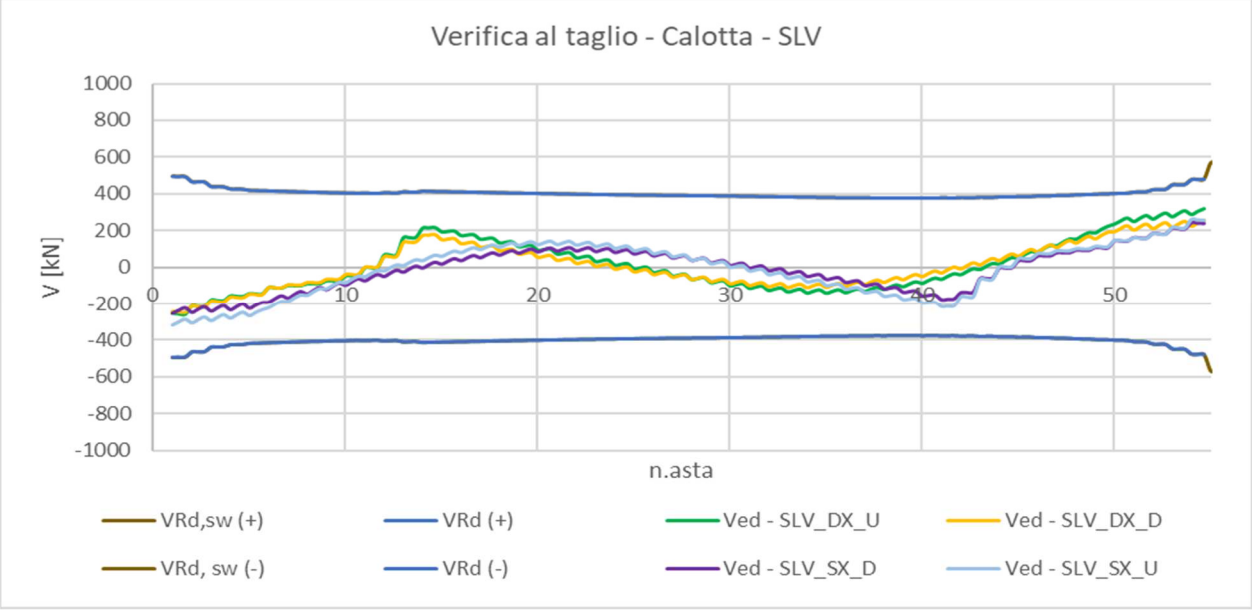
Il taglio resistente è stato calcolato per ogni sezione in accordo con la teoria illustrata al Par.6.2 considerando una sezione in cls con un'altezza funzione dell'elemento considerato e le armature longitudinali definite al paragrafo precedente. Nelle combinazioni sismiche, il taglio resistente è stato calcolato a favore di sicurezza considerando la forza di compressione minima tra tutte le combinazioni SLV.

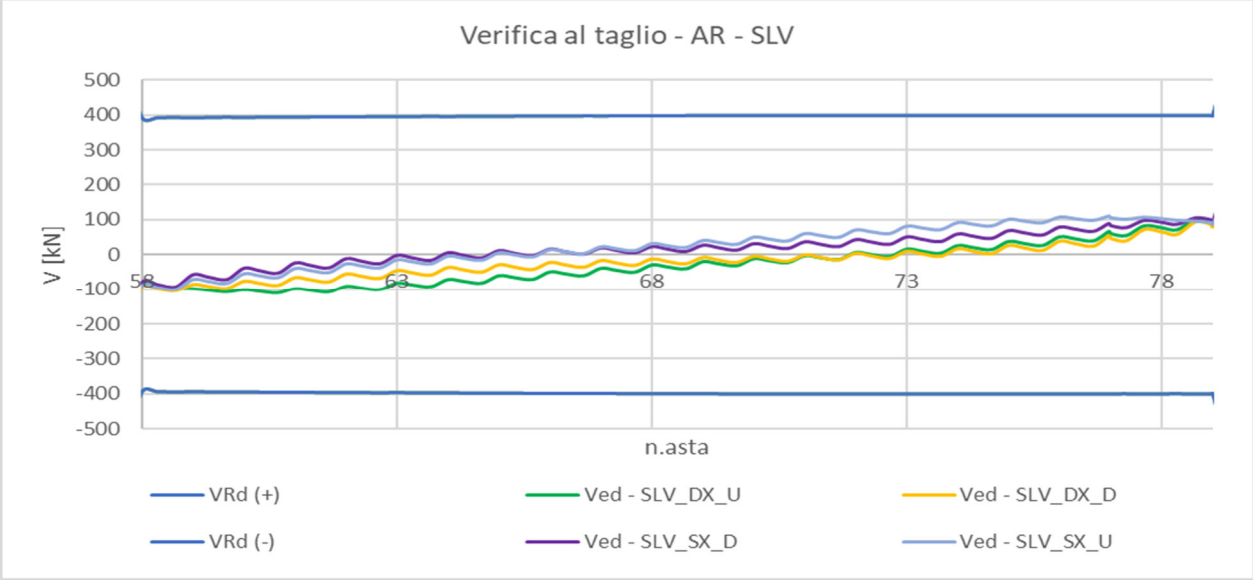
Sull'asse delle ascisse è riportato un numero delle aste del modello riscontrabili in Figura 9.

Le verifiche al taglio in calotta e in arco rovescio sono soddisfatte considerando il solo contributo delle armature longitudinali per tutte le sezioni.


Verifica al taglio - Calotta - SLU
V [kN]
n.asta
VRd,sw (+)
VRd (+)
Ved SLU
VRd, sw (-)
VRd (-)

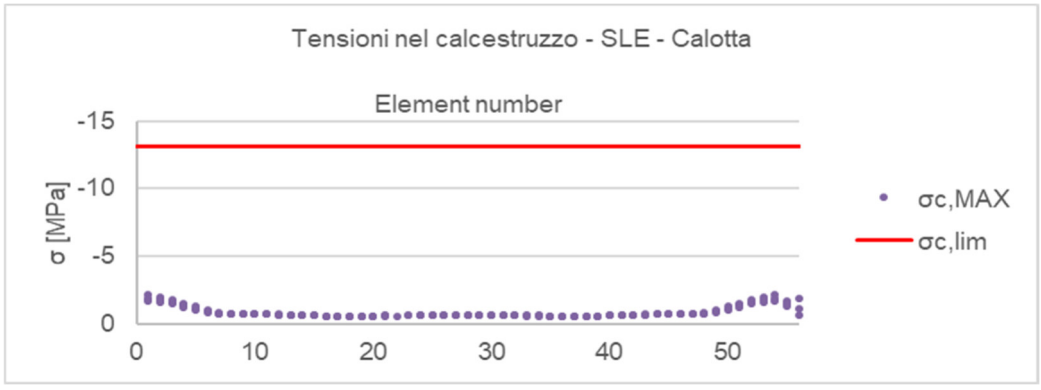

Verifica al taglio - AR - SLU
V [kN]
n.asta
VRd,sw (+)
VRd (+)
Ved SLU
VRd, sw (-)
VRd (-)

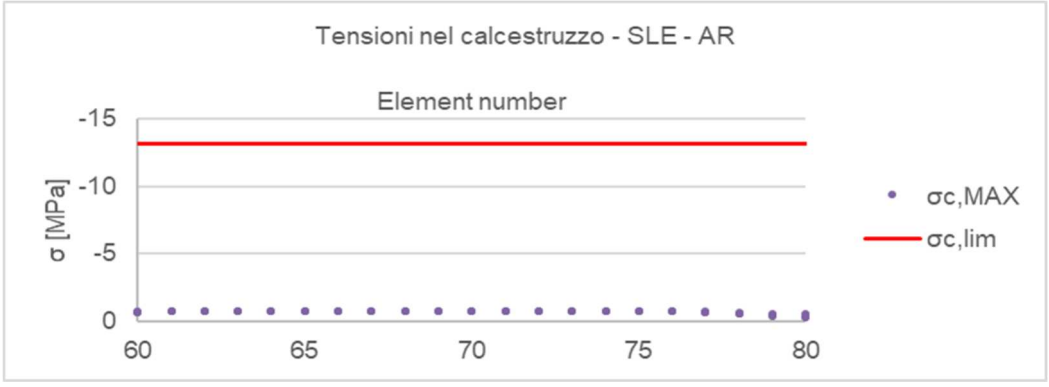

Verifica al taglio - Calotta - SLV
V [kN]
n.asta
VRd,sw (+)
VRd (+)
Ved - SLV_DX_U
Ved - SLV_DX_D
VRd, sw (-)
VRd (-)
Ved - SLV_SX_D
Ved - SLV_SX_U

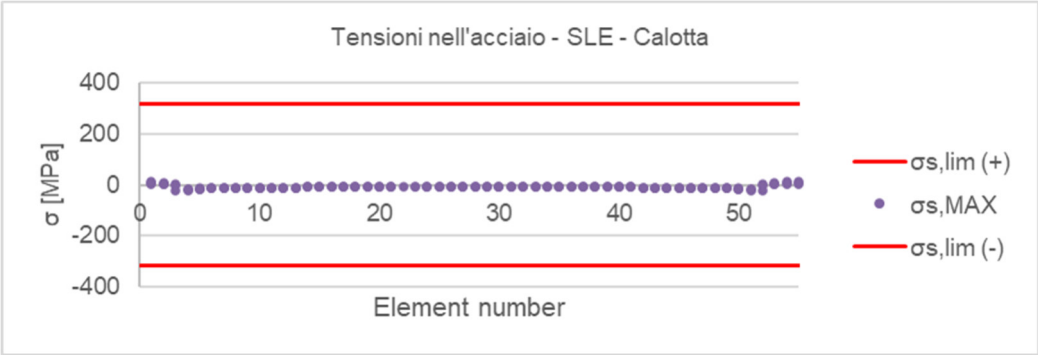


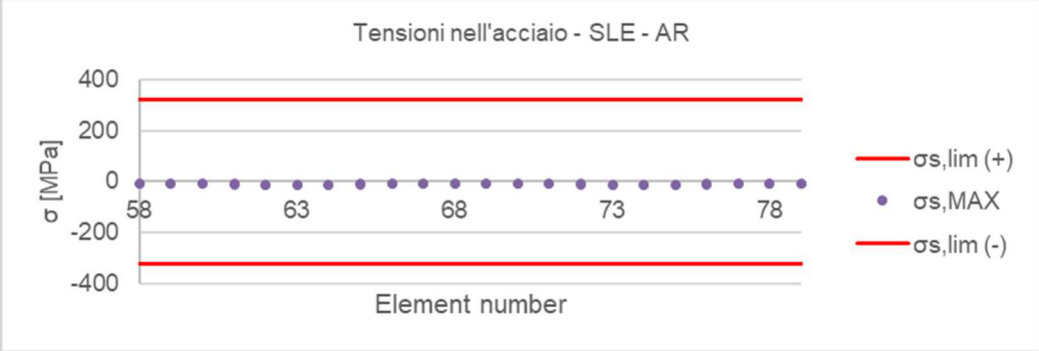
7.8 Verifiche agli stati limite di esercizio

Nel seguente paragrafo sono riportati dei grafici che mostrano l'andamento delle tensioni massime nel calcestruzzo e nell'acciaio lungo la calotta e l'arco rovescio nella combinazione SLE.
Le sollecitazioni sono state calcolate per ogni asta in funzione della geometria e quantità di armatura. Sull'asse delle ascisse è riportato un numero delle aste del modello riscontrabili in Figura 9. Negli stessi grafici sono riportate le sollecitazioni massime ammesse da normativa come riportate nel Par. 6.3.









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

7.9 Verifiche a fessurazione

Nella combinazione SLE, tutte le sezioni risultano interamente compresse ad eccezione di circa due metri nei piedritti sopra le murette dove, comunque, la tensione nell'acciaio risulta inferiore a 10Mpa.
Consultando 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 largamente nel limite di 0.3 mm.

8 ALLEGATI

- ALLEGATO 1: Tabulato di calcolo SAP2000

ALLEGATO 1:
Tabulato di calcolo SAP2000

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SAP2000 Analysis Report

Prepared by

Pro Iter srl

Model Name: CdA.sdb

3 ottobre 2023

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1. Model geometry

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

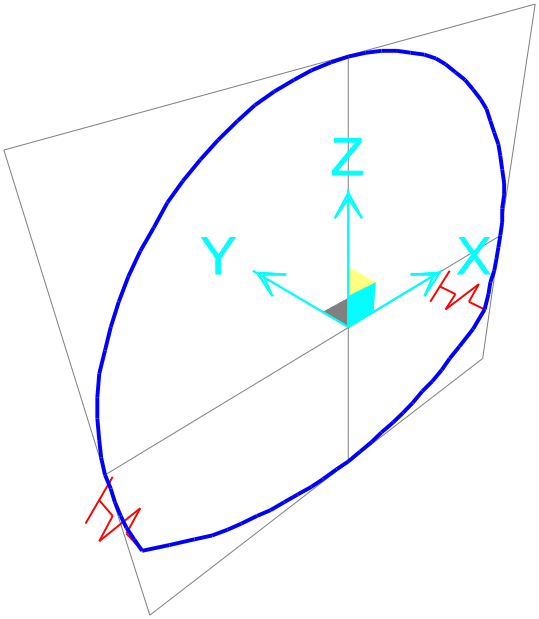

Figure 1: Finite element model

1.1. Joint coordinates

Table 1: Joint Coordinates

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
1	GLOBAL	Cartesian	-6.7342	0.	-2.247
2	GLOBAL	Cartesian	-6.7938	0.	-1.8
3	GLOBAL	Cartesian	-6.8402	0.	-1.3514
4	GLOBAL	Cartesian	-6.8734	0.	-0.9015
5	GLOBAL	Cartesian	-6.8934	0.	-0.451
6	GLOBAL	Cartesian	-6.9	0.	0.
7	GLOBAL	Cartesian	-6.8824	0.	0.4922
8	GLOBAL	Cartesian	-6.8298	0.	0.982
9	GLOBAL	Cartesian	-6.7423	0.	1.4667
10	GLOBAL	Cartesian	-6.6205	0.	1.944
11	GLOBAL	Cartesian	-6.465	0.	2.4113
12	GLOBAL	Cartesian	-6.2765	0.	2.8664
13	GLOBAL	Cartesian	-6.056	0.	3.3068
14	GLOBAL	Cartesian	-5.8046	0.	3.7304
15	GLOBAL	Cartesian	-5.5237	0.	4.135
16	GLOBAL	Cartesian	-5.2147	0.	4.5185
17	GLOBAL	Cartesian	-4.879	0.	4.879
18	GLOBAL	Cartesian	-4.5185	0.	5.2147
19	GLOBAL	Cartesian	-4.135	0.	5.5237
20	GLOBAL	Cartesian	-3.7304	0.	5.8046

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
21	GLOBAL	Cartesian	-3.3068	0.	6.056
22	GLOBAL	Cartesian	-2.8664	0.	6.2765
23	GLOBAL	Cartesian	-2.4113	0.	6.465
24	GLOBAL	Cartesian	-1.944	0.	6.6205
25	GLOBAL	Cartesian	-1.4667	0.	6.7423
26	GLOBAL	Cartesian	-0.982	0.	6.8298
27	GLOBAL	Cartesian	-0.4922	0.	6.8824
28	GLOBAL	Cartesian	0.	0.	6.9
29	GLOBAL	Cartesian	0.4922	0.	6.8824
30	GLOBAL	Cartesian	0.982	0.	6.8298
31	GLOBAL	Cartesian	1.4667	0.	6.7423
32	GLOBAL	Cartesian	1.944	0.	6.6205
33	GLOBAL	Cartesian	2.4113	0.	6.465
34	GLOBAL	Cartesian	2.8664	0.	6.2765
35	GLOBAL	Cartesian	3.3068	0.	6.056
36	GLOBAL	Cartesian	3.7304	0.	5.8046
37	GLOBAL	Cartesian	4.135	0.	5.5237
38	GLOBAL	Cartesian	4.5185	0.	5.2147
39	GLOBAL	Cartesian	4.879	0.	4.879
40	GLOBAL	Cartesian	5.2147	0.	4.5185
41	GLOBAL	Cartesian	5.5237	0.	4.135
42	GLOBAL	Cartesian	5.8046	0.	3.7304
43	GLOBAL	Cartesian	6.056	0.	3.3068
44	GLOBAL	Cartesian	6.2765	0.	2.8664
45	GLOBAL	Cartesian	6.465	0.	2.4113
46	GLOBAL	Cartesian	6.6205	0.	1.944
47	GLOBAL	Cartesian	6.7423	0.	1.4667
48	GLOBAL	Cartesian	6.8298	0.	0.982
49	GLOBAL	Cartesian	6.8824	0.	0.4922
50	GLOBAL	Cartesian	6.9	0.	0.
51	GLOBAL	Cartesian	6.8934	0.	-0.451
52	GLOBAL	Cartesian	6.8734	0.	-0.9015
53	GLOBAL	Cartesian	6.8402	0.	-1.3514
54	GLOBAL	Cartesian	6.7938	0.	-1.8
55	GLOBAL	Cartesian	6.7342	0.	-2.247
56	GLOBAL	Cartesian	6.6443	0.	-2.7862
57	GLOBAL	Cartesian	5.9982	0.	-3.2642
58	GLOBAL	Cartesian	5.3178	0.	-3.6921
59	GLOBAL	Cartesian	4.8735	0.	-3.9347
60	GLOBAL	Cartesian	4.4182	0.	-4.1559
61	GLOBAL	Cartesian	3.9528	0.	-4.3552
62	GLOBAL	Cartesian	3.4785	0.	-4.5321
63	GLOBAL	Cartesian	2.9964	0.	-4.6862
64	GLOBAL	Cartesian	2.5074	0.	-4.8172
65	GLOBAL	Cartesian	2.0128	0.	-4.9248
66	GLOBAL	Cartesian	1.5136	0.	-5.0088
67	GLOBAL	Cartesian	1.011	0.	-5.0689
68	GLOBAL	Cartesian	0.5061	0.	-5.105
69	GLOBAL	Cartesian	0.	0.	-5.117
70	GLOBAL	Cartesian	-0.5061	0.	-5.105
71	GLOBAL	Cartesian	-1.011	0.	-5.0689
72	GLOBAL	Cartesian	-1.5136	0.	-5.0088
73	GLOBAL	Cartesian	-2.0128	0.	-4.9248
74	GLOBAL	Cartesian	-2.5074	0.	-4.8172

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
75	GLOBAL	Cartesian	-2.9964	0.	-4.6862
76	GLOBAL	Cartesian	-3.4785	0.	-4.5321
77	GLOBAL	Cartesian	-3.9528	0.	-4.3552
78	GLOBAL	Cartesian	-4.4182	0.	-4.1559
79	GLOBAL	Cartesian	-4.8735	0.	-3.9347
80	GLOBAL	Cartesian	-5.3178	0.	-3.6921
81	GLOBAL	Cartesian	-5.9982	0.	-3.2642
82	GLOBAL	Cartesian	-6.6443	0.	-2.7862

1.2. Element connectivity

Table 2: Connectivity - Frame

Table 2: Connectivity - Frame

Frame	JointI	JointJ	Length
			m
1	1	2	0.45096
2	2	3	0.45099
3	3	4	0.45112
4	4	5	0.45094
5	5	6	0.45105
6	6	7	0.49251
7	7	8	0.49262
8	8	9	0.49253
9	9	10	0.4926
10	10	11	0.49249
11	11	12	0.49259
12	12	13	0.49252
13	13	14	0.49258
14	14	15	0.49255
15	15	16	0.4925
16	16	17	0.4926
17	17	18	0.4926
18	18	19	0.4925
19	19	20	0.49255
20	20	21	0.49258
21	21	22	0.49252
22	22	23	0.49259
23	23	24	0.49249
24	24	25	0.4926
25	25	26	0.49253
26	26	27	0.49262
27	27	28	0.49251
28	28	29	0.49251
29	29	30	0.49262
30	30	31	0.49253
31	31	32	0.4926
32	32	33	0.49249
33	33	34	0.49259
34	34	35	0.49252
35	35	36	0.49258

Table 2: Connectivity - Frame

Frame	JointI	JointJ	Length m
36	36	37	0.49255
37	37	38	0.4925
38	38	39	0.4926
39	39	40	0.4926
40	40	41	0.4925
41	41	42	0.49255
42	42	43	0.49258
43	43	44	0.49252
44	44	45	0.49259
45	45	46	0.49249
46	46	47	0.4926
47	47	48	0.49253
48	48	49	0.49262
49	49	50	0.49251
50	50	51	0.45105
51	51	52	0.45094
52	52	53	0.45112
53	53	54	0.45099
54	54	55	0.45096
55	55	56	0.54664
56	56	57	0.8037
57	57	58	0.80377
58	58	59	0.50622
59	59	60	0.50619
60	60	61	0.50628
61	61	62	0.50622
62	62	63	0.50613
63	63	64	0.50624
64	64	65	0.50617
65	65	66	0.50622
66	66	67	0.50618
67	67	68	0.50619
68	68	69	0.50624
69	69	70	0.50624
70	70	71	0.50619
71	71	72	0.50618
72	72	73	0.50622
73	73	74	0.50617
74	74	75	0.50624
75	75	76	0.50613
76	76	77	0.50622
77	77	78	0.50628
78	78	79	0.50619
79	79	80	0.50622
80	80	81	0.80377
81	81	82	0.8037
82	82	1	0.54664

Table 3: Frame Section Assignments

Table 3: Frame Section Assignments

Frame	AnalSect	DesignSect	MatProp
1	C115	C115	Default
2	C105	C105	Default
3	C096	C096	Default
4	C092	C092	Default
5	C090	C090	Default
6	C090	C090	Default
7	C090	C090	Default
8	C090	C090	Default
9	C090	C090	Default
10	C090	C090	Default
11	C090	C090	Default
12	C090	C090	Default
13	C090	C090	Default
14	C090	C090	Default
15	C090	C090	Default
16	C090	C090	Default
17	C090	C090	Default
18	C090	C090	Default
19	C090	C090	Default
20	C090	C090	Default
21	C090	C090	Default
22	C090	C090	Default
23	C090	C090	Default
24	C090	C090	Default
25	C090	C090	Default
26	C090	C090	Default
27	C090	C090	Default
28	C090	C090	Default
29	C090	C090	Default
30	C090	C090	Default
31	C090	C090	Default
32	C090	C090	Default
33	C090	C090	Default
34	C090	C090	Default
35	C090	C090	Default
36	C090	C090	Default
37	C090	C090	Default
38	C090	C090	Default
39	C090	C090	Default
40	C090	C090	Default
41	C090	C090	Default
42	C090	C090	Default
43	C090	C090	Default
44	C090	C090	Default
45	C090	C090	Default
46	C090	C090	Default
47	C090	C090	Default
48	C090	C090	Default
49	C090	C090	Default
50	C090	C090	Default
51	C092	C092	Default
52	C096	C096	Default
53	C105	C105	Default

Table 3: Frame Section Assignments

Frame	AnalSect	DesignSect	MatProp
54	C115	C115	Default
55	C150	C150	Default
56	C150	C150	Default
57	C150	C150	Default
58	C100	C100	Default
59	C100	C100	Default
60	C100	C100	Default
61	C100	C100	Default
62	C100	C100	Default
63	C100	C100	Default
64	C100	C100	Default
65	C100	C100	Default
66	C100	C100	Default
67	C100	C100	Default
68	C100	C100	Default
69	C100	C100	Default
70	C100	C100	Default
71	C100	C100	Default
72	C100	C100	Default
73	C100	C100	Default
74	C100	C100	Default
75	C100	C100	Default
76	C100	C100	Default
77	C100	C100	Default
78	C100	C100	Default
79	C100	C100	Default
80	C150	C150	Default
81	C150	C150	Default
82	C150	C150	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	UnitMass	E1	G12	U12	A1
	KN/m3	KN-s2/m4	KN/m2	KN/m2		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
C28/35	2.4993E+01	2.5485E+00	32308000.	13461666.67	0.2	1.0000E-05

Table 5: Material Properties 03a - Steel Data

Table 5: Material Properties 03a - Steel Data

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

Table 6: Material Properties 03b - Concrete Data

Table 6: Material Properties 03b - Concrete Data

Material	Fc	eFc	FinalSlope
	KN/m2	KN/m2	
4000Psi	27579.03	27579.03	-0.1
C28/35	28000.	28000.	-0.1

Table 7: Material Properties 03e - Rebar Data

Table 7: Material Properties 03e - Rebar Data

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

Table 8: Material Properties 03f - Tendon Data

Table 8: Material Properties 03f - Tendon Data

Material	Fy	Fu	FinalSlope
	KN/m2	KN/m2	
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	t2	tf	tw	t2b	tfb
			m	m	m	m	m	m
C090	C28/35	Rectangular	0.9	1.				
C092	C28/35	Rectangular	0.92	1.				
C096	C28/35	Rectangular	0.96	1.				
C100	C28/35	Rectangular	1.	1.				
C105	C28/35	Rectangular	1.05	1.				
C115	C28/35	Rectangular	1.15	1.				
C150	C28/35	Rectangular	1.5	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	TorsConst	I33	I22	I23	AS2	AS3
	m2	m4	m4	m4	m4	m2	m2
C090	0.9	0.112752	0.06075	0.075	0.	0.75	0.75
C092	0.92	0.118101	0.064891	0.076667	0.	0.766667	0.766667
C096	0.96	0.129174	0.073728	0.08	0.	0.8	0.8
C100	1.	0.140833	0.083333	0.083333	0.	0.833333	0.833333
C105	1.05	0.154397	0.096469	0.0875	0.	0.875	0.875
C115	1.15	0.183339	0.12674	0.095833	0.	0.958333	0.958333
C150	1.5	0.293457	0.28125	0.125	0.	1.25	1.25
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	S22	Z33	Z22	R33	R22
	m3	m3	m3	m3	m	m
C090	0.135	0.15	0.2025	0.225	0.259808	0.288675
C092	0.141067	0.153333	0.2116	0.23	0.265581	0.288675
C096	0.1536	0.16	0.2304	0.24	0.277128	0.288675
C100	0.166667	0.166667	0.25	0.25	0.288675	0.288675
C105	0.18375	0.175	0.275625	0.2625	0.303109	0.288675
C115	0.220417	0.191667	0.330625	0.2875	0.331976	0.288675
C150	0.375	0.25	0.5625	0.375	0.433013	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
C090	1.	1.	1.	1.	1.	1.	1.	1.
C092	1.	1.	1.	1.	1.	1.	1.	1.
C096	1.	1.	1.	1.	1.	1.	1.	1.
C100	1.	1.	1.	1.	1.	1.	1.	1.
C105	1.	1.	1.	1.	1.	1.	1.	1.
C115	1.	1.	1.	1.	1.	1.	1.	1.
C150	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	NumBars3Dir	NumBars2Dir
					m		
C090	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C092	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C096	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C100	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3

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

SectionName	RebarMatL	RebarMatC	ReinfConfig	LatReinf	Cover	NumBars3Dir	NumBars2Dir
					m		
C105	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C115	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C150	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		
C090	#9	#4	0.15	3	3
C092	#9	#4	0.15	3	3
C096	#9	#4	0.15	3	3
C100	#9	#4	0.15	3	3
C105	#9	#4	0.15	3	3
C115	#9	#4	0.15	3	3
C150	#9	#4	0.15	3	3

3.2. Areas

Table 11: Area Section Properties, Part 1 of 3

Table 11: Area Section Properties, Part 1 of 3

Section	Material	AreaType	Type	DrillDOF	Thickness	BendThick	F11Mod
					m	m	
ASEC1	4000Psi	Shell	Shell-Thin	Yes	0.25	0.25	1.

Table 11: Area Section Properties, Part 2 of 3

Table 11: Area Section Properties, Part 2 of 3

Section	F22Mod	F12Mod	M11Mod	M22Mod	M12Mod	V13Mod	V23Mod
ASEC1	1.	1.	1.	1.	1.	1.	1.

Table 11: Area Section Properties, Part 3 of 3

Table 11: Area Section Properties, Part 3 of 3

Section	MMod	WMod
ASEC1	1.	1.

3.3. Solids

Table 12: Solid Property Definitions

Table 12: Solid Property Definitions

SolidProp	Material	MatAngleA Degrees	MatAngleB Degrees	MatAngleC Degrees
Solid1	4000Psi	0.	0.	0.

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	1.	
Pv	Dead	0.	
Ph_sx	Dead	0.	
Ph_dx	Dead	0.	
Sisma dx	Dead	0.	
Sisma sx	Dead	0.	
In_sx	Dead	0.	
In_dx	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_DX_D	NonStatic	Zero				Prog Det
SLV_SX_D	NonStatic	Zero				Prog Det
SLV_DX_U	NonStatic	Zero				Prog Det
SLV_SX_U	NonStatic	Zero				Prog Det
PP	NonStatic	Zero				Prog Det
Pv	NonStatic	Zero				Prog Det
Ph_sx	NonStatic	Zero				Prog Det
Ph_dx	NonStatic	Zero				Prog Det

Table 14: Load Case Definitions, Part 1 of 2

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesActOpt
Sisma dx	NonStatic	Zero				Prog Det
Sisma sx	NonStatic	Zero				Prog Det
In_sx	NonStatic	Zero				Prog Det
In_dx	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_DX_D	Non-Composite
SLV_SX_D	Non-Composite
SLV_DX_U	Non-Composite
SLV_SX_U	Non-Composite
PP	Non-Composite
Pv	Non-Composite
Ph_sx	Non-Composite
Ph_dx	Non-Composite
Sisma dx	Non-Composite
Sisma sx	Non-Composite
In_sx	Non-Composite
In_dx	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	Ph_sx	1.
SLE	Load pattern	Ph_dx	1.
SLE	Load pattern	Pv	1.
SLE	Load pattern	PP	1.
SLU	Load pattern	Ph_sx	1.3
SLU	Load pattern	Ph_dx	1.3

Table 15: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
SLU	Load pattern	Pv	1.3
SLU	Load pattern	PP	1.3
SLV_DX_D	Load pattern	Ph_sx	1.
SLV_DX_D	Load pattern	Ph_dx	1.
SLV_DX_D	Load pattern	In_dx	0.237
SLV_DX_D	Load pattern	Pv	1.1185
SLV_DX_D	Load pattern	Sisma dx	1.
SLV_DX_D	Load pattern	PP	1.1185
SLV_SX_D	Load pattern	Ph_sx	1.
SLV_SX_D	Load pattern	Ph_dx	1.
SLV_SX_D	Load pattern	In_sx	0.237
SLV_SX_D	Load pattern	Pv	1.1185
SLV_SX_D	Load pattern	Sisma sx	1.
SLV_SX_D	Load pattern	PP	1.1185
SLV_DX_U	Load pattern	Ph_sx	1.
SLV_DX_U	Load pattern	Ph_dx	1.
SLV_DX_U	Load pattern	In_dx	0.237
SLV_DX_U	Load pattern	Pv	0.8815
SLV_DX_U	Load pattern	Sisma dx	1.
SLV_DX_U	Load pattern	PP	0.8815
SLV_SX_U	Load pattern	Ph_sx	1.
SLV_SX_U	Load pattern	Ph_dx	1.
SLV_SX_U	Load pattern	In_sx	0.237
SLV_SX_U	Load pattern	Pv	0.8815
SLV_SX_U	Load pattern	Sisma sx	1.
SLV_SX_U	Load pattern	PP	0.8815
PP	Load pattern	PP	1.
Pv	Load pattern	Pv	1.
Ph_sx	Load pattern	Ph_sx	1.
Ph_dx	Load pattern	Ph_dx	1.
Sisma dx	Load pattern	Sisma dx	1.
Sisma sx	Load pattern	Sisma sx	1.
In_sx	Load pattern	In_sx	1.
In_dx	Load pattern	In_dx	1.

5.3. Response spectrum case load assignments

Table 16: Function - Response Spectrum - User

Table 16: Function - Response Spectrum - User

Name	Period	Accel	FuncDamp
	Sec		
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.

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	1.71	1.71	1.71	0.	0.	0.	-6.7342
2	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	-6.7938
3	MSSSRC1	1.16	1.16	1.16	0.	0.	0.	-6.8402
4	MSSSRC1	1.08	1.08	1.08	0.	0.	0.	-6.8734
5	MSSSRC1	1.05	1.05	1.05	0.	0.	0.	-6.8934
6	MSSSRC1	1.08	1.08	1.08	0.	0.	0.	-6.9
7	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-6.8824
8	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-6.8298
9	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-6.7423
10	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-6.6205
11	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-6.465
12	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-6.2765
13	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-6.056
14	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-5.8046
15	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-5.5237
16	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-5.2147
17	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-4.879
18	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-4.5185
19	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-4.135
20	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-3.7304
21	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-3.3068
22	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-2.8664
23	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-2.4113
24	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-1.944
25	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-1.4667
26	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-0.982
27	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-0.4922
28	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	0.
29	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	0.4922
30	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	0.982
31	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	1.4667
32	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	1.944
33	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	2.4113
34	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	2.8664
35	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	3.3068
36	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	3.7304
37	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	4.135
38	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	4.5185
39	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	4.879
40	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	5.2147
41	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	5.5237
42	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	5.8046
43	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	6.056
44	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	6.2765
45	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	6.465
46	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	6.6205
47	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	6.7423
48	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	6.8298

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
49	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	6.8824
50	MSSSRC1	1.08	1.08	1.08	0.	0.	0.	6.9
51	MSSSRC1	1.05	1.05	1.05	0.	0.	0.	6.8934
52	MSSSRC1	1.08	1.08	1.08	0.	0.	0.	6.8734
53	MSSSRC1	1.16	1.16	1.16	0.	0.	0.	6.8402
54	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	6.7938
55	MSSSRC1	1.71	1.71	1.71	0.	0.	0.	6.7342
56	MSSSRC1	2.58	2.58	2.58	0.	0.	0.	6.6443
57	MSSSRC1	3.07	3.07	3.07	0.	0.	0.	5.9982
58	MSSSRC1	2.18	2.18	2.18	0.	0.	0.	5.3178
59	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	4.8735
60	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	4.4182
61	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	3.9528
62	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	3.4785
63	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	2.9964
64	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	2.5074
65	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	2.0128
66	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	1.5136
67	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	1.011
68	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	0.5061
69	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	0.
70	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-0.5061
71	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-1.011
72	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-1.5136
73	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-2.0128
74	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-2.5074
75	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-2.9964
76	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-3.4785
77	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-3.9528
78	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-4.4182
79	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-4.8735
80	MSSSRC1	2.18	2.18	2.18	0.	0.	0.	-5.3178
81	MSSSRC1	3.07	3.07	3.07	0.	0.	0.	-5.9982
82	MSSSRC1	2.58	2.58	2.58	0.	0.	0.	-6.6443
82~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.6443
1~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.7342
2~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.7938
3~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.8402
4~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.8734
5~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.8934
6~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.9
7~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.8824
8~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.8298
9~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.7423
10~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.6205
11~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.465
12~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.2765
13~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.056
14~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.8046
42~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.8046
43~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.056
44~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.2765
45~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.465
46~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.6205

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
47~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.7423
48~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.8298
49~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.8824
50~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.9
51~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.8934
52~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.8734
53~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.8402
54~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.7938
55~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.7342
56~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.6443
57~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.9982
58~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.3178
59~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.8735
60~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.4182
61~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.9528
62~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.4785
63~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.9964
64~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.5074
65~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.0128
66~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.5136
67~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.011
68~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.5061
69~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
70~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-0.5061
71~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.011
72~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.5136
73~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.0128
74~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.5074
75~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.9964
76~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.4785
77~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.9528
78~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.4182
79~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.8735
80~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.3178
81~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.9982
SumAccelUX	MSSSRC1	106.01	0.	0.	0.	0.	0.	-1.858E-16
SumAccelUY	MSSSRC1	0.	106.01	0.	0.	0.	0.	-1.858E-16
SumAccelUZ	MSSSRC1	0.	0.	106.01	0.	0.	0.	-1.858E-16

Table 17: Assembled Joint Masses, Part 2 of 2

Table 17: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
1	MSSSRC1	0.	-2.247
2	MSSSRC1	0.	-1.8
3	MSSSRC1	0.	-1.3514
4	MSSSRC1	0.	-0.9015
5	MSSSRC1	0.	-0.451
6	MSSSRC1	0.	0.
7	MSSSRC1	0.	0.4922
8	MSSSRC1	0.	0.982
9	MSSSRC1	0.	1.4667

Table 17: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
10	MSSSRC1	0.	1.944
11	MSSSRC1	0.	2.4113
12	MSSSRC1	0.	2.8664
13	MSSSRC1	0.	3.3068
14	MSSSRC1	0.	3.7304
15	MSSSRC1	0.	4.135
16	MSSSRC1	0.	4.5185
17	MSSSRC1	0.	4.879
18	MSSSRC1	0.	5.2147
19	MSSSRC1	0.	5.5237
20	MSSSRC1	0.	5.8046
21	MSSSRC1	0.	6.056
22	MSSSRC1	0.	6.2765
23	MSSSRC1	0.	6.465
24	MSSSRC1	0.	6.6205
25	MSSSRC1	0.	6.7423
26	MSSSRC1	0.	6.8298
27	MSSSRC1	0.	6.8824
28	MSSSRC1	0.	6.9
29	MSSSRC1	0.	6.8824
30	MSSSRC1	0.	6.8298
31	MSSSRC1	0.	6.7423
32	MSSSRC1	0.	6.6205
33	MSSSRC1	0.	6.465
34	MSSSRC1	0.	6.2765
35	MSSSRC1	0.	6.056
36	MSSSRC1	0.	5.8046
37	MSSSRC1	0.	5.5237
38	MSSSRC1	0.	5.2147
39	MSSSRC1	0.	4.879
40	MSSSRC1	0.	4.5185
41	MSSSRC1	0.	4.135
42	MSSSRC1	0.	3.7304
43	MSSSRC1	0.	3.3068
44	MSSSRC1	0.	2.8664
45	MSSSRC1	0.	2.4113
46	MSSSRC1	0.	1.944
47	MSSSRC1	0.	1.4667
48	MSSSRC1	0.	0.982
49	MSSSRC1	0.	0.4922
50	MSSSRC1	0.	0.
51	MSSSRC1	0.	-0.451
52	MSSSRC1	0.	-0.9015
53	MSSSRC1	0.	-1.3514
54	MSSSRC1	0.	-1.8
55	MSSSRC1	0.	-2.247
56	MSSSRC1	0.	-2.7862
57	MSSSRC1	0.	-3.2642
58	MSSSRC1	0.	-3.6921
59	MSSSRC1	0.	-3.9347
60	MSSSRC1	0.	-4.1559
61	MSSSRC1	0.	-4.3552
62	MSSSRC1	0.	-4.5321
63	MSSSRC1	0.	-4.6862

Table 17: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
64	MSSSRC1	0.	-4.8172
65	MSSSRC1	0.	-4.9248
66	MSSSRC1	0.	-5.0088
67	MSSSRC1	0.	-5.0689
68	MSSSRC1	0.	-5.105
69	MSSSRC1	0.	-5.117
70	MSSSRC1	0.	-5.105
71	MSSSRC1	0.	-5.0689
72	MSSSRC1	0.	-5.0088
73	MSSSRC1	0.	-4.9248
74	MSSSRC1	0.	-4.8172
75	MSSSRC1	0.	-4.6862
76	MSSSRC1	0.	-4.5321
77	MSSSRC1	0.	-4.3552
78	MSSSRC1	0.	-4.1559
79	MSSSRC1	0.	-3.9347
80	MSSSRC1	0.	-3.6921
81	MSSSRC1	0.	-3.2642
82	MSSSRC1	0.	-2.7862
82~Link	MSSSRC1	0.	-2.7862
1~Link	MSSSRC1	0.	-2.247
2~Link	MSSSRC1	0.	-1.8
3~Link	MSSSRC1	0.	-1.3514
4~Link	MSSSRC1	0.	-0.9015
5~Link	MSSSRC1	0.	-0.451
6~Link	MSSSRC1	0.	0.
7~Link	MSSSRC1	0.	0.4922
8~Link	MSSSRC1	0.	0.982
9~Link	MSSSRC1	0.	1.4667
10~Link	MSSSRC1	0.	1.944
11~Link	MSSSRC1	0.	2.4113
12~Link	MSSSRC1	0.	2.8664
13~Link	MSSSRC1	0.	3.3068
14~Link	MSSSRC1	0.	3.7304
42~Link	MSSSRC1	0.	3.7304
43~Link	MSSSRC1	0.	3.3068
44~Link	MSSSRC1	0.	2.8664
45~Link	MSSSRC1	0.	2.4113
46~Link	MSSSRC1	0.	1.944
47~Link	MSSSRC1	0.	1.4667
48~Link	MSSSRC1	0.	0.982
49~Link	MSSSRC1	0.	0.4922
50~Link	MSSSRC1	0.	0.
51~Link	MSSSRC1	0.	-0.451
52~Link	MSSSRC1	0.	-0.9015
53~Link	MSSSRC1	0.	-1.3514
54~Link	MSSSRC1	0.	-1.8
55~Link	MSSSRC1	0.	-2.247
56~Link	MSSSRC1	0.	-2.7862
57~Link	MSSSRC1	0.	-3.2642
58~Link	MSSSRC1	0.	-3.6921
59~Link	MSSSRC1	0.	-3.9347
60~Link	MSSSRC1	0.	-4.1559
61~Link	MSSSRC1	0.	-4.3552

Table 17: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
62~Link	MSSSRC1	0.	-4.5321
63~Link	MSSSRC1	0.	-4.6862
64~Link	MSSSRC1	0.	-4.8172
65~Link	MSSSRC1	0.	-4.9248
66~Link	MSSSRC1	0.	-5.0088
67~Link	MSSSRC1	0.	-5.0689
68~Link	MSSSRC1	0.	-5.105
69~Link	MSSSRC1	0.	-5.117
70~Link	MSSSRC1	0.	-5.105
71~Link	MSSSRC1	0.	-5.0689
72~Link	MSSSRC1	0.	-5.0088
73~Link	MSSSRC1	0.	-4.9248
74~Link	MSSSRC1	0.	-4.8172
75~Link	MSSSRC1	0.	-4.6862
76~Link	MSSSRC1	0.	-4.5321
77~Link	MSSSRC1	0.	-4.3552
78~Link	MSSSRC1	0.	-4.1559
79~Link	MSSSRC1	0.	-3.9347
80~Link	MSSSRC1	0.	-3.6921
81~Link	MSSSRC1	0.	-3.2642
SumAccelUX	MSSSRC1	0.	0.21392
SumAccelUY	MSSSRC1	0.	0.21392
SumAccelUZ	MSSSRC1	0.	0.21392

6.2. Base reactions

Table 18: Base Reactions

Table 18: Base Reactions

OutputCase	StepType	GlobalFX	GlobalFY	GlobalFZ	GlobalMX	GlobalMY	GlobalMZ
		KN	KN	KN	KN-m	KN-m	KN-m
SLE	Max	5.450E-12	-1.022E-13	2034.204	-4.659E-13	1.027E-09	0.
SLE	Min	5.450E-12	-1.022E-13	2034.204	-4.659E-13	1.027E-09	0.
SLU	Max	6.832E-12	-1.329E-13	2644.465	-6.057E-13	1.334E-09	0.
SLU	Min	6.832E-12	-1.329E-13	2644.465	-6.057E-13	1.334E-09	0.
SLV_DX_D	Max	895.237	-1.358E-13	2275.257	-6.260E-13	1387.8197	3.457E-14
SLV_DX_D	Min	895.237	-1.358E-13	2275.257	-6.260E-13	1387.8197	3.457E-14
SLV_SX_D	Max	-895.237	-1.358E-13	2275.257	-6.260E-13	-1387.8197	-3.457E-14
SLV_SX_D	Min	-895.237	-1.358E-13	2275.257	-6.260E-13	-1387.8197	-3.457E-14
SLV_DX_U	Max	895.359	-1.283E-13	1793.15	-5.980E-13	1387.5834	6.029E-14
SLV_DX_U	Min	895.359	-1.283E-13	1793.15	-5.980E-13	1387.5834	6.029E-14
SLV_SX_U	Max	-895.359	-1.283E-13	1793.15	-5.980E-13	-1387.5834	-6.029E-14
SLV_SX_U	Min	-895.359	-1.283E-13	1793.15	-5.980E-13	-1387.5834	-6.029E-14

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	U2	U3	R1	R2
			m	m	m	Radians	Radians
1	SLE	Max	-0.000199	0.	-0.000966	0.	-0.000074
1	SLE	Min	-0.000199	0.	-0.000966	0.	-0.000074
1	SLU	Max	-0.000259	0.	-0.001255	0.	-0.000096
1	SLU	Min	-0.000259	0.	-0.001255	0.	-0.000096
1	SLV_DX_D	Max	-0.000368	0.	-0.000972	0.	-0.000011
1	SLV_DX_D	Min	-0.000368	0.	-0.000972	0.	-0.000011
1	SLV_SX_D	Max	0.000588	0.	-0.00072	0.	0.000192
1	SLV_SX_D	Min	0.000588	0.	-0.00072	0.	0.000192
1	SLV_DX_U	Max	-0.000441	0.	-0.000589	0.	0.00008
1	SLV_DX_U	Min	-0.000441	0.	-0.000589	0.	0.00008
1	SLV_SX_U	Max	0.001266	0.	-0.000292	0.	0.000378
1	SLV_SX_U	Min	0.001266	0.	-0.000292	0.	0.000378
2	SLE	Max	-0.000219	0.	-0.000978	0.	-0.000045
2	SLE	Min	-0.000219	0.	-0.000978	0.	-0.000045
2	SLU	Max	-0.000285	0.	-0.001272	0.	-0.000058
2	SLU	Min	-0.000285	0.	-0.001272	0.	-0.000058
2	SLV_DX_D	Max	-0.000355	0.	-0.000982	0.	0.000021
2	SLV_DX_D	Min	-0.000355	0.	-0.000982	0.	0.000021
2	SLV_SX_D	Max	0.000696	0.	-0.000717	0.	0.000249
2	SLV_SX_D	Min	0.000696	0.	-0.000717	0.	0.000249
2	SLV_DX_U	Max	-0.000389	0.	-0.000591	0.	0.000104
2	SLV_DX_U	Min	-0.000389	0.	-0.000591	0.	0.000104
2	SLV_SX_U	Max	0.00146	0.	-0.000275	0.	0.000434
2	SLV_SX_U	Min	0.00146	0.	-0.000275	0.	0.000434
3	SLE	Max	-0.000226	0.	-0.00099	0.	-0.000015
3	SLE	Min	-0.000226	0.	-0.00099	0.	-0.000015
3	SLU	Max	-0.000294	0.	-0.001287	0.	-0.00002
3	SLU	Min	-0.000294	0.	-0.001287	0.	-0.00002
3	SLV_DX_D	Max	-0.00033	0.	-0.000992	0.	0.000048
3	SLV_DX_D	Min	-0.00033	0.	-0.000992	0.	0.000048
3	SLV_SX_D	Max	0.000832	0.	-0.000714	0.	0.000308
3	SLV_SX_D	Min	0.000832	0.	-0.000714	0.	0.000308
3	SLV_DX_U	Max	-0.000329	0.	-0.000595	0.	0.00012
3	SLV_DX_U	Min	-0.000329	0.	-0.000595	0.	0.00012
3	SLV_SX_U	Max	0.001679	0.	-0.000261	0.	0.000488
3	SLV_SX_U	Min	0.001679	0.	-0.000261	0.	0.000488
4	SLE	Max	-0.00022	0.	-0.001001	0.	0.000012
4	SLE	Min	-0.00022	0.	-0.001001	0.	0.000012
4	SLU	Max	-0.000287	0.	-0.001301	0.	0.000016
4	SLU	Min	-0.000287	0.	-0.001301	0.	0.000016
4	SLV_DX_D	Max	-0.000295	0.	-0.001003	0.	0.000066
4	SLV_DX_D	Min	-0.000295	0.	-0.001003	0.	0.000066
4	SLV_SX_D	Max	0.000995	0.	-0.000714	0.	0.000367
4	SLV_SX_D	Min	0.000995	0.	-0.000714	0.	0.000367
4	SLV_DX_U	Max	-0.000266	0.	-0.000602	0.	0.000124
4	SLV_DX_U	Min	-0.000266	0.	-0.000602	0.	0.000124
4	SLV_SX_U	Max	0.001922	0.	-0.000253	0.	0.000534
4	SLV_SX_U	Min	0.001922	0.	-0.000253	0.	0.000534
5	SLE	Max	-0.000205	0.	-0.001012	0.	0.000033
5	SLE	Min	-0.000205	0.	-0.001012	0.	0.000033
5	SLU	Max	-0.000266	0.	-0.001315	0.	0.000043
5	SLU	Min	-0.000266	0.	-0.001315	0.	0.000043
5	SLV_DX_D	Max	-0.000256	0.	-0.001015	0.	0.00007

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
5	SLV_DX_D	Min	-0.000256	0.	-0.001015	0.	0.00007
5	SLV_SX_D	Max	0.001181	0.	-0.000718	0.	0.000412
5	SLV_SX_D	Min	0.001181	0.	-0.000718	0.	0.000412
5	SLV_DX_U	Max	-0.000205	0.	-0.00061	0.	0.000112
5	SLV_DX_U	Min	-0.000205	0.	-0.00061	0.	0.000112
5	SLV_SX_U	Max	0.002182	0.	-0.000251	0.	0.000561
5	SLV_SX_U	Min	0.002182	0.	-0.000251	0.	0.000561
6	SLE	Max	-0.000183	0.	-0.001023	0.	0.000046
6	SLE	Min	-0.000183	0.	-0.001023	0.	0.000046
6	SLU	Max	-0.000237	0.	-0.00133	0.	0.00006
6	SLU	Min	-0.000237	0.	-0.00133	0.	0.00006
6	SLV_DX_D	Max	-0.00022	0.	-0.001028	0.	0.000058
6	SLV_DX_D	Min	-0.00022	0.	-0.001028	0.	0.000058
6	SLV_SX_D	Max	0.001383	0.	-0.000727	0.	0.000437
6	SLV_SX_D	Min	0.001383	0.	-0.000727	0.	0.000437
6	SLV_DX_U	Max	-0.000153	0.	-0.00062	0.	0.000084
6	SLV_DX_U	Min	-0.000153	0.	-0.00062	0.	0.000084
6	SLV_SX_U	Max	0.002447	0.	-0.000256	0.	0.000563
6	SLV_SX_U	Min	0.002447	0.	-0.000256	0.	0.000563
7	SLE	Max	-0.000156	0.	-0.001036	0.	0.000052
7	SLE	Min	-0.000156	0.	-0.001036	0.	0.000052
7	SLU	Max	-0.000203	0.	-0.001347	0.	0.000067
7	SLU	Min	-0.000203	0.	-0.001347	0.	0.000067
7	SLV_DX_D	Max	-0.000192	0.	-0.001044	0.	0.00003
7	SLV_DX_D	Min	-0.000192	0.	-0.001044	0.	0.00003
7	SLV_SX_D	Max	0.001608	0.	-0.000748	0.	0.000443
7	SLV_SX_D	Min	0.001608	0.	-0.000748	0.	0.000443
7	SLV_DX_U	Max	-0.000118	0.	-0.000633	0.	0.000038
7	SLV_DX_U	Min	-0.000118	0.	-0.000633	0.	0.000038
7	SLV_SX_U	Max	0.002729	0.	-0.000276	0.	0.000538
7	SLV_SX_U	Min	0.002729	0.	-0.000276	0.	0.000538
8	SLE	Max	-0.000131	0.	-0.001051	0.	0.000053
8	SLE	Min	-0.000131	0.	-0.001051	0.	0.000053
8	SLU	Max	-0.00017	0.	-0.001366	0.	0.000069
8	SLU	Min	-0.00017	0.	-0.001366	0.	0.000069
8	SLV_DX_D	Max	-0.000184	0.	-0.001059	0.	-0.000011
8	SLV_DX_D	Min	-0.000184	0.	-0.001059	0.	-0.000011
8	SLV_SX_D	Max	0.001828	0.	-0.000784	0.	0.000428
8	SLV_SX_D	Min	0.001828	0.	-0.000784	0.	0.000428
8	SLV_DX_U	Max	-0.00011	0.	-0.000646	0.	-0.000022
8	SLV_DX_U	Min	-0.00011	0.	-0.000646	0.	-0.000022
8	SLV_SX_U	Max	0.002989	0.	-0.000314	0.	0.000491
8	SLV_SX_U	Min	0.002989	0.	-0.000314	0.	0.000491
9	SLE	Max	-0.000107	0.	-0.001068	0.	0.000052
9	SLE	Min	-0.000107	0.	-0.001068	0.	0.000052
9	SLU	Max	-0.000139	0.	-0.001388	0.	0.000067
9	SLU	Min	-0.000139	0.	-0.001388	0.	0.000067
9	SLV_DX_D	Max	-0.0002	0.	-0.001071	0.	-0.000062
9	SLV_DX_D	Min	-0.0002	0.	-0.001071	0.	-0.000062
9	SLV_SX_D	Max	0.002032	0.	-0.000833	0.	0.000396
9	SLV_SX_D	Min	0.002032	0.	-0.000833	0.	0.000396
9	SLV_DX_U	Max	-0.000135	0.	-0.000653	0.	-0.000093
9	SLV_DX_U	Min	-0.000135	0.	-0.000653	0.	-0.000093
9	SLV_SX_U	Max	0.003216	0.	-0.000364	0.	0.000425

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
9	SLV_SX_U	Min	0.003216	0.	-0.000364	0.	0.000425
10	SLE	Max	-0.000085	0.	-0.001085	0.	0.000049
10	SLE	Min	-0.000085	0.	-0.001085	0.	0.000049
10	SLU	Max	-0.000111	0.	-0.001411	0.	0.000064
10	SLU	Min	-0.000111	0.	-0.001411	0.	0.000064
10	SLV_DX_D	Max	-0.000244	0.	-0.001074	0.	-0.000123
10	SLV_DX_D	Min	-0.000244	0.	-0.001074	0.	-0.000123
10	SLV_SX_D	Max	0.002213	0.	-0.000892	0.	0.00035
10	SLV_SX_D	Min	0.002213	0.	-0.000892	0.	0.00035
10	SLV_DX_U	Max	-0.000197	0.	-0.000648	0.	-0.000174
10	SLV_DX_U	Min	-0.000197	0.	-0.000648	0.	-0.000174
10	SLV_SX_U	Max	0.003403	0.	-0.000421	0.	0.000344
10	SLV_SX_U	Min	0.003403	0.	-0.000421	0.	0.000344
11	SLE	Max	-0.000066	0.	-0.001103	0.	0.000047
11	SLE	Min	-0.000066	0.	-0.001103	0.	0.000047
11	SLU	Max	-0.000086	0.	-0.001434	0.	0.000061
11	SLU	Min	-0.000086	0.	-0.001434	0.	0.000061
11	SLV_DX_D	Max	-0.000319	0.	-0.001063	0.	-0.000189
11	SLV_DX_D	Min	-0.000319	0.	-0.001063	0.	-0.000189
11	SLV_SX_D	Max	0.002363	0.	-0.000954	0.	0.000292
11	SLV_SX_D	Min	0.002363	0.	-0.000954	0.	0.000292
11	SLV_DX_U	Max	-0.0003	0.	-0.000625	0.	-0.000263
11	SLV_DX_U	Min	-0.0003	0.	-0.000625	0.	-0.000263
11	SLV_SX_U	Max	0.003543	0.	-0.000477	0.	0.000253
11	SLV_SX_U	Min	0.003543	0.	-0.000477	0.	0.000253
12	SLE	Max	-0.00005	0.	-0.001122	0.	0.000045
12	SLE	Min	-0.00005	0.	-0.001122	0.	0.000045
12	SLU	Max	-0.000065	0.	-0.001459	0.	0.000058
12	SLU	Min	-0.000065	0.	-0.001459	0.	0.000058
12	SLV_DX_D	Max	-0.000426	0.	-0.001033	0.	-0.000258
12	SLV_DX_D	Min	-0.000426	0.	-0.001033	0.	-0.000258
12	SLV_SX_D	Max	0.00248	0.	-0.001014	0.	0.000226
12	SLV_SX_D	Min	0.00248	0.	-0.001014	0.	0.000226
12	SLV_DX_U	Max	-0.000445	0.	-0.000577	0.	-0.000354
12	SLV_DX_U	Min	-0.000445	0.	-0.000577	0.	-0.000354
12	SLV_SX_U	Max	0.003635	0.	-0.000524	0.	0.000156
12	SLV_SX_U	Min	0.003635	0.	-0.000524	0.	0.000156
13	SLE	Max	-0.000036	0.	-0.001142	0.	0.000044
13	SLE	Min	-0.000036	0.	-0.001142	0.	0.000044
13	SLU	Max	-0.000046	0.	-0.001484	0.	0.000057
13	SLU	Min	-0.000046	0.	-0.001484	0.	0.000057
13	SLV_DX_D	Max	-0.000564	0.	-0.00098	0.	-0.000324
13	SLV_DX_D	Min	-0.000564	0.	-0.00098	0.	-0.000324
13	SLV_SX_D	Max	0.00256	0.	-0.001066	0.	0.000155
13	SLV_SX_D	Min	0.00256	0.	-0.001066	0.	0.000155
13	SLV_DX_U	Max	-0.000628	0.	-0.000497	0.	-0.000442
13	SLV_DX_U	Min	-0.000628	0.	-0.000497	0.	-0.000442
13	SLV_SX_U	Max	0.003678	0.	-0.000555	0.	0.000057
13	SLV_SX_U	Min	0.003678	0.	-0.000555	0.	0.000057
14	SLE	Max	-0.000023	0.	-0.001161	0.	0.000043
14	SLE	Min	-0.000023	0.	-0.001161	0.	0.000043
14	SLU	Max	-0.00003	0.	-0.00151	0.	0.000056
14	SLU	Min	-0.00003	0.	-0.00151	0.	0.000056
14	SLV_DX_D	Max	-0.000725	0.	-0.0009	0.	-0.000377

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
14	SLV_DX_D	Min	-0.000725	0.	-0.0009	0.	-0.000377
14	SLV_SX_D	Max	0.002606	0.	-0.001106	0.	0.000082
14	SLV_SX_D	Min	0.002606	0.	-0.001106	0.	0.000082
14	SLV_DX_U	Max	-0.000845	0.	-0.000383	0.	-0.000516
14	SLV_DX_U	Min	-0.000845	0.	-0.000383	0.	-0.000516
14	SLV_SX_U	Max	0.003676	0.	-0.000564	0.	-0.000041
14	SLV_SX_U	Min	0.003676	0.	-0.000564	0.	-0.000041
15	SLE	Max	-0.000011	0.	-0.001182	0.	0.000044
15	SLE	Min	-0.000011	0.	-0.001182	0.	0.000044
15	SLU	Max	-0.000015	0.	-0.001537	0.	0.000057
15	SLU	Min	-0.000015	0.	-0.001537	0.	0.000057
15	SLV_DX_D	Max	-0.000901	0.	-0.000796	0.	-0.00041
15	SLV_DX_D	Min	-0.000901	0.	-0.000796	0.	-0.00041
15	SLV_SX_D	Max	0.002617	0.	-0.001126	0.	8.186E-06
15	SLV_SX_D	Min	0.002617	0.	-0.001126	0.	8.186E-06
15	SLV_DX_U	Max	-0.001081	0.	-0.000234	0.	-0.000568
15	SLV_DX_U	Min	-0.001081	0.	-0.000234	0.	-0.000568
15	SLV_SX_U	Max	0.003633	0.	-0.000545	0.	-0.000134
15	SLV_SX_U	Min	0.003633	0.	-0.000545	0.	-0.000134
16	SLE	Max	-6.618E-07	0.	-0.001203	0.	0.000044
16	SLE	Min	-6.618E-07	0.	-0.001203	0.	0.000044
16	SLU	Max	-8.603E-07	0.	-0.001564	0.	0.000057
16	SLU	Min	-8.603E-07	0.	-0.001564	0.	0.000057
16	SLV_DX_D	Max	-0.001076	0.	-0.000673	0.	-0.000424
16	SLV_DX_D	Min	-0.001076	0.	-0.000673	0.	-0.000424
16	SLV_SX_D	Max	0.002599	0.	-0.001125	0.	-0.000062
16	SLV_SX_D	Min	0.002599	0.	-0.001125	0.	-0.000062
16	SLV_DX_U	Max	-0.001319	0.	-0.000058	0.	-0.000594
16	SLV_DX_U	Min	-0.001319	0.	-0.000058	0.	-0.000594
16	SLV_SX_U	Max	0.003557	0.	-0.000494	0.	-0.000219
16	SLV_SX_U	Min	0.003557	0.	-0.000494	0.	-0.000219
17	SLE	Max	8.849E-06	0.	-0.001225	0.	0.000044
17	SLE	Min	8.849E-06	0.	-0.001225	0.	0.000044
17	SLU	Max	0.000012	0.	-0.001593	0.	0.000057
17	SLU	Min	0.000012	0.	-0.001593	0.	0.000057
17	SLV_DX_D	Max	-0.001243	0.	-0.000537	0.	-0.000419
17	SLV_DX_D	Min	-0.001243	0.	-0.000537	0.	-0.000419
17	SLV_SX_D	Max	0.002556	0.	-0.001099	0.	-0.000127
17	SLV_SX_D	Min	0.002556	0.	-0.001099	0.	-0.000127
17	SLV_DX_U	Max	-0.001549	0.	0.000139	0.	-0.000597
17	SLV_DX_U	Min	-0.001549	0.	0.000139	0.	-0.000597
17	SLV_SX_U	Max	0.003455	0.	-0.000411	0.	-0.000294
17	SLV_SX_U	Min	0.003455	0.	-0.000411	0.	-0.000294
18	SLE	Max	0.000017	0.	-0.001248	0.	0.000044
18	SLE	Min	0.000017	0.	-0.001248	0.	0.000044
18	SLU	Max	0.000022	0.	-0.001622	0.	0.000057
18	SLU	Min	0.000022	0.	-0.001622	0.	0.000057
18	SLV_DX_D	Max	-0.001395	0.	-0.000394	0.	-0.0004
18	SLV_DX_D	Min	-0.001395	0.	-0.000394	0.	-0.0004
18	SLV_SX_D	Max	0.002493	0.	-0.001047	0.	-0.000185
18	SLV_SX_D	Min	0.002493	0.	-0.001047	0.	-0.000185
18	SLV_DX_U	Max	-0.001762	0.	0.000349	0.	-0.00058
18	SLV_DX_U	Min	-0.001762	0.	0.000349	0.	-0.00058
18	SLV_SX_U	Max	0.003335	0.	-0.000296	0.	-0.000357

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
18	SLV_SX_U	Min	0.003335	0.	-0.000296	0.	-0.000357
19	SLE	Max	0.000023	0.	-0.00127	0.	0.000042
19	SLE	Min	0.000023	0.	-0.00127	0.	0.000042
19	SLU	Max	0.00003	0.	-0.001651	0.	0.000055
19	SLU	Min	0.00003	0.	-0.001651	0.	0.000055
19	SLV_DX_D	Max	-0.001527	0.	-0.000252	0.	-0.000367
19	SLV_DX_D	Min	-0.001527	0.	-0.000252	0.	-0.000367
19	SLV_SX_D	Max	0.002417	0.	-0.00097	0.	-0.000234
19	SLV_SX_D	Min	0.002417	0.	-0.00097	0.	-0.000234
19	SLV_DX_U	Max	-0.00195	0.	0.000563	0.	-0.000546
19	SLV_DX_U	Min	-0.00195	0.	0.000563	0.	-0.000546
19	SLV_SX_U	Max	0.003206	0.	-0.00015	0.	-0.000405
19	SLV_SX_U	Min	0.003206	0.	-0.00015	0.	-0.000405
20	SLE	Max	0.000028	0.	-0.001292	0.	0.00004
20	SLE	Min	0.000028	0.	-0.001292	0.	0.00004
20	SLU	Max	0.000036	0.	-0.001679	0.	0.000052
20	SLU	Min	0.000036	0.	-0.001679	0.	0.000052
20	SLV_DX_D	Max	-0.001637	0.	-0.000116	0.	-0.000324
20	SLV_DX_D	Min	-0.001637	0.	-0.000116	0.	-0.000324
20	SLV_SX_D	Max	0.002335	0.	-0.00087	0.	-0.000272
20	SLV_SX_D	Min	0.002335	0.	-0.00087	0.	-0.000272
20	SLV_DX_U	Max	-0.002109	0.	0.000772	0.	-0.000496
20	SLV_DX_U	Min	-0.002109	0.	0.000772	0.	-0.000496
20	SLV_SX_U	Max	0.003076	0.	0.000021	0.	-0.000438
20	SLV_SX_U	Min	0.003076	0.	0.000021	0.	-0.000438
21	SLE	Max	0.000031	0.	-0.001313	0.	0.000037
21	SLE	Min	0.000031	0.	-0.001313	0.	0.000037
21	SLU	Max	0.00004	0.	-0.001707	0.	0.000048
21	SLU	Min	0.00004	0.	-0.001707	0.	0.000048
21	SLV_DX_D	Max	-0.001726	0.	6.541E-06	0.	-0.000273
21	SLV_DX_D	Min	-0.001726	0.	6.541E-06	0.	-0.000273
21	SLV_SX_D	Max	0.002251	0.	-0.00075	0.	-0.000298
21	SLV_SX_D	Min	0.002251	0.	-0.00075	0.	-0.000298
21	SLV_DX_U	Max	-0.002239	0.	0.000967	0.	-0.000433
21	SLV_DX_U	Min	-0.002239	0.	0.000967	0.	-0.000433
21	SLV_SX_U	Max	0.002952	0.	0.000211	0.	-0.000455
21	SLV_SX_U	Min	0.002952	0.	0.000211	0.	-0.000455
22	SLE	Max	0.000031	0.	-0.001332	0.	0.000033
22	SLE	Min	0.000031	0.	-0.001332	0.	0.000033
22	SLU	Max	0.00004	0.	-0.001732	0.	0.000043
22	SLU	Min	0.00004	0.	-0.001732	0.	0.000043
22	SLV_DX_D	Max	-0.001792	0.	0.00011	0.	-0.000215
22	SLV_DX_D	Min	-0.001792	0.	0.00011	0.	-0.000215
22	SLV_SX_D	Max	0.002172	0.	-0.000616	0.	-0.000312
22	SLV_SX_D	Min	0.002172	0.	-0.000616	0.	-0.000312
22	SLV_DX_U	Max	-0.002339	0.	0.00114	0.	-0.00036
22	SLV_DX_U	Min	-0.002339	0.	0.00114	0.	-0.00036
22	SLV_SX_U	Max	0.00284	0.	0.000413	0.	-0.000455
22	SLV_SX_U	Min	0.00284	0.	0.000413	0.	-0.000455
23	SLE	Max	0.00003	0.	-0.00135	0.	0.000029
23	SLE	Min	0.00003	0.	-0.00135	0.	0.000029
23	SLU	Max	0.000038	0.	-0.001755	0.	0.000037
23	SLU	Min	0.000038	0.	-0.001755	0.	0.000037
23	SLV_DX_D	Max	-0.001839	0.	0.000191	0.	-0.000153

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
23	SLV_DX_D	Min	-0.001839	0.	0.000191	0.	-0.000153
23	SLV_SX_D	Max	0.002101	0.	-0.000473	0.	-0.000314
23	SLV_SX_D	Min	0.002101	0.	-0.000473	0.	-0.000314
23	SLV_DX_U	Max	-0.002412	0.	0.001283	0.	-0.000279
23	SLV_DX_U	Min	-0.002412	0.	0.001283	0.	-0.000279
23	SLV_SX_U	Max	0.002743	0.	0.000619	0.	-0.000439
23	SLV_SX_U	Min	0.002743	0.	0.000619	0.	-0.000439
24	SLE	Max	0.000026	0.	-0.001365	0.	0.000024
24	SLE	Min	0.000026	0.	-0.001365	0.	0.000024
24	SLU	Max	0.000034	0.	-0.001774	0.	0.000031
24	SLU	Min	0.000034	0.	-0.001774	0.	0.000031
24	SLV_DX_D	Max	-0.00187	0.	0.000244	0.	-0.000088
24	SLV_DX_D	Min	-0.00187	0.	0.000244	0.	-0.000088
24	SLV_SX_D	Max	0.00204	0.	-0.000327	0.	-0.000304
24	SLV_SX_D	Min	0.00204	0.	-0.000327	0.	-0.000304
24	SLV_DX_U	Max	-0.00246	0.	0.001392	0.	-0.000193
24	SLV_DX_U	Min	-0.00246	0.	0.001392	0.	-0.000193
24	SLV_SX_U	Max	0.002665	0.	0.00082	0.	-0.000408
24	SLV_SX_U	Min	0.002665	0.	0.00082	0.	-0.000408
25	SLE	Max	0.000021	0.	-0.001377	0.	0.000018
25	SLE	Min	0.000021	0.	-0.001377	0.	0.000018
25	SLU	Max	0.000027	0.	-0.00179	0.	0.000024
25	SLU	Min	0.000027	0.	-0.00179	0.	0.000024
25	SLV_DX_D	Max	-0.001889	0.	0.000267	0.	-0.000023
25	SLV_DX_D	Min	-0.001889	0.	0.000267	0.	-0.000023
25	SLV_SX_D	Max	0.001992	0.	-0.000185	0.	-0.000282
25	SLV_SX_D	Min	0.001992	0.	-0.000185	0.	-0.000282
25	SLV_DX_U	Max	-0.00249	0.	0.00146	0.	-0.000103
25	SLV_DX_U	Min	-0.00249	0.	0.00146	0.	-0.000103
25	SLV_SX_U	Max	0.002607	0.	0.001007	0.	-0.000363
25	SLV_SX_U	Min	0.002607	0.	0.001007	0.	-0.000363
26	SLE	Max	0.000015	0.	-0.001386	0.	0.000012
26	SLE	Min	0.000015	0.	-0.001386	0.	0.000012
26	SLU	Max	0.000019	0.	-0.001801	0.	0.000016
26	SLU	Min	0.000019	0.	-0.001801	0.	0.000016
26	SLV_DX_D	Max	-0.0019	0.	0.000259	0.	0.000041
26	SLV_DX_D	Min	-0.0019	0.	0.000259	0.	0.000041
26	SLV_SX_D	Max	0.001957	0.	-0.000054	0.	-0.00025
26	SLV_SX_D	Min	0.001957	0.	-0.000054	0.	-0.00025
26	SLV_DX_U	Max	-0.002506	0.	0.001486	0.	-0.000013
26	SLV_DX_U	Min	-0.002506	0.	0.001486	0.	-0.000013
26	SLV_SX_U	Max	0.002566	0.	0.001172	0.	-0.000305
26	SLV_SX_U	Min	0.002566	0.	0.001172	0.	-0.000305
27	SLE	Max	7.632E-06	0.	-0.001391	0.	6.205E-06
27	SLE	Min	7.632E-06	0.	-0.001391	0.	6.205E-06
27	SLU	Max	9.921E-06	0.	-0.001809	0.	8.067E-06
27	SLU	Min	9.921E-06	0.	-0.001809	0.	8.067E-06
27	SLV_DX_D	Max	-0.001908	0.	0.000221	0.	0.000102
27	SLV_DX_D	Min	-0.001908	0.	0.000221	0.	0.000102
27	SLV_SX_D	Max	0.001933	0.	0.000061	0.	-0.000208
27	SLV_SX_D	Min	0.001933	0.	0.000061	0.	-0.000208
27	SLV_DX_U	Max	-0.002516	0.	0.001468	0.	0.000075
27	SLV_DX_U	Min	-0.002516	0.	0.001468	0.	0.000075
27	SLV_SX_U	Max	0.00254	0.	0.001308	0.	-0.000236

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
27	SLV_SX_U	Min	0.00254	0.	0.001308	0.	-0.000236
28	SLE	Max	-7.243E-17	0.	-0.001393	0.	-2.585E-17
28	SLE	Min	-7.243E-17	0.	-0.001393	0.	-2.585E-17
28	SLU	Max	-9.404E-17	0.	-0.001811	0.	-3.362E-17
28	SLU	Min	-9.404E-17	0.	-0.001811	0.	-3.362E-17
28	SLV_DX_D	Max	-0.001917	0.	0.000154	0.	0.000158
28	SLV_DX_D	Min	-0.001917	0.	0.000154	0.	0.000158
28	SLV_SX_D	Max	0.001917	0.	0.000154	0.	-0.000158
28	SLV_SX_D	Min	0.001917	0.	0.000154	0.	-0.000158
28	SLV_DX_U	Max	-0.002525	0.	0.001408	0.	0.000159
28	SLV_DX_U	Min	-0.002525	0.	0.001408	0.	0.000159
28	SLV_SX_U	Max	0.002525	0.	0.001408	0.	-0.000159
28	SLV_SX_U	Min	0.002525	0.	0.001408	0.	-0.000159
29	SLE	Max	-7.632E-06	0.	-0.001391	0.	-6.205E-06
29	SLE	Min	-7.632E-06	0.	-0.001391	0.	-6.205E-06
29	SLU	Max	-9.921E-06	0.	-0.001809	0.	-8.067E-06
29	SLU	Min	-9.921E-06	0.	-0.001809	0.	-8.067E-06
29	SLV_DX_D	Max	-0.001933	0.	0.000061	0.	0.000208
29	SLV_DX_D	Min	-0.001933	0.	0.000061	0.	0.000208
29	SLV_SX_D	Max	0.001908	0.	0.000221	0.	-0.000102
29	SLV_SX_D	Min	0.001908	0.	0.000221	0.	-0.000102
29	SLV_DX_U	Max	-0.00254	0.	0.001308	0.	0.000236
29	SLV_DX_U	Min	-0.00254	0.	0.001308	0.	0.000236
29	SLV_SX_U	Max	0.002516	0.	0.001468	0.	-0.000075
29	SLV_SX_U	Min	0.002516	0.	0.001468	0.	-0.000075
30	SLE	Max	-0.000015	0.	-0.001386	0.	-0.000012
30	SLE	Min	-0.000015	0.	-0.001386	0.	-0.000012
30	SLU	Max	-0.000019	0.	-0.001801	0.	-0.000016
30	SLU	Min	-0.000019	0.	-0.001801	0.	-0.000016
30	SLV_DX_D	Max	-0.001957	0.	-0.000054	0.	0.00025
30	SLV_DX_D	Min	-0.001957	0.	-0.000054	0.	0.00025
30	SLV_SX_D	Max	0.0019	0.	0.000259	0.	-0.000041
30	SLV_SX_D	Min	0.0019	0.	0.000259	0.	-0.000041
30	SLV_DX_U	Max	-0.002566	0.	0.001172	0.	0.000305
30	SLV_DX_U	Min	-0.002566	0.	0.001172	0.	0.000305
30	SLV_SX_U	Max	0.002506	0.	0.001486	0.	0.000013
30	SLV_SX_U	Min	0.002506	0.	0.001486	0.	0.000013
31	SLE	Max	-0.000021	0.	-0.001377	0.	-0.000018
31	SLE	Min	-0.000021	0.	-0.001377	0.	-0.000018
31	SLU	Max	-0.000027	0.	-0.00179	0.	-0.000024
31	SLU	Min	-0.000027	0.	-0.00179	0.	-0.000024
31	SLV_DX_D	Max	-0.001992	0.	-0.000185	0.	0.000282
31	SLV_DX_D	Min	-0.001992	0.	-0.000185	0.	0.000282
31	SLV_SX_D	Max	0.001889	0.	0.000267	0.	0.000023
31	SLV_SX_D	Min	0.001889	0.	0.000267	0.	0.000023
31	SLV_DX_U	Max	-0.002607	0.	0.001007	0.	0.000363
31	SLV_DX_U	Min	-0.002607	0.	0.001007	0.	0.000363
31	SLV_SX_U	Max	0.00249	0.	0.00146	0.	0.000103
31	SLV_SX_U	Min	0.00249	0.	0.00146	0.	0.000103
32	SLE	Max	-0.000026	0.	-0.001365	0.	-0.000024
32	SLE	Min	-0.000026	0.	-0.001365	0.	-0.000024
32	SLU	Max	-0.000034	0.	-0.001774	0.	-0.000031
32	SLU	Min	-0.000034	0.	-0.001774	0.	-0.000031
32	SLV_DX_D	Max	-0.00204	0.	-0.000327	0.	0.000304

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
32	SLV_DX_D	Min	-0.00204	0.	-0.000327	0.	0.000304
32	SLV_SX_D	Max	0.00187	0.	0.000244	0.	0.000088
32	SLV_SX_D	Min	0.00187	0.	0.000244	0.	0.000088
32	SLV_DX_U	Max	-0.002665	0.	0.00082	0.	0.000408
32	SLV_DX_U	Min	-0.002665	0.	0.00082	0.	0.000408
32	SLV_SX_U	Max	0.00246	0.	0.001392	0.	0.000193
32	SLV_SX_U	Min	0.00246	0.	0.001392	0.	0.000193
33	SLE	Max	-0.00003	0.	-0.00135	0.	-0.000029
33	SLE	Min	-0.00003	0.	-0.00135	0.	-0.000029
33	SLU	Max	-0.000038	0.	-0.001755	0.	-0.000037
33	SLU	Min	-0.000038	0.	-0.001755	0.	-0.000037
33	SLV_DX_D	Max	-0.002101	0.	-0.000473	0.	0.000314
33	SLV_DX_D	Min	-0.002101	0.	-0.000473	0.	0.000314
33	SLV_SX_D	Max	0.001839	0.	0.000191	0.	0.000153
33	SLV_SX_D	Min	0.001839	0.	0.000191	0.	0.000153
33	SLV_DX_U	Max	-0.002743	0.	0.000619	0.	0.000439
33	SLV_DX_U	Min	-0.002743	0.	0.000619	0.	0.000439
33	SLV_SX_U	Max	0.002412	0.	0.001283	0.	0.000279
33	SLV_SX_U	Min	0.002412	0.	0.001283	0.	0.000279
34	SLE	Max	-0.000031	0.	-0.001332	0.	-0.000033
34	SLE	Min	-0.000031	0.	-0.001332	0.	-0.000033
34	SLU	Max	-0.00004	0.	-0.001732	0.	-0.000043
34	SLU	Min	-0.00004	0.	-0.001732	0.	-0.000043
34	SLV_DX_D	Max	-0.002172	0.	-0.000616	0.	0.000312
34	SLV_DX_D	Min	-0.002172	0.	-0.000616	0.	0.000312
34	SLV_SX_D	Max	0.001792	0.	0.00011	0.	0.000215
34	SLV_SX_D	Min	0.001792	0.	0.00011	0.	0.000215
34	SLV_DX_U	Max	-0.00284	0.	0.000413	0.	0.000455
34	SLV_DX_U	Min	-0.00284	0.	0.000413	0.	0.000455
34	SLV_SX_U	Max	0.002339	0.	0.00114	0.	0.00036
34	SLV_SX_U	Min	0.002339	0.	0.00114	0.	0.00036
35	SLE	Max	-0.000031	0.	-0.001313	0.	-0.000037
35	SLE	Min	-0.000031	0.	-0.001313	0.	-0.000037
35	SLU	Max	-0.00004	0.	-0.001707	0.	-0.000048
35	SLU	Min	-0.00004	0.	-0.001707	0.	-0.000048
35	SLV_DX_D	Max	-0.002251	0.	-0.00075	0.	0.000298
35	SLV_DX_D	Min	-0.002251	0.	-0.00075	0.	0.000298
35	SLV_SX_D	Max	0.001726	0.	6.541E-06	0.	0.000273
35	SLV_SX_D	Min	0.001726	0.	6.541E-06	0.	0.000273
35	SLV_DX_U	Max	-0.002952	0.	0.000211	0.	0.000455
35	SLV_DX_U	Min	-0.002952	0.	0.000211	0.	0.000455
35	SLV_SX_U	Max	0.002239	0.	0.000967	0.	0.000433
35	SLV_SX_U	Min	0.002239	0.	0.000967	0.	0.000433
36	SLE	Max	-0.000028	0.	-0.001292	0.	-0.00004
36	SLE	Min	-0.000028	0.	-0.001292	0.	-0.00004
36	SLU	Max	-0.000036	0.	-0.001679	0.	-0.000052
36	SLU	Min	-0.000036	0.	-0.001679	0.	-0.000052
36	SLV_DX_D	Max	-0.002335	0.	-0.00087	0.	0.000272
36	SLV_DX_D	Min	-0.002335	0.	-0.00087	0.	0.000272
36	SLV_SX_D	Max	0.001637	0.	-0.000116	0.	0.000324
36	SLV_SX_D	Min	0.001637	0.	-0.000116	0.	0.000324
36	SLV_DX_U	Max	-0.003076	0.	0.000021	0.	0.000438
36	SLV_DX_U	Min	-0.003076	0.	0.000021	0.	0.000438
36	SLV_SX_U	Max	0.002109	0.	0.000772	0.	0.000496

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
36	SLV_SX_U	Min	0.002109	0.	0.000772	0.	0.000496
37	SLE	Max	-0.000023	0.	-0.00127	0.	-0.000042
37	SLE	Min	-0.000023	0.	-0.00127	0.	-0.000042
37	SLU	Max	-0.00003	0.	-0.001651	0.	-0.000055
37	SLU	Min	-0.00003	0.	-0.001651	0.	-0.000055
37	SLV_DX_D	Max	-0.002417	0.	-0.00097	0.	0.000234
37	SLV_DX_D	Min	-0.002417	0.	-0.00097	0.	0.000234
37	SLV_SX_D	Max	0.001527	0.	-0.000252	0.	0.000367
37	SLV_SX_D	Min	0.001527	0.	-0.000252	0.	0.000367
37	SLV_DX_U	Max	-0.003206	0.	-0.00015	0.	0.000405
37	SLV_DX_U	Min	-0.003206	0.	-0.00015	0.	0.000405
37	SLV_SX_U	Max	0.00195	0.	0.000563	0.	0.000546
37	SLV_SX_U	Min	0.00195	0.	0.000563	0.	0.000546
38	SLE	Max	-0.000017	0.	-0.001248	0.	-0.000044
38	SLE	Min	-0.000017	0.	-0.001248	0.	-0.000044
38	SLU	Max	-0.000022	0.	-0.001622	0.	-0.000057
38	SLU	Min	-0.000022	0.	-0.001622	0.	-0.000057
38	SLV_DX_D	Max	-0.002493	0.	-0.001047	0.	0.000185
38	SLV_DX_D	Min	-0.002493	0.	-0.001047	0.	0.000185
38	SLV_SX_D	Max	0.001395	0.	-0.000394	0.	0.0004
38	SLV_SX_D	Min	0.001395	0.	-0.000394	0.	0.0004
38	SLV_DX_U	Max	-0.003335	0.	-0.000296	0.	0.000357
38	SLV_DX_U	Min	-0.003335	0.	-0.000296	0.	0.000357
38	SLV_SX_U	Max	0.001762	0.	0.000349	0.	0.00058
38	SLV_SX_U	Min	0.001762	0.	0.000349	0.	0.00058
39	SLE	Max	-8.849E-06	0.	-0.001225	0.	-0.000044
39	SLE	Min	-8.849E-06	0.	-0.001225	0.	-0.000044
39	SLU	Max	-0.000012	0.	-0.001593	0.	-0.000057
39	SLU	Min	-0.000012	0.	-0.001593	0.	-0.000057
39	SLV_DX_D	Max	-0.002556	0.	-0.001099	0.	0.000127
39	SLV_DX_D	Min	-0.002556	0.	-0.001099	0.	0.000127
39	SLV_SX_D	Max	0.001243	0.	-0.000537	0.	0.000419
39	SLV_SX_D	Min	0.001243	0.	-0.000537	0.	0.000419
39	SLV_DX_U	Max	-0.003455	0.	-0.000411	0.	0.000294
39	SLV_DX_U	Min	-0.003455	0.	-0.000411	0.	0.000294
39	SLV_SX_U	Max	0.001549	0.	0.000139	0.	0.000597
39	SLV_SX_U	Min	0.001549	0.	0.000139	0.	0.000597
40	SLE	Max	6.618E-07	0.	-0.001203	0.	-0.000044
40	SLE	Min	6.618E-07	0.	-0.001203	0.	-0.000044
40	SLU	Max	8.603E-07	0.	-0.001564	0.	-0.000057
40	SLU	Min	8.603E-07	0.	-0.001564	0.	-0.000057
40	SLV_DX_D	Max	-0.002599	0.	-0.001125	0.	0.000062
40	SLV_DX_D	Min	-0.002599	0.	-0.001125	0.	0.000062
40	SLV_SX_D	Max	0.001076	0.	-0.000673	0.	0.000424
40	SLV_SX_D	Min	0.001076	0.	-0.000673	0.	0.000424
40	SLV_DX_U	Max	-0.003557	0.	-0.000494	0.	0.000219
40	SLV_DX_U	Min	-0.003557	0.	-0.000494	0.	0.000219
40	SLV_SX_U	Max	0.001319	0.	-0.000058	0.	0.000594
40	SLV_SX_U	Min	0.001319	0.	-0.000058	0.	0.000594
41	SLE	Max	0.000011	0.	-0.001182	0.	-0.000044
41	SLE	Min	0.000011	0.	-0.001182	0.	-0.000044
41	SLU	Max	0.000015	0.	-0.001537	0.	-0.000057
41	SLU	Min	0.000015	0.	-0.001537	0.	-0.000057
41	SLV_DX_D	Max	-0.002617	0.	-0.001126	0.	-8.186E-06

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
41	SLV_DX_D	Min	-0.002617	0.	-0.001126	0.	-8.186E-06
41	SLV_SX_D	Max	0.000901	0.	-0.000796	0.	0.00041
41	SLV_SX_D	Min	0.000901	0.	-0.000796	0.	0.00041
41	SLV_DX_U	Max	-0.003633	0.	-0.000545	0.	0.000134
41	SLV_DX_U	Min	-0.003633	0.	-0.000545	0.	0.000134
41	SLV_SX_U	Max	0.001081	0.	-0.000234	0.	0.000568
41	SLV_SX_U	Min	0.001081	0.	-0.000234	0.	0.000568
42	SLE	Max	0.000023	0.	-0.001161	0.	-0.000043
42	SLE	Min	0.000023	0.	-0.001161	0.	-0.000043
42	SLU	Max	0.00003	0.	-0.00151	0.	-0.000056
42	SLU	Min	0.00003	0.	-0.00151	0.	-0.000056
42	SLV_DX_D	Max	-0.002606	0.	-0.001106	0.	-0.000082
42	SLV_DX_D	Min	-0.002606	0.	-0.001106	0.	-0.000082
42	SLV_SX_D	Max	0.000725	0.	-0.0009	0.	0.000377
42	SLV_SX_D	Min	0.000725	0.	-0.0009	0.	0.000377
42	SLV_DX_U	Max	-0.003676	0.	-0.000564	0.	0.000041
42	SLV_DX_U	Min	-0.003676	0.	-0.000564	0.	0.000041
42	SLV_SX_U	Max	0.000845	0.	-0.000383	0.	0.000516
42	SLV_SX_U	Min	0.000845	0.	-0.000383	0.	0.000516
43	SLE	Max	0.000036	0.	-0.001142	0.	-0.000044
43	SLE	Min	0.000036	0.	-0.001142	0.	-0.000044
43	SLU	Max	0.000046	0.	-0.001484	0.	-0.000057
43	SLU	Min	0.000046	0.	-0.001484	0.	-0.000057
43	SLV_DX_D	Max	-0.00256	0.	-0.001066	0.	-0.000155
43	SLV_DX_D	Min	-0.00256	0.	-0.001066	0.	-0.000155
43	SLV_SX_D	Max	0.000564	0.	-0.00098	0.	0.000324
43	SLV_SX_D	Min	0.000564	0.	-0.00098	0.	0.000324
43	SLV_DX_U	Max	-0.003678	0.	-0.000555	0.	-0.000057
43	SLV_DX_U	Min	-0.003678	0.	-0.000555	0.	-0.000057
43	SLV_SX_U	Max	0.000628	0.	-0.000497	0.	0.000442
43	SLV_SX_U	Min	0.000628	0.	-0.000497	0.	0.000442
44	SLE	Max	0.00005	0.	-0.001122	0.	-0.000045
44	SLE	Min	0.00005	0.	-0.001122	0.	-0.000045
44	SLU	Max	0.000065	0.	-0.001459	0.	-0.000058
44	SLU	Min	0.000065	0.	-0.001459	0.	-0.000058
44	SLV_DX_D	Max	-0.00248	0.	-0.001014	0.	-0.000226
44	SLV_DX_D	Min	-0.00248	0.	-0.001014	0.	-0.000226
44	SLV_SX_D	Max	0.000426	0.	-0.001033	0.	0.000258
44	SLV_SX_D	Min	0.000426	0.	-0.001033	0.	0.000258
44	SLV_DX_U	Max	-0.003635	0.	-0.000524	0.	-0.000156
44	SLV_DX_U	Min	-0.003635	0.	-0.000524	0.	-0.000156
44	SLV_SX_U	Max	0.000445	0.	-0.000577	0.	0.000354
44	SLV_SX_U	Min	0.000445	0.	-0.000577	0.	0.000354
45	SLE	Max	0.000066	0.	-0.001103	0.	-0.000047
45	SLE	Min	0.000066	0.	-0.001103	0.	-0.000047
45	SLU	Max	0.000086	0.	-0.001434	0.	-0.000061
45	SLU	Min	0.000086	0.	-0.001434	0.	-0.000061
45	SLV_DX_D	Max	-0.002363	0.	-0.000954	0.	-0.000292
45	SLV_DX_D	Min	-0.002363	0.	-0.000954	0.	-0.000292
45	SLV_SX_D	Max	0.000319	0.	-0.001063	0.	0.000189
45	SLV_SX_D	Min	0.000319	0.	-0.001063	0.	0.000189
45	SLV_DX_U	Max	-0.003543	0.	-0.000477	0.	-0.000253
45	SLV_DX_U	Min	-0.003543	0.	-0.000477	0.	-0.000253
45	SLV_SX_U	Max	0.0003	0.	-0.000625	0.	0.000263

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
45	SLV_SX_U	Min	0.0003	0.	-0.000625	0.	0.000263
46	SLE	Max	0.000085	0.	-0.001085	0.	-0.000049
46	SLE	Min	0.000085	0.	-0.001085	0.	-0.000049
46	SLU	Max	0.000111	0.	-0.001411	0.	-0.000064
46	SLU	Min	0.000111	0.	-0.001411	0.	-0.000064
46	SLV_DX_D	Max	-0.002213	0.	-0.000892	0.	-0.00035
46	SLV_DX_D	Min	-0.002213	0.	-0.000892	0.	-0.00035
46	SLV_SX_D	Max	0.000244	0.	-0.001074	0.	0.000123
46	SLV_SX_D	Min	0.000244	0.	-0.001074	0.	0.000123
46	SLV_DX_U	Max	-0.003403	0.	-0.000421	0.	-0.000344
46	SLV_DX_U	Min	-0.003403	0.	-0.000421	0.	-0.000344
46	SLV_SX_U	Max	0.000197	0.	-0.000648	0.	0.000174
46	SLV_SX_U	Min	0.000197	0.	-0.000648	0.	0.000174
47	SLE	Max	0.000107	0.	-0.001068	0.	-0.000052
47	SLE	Min	0.000107	0.	-0.001068	0.	-0.000052
47	SLU	Max	0.000139	0.	-0.001388	0.	-0.000067
47	SLU	Min	0.000139	0.	-0.001388	0.	-0.000067
47	SLV_DX_D	Max	-0.002032	0.	-0.000833	0.	-0.000396
47	SLV_DX_D	Min	-0.002032	0.	-0.000833	0.	-0.000396
47	SLV_SX_D	Max	0.0002	0.	-0.001071	0.	0.000062
47	SLV_SX_D	Min	0.0002	0.	-0.001071	0.	0.000062
47	SLV_DX_U	Max	-0.003216	0.	-0.000364	0.	-0.000425
47	SLV_DX_U	Min	-0.003216	0.	-0.000364	0.	-0.000425
47	SLV_SX_U	Max	0.000135	0.	-0.000653	0.	0.000093
47	SLV_SX_U	Min	0.000135	0.	-0.000653	0.	0.000093
48	SLE	Max	0.000131	0.	-0.001051	0.	-0.000053
48	SLE	Min	0.000131	0.	-0.001051	0.	-0.000053
48	SLU	Max	0.00017	0.	-0.001366	0.	-0.000069
48	SLU	Min	0.00017	0.	-0.001366	0.	-0.000069
48	SLV_DX_D	Max	-0.001828	0.	-0.000784	0.	-0.000428
48	SLV_DX_D	Min	-0.001828	0.	-0.000784	0.	-0.000428
48	SLV_SX_D	Max	0.000184	0.	-0.001059	0.	0.000011
48	SLV_SX_D	Min	0.000184	0.	-0.001059	0.	0.000011
48	SLV_DX_U	Max	-0.002989	0.	-0.000314	0.	-0.000491
48	SLV_DX_U	Min	-0.002989	0.	-0.000314	0.	-0.000491
48	SLV_SX_U	Max	0.00011	0.	-0.000646	0.	0.000022
48	SLV_SX_U	Min	0.00011	0.	-0.000646	0.	0.000022
49	SLE	Max	0.000156	0.	-0.001036	0.	-0.000052
49	SLE	Min	0.000156	0.	-0.001036	0.	-0.000052
49	SLU	Max	0.000203	0.	-0.001347	0.	-0.000067
49	SLU	Min	0.000203	0.	-0.001347	0.	-0.000067
49	SLV_DX_D	Max	-0.001608	0.	-0.000748	0.	-0.000443
49	SLV_DX_D	Min	-0.001608	0.	-0.000748	0.	-0.000443
49	SLV_SX_D	Max	0.000192	0.	-0.001044	0.	-0.00003
49	SLV_SX_D	Min	0.000192	0.	-0.001044	0.	-0.00003
49	SLV_DX_U	Max	-0.002729	0.	-0.000276	0.	-0.000538
49	SLV_DX_U	Min	-0.002729	0.	-0.000276	0.	-0.000538
49	SLV_SX_U	Max	0.000118	0.	-0.000633	0.	-0.000038
49	SLV_SX_U	Min	0.000118	0.	-0.000633	0.	-0.000038
50	SLE	Max	0.000183	0.	-0.001023	0.	-0.000046
50	SLE	Min	0.000183	0.	-0.001023	0.	-0.000046
50	SLU	Max	0.000237	0.	-0.00133	0.	-0.00006
50	SLU	Min	0.000237	0.	-0.00133	0.	-0.00006
50	SLV_DX_D	Max	-0.001383	0.	-0.000727	0.	-0.000437

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
50	SLV_DX_D	Min	-0.001383	0.	-0.000727	0.	-0.000437
50	SLV_SX_D	Max	0.00022	0.	-0.001028	0.	-0.000058
50	SLV_SX_D	Min	0.00022	0.	-0.001028	0.	-0.000058
50	SLV_DX_U	Max	-0.002447	0.	-0.000256	0.	-0.000563
50	SLV_DX_U	Min	-0.002447	0.	-0.000256	0.	-0.000563
50	SLV_SX_U	Max	0.000153	0.	-0.00062	0.	-0.000084
50	SLV_SX_U	Min	0.000153	0.	-0.00062	0.	-0.000084
51	SLE	Max	0.000205	0.	-0.001012	0.	-0.000033
51	SLE	Min	0.000205	0.	-0.001012	0.	-0.000033
51	SLU	Max	0.000266	0.	-0.001315	0.	-0.000043
51	SLU	Min	0.000266	0.	-0.001315	0.	-0.000043
51	SLV_DX_D	Max	-0.001181	0.	-0.000718	0.	-0.000412
51	SLV_DX_D	Min	-0.001181	0.	-0.000718	0.	-0.000412
51	SLV_SX_D	Max	0.000256	0.	-0.001015	0.	-0.00007
51	SLV_SX_D	Min	0.000256	0.	-0.001015	0.	-0.00007
51	SLV_DX_U	Max	-0.002182	0.	-0.000251	0.	-0.000561
51	SLV_DX_U	Min	-0.002182	0.	-0.000251	0.	-0.000561
51	SLV_SX_U	Max	0.000205	0.	-0.00061	0.	-0.000112
51	SLV_SX_U	Min	0.000205	0.	-0.00061	0.	-0.000112
52	SLE	Max	0.00022	0.	-0.001001	0.	-0.000012
52	SLE	Min	0.00022	0.	-0.001001	0.	-0.000012
52	SLU	Max	0.000287	0.	-0.001301	0.	-0.000016
52	SLU	Min	0.000287	0.	-0.001301	0.	-0.000016
52	SLV_DX_D	Max	-0.000995	0.	-0.000714	0.	-0.000367
52	SLV_DX_D	Min	-0.000995	0.	-0.000714	0.	-0.000367
52	SLV_SX_D	Max	0.000295	0.	-0.001003	0.	-0.000066
52	SLV_SX_D	Min	0.000295	0.	-0.001003	0.	-0.000066
52	SLV_DX_U	Max	-0.001922	0.	-0.000253	0.	-0.000534
52	SLV_DX_U	Min	-0.001922	0.	-0.000253	0.	-0.000534
52	SLV_SX_U	Max	0.000266	0.	-0.000602	0.	-0.000124
52	SLV_SX_U	Min	0.000266	0.	-0.000602	0.	-0.000124
53	SLE	Max	0.000226	0.	-0.00099	0.	0.000015
53	SLE	Min	0.000226	0.	-0.00099	0.	0.000015
53	SLU	Max	0.000294	0.	-0.001287	0.	0.00002
53	SLU	Min	0.000294	0.	-0.001287	0.	0.00002
53	SLV_DX_D	Max	-0.000832	0.	-0.000714	0.	-0.000308
53	SLV_DX_D	Min	-0.000832	0.	-0.000714	0.	-0.000308
53	SLV_SX_D	Max	0.00033	0.	-0.000992	0.	-0.000048
53	SLV_SX_D	Min	0.00033	0.	-0.000992	0.	-0.000048
53	SLV_DX_U	Max	-0.001679	0.	-0.000261	0.	-0.000488
53	SLV_DX_U	Min	-0.001679	0.	-0.000261	0.	-0.000488
53	SLV_SX_U	Max	0.000329	0.	-0.000595	0.	-0.00012
53	SLV_SX_U	Min	0.000329	0.	-0.000595	0.	-0.00012
54	SLE	Max	0.000219	0.	-0.000978	0.	0.000045
54	SLE	Min	0.000219	0.	-0.000978	0.	0.000045
54	SLU	Max	0.000285	0.	-0.001272	0.	0.000058
54	SLU	Min	0.000285	0.	-0.001272	0.	0.000058
54	SLV_DX_D	Max	-0.000696	0.	-0.000717	0.	-0.000249
54	SLV_DX_D	Min	-0.000696	0.	-0.000717	0.	-0.000249
54	SLV_SX_D	Max	0.000355	0.	-0.000982	0.	-0.000021
54	SLV_SX_D	Min	0.000355	0.	-0.000982	0.	-0.000021
54	SLV_DX_U	Max	-0.00146	0.	-0.000275	0.	-0.000434
54	SLV_DX_U	Min	-0.00146	0.	-0.000275	0.	-0.000434
54	SLV_SX_U	Max	0.000389	0.	-0.000591	0.	-0.000104

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
54	SLV_SX_U	Min	0.000389	0.	-0.000591	0.	-0.000104
55	SLE	Max	0.000199	0.	-0.000966	0.	0.000074
55	SLE	Min	0.000199	0.	-0.000966	0.	0.000074
55	SLU	Max	0.000259	0.	-0.001255	0.	0.000096
55	SLU	Min	0.000259	0.	-0.001255	0.	0.000096
55	SLV_DX_D	Max	-0.000588	0.	-0.00072	0.	-0.000192
55	SLV_DX_D	Min	-0.000588	0.	-0.00072	0.	-0.000192
55	SLV_SX_D	Max	0.000368	0.	-0.000972	0.	0.000011
55	SLV_SX_D	Min	0.000368	0.	-0.000972	0.	0.000011
55	SLV_DX_U	Max	-0.001266	0.	-0.000292	0.	-0.000378
55	SLV_DX_U	Min	-0.001266	0.	-0.000292	0.	-0.000378
55	SLV_SX_U	Max	0.000441	0.	-0.000589	0.	-0.00008
55	SLV_SX_U	Min	0.000441	0.	-0.000589	0.	-0.00008
56	SLE	Max	0.00016	0.	-0.00095	0.	0.000095
56	SLE	Min	0.00016	0.	-0.00095	0.	0.000095
56	SLU	Max	0.000208	0.	-0.001234	0.	0.000123
56	SLU	Min	0.000208	0.	-0.001234	0.	0.000123
56	SLV_DX_D	Max	-0.000485	0.	-0.000727	0.	-0.000153
56	SLV_DX_D	Min	-0.000485	0.	-0.000727	0.	-0.000153
56	SLV_SX_D	Max	0.000366	0.	-0.00096	0.	0.000036
56	SLV_SX_D	Min	0.000366	0.	-0.00096	0.	0.000036
56	SLV_DX_U	Max	-0.001061	0.	-0.000318	0.	-0.000339
56	SLV_DX_U	Min	-0.001061	0.	-0.000318	0.	-0.000339
56	SLV_SX_U	Max	0.00049	0.	-0.000587	0.	-0.000058
56	SLV_SX_U	Min	0.00049	0.	-0.000587	0.	-0.000058
57	SLE	Max	0.000107	0.	-0.00086	0.	0.000118
57	SLE	Min	0.000107	0.	-0.00086	0.	0.000118
57	SLU	Max	0.00014	0.	-0.001118	0.	0.000153
57	SLU	Min	0.00014	0.	-0.001118	0.	0.000153
57	SLV_DX_D	Max	-0.000424	0.	-0.000788	0.	-0.000104
57	SLV_DX_D	Min	-0.000424	0.	-0.000788	0.	-0.000104
57	SLV_SX_D	Max	0.000341	0.	-0.000902	0.	0.000067
57	SLV_SX_D	Min	0.000341	0.	-0.000902	0.	0.000067
57	SLV_DX_U	Max	-0.00091	0.	-0.000502	0.	-0.000284
57	SLV_DX_U	Min	-0.00091	0.	-0.000502	0.	-0.000284
57	SLV_SX_U	Max	0.000513	0.	-0.000596	0.	-0.000028
57	SLV_SX_U	Min	0.000513	0.	-0.000596	0.	-0.000028
58	SLE	Max	0.000058	0.	-0.000767	0.	0.000123
58	SLE	Min	0.000058	0.	-0.000767	0.	0.000123
58	SLU	Max	0.000076	0.	-0.000997	0.	0.000159
58	SLU	Min	0.000076	0.	-0.000997	0.	0.000159
58	SLV_DX_D	Max	-0.000382	0.	-0.000835	0.	-0.000075
58	SLV_DX_D	Min	-0.000382	0.	-0.000835	0.	-0.000075
58	SLV_SX_D	Max	0.000314	0.	-0.000838	0.	0.000079
58	SLV_SX_D	Min	0.000314	0.	-0.000838	0.	0.000079
58	SLV_DX_U	Max	-0.000792	0.	-0.000669	0.	-0.000243
58	SLV_DX_U	Min	-0.000792	0.	-0.000669	0.	-0.000243
58	SLV_SX_U	Max	0.000527	0.	-0.000597	0.	-0.000013
58	SLV_SX_U	Min	0.000527	0.	-0.000597	0.	-0.000013
59	SLE	Max	0.000033	0.	-0.000708	0.	0.000118
59	SLE	Min	0.000033	0.	-0.000708	0.	0.000118
59	SLU	Max	0.000043	0.	-0.000921	0.	0.000154
59	SLU	Min	0.000043	0.	-0.000921	0.	0.000154
59	SLV_DX_D	Max	-0.000364	0.	-0.00085	0.	-0.000033

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
59	SLV_DX_D	Min	-0.000364	0.	-0.00085	0.	-0.000033
59	SLV_SX_D	Max	0.0003	0.	-0.000794	0.	0.000084
59	SLV_SX_D	Min	0.0003	0.	-0.000794	0.	0.000084
59	SLV_DX_U	Max	-0.000736	0.	-0.000753	0.	-0.000172
59	SLV_DX_U	Min	-0.000736	0.	-0.000753	0.	-0.000172
59	SLV_SX_U	Max	0.000534	0.	-0.000591	0.	2.947E-06
59	SLV_SX_U	Min	0.000534	0.	-0.000591	0.	2.947E-06
60	SLE	Max	0.000013	0.	-0.000652	0.	0.00011
60	SLE	Min	0.000013	0.	-0.000652	0.	0.00011
60	SLU	Max	0.000017	0.	-0.000848	0.	0.000143
60	SLU	Min	0.000017	0.	-0.000848	0.	0.000143
60	SLV_DX_D	Max	-0.000355	0.	-0.00085	0.	5.615E-07
60	SLV_DX_D	Min	-0.000355	0.	-0.00085	0.	5.615E-07
60	SLV_SX_D	Max	0.000289	0.	-0.000749	0.	0.000082
60	SLV_SX_D	Min	0.000289	0.	-0.000749	0.	0.000082
60	SLV_DX_U	Max	-0.000699	0.	-0.000808	0.	-0.00011
60	SLV_DX_U	Min	-0.000699	0.	-0.000808	0.	-0.00011
60	SLV_SX_U	Max	0.00054	0.	-0.00058	0.	0.00001
60	SLV_SX_U	Min	0.00054	0.	-0.00058	0.	0.00001
61	SLE	Max	-2.604E-06	0.	-0.0006	0.	0.000099
61	SLE	Min	-2.604E-06	0.	-0.0006	0.	0.000099
61	SLU	Max	-3.385E-06	0.	-0.00078	0.	0.000129
61	SLU	Min	-3.385E-06	0.	-0.00078	0.	0.000129
61	SLV_DX_D	Max	-0.000351	0.	-0.000836	0.	0.000025
61	SLV_DX_D	Min	-0.000351	0.	-0.000836	0.	0.000025
61	SLV_SX_D	Max	0.000281	0.	-0.000707	0.	0.000075
61	SLV_SX_D	Min	0.000281	0.	-0.000707	0.	0.000075
61	SLV_DX_U	Max	-0.000676	0.	-0.000839	0.	-0.000058
61	SLV_DX_U	Min	-0.000676	0.	-0.000839	0.	-0.000058
61	SLV_SX_U	Max	0.000545	0.	-0.000569	0.	0.000012
61	SLV_SX_U	Min	0.000545	0.	-0.000569	0.	0.000012
62	SLE	Max	-0.000013	0.	-0.000553	0.	0.000086
62	SLE	Min	-0.000013	0.	-0.000553	0.	0.000086
62	SLU	Max	-0.000017	0.	-0.000719	0.	0.000112
62	SLU	Min	-0.000017	0.	-0.000719	0.	0.000112
62	SLV_DX_D	Max	-0.00035	0.	-0.000814	0.	0.000043
62	SLV_DX_D	Min	-0.00035	0.	-0.000814	0.	0.000043
62	SLV_SX_D	Max	0.000277	0.	-0.000669	0.	0.000065
62	SLV_SX_D	Min	0.000277	0.	-0.000669	0.	0.000065
62	SLV_DX_U	Max	-0.000663	0.	-0.000848	0.	-0.000015
62	SLV_DX_U	Min	-0.000663	0.	-0.000848	0.	-0.000015
62	SLV_SX_U	Max	0.000552	0.	-0.000559	0.	7.648E-06
62	SLV_SX_U	Min	0.000552	0.	-0.000559	0.	7.648E-06
63	SLE	Max	-0.000019	0.	-0.000513	0.	0.000073
63	SLE	Min	-0.000019	0.	-0.000513	0.	0.000073
63	SLU	Max	-0.000025	0.	-0.000667	0.	0.000095
63	SLU	Min	-0.000025	0.	-0.000667	0.	0.000095
63	SLV_DX_D	Max	-0.00035	0.	-0.000785	0.	0.000054
63	SLV_DX_D	Min	-0.00035	0.	-0.000785	0.	0.000054
63	SLV_SX_D	Max	0.000276	0.	-0.000637	0.	0.000051
63	SLV_SX_D	Min	0.000276	0.	-0.000637	0.	0.000051
63	SLV_DX_U	Max	-0.000656	0.	-0.00084	0.	0.000017
63	SLV_DX_U	Min	-0.000656	0.	-0.00084	0.	0.000017
63	SLV_SX_U	Max	0.00056	0.	-0.000552	0.	8.876E-08

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
63	SLV_SX_U	Min	0.00056	0.	-0.000552	0.	8.876E-08
64	SLE	Max	-0.000022	0.	-0.000479	0.	0.00006
64	SLE	Min	-0.000022	0.	-0.000479	0.	0.00006
64	SLU	Max	-0.000028	0.	-0.000622	0.	0.000078
64	SLU	Min	-0.000028	0.	-0.000622	0.	0.000078
64	SLV_DX_D	Max	-0.000349	0.	-0.000752	0.	0.00006
64	SLV_DX_D	Min	-0.000349	0.	-0.000752	0.	0.00006
64	SLV_SX_D	Max	0.000279	0.	-0.000612	0.	0.000037
64	SLV_SX_D	Min	0.000279	0.	-0.000612	0.	0.000037
64	SLV_DX_U	Max	-0.000651	0.	-0.00082	0.	0.000041
64	SLV_DX_U	Min	-0.000651	0.	-0.00082	0.	0.000041
64	SLV_SX_U	Max	0.000569	0.	-0.000551	0.	-9.927E-06
64	SLV_SX_U	Min	0.000569	0.	-0.000551	0.	-9.927E-06
65	SLE	Max	-0.000021	0.	-0.000451	0.	0.000047
65	SLE	Min	-0.000021	0.	-0.000451	0.	0.000047
65	SLU	Max	-0.000027	0.	-0.000586	0.	0.000061
65	SLU	Min	-0.000027	0.	-0.000586	0.	0.000061
65	SLV_DX_D	Max	-0.000347	0.	-0.000718	0.	0.000061
65	SLV_DX_D	Min	-0.000347	0.	-0.000718	0.	0.000061
65	SLV_SX_D	Max	0.000285	0.	-0.000596	0.	0.000022
65	SLV_SX_D	Min	0.000285	0.	-0.000596	0.	0.000022
65	SLV_DX_U	Max	-0.000648	0.	-0.00079	0.	0.000057
65	SLV_DX_U	Min	-0.000648	0.	-0.00079	0.	0.000057
65	SLV_SX_U	Max	0.00058	0.	-0.000557	0.	-0.000021
65	SLV_SX_U	Min	0.00058	0.	-0.000557	0.	-0.000021
66	SLE	Max	-0.000018	0.	-0.00043	0.	0.000035
66	SLE	Min	-0.000018	0.	-0.00043	0.	0.000035
66	SLU	Max	-0.000023	0.	-0.000559	0.	0.000045
66	SLU	Min	-0.000023	0.	-0.000559	0.	0.000045
66	SLV_DX_D	Max	-0.000344	0.	-0.000685	0.	0.000058
66	SLV_DX_D	Min	-0.000344	0.	-0.000685	0.	0.000058
66	SLV_SX_D	Max	0.000293	0.	-0.000587	0.	6.848E-06
66	SLV_SX_D	Min	0.000293	0.	-0.000587	0.	6.848E-06
66	SLV_DX_U	Max	-0.000645	0.	-0.000754	0.	0.000066
66	SLV_DX_U	Min	-0.000645	0.	-0.000754	0.	0.000066
66	SLV_SX_U	Max	0.000592	0.	-0.000569	0.	-0.000033
66	SLV_SX_U	Min	0.000592	0.	-0.000569	0.	-0.000033
67	SLE	Max	-0.000013	0.	-0.000415	0.	0.000023
67	SLE	Min	-0.000013	0.	-0.000415	0.	0.000023
67	SLU	Max	-0.000017	0.	-0.00054	0.	0.000029
67	SLU	Min	-0.000017	0.	-0.00054	0.	0.000029
67	SLV_DX_D	Max	-0.000338	0.	-0.000655	0.	0.000052
67	SLV_DX_D	Min	-0.000338	0.	-0.000655	0.	0.000052
67	SLV_SX_D	Max	0.000303	0.	-0.000587	0.	-7.608E-06
67	SLV_SX_D	Min	0.000303	0.	-0.000587	0.	-7.608E-06
67	SLV_DX_U	Max	-0.00064	0.	-0.000716	0.	0.000069
67	SLV_DX_U	Min	-0.00064	0.	-0.000716	0.	0.000069
67	SLV_SX_U	Max	0.000603	0.	-0.000588	0.	-0.000045
67	SLV_SX_U	Min	0.000603	0.	-0.000588	0.	-0.000045
68	SLE	Max	-6.643E-06	0.	-0.000406	0.	0.000011
68	SLE	Min	-6.643E-06	0.	-0.000406	0.	0.000011
68	SLU	Max	-8.637E-06	0.	-0.000528	0.	0.000015
68	SLU	Min	-8.637E-06	0.	-0.000528	0.	0.000015
68	SLV_DX_D	Max	-0.000331	0.	-0.000629	0.	0.000044

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
68	SLV_DX_D	Min	-0.000331	0.	-0.000629	0.	0.000044
68	SLV_SX_D	Max	0.000312	0.	-0.000594	0.	-0.000021
68	SLV_SX_D	Min	0.000312	0.	-0.000594	0.	-0.000021
68	SLV_DX_U	Max	-0.000633	0.	-0.000679	0.	0.000068
68	SLV_DX_U	Min	-0.000633	0.	-0.000679	0.	0.000068
68	SLV_SX_U	Max	0.000615	0.	-0.000613	0.	-0.000055
68	SLV_SX_U	Min	0.000615	0.	-0.000613	0.	-0.000055
69	SLE	Max	1.027E-16	0.	-0.000403	0.	-6.467E-18
69	SLE	Min	1.027E-16	0.	-0.000403	0.	-6.467E-18
69	SLU	Max	1.336E-16	0.	-0.000524	0.	-8.449E-18
69	SLU	Min	1.336E-16	0.	-0.000524	0.	-8.449E-18
69	SLV_DX_D	Max	-0.000322	0.	-0.000608	0.	0.000033
69	SLV_DX_D	Min	-0.000322	0.	-0.000608	0.	0.000033
69	SLV_SX_D	Max	0.000322	0.	-0.000608	0.	-0.000033
69	SLV_SX_D	Min	0.000322	0.	-0.000608	0.	-0.000033
69	SLV_DX_U	Max	-0.000625	0.	-0.000644	0.	0.000063
69	SLV_DX_U	Min	-0.000625	0.	-0.000644	0.	0.000063
69	SLV_SX_U	Max	0.000625	0.	-0.000644	0.	-0.000063
69	SLV_SX_U	Min	0.000625	0.	-0.000644	0.	-0.000063
70	SLE	Max	6.643E-06	0.	-0.000406	0.	-0.000011
70	SLE	Min	6.643E-06	0.	-0.000406	0.	-0.000011
70	SLU	Max	8.637E-06	0.	-0.000528	0.	-0.000015
70	SLU	Min	8.637E-06	0.	-0.000528	0.	-0.000015
70	SLV_DX_D	Max	-0.000312	0.	-0.000594	0.	0.000021
70	SLV_DX_D	Min	-0.000312	0.	-0.000594	0.	0.000021
70	SLV_SX_D	Max	0.000331	0.	-0.000629	0.	-0.000044
70	SLV_SX_D	Min	0.000331	0.	-0.000629	0.	-0.000044
70	SLV_DX_U	Max	-0.000615	0.	-0.000613	0.	0.000055
70	SLV_DX_U	Min	-0.000615	0.	-0.000613	0.	0.000055
70	SLV_SX_U	Max	0.000633	0.	-0.000679	0.	-0.000068
70	SLV_SX_U	Min	0.000633	0.	-0.000679	0.	-0.000068
71	SLE	Max	0.000013	0.	-0.000415	0.	-0.000023
71	SLE	Min	0.000013	0.	-0.000415	0.	-0.000023
71	SLU	Max	0.000017	0.	-0.00054	0.	-0.000029
71	SLU	Min	0.000017	0.	-0.00054	0.	-0.000029
71	SLV_DX_D	Max	-0.000303	0.	-0.000587	0.	7.608E-06
71	SLV_DX_D	Min	-0.000303	0.	-0.000587	0.	7.608E-06
71	SLV_SX_D	Max	0.000338	0.	-0.000655	0.	-0.000052
71	SLV_SX_D	Min	0.000338	0.	-0.000655	0.	-0.000052
71	SLV_DX_U	Max	-0.000603	0.	-0.000588	0.	0.000045
71	SLV_DX_U	Min	-0.000603	0.	-0.000588	0.	0.000045
71	SLV_SX_U	Max	0.00064	0.	-0.000716	0.	-0.000069
71	SLV_SX_U	Min	0.00064	0.	-0.000716	0.	-0.000069
72	SLE	Max	0.000018	0.	-0.00043	0.	-0.000035
72	SLE	Min	0.000018	0.	-0.00043	0.	-0.000035
72	SLU	Max	0.000023	0.	-0.000559	0.	-0.000045
72	SLU	Min	0.000023	0.	-0.000559	0.	-0.000045
72	SLV_DX_D	Max	-0.000293	0.	-0.000587	0.	-6.848E-06
72	SLV_DX_D	Min	-0.000293	0.	-0.000587	0.	-6.848E-06
72	SLV_SX_D	Max	0.000344	0.	-0.000685	0.	-0.000058
72	SLV_SX_D	Min	0.000344	0.	-0.000685	0.	-0.000058
72	SLV_DX_U	Max	-0.000592	0.	-0.000569	0.	0.000033
72	SLV_DX_U	Min	-0.000592	0.	-0.000569	0.	0.000033
72	SLV_SX_U	Max	0.000645	0.	-0.000754	0.	-0.000066

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
72	SLV_SX_U	Min	0.000645	0.	-0.000754	0.	-0.000066
73	SLE	Max	0.000021	0.	-0.000451	0.	-0.000047
73	SLE	Min	0.000021	0.	-0.000451	0.	-0.000047
73	SLU	Max	0.000027	0.	-0.000586	0.	-0.000061
73	SLU	Min	0.000027	0.	-0.000586	0.	-0.000061
73	SLV_DX_D	Max	-0.000285	0.	-0.000596	0.	-0.000022
73	SLV_DX_D	Min	-0.000285	0.	-0.000596	0.	-0.000022
73	SLV_SX_D	Max	0.000347	0.	-0.000718	0.	-0.000061
73	SLV_SX_D	Min	0.000347	0.	-0.000718	0.	-0.000061
73	SLV_DX_U	Max	-0.00058	0.	-0.000557	0.	0.000021
73	SLV_DX_U	Min	-0.00058	0.	-0.000557	0.	0.000021
73	SLV_SX_U	Max	0.000648	0.	-0.00079	0.	-0.000057
73	SLV_SX_U	Min	0.000648	0.	-0.00079	0.	-0.000057
74	SLE	Max	0.000022	0.	-0.000479	0.	-0.00006
74	SLE	Min	0.000022	0.	-0.000479	0.	-0.00006
74	SLU	Max	0.000028	0.	-0.000622	0.	-0.000078
74	SLU	Min	0.000028	0.	-0.000622	0.	-0.000078
74	SLV_DX_D	Max	-0.000279	0.	-0.000612	0.	-0.000037
74	SLV_DX_D	Min	-0.000279	0.	-0.000612	0.	-0.000037
74	SLV_SX_D	Max	0.000349	0.	-0.000752	0.	-0.00006
74	SLV_SX_D	Min	0.000349	0.	-0.000752	0.	-0.00006
74	SLV_DX_U	Max	-0.000569	0.	-0.000551	0.	9.927E-06
74	SLV_DX_U	Min	-0.000569	0.	-0.000551	0.	9.927E-06
74	SLV_SX_U	Max	0.000651	0.	-0.00082	0.	-0.000041
74	SLV_SX_U	Min	0.000651	0.	-0.00082	0.	-0.000041
75	SLE	Max	0.000019	0.	-0.000513	0.	-0.000073
75	SLE	Min	0.000019	0.	-0.000513	0.	-0.000073
75	SLU	Max	0.000025	0.	-0.000667	0.	-0.000095
75	SLU	Min	0.000025	0.	-0.000667	0.	-0.000095
75	SLV_DX_D	Max	-0.000276	0.	-0.000637	0.	-0.000051
75	SLV_DX_D	Min	-0.000276	0.	-0.000637	0.	-0.000051
75	SLV_SX_D	Max	0.00035	0.	-0.000785	0.	-0.000054
75	SLV_SX_D	Min	0.00035	0.	-0.000785	0.	-0.000054
75	SLV_DX_U	Max	-0.00056	0.	-0.000552	0.	-8.876E-08
75	SLV_DX_U	Min	-0.00056	0.	-0.000552	0.	-8.876E-08
75	SLV_SX_U	Max	0.000656	0.	-0.00084	0.	-0.000017
75	SLV_SX_U	Min	0.000656	0.	-0.00084	0.	-0.000017
76	SLE	Max	0.000013	0.	-0.000553	0.	-0.000086
76	SLE	Min	0.000013	0.	-0.000553	0.	-0.000086
76	SLU	Max	0.000017	0.	-0.000719	0.	-0.000112
76	SLU	Min	0.000017	0.	-0.000719	0.	-0.000112
76	SLV_DX_D	Max	-0.000277	0.	-0.000669	0.	-0.000065
76	SLV_DX_D	Min	-0.000277	0.	-0.000669	0.	-0.000065
76	SLV_SX_D	Max	0.00035	0.	-0.000814	0.	-0.000043
76	SLV_SX_D	Min	0.00035	0.	-0.000814	0.	-0.000043
76	SLV_DX_U	Max	-0.000552	0.	-0.000559	0.	-7.648E-06
76	SLV_DX_U	Min	-0.000552	0.	-0.000559	0.	-7.648E-06
76	SLV_SX_U	Max	0.000663	0.	-0.000848	0.	0.000015
76	SLV_SX_U	Min	0.000663	0.	-0.000848	0.	0.000015
77	SLE	Max	2.604E-06	0.	-0.0006	0.	-0.000099
77	SLE	Min	2.604E-06	0.	-0.0006	0.	-0.000099
77	SLU	Max	3.385E-06	0.	-0.00078	0.	-0.000129
77	SLU	Min	3.385E-06	0.	-0.00078	0.	-0.000129
77	SLV_DX_D	Max	-0.000281	0.	-0.000707	0.	-0.000075

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
77	SLV_DX_D	Min	-0.000281	0.	-0.000707	0.	-0.000075
77	SLV_SX_D	Max	0.000351	0.	-0.000836	0.	-0.000025
77	SLV_SX_D	Min	0.000351	0.	-0.000836	0.	-0.000025
77	SLV_DX_U	Max	-0.000545	0.	-0.000569	0.	-0.000012
77	SLV_DX_U	Min	-0.000545	0.	-0.000569	0.	-0.000012
77	SLV_SX_U	Max	0.000676	0.	-0.000839	0.	0.000058
77	SLV_SX_U	Min	0.000676	0.	-0.000839	0.	0.000058
78	SLE	Max	-0.000013	0.	-0.000652	0.	-0.00011
78	SLE	Min	-0.000013	0.	-0.000652	0.	-0.00011
78	SLU	Max	-0.000017	0.	-0.000848	0.	-0.000143
78	SLU	Min	-0.000017	0.	-0.000848	0.	-0.000143
78	SLV_DX_D	Max	-0.000289	0.	-0.000749	0.	-0.000082
78	SLV_DX_D	Min	-0.000289	0.	-0.000749	0.	-0.000082
78	SLV_SX_D	Max	0.000355	0.	-0.00085	0.	-5.615E-07
78	SLV_SX_D	Min	0.000355	0.	-0.00085	0.	-5.615E-07
78	SLV_DX_U	Max	-0.00054	0.	-0.00058	0.	-0.00001
78	SLV_DX_U	Min	-0.00054	0.	-0.00058	0.	-0.00001
78	SLV_SX_U	Max	0.000699	0.	-0.000808	0.	0.00011
78	SLV_SX_U	Min	0.000699	0.	-0.000808	0.	0.00011
79	SLE	Max	-0.000033	0.	-0.000708	0.	-0.000118
79	SLE	Min	-0.000033	0.	-0.000708	0.	-0.000118
79	SLU	Max	-0.000043	0.	-0.000921	0.	-0.000154
79	SLU	Min	-0.000043	0.	-0.000921	0.	-0.000154
79	SLV_DX_D	Max	-0.0003	0.	-0.000794	0.	-0.000084
79	SLV_DX_D	Min	-0.0003	0.	-0.000794	0.	-0.000084
79	SLV_SX_D	Max	0.000364	0.	-0.00085	0.	0.000033
79	SLV_SX_D	Min	0.000364	0.	-0.00085	0.	0.000033
79	SLV_DX_U	Max	-0.000534	0.	-0.000591	0.	-2.947E-06
79	SLV_DX_U	Min	-0.000534	0.	-0.000591	0.	-2.947E-06
79	SLV_SX_U	Max	0.000736	0.	-0.000753	0.	0.000172
79	SLV_SX_U	Min	0.000736	0.	-0.000753	0.	0.000172
80	SLE	Max	-0.000058	0.	-0.000767	0.	-0.000123
80	SLE	Min	-0.000058	0.	-0.000767	0.	-0.000123
80	SLU	Max	-0.000076	0.	-0.000997	0.	-0.000159
80	SLU	Min	-0.000076	0.	-0.000997	0.	-0.000159
80	SLV_DX_D	Max	-0.000314	0.	-0.000838	0.	-0.000079
80	SLV_DX_D	Min	-0.000314	0.	-0.000838	0.	-0.000079
80	SLV_SX_D	Max	0.000382	0.	-0.000835	0.	0.000075
80	SLV_SX_D	Min	0.000382	0.	-0.000835	0.	0.000075
80	SLV_DX_U	Max	-0.000527	0.	-0.000597	0.	0.000013
80	SLV_DX_U	Min	-0.000527	0.	-0.000597	0.	0.000013
80	SLV_SX_U	Max	0.000792	0.	-0.000669	0.	0.000243
80	SLV_SX_U	Min	0.000792	0.	-0.000669	0.	0.000243
81	SLE	Max	-0.000107	0.	-0.00086	0.	-0.000118
81	SLE	Min	-0.000107	0.	-0.00086	0.	-0.000118
81	SLU	Max	-0.00014	0.	-0.001118	0.	-0.000153
81	SLU	Min	-0.00014	0.	-0.001118	0.	-0.000153
81	SLV_DX_D	Max	-0.000341	0.	-0.000902	0.	-0.000067
81	SLV_DX_D	Min	-0.000341	0.	-0.000902	0.	-0.000067
81	SLV_SX_D	Max	0.000424	0.	-0.000788	0.	0.000104
81	SLV_SX_D	Min	0.000424	0.	-0.000788	0.	0.000104
81	SLV_DX_U	Max	-0.000513	0.	-0.000596	0.	0.000028
81	SLV_DX_U	Min	-0.000513	0.	-0.000596	0.	0.000028
81	SLV_SX_U	Max	0.00091	0.	-0.000502	0.	0.000284

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
81	SLV_SX_U	Min	0.00091	0.	-0.000502	0.	0.000284
82	SLE	Max	-0.00016	0.	-0.00095	0.	-0.000095
82	SLE	Min	-0.00016	0.	-0.00095	0.	-0.000095
82	SLU	Max	-0.000208	0.	-0.001234	0.	-0.000123
82	SLU	Min	-0.000208	0.	-0.001234	0.	-0.000123
82	SLV_DX_D	Max	-0.000366	0.	-0.00096	0.	-0.000036
82	SLV_DX_D	Min	-0.000366	0.	-0.00096	0.	-0.000036
82	SLV_SX_D	Max	0.000485	0.	-0.000727	0.	0.000153
82	SLV_SX_D	Min	0.000485	0.	-0.000727	0.	0.000153
82	SLV_DX_U	Max	-0.00049	0.	-0.000587	0.	0.000058
82	SLV_DX_U	Min	-0.00049	0.	-0.000587	0.	0.000058
82	SLV_SX_U	Max	0.001061	0.	-0.000318	0.	0.000339
82	SLV_SX_U	Min	0.001061	0.	-0.000318	0.	0.000339
82~Link	SLE	Max	0.	0.	0.	0.	0.
82~Link	SLE	Min	0.	0.	0.	0.	0.
82~Link	SLU	Max	0.	0.	0.	0.	0.
82~Link	SLU	Min	0.	0.	0.	0.	0.
82~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
82~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
82~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
82~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
82~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
82~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
82~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
82~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
1~Link	SLE	Max	0.	0.	0.	0.	0.
1~Link	SLE	Min	0.	0.	0.	0.	0.
1~Link	SLU	Max	0.	0.	0.	0.	0.
1~Link	SLU	Min	0.	0.	0.	0.	0.
1~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
1~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
1~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
1~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
1~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
1~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
1~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
1~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
2~Link	SLE	Max	0.	0.	0.	0.	0.
2~Link	SLE	Min	0.	0.	0.	0.	0.
2~Link	SLU	Max	0.	0.	0.	0.	0.
2~Link	SLU	Min	0.	0.	0.	0.	0.
2~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
2~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
2~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
2~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
2~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
2~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
2~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
2~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
3~Link	SLE	Max	0.	0.	0.	0.	0.
3~Link	SLE	Min	0.	0.	0.	0.	0.
3~Link	SLU	Max	0.	0.	0.	0.	0.
3~Link	SLU	Min	0.	0.	0.	0.	0.
3~Link	SLV_DX_D	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
3~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
3~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
3~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
3~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
3~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
3~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
3~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
4~Link	SLE	Max	0.	0.	0.	0.	0.
4~Link	SLE	Min	0.	0.	0.	0.	0.
4~Link	SLU	Max	0.	0.	0.	0.	0.
4~Link	SLU	Min	0.	0.	0.	0.	0.
4~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
4~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
4~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
4~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
4~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
4~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
4~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
4~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
5~Link	SLE	Max	0.	0.	0.	0.	0.
5~Link	SLE	Min	0.	0.	0.	0.	0.
5~Link	SLU	Max	0.	0.	0.	0.	0.
5~Link	SLU	Min	0.	0.	0.	0.	0.
5~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
5~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
5~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
5~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
5~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
5~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
5~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
5~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
6~Link	SLE	Max	0.	0.	0.	0.	0.
6~Link	SLE	Min	0.	0.	0.	0.	0.
6~Link	SLU	Max	0.	0.	0.	0.	0.
6~Link	SLU	Min	0.	0.	0.	0.	0.
6~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
6~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
6~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
6~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
6~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
6~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
6~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
6~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
7~Link	SLE	Max	0.	0.	0.	0.	0.
7~Link	SLE	Min	0.	0.	0.	0.	0.
7~Link	SLU	Max	0.	0.	0.	0.	0.
7~Link	SLU	Min	0.	0.	0.	0.	0.
7~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
7~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
7~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
7~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
7~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
7~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
7~Link	SLV_SX_U	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
7~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
8~Link	SLE	Max	0.	0.	0.	0.	0.
8~Link	SLE	Min	0.	0.	0.	0.	0.
8~Link	SLU	Max	0.	0.	0.	0.	0.
8~Link	SLU	Min	0.	0.	0.	0.	0.
8~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
8~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
8~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
8~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
8~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
8~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
8~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
8~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
9~Link	SLE	Max	0.	0.	0.	0.	0.
9~Link	SLE	Min	0.	0.	0.	0.	0.
9~Link	SLU	Max	0.	0.	0.	0.	0.
9~Link	SLU	Min	0.	0.	0.	0.	0.
9~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
9~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
9~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
9~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
9~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
9~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
9~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
9~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
10~Link	SLE	Max	0.	0.	0.	0.	0.
10~Link	SLE	Min	0.	0.	0.	0.	0.
10~Link	SLU	Max	0.	0.	0.	0.	0.
10~Link	SLU	Min	0.	0.	0.	0.	0.
10~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
10~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
10~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
10~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
10~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
10~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
10~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
10~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
11~Link	SLE	Max	0.	0.	0.	0.	0.
11~Link	SLE	Min	0.	0.	0.	0.	0.
11~Link	SLU	Max	0.	0.	0.	0.	0.
11~Link	SLU	Min	0.	0.	0.	0.	0.
11~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
11~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
11~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
11~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
11~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
11~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
11~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
11~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
12~Link	SLE	Max	0.	0.	0.	0.	0.
12~Link	SLE	Min	0.	0.	0.	0.	0.
12~Link	SLU	Max	0.	0.	0.	0.	0.
12~Link	SLU	Min	0.	0.	0.	0.	0.
12~Link	SLV_DX_D	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
12~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
12~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
12~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
12~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
12~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
12~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
12~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
13~Link	SLE	Max	0.	0.	0.	0.	0.
13~Link	SLE	Min	0.	0.	0.	0.	0.
13~Link	SLU	Max	0.	0.	0.	0.	0.
13~Link	SLU	Min	0.	0.	0.	0.	0.
13~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
13~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
13~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
13~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
13~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
13~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
13~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
13~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
14~Link	SLE	Max	0.	0.	0.	0.	0.
14~Link	SLE	Min	0.	0.	0.	0.	0.
14~Link	SLU	Max	0.	0.	0.	0.	0.
14~Link	SLU	Min	0.	0.	0.	0.	0.
14~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
14~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
14~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
14~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
14~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
14~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
14~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
14~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
42~Link	SLE	Max	0.	0.	0.	0.	0.
42~Link	SLE	Min	0.	0.	0.	0.	0.
42~Link	SLU	Max	0.	0.	0.	0.	0.
42~Link	SLU	Min	0.	0.	0.	0.	0.
42~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
42~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
42~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
42~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
42~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
42~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
42~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
42~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
43~Link	SLE	Max	0.	0.	0.	0.	0.
43~Link	SLE	Min	0.	0.	0.	0.	0.
43~Link	SLU	Max	0.	0.	0.	0.	0.
43~Link	SLU	Min	0.	0.	0.	0.	0.
43~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
43~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
43~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
43~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
43~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
43~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
43~Link	SLV_SX_U	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_SX_U	Min	0.	0.	0.	0.	0.
44~Link	SLE	Max	0.	0.	0.	0.	0.
44~Link	SLE	Min	0.	0.	0.	0.	0.
44~Link	SLU	Max	0.	0.	0.	0.	0.
44~Link	SLU	Min	0.	0.	0.	0.	0.
44~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
44~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
44~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
44~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
44~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
44~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
44~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
44~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
45~Link	SLE	Max	0.	0.	0.	0.	0.
45~Link	SLE	Min	0.	0.	0.	0.	0.
45~Link	SLU	Max	0.	0.	0.	0.	0.
45~Link	SLU	Min	0.	0.	0.	0.	0.
45~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
45~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
45~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
45~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
45~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
45~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
45~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
45~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
46~Link	SLE	Max	0.	0.	0.	0.	0.
46~Link	SLE	Min	0.	0.	0.	0.	0.
46~Link	SLU	Max	0.	0.	0.	0.	0.
46~Link	SLU	Min	0.	0.	0.	0.	0.
46~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
46~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
46~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
46~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
46~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
46~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
46~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
46~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
47~Link	SLE	Max	0.	0.	0.	0.	0.
47~Link	SLE	Min	0.	0.	0.	0.	0.
47~Link	SLU	Max	0.	0.	0.	0.	0.
47~Link	SLU	Min	0.	0.	0.	0.	0.
47~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
47~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
47~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
47~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
47~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
47~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
47~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
47~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
48~Link	SLE	Max	0.	0.	0.	0.	0.
48~Link	SLE	Min	0.	0.	0.	0.	0.
48~Link	SLU	Max	0.	0.	0.	0.	0.
48~Link	SLU	Min	0.	0.	0.	0.	0.
48~Link	SLV_DX_D	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	SLV_DX_D	Min	0.	0.	0.	0.	0.
48~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
48~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
48~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
48~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
48~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
48~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
49~Link	SLE	Max	0.	0.	0.	0.	0.
49~Link	SLE	Min	0.	0.	0.	0.	0.
49~Link	SLU	Max	0.	0.	0.	0.	0.
49~Link	SLU	Min	0.	0.	0.	0.	0.
49~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
49~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
49~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
49~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
49~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
49~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
49~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
49~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
50~Link	SLE	Max	0.	0.	0.	0.	0.
50~Link	SLE	Min	0.	0.	0.	0.	0.
50~Link	SLU	Max	0.	0.	0.	0.	0.
50~Link	SLU	Min	0.	0.	0.	0.	0.
50~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
50~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
50~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
50~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
50~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
50~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
50~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
50~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
51~Link	SLE	Max	0.	0.	0.	0.	0.
51~Link	SLE	Min	0.	0.	0.	0.	0.
51~Link	SLU	Max	0.	0.	0.	0.	0.
51~Link	SLU	Min	0.	0.	0.	0.	0.
51~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
51~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
51~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
51~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
51~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
51~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
51~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
51~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
52~Link	SLE	Max	0.	0.	0.	0.	0.
52~Link	SLE	Min	0.	0.	0.	0.	0.
52~Link	SLU	Max	0.	0.	0.	0.	0.
52~Link	SLU	Min	0.	0.	0.	0.	0.
52~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
52~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
52~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
52~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
52~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
52~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
52~Link	SLV_SX_U	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
52~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
53~Link	SLE	Max	0.	0.	0.	0.	0.
53~Link	SLE	Min	0.	0.	0.	0.	0.
53~Link	SLU	Max	0.	0.	0.	0.	0.
53~Link	SLU	Min	0.	0.	0.	0.	0.
53~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
53~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
53~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
53~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
53~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
53~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
53~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
53~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
54~Link	SLE	Max	0.	0.	0.	0.	0.
54~Link	SLE	Min	0.	0.	0.	0.	0.
54~Link	SLU	Max	0.	0.	0.	0.	0.
54~Link	SLU	Min	0.	0.	0.	0.	0.
54~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
54~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
54~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
54~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
54~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
54~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
54~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
54~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
55~Link	SLE	Max	0.	0.	0.	0.	0.
55~Link	SLE	Min	0.	0.	0.	0.	0.
55~Link	SLU	Max	0.	0.	0.	0.	0.
55~Link	SLU	Min	0.	0.	0.	0.	0.
55~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
55~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
55~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
55~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
55~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
55~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
55~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
55~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
56~Link	SLE	Max	0.	0.	0.	0.	0.
56~Link	SLE	Min	0.	0.	0.	0.	0.
56~Link	SLU	Max	0.	0.	0.	0.	0.
56~Link	SLU	Min	0.	0.	0.	0.	0.
56~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
56~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
56~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
56~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
56~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
56~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
56~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
56~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
57~Link	SLE	Max	0.	0.	0.	0.	0.
57~Link	SLE	Min	0.	0.	0.	0.	0.
57~Link	SLU	Max	0.	0.	0.	0.	0.
57~Link	SLU	Min	0.	0.	0.	0.	0.
57~Link	SLV_DX_D	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
57~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
57~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
57~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
57~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
57~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
57~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
57~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
58~Link	SLE	Max	0.	0.	0.	0.	0.
58~Link	SLE	Min	0.	0.	0.	0.	0.
58~Link	SLU	Max	0.	0.	0.	0.	0.
58~Link	SLU	Min	0.	0.	0.	0.	0.
58~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
58~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
58~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
58~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
58~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
58~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
58~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
58~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
59~Link	SLE	Max	0.	0.	0.	0.	0.
59~Link	SLE	Min	0.	0.	0.	0.	0.
59~Link	SLU	Max	0.	0.	0.	0.	0.
59~Link	SLU	Min	0.	0.	0.	0.	0.
59~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
59~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
59~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
59~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
59~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
59~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
59~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
59~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
60~Link	SLE	Max	0.	0.	0.	0.	0.
60~Link	SLE	Min	0.	0.	0.	0.	0.
60~Link	SLU	Max	0.	0.	0.	0.	0.
60~Link	SLU	Min	0.	0.	0.	0.	0.
60~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
60~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
60~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
60~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
60~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
60~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
60~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
60~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
61~Link	SLE	Max	0.	0.	0.	0.	0.
61~Link	SLE	Min	0.	0.	0.	0.	0.
61~Link	SLU	Max	0.	0.	0.	0.	0.
61~Link	SLU	Min	0.	0.	0.	0.	0.
61~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
61~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
61~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
61~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
61~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
61~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
61~Link	SLV_SX_U	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
61~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
62~Link	SLE	Max	0.	0.	0.	0.	0.
62~Link	SLE	Min	0.	0.	0.	0.	0.
62~Link	SLU	Max	0.	0.	0.	0.	0.
62~Link	SLU	Min	0.	0.	0.	0.	0.
62~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
62~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
62~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
62~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
62~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
62~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
62~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
62~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
63~Link	SLE	Max	0.	0.	0.	0.	0.
63~Link	SLE	Min	0.	0.	0.	0.	0.
63~Link	SLU	Max	0.	0.	0.	0.	0.
63~Link	SLU	Min	0.	0.	0.	0.	0.
63~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
63~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
63~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
63~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
63~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
63~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
63~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
63~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
64~Link	SLE	Max	0.	0.	0.	0.	0.
64~Link	SLE	Min	0.	0.	0.	0.	0.
64~Link	SLU	Max	0.	0.	0.	0.	0.
64~Link	SLU	Min	0.	0.	0.	0.	0.
64~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
64~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
64~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
64~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
64~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
64~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
64~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
64~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
65~Link	SLE	Max	0.	0.	0.	0.	0.
65~Link	SLE	Min	0.	0.	0.	0.	0.
65~Link	SLU	Max	0.	0.	0.	0.	0.
65~Link	SLU	Min	0.	0.	0.	0.	0.
65~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
65~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
65~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
65~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
65~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
65~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
65~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
65~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
66~Link	SLE	Max	0.	0.	0.	0.	0.
66~Link	SLE	Min	0.	0.	0.	0.	0.
66~Link	SLU	Max	0.	0.	0.	0.	0.
66~Link	SLU	Min	0.	0.	0.	0.	0.
66~Link	SLV_DX_D	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
66~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
66~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
66~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
66~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
66~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
66~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
66~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
67~Link	SLE	Max	0.	0.	0.	0.	0.
67~Link	SLE	Min	0.	0.	0.	0.	0.
67~Link	SLU	Max	0.	0.	0.	0.	0.
67~Link	SLU	Min	0.	0.	0.	0.	0.
67~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
67~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
67~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
67~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
67~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
67~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
67~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
67~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
68~Link	SLE	Max	0.	0.	0.	0.	0.
68~Link	SLE	Min	0.	0.	0.	0.	0.
68~Link	SLU	Max	0.	0.	0.	0.	0.
68~Link	SLU	Min	0.	0.	0.	0.	0.
68~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
68~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
68~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
68~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
68~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
68~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
68~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
68~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
69~Link	SLE	Max	0.	0.	0.	0.	0.
69~Link	SLE	Min	0.	0.	0.	0.	0.
69~Link	SLU	Max	0.	0.	0.	0.	0.
69~Link	SLU	Min	0.	0.	0.	0.	0.
69~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
69~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
69~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
69~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
69~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
69~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
69~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
69~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
70~Link	SLE	Max	0.	0.	0.	0.	0.
70~Link	SLE	Min	0.	0.	0.	0.	0.
70~Link	SLU	Max	0.	0.	0.	0.	0.
70~Link	SLU	Min	0.	0.	0.	0.	0.
70~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
70~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
70~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
70~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
70~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
70~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
70~Link	SLV_SX_U	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
70~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
71~Link	SLE	Max	0.	0.	0.	0.	0.
71~Link	SLE	Min	0.	0.	0.	0.	0.
71~Link	SLU	Max	0.	0.	0.	0.	0.
71~Link	SLU	Min	0.	0.	0.	0.	0.
71~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
71~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
71~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
71~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
71~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
71~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
71~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
71~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
72~Link	SLE	Max	0.	0.	0.	0.	0.
72~Link	SLE	Min	0.	0.	0.	0.	0.
72~Link	SLU	Max	0.	0.	0.	0.	0.
72~Link	SLU	Min	0.	0.	0.	0.	0.
72~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
72~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
72~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
72~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
72~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
72~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
72~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
72~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
73~Link	SLE	Max	0.	0.	0.	0.	0.
73~Link	SLE	Min	0.	0.	0.	0.	0.
73~Link	SLU	Max	0.	0.	0.	0.	0.
73~Link	SLU	Min	0.	0.	0.	0.	0.
73~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
73~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
73~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
73~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
73~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
73~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
73~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
73~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
74~Link	SLE	Max	0.	0.	0.	0.	0.
74~Link	SLE	Min	0.	0.	0.	0.	0.
74~Link	SLU	Max	0.	0.	0.	0.	0.
74~Link	SLU	Min	0.	0.	0.	0.	0.
74~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
74~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
74~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
74~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
74~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
74~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
74~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
74~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
75~Link	SLE	Max	0.	0.	0.	0.	0.
75~Link	SLE	Min	0.	0.	0.	0.	0.
75~Link	SLU	Max	0.	0.	0.	0.	0.
75~Link	SLU	Min	0.	0.	0.	0.	0.
75~Link	SLV_DX_D	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
75~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
75~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
75~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
75~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
75~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
75~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
75~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
76~Link	SLE	Max	0.	0.	0.	0.	0.
76~Link	SLE	Min	0.	0.	0.	0.	0.
76~Link	SLU	Max	0.	0.	0.	0.	0.
76~Link	SLU	Min	0.	0.	0.	0.	0.
76~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
76~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
76~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
76~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
76~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
76~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
76~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
76~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
77~Link	SLE	Max	0.	0.	0.	0.	0.
77~Link	SLE	Min	0.	0.	0.	0.	0.
77~Link	SLU	Max	0.	0.	0.	0.	0.
77~Link	SLU	Min	0.	0.	0.	0.	0.
77~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
77~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
77~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
77~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
77~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
77~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
77~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
77~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
78~Link	SLE	Max	0.	0.	0.	0.	0.
78~Link	SLE	Min	0.	0.	0.	0.	0.
78~Link	SLU	Max	0.	0.	0.	0.	0.
78~Link	SLU	Min	0.	0.	0.	0.	0.
78~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
78~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
78~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
78~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
78~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
78~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
78~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
78~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
79~Link	SLE	Max	0.	0.	0.	0.	0.
79~Link	SLE	Min	0.	0.	0.	0.	0.
79~Link	SLU	Max	0.	0.	0.	0.	0.
79~Link	SLU	Min	0.	0.	0.	0.	0.
79~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
79~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
79~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
79~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
79~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
79~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
79~Link	SLV_SX_U	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_SX_U	Min	0.	0.	0.	0.	0.
80~Link	SLE	Max	0.	0.	0.	0.	0.
80~Link	SLE	Min	0.	0.	0.	0.	0.
80~Link	SLU	Max	0.	0.	0.	0.	0.
80~Link	SLU	Min	0.	0.	0.	0.	0.
80~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
80~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
80~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
80~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
80~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
80~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
80~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
80~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
81~Link	SLE	Max	0.	0.	0.	0.	0.
81~Link	SLE	Min	0.	0.	0.	0.	0.
81~Link	SLU	Max	0.	0.	0.	0.	0.
81~Link	SLU	Min	0.	0.	0.	0.	0.
81~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
81~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
81~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
81~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
81~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
81~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
81~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
81~Link	SLV_SX_U	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	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.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
2	0.
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.
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.
5	0.
6	0.
6	0.
6	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.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
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.
16	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
17	0.
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.
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.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
24	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.
26	0.
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.
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.
29	0.
29	0.
29	0.
29	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
32	0.
32	0.
32	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
36	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
38	0.
38	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
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.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
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.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
51	0.
51	0.
51	0.
51	0.
51	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
55	0.
55	0.
56	0.
56	0.
56	0.
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.
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.
60	0.
60	0.
60	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
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.
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.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
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.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
70	0.
70	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
74	0.
74	0.
74	0.
74	0.
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.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
77	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.
78	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
80	0.
80	0.
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.
82	0.
82	0.
82	0.
82	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	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.
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.
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.
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.
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.
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.
8~Link	0.
8~Link	0.
8~Link	0.
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.
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.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
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.
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.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
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.
47~Link	0.
47~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
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.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
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.
57~Link	0.
57~Link	0.
57~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.
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.
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.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
61~Link	0.
61~Link	0.
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.
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.
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.
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.
66~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
66~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.
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.
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.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
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 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
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.
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.
76~Link	0.
76~Link	0.
76~Link	0.
76~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.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~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.
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.

Table 20: Joint Reactions, Part 1 of 2

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
1	SLE	Max	39.705	0.	0.	0.	0.
1	SLE	Min	39.705	0.	0.	0.	0.
1	SLU	Max	51.616	0.	0.	0.	0.
1	SLU	Min	51.616	0.	0.	0.	0.
1	SLV_DX_D	Max	73.347	0.	0.	0.	0.
1	SLV_DX_D	Min	73.347	0.	0.	0.	0.
1	SLV_SX_D	Max	0.	0.	0.	0.	0.
1	SLV_SX_D	Min	0.	0.	0.	0.	0.
1	SLV_DX_U	Max	87.933	0.	0.	0.	0.
1	SLV_DX_U	Min	87.933	0.	0.	0.	0.
1	SLV_SX_U	Max	0.	0.	0.	0.	0.
1	SLV_SX_U	Min	0.	0.	0.	0.	0.
2	SLE	Max	39.483	0.	0.	0.	0.
2	SLE	Min	39.483	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	SLU	Max	51.328	0.	0.	0.	0.
2	SLU	Min	51.328	0.	0.	0.	0.
2	SLV_DX_D	Max	64.023	0.	0.	0.	0.
2	SLV_DX_D	Min	64.023	0.	0.	0.	0.
2	SLV_SX_D	Max	0.	0.	0.	0.	0.
2	SLV_SX_D	Min	0.	0.	0.	0.	0.
2	SLV_DX_U	Max	70.195	0.	0.	0.	0.
2	SLV_DX_U	Min	70.195	0.	0.	0.	0.
2	SLV_SX_U	Max	0.	0.	0.	0.	0.
2	SLV_SX_U	Min	0.	0.	0.	0.	0.
3	SLE	Max	40.751	0.	0.	0.	0.
3	SLE	Min	40.751	0.	0.	0.	0.
3	SLU	Max	52.976	0.	0.	0.	0.
3	SLU	Min	52.976	0.	0.	0.	0.
3	SLV_DX_D	Max	59.456	0.	0.	0.	0.
3	SLV_DX_D	Min	59.456	0.	0.	0.	0.
3	SLV_SX_D	Max	0.	0.	0.	0.	0.
3	SLV_SX_D	Min	0.	0.	0.	0.	0.
3	SLV_DX_U	Max	59.42	0.	0.	0.	0.
3	SLV_DX_U	Min	59.42	0.	0.	0.	0.
3	SLV_SX_U	Max	0.	0.	0.	0.	0.
3	SLV_SX_U	Min	0.	0.	0.	0.	0.
4	SLE	Max	39.77	0.	0.	0.	0.
4	SLE	Min	39.77	0.	0.	0.	0.
4	SLU	Max	51.701	0.	0.	0.	0.
4	SLU	Min	51.701	0.	0.	0.	0.
4	SLV_DX_D	Max	53.144	0.	0.	0.	0.
4	SLV_DX_D	Min	53.144	0.	0.	0.	0.
4	SLV_SX_D	Max	0.	0.	0.	0.	0.
4	SLV_SX_D	Min	0.	0.	0.	0.	0.
4	SLV_DX_U	Max	47.93	0.	0.	0.	0.
4	SLV_DX_U	Min	47.93	0.	0.	0.	0.
4	SLV_SX_U	Max	0.	0.	0.	0.	0.
4	SLV_SX_U	Min	0.	0.	0.	0.	0.
5	SLE	Max	36.961	0.	0.	0.	0.
5	SLE	Min	36.961	0.	0.	0.	0.
5	SLU	Max	48.049	0.	0.	0.	0.
5	SLU	Min	48.049	0.	0.	0.	0.
5	SLV_DX_D	Max	46.117	0.	0.	0.	0.
5	SLV_DX_D	Min	46.117	0.	0.	0.	0.
5	SLV_SX_D	Max	0.	0.	0.	0.	0.
5	SLV_SX_D	Min	0.	0.	0.	0.	0.
5	SLV_DX_U	Max	36.92	0.	0.	0.	0.
5	SLV_DX_U	Min	36.92	0.	0.	0.	0.
5	SLV_SX_U	Max	0.	0.	0.	0.	0.
5	SLV_SX_U	Min	0.	0.	0.	0.	0.
6	SLE	Max	34.47	0.	0.	0.	0.
6	SLE	Min	34.47	0.	0.	0.	0.
6	SLU	Max	44.811	0.	0.	0.	0.
6	SLU	Min	44.811	0.	0.	0.	0.
6	SLV_DX_D	Max	41.424	0.	0.	0.	0.
6	SLV_DX_D	Min	41.424	0.	0.	0.	0.
6	SLV_SX_D	Max	0.	0.	0.	0.	0.
6	SLV_SX_D	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
6	SLV_DX_U	Max	28.944	0.	0.	0.	0.
6	SLV_DX_U	Min	28.944	0.	0.	0.	0.
6	SLV_SX_U	Max	0.	0.	0.	0.	0.
6	SLV_SX_U	Min	0.	0.	0.	0.	0.
7	SLE	Max	30.832	0.	0.	0.	0.
7	SLE	Min	30.832	0.	0.	0.	0.
7	SLU	Max	40.081	0.	0.	0.	0.
7	SLU	Min	40.081	0.	0.	0.	0.
7	SLV_DX_D	Max	37.924	0.	0.	0.	0.
7	SLV_DX_D	Min	37.924	0.	0.	0.	0.
7	SLV_SX_D	Max	0.	0.	0.	0.	0.
7	SLV_SX_D	Min	0.	0.	0.	0.	0.
7	SLV_DX_U	Max	23.24	0.	0.	0.	0.
7	SLV_DX_U	Min	23.24	0.	0.	0.	0.
7	SLV_SX_U	Max	0.	0.	0.	0.	0.
7	SLV_SX_U	Min	0.	0.	0.	0.	0.
8	SLE	Max	25.729	0.	0.	0.	0.
8	SLE	Min	25.729	0.	0.	0.	0.
8	SLU	Max	33.448	0.	0.	0.	0.
8	SLU	Min	33.448	0.	0.	0.	0.
8	SLV_DX_D	Max	36.291	0.	0.	0.	0.
8	SLV_DX_D	Min	36.291	0.	0.	0.	0.
8	SLV_SX_D	Max	0.	0.	0.	0.	0.
8	SLV_SX_D	Min	0.	0.	0.	0.	0.
8	SLV_DX_U	Max	21.66	0.	0.	0.	0.
8	SLV_DX_U	Min	21.66	0.	0.	0.	0.
8	SLV_SX_U	Max	0.	0.	0.	0.	0.
8	SLV_SX_U	Min	0.	0.	0.	0.	0.
9	SLE	Max	20.995	0.	0.	0.	0.
9	SLE	Min	20.995	0.	0.	0.	0.
9	SLU	Max	27.293	0.	0.	0.	0.
9	SLU	Min	27.293	0.	0.	0.	0.
9	SLV_DX_D	Max	39.404	0.	0.	0.	0.
9	SLV_DX_D	Min	39.404	0.	0.	0.	0.
9	SLV_SX_D	Max	0.	0.	0.	0.	0.
9	SLV_SX_D	Min	0.	0.	0.	0.	0.
9	SLV_DX_U	Max	26.573	0.	0.	0.	0.
9	SLV_DX_U	Min	26.573	0.	0.	0.	0.
9	SLV_SX_U	Max	0.	0.	0.	0.	0.
9	SLV_SX_U	Min	0.	0.	0.	0.	0.
10	SLE	Max	16.769	0.	0.	0.	0.
10	SLE	Min	16.769	0.	0.	0.	0.
10	SLU	Max	21.8	0.	0.	0.	0.
10	SLU	Min	21.8	0.	0.	0.	0.
10	SLV_DX_D	Max	48.099	0.	0.	0.	0.
10	SLV_DX_D	Min	48.099	0.	0.	0.	0.
10	SLV_SX_D	Max	0.	0.	0.	0.	0.
10	SLV_SX_D	Min	0.	0.	0.	0.	0.
10	SLV_DX_U	Max	38.87	0.	0.	0.	0.
10	SLV_DX_U	Min	38.87	0.	0.	0.	0.
10	SLV_SX_U	Max	0.	0.	0.	0.	0.
10	SLV_SX_U	Min	0.	0.	0.	0.	0.
11	SLE	Max	13.075	0.	0.	0.	0.
11	SLE	Min	13.075	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	SLU	Max	16.997	0.	0.	0.	0.
11	SLU	Min	16.997	0.	0.	0.	0.
11	SLV_DX_D	Max	62.919	0.	0.	0.	0.
11	SLV_DX_D	Min	62.919	0.	0.	0.	0.
11	SLV_SX_D	Max	0.	0.	0.	0.	0.
11	SLV_SX_D	Min	0.	0.	0.	0.	0.
11	SLV_DX_U	Max	59.151	0.	0.	0.	0.
11	SLV_DX_U	Min	59.151	0.	0.	0.	0.
11	SLV_SX_U	Max	0.	0.	0.	0.	0.
11	SLV_SX_U	Min	0.	0.	0.	0.	0.
12	SLE	Max	9.857	0.	0.	0.	0.
12	SLE	Min	9.857	0.	0.	0.	0.
12	SLU	Max	12.815	0.	0.	0.	0.
12	SLU	Min	12.815	0.	0.	0.	0.
12	SLV_DX_D	Max	84.024	0.	0.	0.	0.
12	SLV_DX_D	Min	84.024	0.	0.	0.	0.
12	SLV_SX_D	Max	0.	0.	0.	0.	0.
12	SLV_SX_D	Min	0.	0.	0.	0.	0.
12	SLV_DX_U	Max	87.602	0.	0.	0.	0.
12	SLV_DX_U	Min	87.602	0.	0.	0.	0.
12	SLV_SX_U	Max	0.	0.	0.	0.	0.
12	SLV_SX_U	Min	0.	0.	0.	0.	0.
13	SLE	Max	7.035	0.	0.	0.	0.
13	SLE	Min	7.035	0.	0.	0.	0.
13	SLU	Max	9.145	0.	0.	0.	0.
13	SLU	Min	9.145	0.	0.	0.	0.
13	SLV_DX_D	Max	111.031	0.	0.	0.	0.
13	SLV_DX_D	Min	111.031	0.	0.	0.	0.
13	SLV_SX_D	Max	0.	0.	0.	0.	0.
13	SLV_SX_D	Min	0.	0.	0.	0.	0.
13	SLV_DX_U	Max	123.774	0.	0.	0.	0.
13	SLV_DX_U	Min	123.774	0.	0.	0.	0.
13	SLV_SX_U	Max	0.	0.	0.	0.	0.
13	SLV_SX_U	Min	0.	0.	0.	0.	0.
14	SLE	Max	2.26	0.	0.	0.	0.
14	SLE	Min	2.26	0.	0.	0.	0.
14	SLU	Max	2.938	0.	0.	0.	0.
14	SLU	Min	2.938	0.	0.	0.	0.
14	SLV_DX_D	Max	71.464	0.	0.	0.	0.
14	SLV_DX_D	Min	71.464	0.	0.	0.	0.
14	SLV_SX_D	Max	0.	0.	0.	0.	0.
14	SLV_SX_D	Min	0.	0.	0.	0.	0.
14	SLV_DX_U	Max	83.229	0.	0.	0.	0.
14	SLV_DX_U	Min	83.229	0.	0.	0.	0.
14	SLV_SX_U	Max	0.	0.	0.	0.	0.
14	SLV_SX_U	Min	0.	0.	0.	0.	0.
42	SLE	Max	-2.26	0.	0.	0.	0.
42	SLE	Min	-2.26	0.	0.	0.	0.
42	SLU	Max	-2.938	0.	0.	0.	0.
42	SLU	Min	-2.938	0.	0.	0.	0.
42	SLV_DX_D	Max	0.	0.	0.	0.	0.
42	SLV_DX_D	Min	0.	0.	0.	0.	0.
42	SLV_SX_D	Max	-71.464	0.	0.	0.	0.
42	SLV_SX_D	Min	-71.464	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
42	SLV_DX_U	Max	0.	0.	0.	0.	0.
42	SLV_DX_U	Min	0.	0.	0.	0.	0.
42	SLV_SX_U	Max	-83.229	0.	0.	0.	0.
42	SLV_SX_U	Min	-83.229	0.	0.	0.	0.
43	SLE	Max	-7.035	0.	0.	0.	0.
43	SLE	Min	-7.035	0.	0.	0.	0.
43	SLU	Max	-9.145	0.	0.	0.	0.
43	SLU	Min	-9.145	0.	0.	0.	0.
43	SLV_DX_D	Max	0.	0.	0.	0.	0.
43	SLV_DX_D	Min	0.	0.	0.	0.	0.
43	SLV_SX_D	Max	-111.031	0.	0.	0.	0.
43	SLV_SX_D	Min	-111.031	0.	0.	0.	0.
43	SLV_DX_U	Max	0.	0.	0.	0.	0.
43	SLV_DX_U	Min	0.	0.	0.	0.	0.
43	SLV_SX_U	Max	-123.774	0.	0.	0.	0.
43	SLV_SX_U	Min	-123.774	0.	0.	0.	0.
44	SLE	Max	-9.857	0.	0.	0.	0.
44	SLE	Min	-9.857	0.	0.	0.	0.
44	SLU	Max	-12.815	0.	0.	0.	0.
44	SLU	Min	-12.815	0.	0.	0.	0.
44	SLV_DX_D	Max	0.	0.	0.	0.	0.
44	SLV_DX_D	Min	0.	0.	0.	0.	0.
44	SLV_SX_D	Max	-84.024	0.	0.	0.	0.
44	SLV_SX_D	Min	-84.024	0.	0.	0.	0.
44	SLV_DX_U	Max	0.	0.	0.	0.	0.
44	SLV_DX_U	Min	0.	0.	0.	0.	0.
44	SLV_SX_U	Max	-87.602	0.	0.	0.	0.
44	SLV_SX_U	Min	-87.602	0.	0.	0.	0.
45	SLE	Max	-13.075	0.	0.	0.	0.
45	SLE	Min	-13.075	0.	0.	0.	0.
45	SLU	Max	-16.997	0.	0.	0.	0.
45	SLU	Min	-16.997	0.	0.	0.	0.
45	SLV_DX_D	Max	0.	0.	0.	0.	0.
45	SLV_DX_D	Min	0.	0.	0.	0.	0.
45	SLV_SX_D	Max	-62.919	0.	0.	0.	0.
45	SLV_SX_D	Min	-62.919	0.	0.	0.	0.
45	SLV_DX_U	Max	0.	0.	0.	0.	0.
45	SLV_DX_U	Min	0.	0.	0.	0.	0.
45	SLV_SX_U	Max	-59.151	0.	0.	0.	0.
45	SLV_SX_U	Min	-59.151	0.	0.	0.	0.
46	SLE	Max	-16.769	0.	0.	0.	0.
46	SLE	Min	-16.769	0.	0.	0.	0.
46	SLU	Max	-21.8	0.	0.	0.	0.
46	SLU	Min	-21.8	0.	0.	0.	0.
46	SLV_DX_D	Max	0.	0.	0.	0.	0.
46	SLV_DX_D	Min	0.	0.	0.	0.	0.
46	SLV_SX_D	Max	-48.099	0.	0.	0.	0.
46	SLV_SX_D	Min	-48.099	0.	0.	0.	0.
46	SLV_DX_U	Max	0.	0.	0.	0.	0.
46	SLV_DX_U	Min	0.	0.	0.	0.	0.
46	SLV_SX_U	Max	-38.87	0.	0.	0.	0.
46	SLV_SX_U	Min	-38.87	0.	0.	0.	0.
47	SLE	Max	-20.995	0.	0.	0.	0.
47	SLE	Min	-20.995	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
47	SLU	Max	-27.293	0.	0.	0.	0.
47	SLU	Min	-27.293	0.	0.	0.	0.
47	SLV_DX_D	Max	0.	0.	0.	0.	0.
47	SLV_DX_D	Min	0.	0.	0.	0.	0.
47	SLV_SX_D	Max	-39.404	0.	0.	0.	0.
47	SLV_SX_D	Min	-39.404	0.	0.	0.	0.
47	SLV_DX_U	Max	0.	0.	0.	0.	0.
47	SLV_DX_U	Min	0.	0.	0.	0.	0.
47	SLV_SX_U	Max	-26.573	0.	0.	0.	0.
47	SLV_SX_U	Min	-26.573	0.	0.	0.	0.
48	SLE	Max	-25.729	0.	0.	0.	0.
48	SLE	Min	-25.729	0.	0.	0.	0.
48	SLU	Max	-33.448	0.	0.	0.	0.
48	SLU	Min	-33.448	0.	0.	0.	0.
48	SLV_DX_D	Max	0.	0.	0.	0.	0.
48	SLV_DX_D	Min	0.	0.	0.	0.	0.
48	SLV_SX_D	Max	-36.291	0.	0.	0.	0.
48	SLV_SX_D	Min	-36.291	0.	0.	0.	0.
48	SLV_DX_U	Max	0.	0.	0.	0.	0.
48	SLV_DX_U	Min	0.	0.	0.	0.	0.
48	SLV_SX_U	Max	-21.66	0.	0.	0.	0.
48	SLV_SX_U	Min	-21.66	0.	0.	0.	0.
49	SLE	Max	-30.832	0.	0.	0.	0.
49	SLE	Min	-30.832	0.	0.	0.	0.
49	SLU	Max	-40.081	0.	0.	0.	0.
49	SLU	Min	-40.081	0.	0.	0.	0.
49	SLV_DX_D	Max	0.	0.	0.	0.	0.
49	SLV_DX_D	Min	0.	0.	0.	0.	0.
49	SLV_SX_D	Max	-37.924	0.	0.	0.	0.
49	SLV_SX_D	Min	-37.924	0.	0.	0.	0.
49	SLV_DX_U	Max	0.	0.	0.	0.	0.
49	SLV_DX_U	Min	0.	0.	0.	0.	0.
49	SLV_SX_U	Max	-23.24	0.	0.	0.	0.
49	SLV_SX_U	Min	-23.24	0.	0.	0.	0.
50	SLE	Max	-34.47	0.	0.	0.	0.
50	SLE	Min	-34.47	0.	0.	0.	0.
50	SLU	Max	-44.811	0.	0.	0.	0.
50	SLU	Min	-44.811	0.	0.	0.	0.
50	SLV_DX_D	Max	0.	0.	0.	0.	0.
50	SLV_DX_D	Min	0.	0.	0.	0.	0.
50	SLV_SX_D	Max	-41.424	0.	0.	0.	0.
50	SLV_SX_D	Min	-41.424	0.	0.	0.	0.
50	SLV_DX_U	Max	0.	0.	0.	0.	0.
50	SLV_DX_U	Min	0.	0.	0.	0.	0.
50	SLV_SX_U	Max	-28.944	0.	0.	0.	0.
50	SLV_SX_U	Min	-28.944	0.	0.	0.	0.
51	SLE	Max	-36.961	0.	0.	0.	0.
51	SLE	Min	-36.961	0.	0.	0.	0.
51	SLU	Max	-48.049	0.	0.	0.	0.
51	SLU	Min	-48.049	0.	0.	0.	0.
51	SLV_DX_D	Max	0.	0.	0.	0.	0.
51	SLV_DX_D	Min	0.	0.	0.	0.	0.
51	SLV_SX_D	Max	-46.117	0.	0.	0.	0.
51	SLV_SX_D	Min	-46.117	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	SLV_DX_U	Max	0.	0.	0.	0.	0.
51	SLV_DX_U	Min	0.	0.	0.	0.	0.
51	SLV_SX_U	Max	-36.92	0.	0.	0.	0.
51	SLV_SX_U	Min	-36.92	0.	0.	0.	0.
52	SLE	Max	-39.77	0.	0.	0.	0.
52	SLE	Min	-39.77	0.	0.	0.	0.
52	SLU	Max	-51.701	0.	0.	0.	0.
52	SLU	Min	-51.701	0.	0.	0.	0.
52	SLV_DX_D	Max	0.	0.	0.	0.	0.
52	SLV_DX_D	Min	0.	0.	0.	0.	0.
52	SLV_SX_D	Max	-53.144	0.	0.	0.	0.
52	SLV_SX_D	Min	-53.144	0.	0.	0.	0.
52	SLV_DX_U	Max	0.	0.	0.	0.	0.
52	SLV_DX_U	Min	0.	0.	0.	0.	0.
52	SLV_SX_U	Max	-47.93	0.	0.	0.	0.
52	SLV_SX_U	Min	-47.93	0.	0.	0.	0.
53	SLE	Max	-40.751	0.	0.	0.	0.
53	SLE	Min	-40.751	0.	0.	0.	0.
53	SLU	Max	-52.976	0.	0.	0.	0.
53	SLU	Min	-52.976	0.	0.	0.	0.
53	SLV_DX_D	Max	0.	0.	0.	0.	0.
53	SLV_DX_D	Min	0.	0.	0.	0.	0.
53	SLV_SX_D	Max	-59.456	0.	0.	0.	0.
53	SLV_SX_D	Min	-59.456	0.	0.	0.	0.
53	SLV_DX_U	Max	0.	0.	0.	0.	0.
53	SLV_DX_U	Min	0.	0.	0.	0.	0.
53	SLV_SX_U	Max	-59.42	0.	0.	0.	0.
53	SLV_SX_U	Min	-59.42	0.	0.	0.	0.
54	SLE	Max	-39.483	0.	0.	0.	0.
54	SLE	Min	-39.483	0.	0.	0.	0.
54	SLU	Max	-51.328	0.	0.	0.	0.
54	SLU	Min	-51.328	0.	0.	0.	0.
54	SLV_DX_D	Max	0.	0.	0.	0.	0.
54	SLV_DX_D	Min	0.	0.	0.	0.	0.
54	SLV_SX_D	Max	-64.023	0.	0.	0.	0.
54	SLV_SX_D	Min	-64.023	0.	0.	0.	0.
54	SLV_DX_U	Max	0.	0.	0.	0.	0.
54	SLV_DX_U	Min	0.	0.	0.	0.	0.
54	SLV_SX_U	Max	-70.195	0.	0.	0.	0.
54	SLV_SX_U	Min	-70.195	0.	0.	0.	0.
55	SLE	Max	-39.705	0.	0.	0.	0.
55	SLE	Min	-39.705	0.	0.	0.	0.
55	SLU	Max	-51.616	0.	0.	0.	0.
55	SLU	Min	-51.616	0.	0.	0.	0.
55	SLV_DX_D	Max	0.	0.	0.	0.	0.
55	SLV_DX_D	Min	0.	0.	0.	0.	0.
55	SLV_SX_D	Max	-73.347	0.	0.	0.	0.
55	SLV_SX_D	Min	-73.347	0.	0.	0.	0.
55	SLV_DX_U	Max	0.	0.	0.	0.	0.
55	SLV_DX_U	Min	0.	0.	0.	0.	0.
55	SLV_SX_U	Max	-87.933	0.	0.	0.	0.
55	SLV_SX_U	Min	-87.933	0.	0.	0.	0.
56	SLE	Max	-17.525	0.	171.714	0.	-9.0047
56	SLE	Min	-17.525	0.	171.714	0.	-9.0047

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
56	SLU	Max	-22.783	0.	223.229	0.	-11.7061
56	SLU	Min	-22.783	0.	223.229	0.	-11.7061
56	SLV_DX_D	Max	0.	0.	131.517	0.	14.5472
56	SLV_DX_D	Min	0.	0.	131.517	0.	14.5472
56	SLV_SX_D	Max	-40.024	0.	173.598	0.	-3.4402
56	SLV_SX_D	Min	-40.024	0.	173.598	0.	-3.4402
56	SLV_DX_U	Max	0.	0.	57.567	0.	32.1782
56	SLV_DX_U	Min	0.	0.	57.567	0.	32.1782
56	SLV_SX_U	Max	-53.549	0.	106.205	0.	5.5058
56	SLV_SX_U	Min	-53.549	0.	106.205	0.	5.5058
57	SLE	Max	0.	0.	311.052	0.	0.
57	SLE	Min	0.	0.	311.052	0.	0.
57	SLU	Max	0.	0.	404.368	0.	0.
57	SLU	Min	0.	0.	404.368	0.	0.
57	SLV_DX_D	Max	0.	0.	284.929	0.	0.
57	SLV_DX_D	Min	0.	0.	284.929	0.	0.
57	SLV_SX_D	Max	0.	0.	326.387	0.	0.
57	SLV_SX_D	Min	0.	0.	326.387	0.	0.
57	SLV_DX_U	Max	0.	0.	181.702	0.	0.
57	SLV_DX_U	Min	0.	0.	181.702	0.	0.
57	SLV_SX_U	Max	0.	0.	215.708	0.	0.
57	SLV_SX_U	Min	0.	0.	215.708	0.	0.
58	SLE	Max	-12.76	-3.261E-15	162.134	0.	0.
58	SLE	Min	-12.76	-3.261E-15	162.134	0.	0.
58	SLU	Max	-16.589	-4.239E-15	210.775	0.	0.
58	SLU	Min	-16.589	-4.239E-15	210.775	0.	0.
58	SLV_DX_D	Max	-9.993	-2.554E-15	169.238	0.	0.
58	SLV_DX_D	Min	-9.993	-2.554E-15	169.238	0.	0.
58	SLV_SX_D	Max	-16.127	-4.121E-15	181.147	0.	0.
58	SLV_SX_D	Min	-16.127	-4.121E-15	181.147	0.	0.
58	SLV_DX_U	Max	-3.777	-9.652E-16	127.926	0.	0.
58	SLV_DX_U	Min	-3.777	-9.652E-16	127.926	0.	0.
58	SLV_SX_U	Max	-14.131	-3.611E-15	133.896	0.	0.
58	SLV_SX_U	Min	-14.131	-3.611E-15	133.896	0.	0.
59	SLE	Max	-22.413	-5.995E-15	43.501	0.	0.
59	SLE	Min	-22.413	-5.995E-15	43.501	0.	0.
59	SLU	Max	-29.137	-7.793E-15	56.552	0.	0.
59	SLU	Min	-29.137	-7.793E-15	56.552	0.	0.
59	SLV_DX_D	Max	-20.447	-5.473E-15	39.725	0.	0.
59	SLV_DX_D	Min	-20.447	-5.473E-15	39.725	0.	0.
59	SLV_SX_D	Max	-29.324	-7.840E-15	56.886	0.	0.
59	SLV_SX_D	Min	-29.324	-7.840E-15	56.886	0.	0.
59	SLV_DX_U	Max	-11.499	-3.084E-15	22.397	0.	0.
59	SLV_DX_U	Min	-11.499	-3.084E-15	22.397	0.	0.
59	SLV_SX_U	Max	-26.779	-7.157E-15	51.923	0.	0.
59	SLV_SX_U	Min	-26.779	-7.157E-15	51.923	0.	0.
60	SLE	Max	-18.858	-5.563E-15	41.316	0.	0.
60	SLE	Min	-18.858	-5.563E-15	41.316	0.	0.
60	SLU	Max	-24.515	-7.233E-15	53.711	0.	0.
60	SLU	Min	-24.515	-7.233E-15	53.711	0.	0.
60	SLV_DX_D	Max	-19.692	-5.814E-15	43.185	0.	0.
60	SLV_DX_D	Min	-19.692	-5.814E-15	43.185	0.	0.
60	SLV_SX_D	Max	-25.264	-7.450E-15	55.322	0.	0.
60	SLV_SX_D	Min	-25.264	-7.450E-15	55.322	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
60	SLV_DX_U	Max	-13.984	-4.135E-15	30.72	0.	0.
60	SLV_DX_U	Min	-13.984	-4.135E-15	30.72	0.	0.
60	SLV_SX_U	Max	-23.716	-6.990E-15	51.9	0.	0.
60	SLV_SX_U	Min	-23.716	-6.990E-15	51.9	0.	0.
61	SLE	Max	-15.675	-5.169E-15	39.179	0.	0.
61	SLE	Min	-15.675	-5.169E-15	39.179	0.	0.
61	SLU	Max	-20.377	-6.720E-15	50.933	0.	0.
61	SLU	Min	-20.377	-6.720E-15	50.933	0.	0.
61	SLV_DX_D	Max	-18.196	-6.006E-15	45.525	0.	0.
61	SLV_DX_D	Min	-18.196	-6.006E-15	45.525	0.	0.
61	SLV_SX_D	Max	-21.446	-7.068E-15	53.569	0.	0.
61	SLV_SX_D	Min	-21.446	-7.068E-15	53.569	0.	0.
61	SLV_DX_U	Max	-14.837	-4.903E-15	37.171	0.	0.
61	SLV_DX_U	Min	-14.837	-4.903E-15	37.171	0.	0.
61	SLV_SX_U	Max	-20.614	-6.790E-15	51.457	0.	0.
61	SLV_SX_U	Min	-20.614	-6.790E-15	51.457	0.	0.
62	SLE	Max	-12.862	-4.821E-15	37.19	0.	0.
62	SLE	Min	-12.862	-4.821E-15	37.19	0.	0.
62	SLU	Max	-16.721	-6.267E-15	48.347	0.	0.
62	SLU	Min	-16.721	-6.267E-15	48.347	0.	0.
62	SLV_DX_D	Max	-16.218	-6.083E-15	46.938	0.	0.
62	SLV_DX_D	Min	-16.218	-6.083E-15	46.938	0.	0.
62	SLV_SX_D	Max	-17.928	-6.714E-15	51.797	0.	0.
62	SLV_SX_D	Min	-17.928	-6.714E-15	51.797	0.	0.
62	SLV_DX_U	Max	-14.472	-5.434E-15	41.936	0.	0.
62	SLV_DX_U	Min	-14.472	-5.434E-15	41.936	0.	0.
62	SLV_SX_U	Max	-17.591	-6.584E-15	50.783	0.	0.
62	SLV_SX_U	Min	-17.591	-6.584E-15	50.783	0.	0.
63	SLE	Max	-10.395	-4.523E-15	35.432	0.	0.
63	SLE	Min	-10.395	-4.523E-15	35.432	0.	0.
63	SLU	Max	-13.513	-5.880E-15	46.061	0.	0.
63	SLU	Min	-13.513	-5.880E-15	46.061	0.	0.
63	SLV_DX_D	Max	-13.963	-6.082E-15	47.645	0.	0.
63	SLV_DX_D	Min	-13.963	-6.082E-15	47.645	0.	0.
63	SLV_SX_D	Max	-14.73	-6.404E-15	50.161	0.	0.
63	SLV_SX_D	Min	-14.73	-6.404E-15	50.161	0.	0.
63	SLV_DX_U	Max	-13.252	-5.778E-15	45.27	0.	0.
63	SLV_DX_U	Min	-13.252	-5.778E-15	45.27	0.	0.
63	SLV_SX_U	Max	-14.714	-6.392E-15	50.06	0.	0.
63	SLV_SX_U	Min	-14.714	-6.392E-15	50.06	0.	0.
64	SLE	Max	-8.226	-4.277E-15	33.935	0.	0.
64	SLE	Min	-8.226	-4.277E-15	33.935	0.	0.
64	SLU	Max	-10.694	-5.561E-15	44.115	0.	0.
64	SLU	Min	-10.694	-5.561E-15	44.115	0.	0.
64	SLV_DX_D	Max	-11.578	-6.028E-15	47.824	0.	0.
64	SLV_DX_D	Min	-11.578	-6.028E-15	47.824	0.	0.
64	SLV_SX_D	Max	-11.83	-6.145E-15	48.747	0.	0.
64	SLV_SX_D	Min	-11.83	-6.145E-15	48.747	0.	0.
64	SLV_DX_U	Max	-11.467	-5.976E-15	47.42	0.	0.
64	SLV_DX_U	Min	-11.467	-5.976E-15	47.42	0.	0.
64	SLV_SX_U	Max	-12.003	-6.228E-15	49.404	0.	0.
64	SLV_SX_U	Min	-12.003	-6.228E-15	49.404	0.	0.
65	SLE	Max	-6.303	-4.081E-15	32.715	0.	0.
65	SLE	Min	-6.303	-4.081E-15	32.715	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	SLU	Max	-8.193	-5.306E-15	42.53	0.	0.
65	SLU	Min	-8.193	-5.306E-15	42.53	0.	0.
65	SLV_DX_D	Max	-9.165	-5.943E-15	47.644	0.	0.
65	SLV_DX_D	Min	-9.165	-5.943E-15	47.644	0.	0.
65	SLV_SX_D	Max	-9.187	-5.940E-15	47.613	0.	0.
65	SLV_SX_D	Min	-9.187	-5.940E-15	47.613	0.	0.
65	SLV_DX_U	Max	-9.343	-6.067E-15	48.64	0.	0.
65	SLV_DX_U	Min	-9.343	-6.067E-15	48.64	0.	0.
65	SLV_SX_U	Max	-9.448	-6.101E-15	48.901	0.	0.
65	SLV_SX_U	Min	-9.448	-6.101E-15	48.901	0.	0.
66	SLE	Max	-4.568	-3.933E-15	31.78	0.	0.
66	SLE	Min	-4.568	-3.933E-15	31.78	0.	0.
66	SLU	Max	-5.938	-5.113E-15	41.314	0.	0.
66	SLU	Min	-5.938	-5.113E-15	41.314	0.	0.
66	SLV_DX_D	Max	-6.78	-5.850E-15	47.269	0.	0.
66	SLV_DX_D	Min	-6.78	-5.850E-15	47.269	0.	0.
66	SLV_SX_D	Max	-6.74	-5.792E-15	46.795	0.	0.
66	SLV_SX_D	Min	-6.74	-5.792E-15	46.795	0.	0.
66	SLV_DX_U	Max	-7.043	-6.087E-15	49.187	0.	0.
66	SLV_DX_U	Min	-7.043	-6.087E-15	49.187	0.	0.
66	SLV_SX_U	Max	-7.013	-6.015E-15	48.601	0.	0.
66	SLV_SX_U	Min	-7.013	-6.015E-15	48.601	0.	0.
67	SLE	Max	-2.969	-3.830E-15	31.12	0.	0.
67	SLE	Min	-2.969	-3.830E-15	31.12	0.	0.
67	SLU	Max	-3.86	-4.978E-15	40.457	0.	0.
67	SLU	Min	-3.86	-4.978E-15	40.457	0.	0.
67	SLV_DX_D	Max	-4.454	-5.762E-15	46.826	0.	0.
67	SLV_DX_D	Min	-4.454	-5.762E-15	46.826	0.	0.
67	SLV_SX_D	Max	-4.431	-5.697E-15	46.292	0.	0.
67	SLV_SX_D	Min	-4.431	-5.697E-15	46.292	0.	0.
67	SLV_DX_U	Max	-4.675	-6.064E-15	49.281	0.	0.
67	SLV_DX_U	Min	-4.675	-6.064E-15	49.281	0.	0.
67	SLV_SX_U	Max	-4.656	-5.970E-15	48.511	0.	0.
67	SLV_SX_U	Min	-4.656	-5.970E-15	48.511	0.	0.
68	SLE	Max	-1.461	-3.769E-15	30.731	0.	0.
68	SLE	Min	-1.461	-3.769E-15	30.731	0.	0.
68	SLU	Max	-1.899	-4.899E-15	39.951	0.	0.
68	SLU	Min	-1.899	-4.899E-15	39.951	0.	0.
68	SLV_DX_D	Max	-2.193	-5.694E-15	46.427	0.	0.
68	SLV_DX_D	Min	-2.193	-5.694E-15	46.427	0.	0.
68	SLV_SX_D	Max	-2.205	-5.653E-15	46.093	0.	0.
68	SLV_SX_D	Min	-2.205	-5.653E-15	46.093	0.	0.
68	SLV_DX_U	Max	-2.308	-6.024E-15	49.118	0.	0.
68	SLV_DX_U	Min	-2.308	-6.024E-15	49.118	0.	0.
68	SLV_SX_U	Max	-2.338	-5.962E-15	48.614	0.	0.
68	SLV_SX_U	Min	-2.338	-5.962E-15	48.614	0.	0.
69	SLE	Max	-4.441E-15	-3.749E-15	30.603	0.	0.
69	SLE	Min	-4.441E-15	-3.749E-15	30.603	0.	0.
69	SLU	Max	-5.662E-15	-4.874E-15	39.784	0.	0.
69	SLU	Min	-5.662E-15	-4.874E-15	39.784	0.	0.
69	SLV_DX_D	Max	0.014	-5.654E-15	46.158	0.	0.
69	SLV_DX_D	Min	0.014	-5.654E-15	46.158	0.	0.
69	SLV_SX_D	Max	-0.014	-5.654E-15	46.158	0.	0.
69	SLV_SX_D	Min	-0.014	-5.654E-15	46.158	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
69	SLV_DX_U	Max	0.027	-5.984E-15	48.851	0.	0.
69	SLV_DX_U	Min	0.027	-5.984E-15	48.851	0.	0.
69	SLV_SX_U	Max	-0.027	-5.984E-15	48.851	0.	0.
69	SLV_SX_U	Min	-0.027	-5.984E-15	48.851	0.	0.
70	SLE	Max	1.461	-3.769E-15	30.731	0.	0.
70	SLE	Min	1.461	-3.769E-15	30.731	0.	0.
70	SLU	Max	1.899	-4.899E-15	39.951	0.	0.
70	SLU	Min	1.899	-4.899E-15	39.951	0.	0.
70	SLV_DX_D	Max	2.205	-5.653E-15	46.093	0.	0.
70	SLV_DX_D	Min	2.205	-5.653E-15	46.093	0.	0.
70	SLV_SX_D	Max	2.193	-5.694E-15	46.427	0.	0.
70	SLV_SX_D	Min	2.193	-5.694E-15	46.427	0.	0.
70	SLV_DX_U	Max	2.338	-5.962E-15	48.614	0.	0.
70	SLV_DX_U	Min	2.338	-5.962E-15	48.614	0.	0.
70	SLV_SX_U	Max	2.308	-6.024E-15	49.118	0.	0.
70	SLV_SX_U	Min	2.308	-6.024E-15	49.118	0.	0.
71	SLE	Max	2.969	-3.830E-15	31.12	0.	0.
71	SLE	Min	2.969	-3.830E-15	31.12	0.	0.
71	SLU	Max	3.86	-4.978E-15	40.457	0.	0.
71	SLU	Min	3.86	-4.978E-15	40.457	0.	0.
71	SLV_DX_D	Max	4.431	-5.697E-15	46.292	0.	0.
71	SLV_DX_D	Min	4.431	-5.697E-15	46.292	0.	0.
71	SLV_SX_D	Max	4.454	-5.762E-15	46.826	0.	0.
71	SLV_SX_D	Min	4.454	-5.762E-15	46.826	0.	0.
71	SLV_DX_U	Max	4.656	-5.970E-15	48.511	0.	0.
71	SLV_DX_U	Min	4.656	-5.970E-15	48.511	0.	0.
71	SLV_SX_U	Max	4.675	-6.064E-15	49.281	0.	0.
71	SLV_SX_U	Min	4.675	-6.064E-15	49.281	0.	0.
72	SLE	Max	4.568	-3.933E-15	31.78	0.	0.
72	SLE	Min	4.568	-3.933E-15	31.78	0.	0.
72	SLU	Max	5.938	-5.113E-15	41.314	0.	0.
72	SLU	Min	5.938	-5.113E-15	41.314	0.	0.
72	SLV_DX_D	Max	6.74	-5.792E-15	46.795	0.	0.
72	SLV_DX_D	Min	6.74	-5.792E-15	46.795	0.	0.
72	SLV_SX_D	Max	6.78	-5.850E-15	47.269	0.	0.
72	SLV_SX_D	Min	6.78	-5.850E-15	47.269	0.	0.
72	SLV_DX_U	Max	7.013	-6.015E-15	48.601	0.	0.
72	SLV_DX_U	Min	7.013	-6.015E-15	48.601	0.	0.
72	SLV_SX_U	Max	7.043	-6.087E-15	49.187	0.	0.
72	SLV_SX_U	Min	7.043	-6.087E-15	49.187	0.	0.
73	SLE	Max	6.303	-4.081E-15	32.715	0.	0.
73	SLE	Min	6.303	-4.081E-15	32.715	0.	0.
73	SLU	Max	8.193	-5.306E-15	42.53	0.	0.
73	SLU	Min	8.193	-5.306E-15	42.53	0.	0.
73	SLV_DX_D	Max	9.187	-5.940E-15	47.613	0.	0.
73	SLV_DX_D	Min	9.187	-5.940E-15	47.613	0.	0.
73	SLV_SX_D	Max	9.165	-5.943E-15	47.644	0.	0.
73	SLV_SX_D	Min	9.165	-5.943E-15	47.644	0.	0.
73	SLV_DX_U	Max	9.448	-6.101E-15	48.901	0.	0.
73	SLV_DX_U	Min	9.448	-6.101E-15	48.901	0.	0.
73	SLV_SX_U	Max	9.343	-6.067E-15	48.64	0.	0.
73	SLV_SX_U	Min	9.343	-6.067E-15	48.64	0.	0.
74	SLE	Max	8.226	-4.277E-15	33.935	0.	0.
74	SLE	Min	8.226	-4.277E-15	33.935	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
74	SLU	Max	10.694	-5.561E-15	44.115	0.	0.
74	SLU	Min	10.694	-5.561E-15	44.115	0.	0.
74	SLV_DX_D	Max	11.83	-6.145E-15	48.747	0.	0.
74	SLV_DX_D	Min	11.83	-6.145E-15	48.747	0.	0.
74	SLV_SX_D	Max	11.578	-6.028E-15	47.824	0.	0.
74	SLV_SX_D	Min	11.578	-6.028E-15	47.824	0.	0.
74	SLV_DX_U	Max	12.003	-6.228E-15	49.404	0.	0.
74	SLV_DX_U	Min	12.003	-6.228E-15	49.404	0.	0.
74	SLV_SX_U	Max	11.467	-5.976E-15	47.42	0.	0.
74	SLV_SX_U	Min	11.467	-5.976E-15	47.42	0.	0.
75	SLE	Max	10.395	-4.523E-15	35.432	0.	0.
75	SLE	Min	10.395	-4.523E-15	35.432	0.	0.
75	SLU	Max	13.513	-5.880E-15	46.061	0.	0.
75	SLU	Min	13.513	-5.880E-15	46.061	0.	0.
75	SLV_DX_D	Max	14.73	-6.404E-15	50.161	0.	0.
75	SLV_DX_D	Min	14.73	-6.404E-15	50.161	0.	0.
75	SLV_SX_D	Max	13.963	-6.082E-15	47.645	0.	0.
75	SLV_SX_D	Min	13.963	-6.082E-15	47.645	0.	0.
75	SLV_DX_U	Max	14.714	-6.392E-15	50.06	0.	0.
75	SLV_DX_U	Min	14.714	-6.392E-15	50.06	0.	0.
75	SLV_SX_U	Max	13.252	-5.778E-15	45.27	0.	0.
75	SLV_SX_U	Min	13.252	-5.778E-15	45.27	0.	0.
76	SLE	Max	12.862	-4.821E-15	37.19	0.	0.
76	SLE	Min	12.862	-4.821E-15	37.19	0.	0.
76	SLU	Max	16.721	-6.267E-15	48.347	0.	0.
76	SLU	Min	16.721	-6.267E-15	48.347	0.	0.
76	SLV_DX_D	Max	17.928	-6.714E-15	51.797	0.	0.
76	SLV_DX_D	Min	17.928	-6.714E-15	51.797	0.	0.
76	SLV_SX_D	Max	16.218	-6.083E-15	46.938	0.	0.
76	SLV_SX_D	Min	16.218	-6.083E-15	46.938	0.	0.
76	SLV_DX_U	Max	17.591	-6.584E-15	50.783	0.	0.
76	SLV_DX_U	Min	17.591	-6.584E-15	50.783	0.	0.
76	SLV_SX_U	Max	14.472	-5.434E-15	41.936	0.	0.
76	SLV_SX_U	Min	14.472	-5.434E-15	41.936	0.	0.
77	SLE	Max	15.675	-5.169E-15	39.179	0.	0.
77	SLE	Min	15.675	-5.169E-15	39.179	0.	0.
77	SLU	Max	20.377	-6.720E-15	50.933	0.	0.
77	SLU	Min	20.377	-6.720E-15	50.933	0.	0.
77	SLV_DX_D	Max	21.446	-7.068E-15	53.569	0.	0.
77	SLV_DX_D	Min	21.446	-7.068E-15	53.569	0.	0.
77	SLV_SX_D	Max	18.196	-6.006E-15	45.525	0.	0.
77	SLV_SX_D	Min	18.196	-6.006E-15	45.525	0.	0.
77	SLV_DX_U	Max	20.614	-6.790E-15	51.457	0.	0.
77	SLV_DX_U	Min	20.614	-6.790E-15	51.457	0.	0.
77	SLV_SX_U	Max	14.837	-4.903E-15	37.171	0.	0.
77	SLV_SX_U	Min	14.837	-4.903E-15	37.171	0.	0.
78	SLE	Max	18.858	-5.563E-15	41.316	0.	0.
78	SLE	Min	18.858	-5.563E-15	41.316	0.	0.
78	SLU	Max	24.515	-7.233E-15	53.711	0.	0.
78	SLU	Min	24.515	-7.233E-15	53.711	0.	0.
78	SLV_DX_D	Max	25.264	-7.450E-15	55.322	0.	0.
78	SLV_DX_D	Min	25.264	-7.450E-15	55.322	0.	0.
78	SLV_SX_D	Max	19.692	-5.814E-15	43.185	0.	0.
78	SLV_SX_D	Min	19.692	-5.814E-15	43.185	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	SLV_DX_U	Max	23.716	-6.990E-15	51.9	0.	0.
78	SLV_DX_U	Min	23.716	-6.990E-15	51.9	0.	0.
78	SLV_SX_U	Max	13.984	-4.135E-15	30.72	0.	0.
78	SLV_SX_U	Min	13.984	-4.135E-15	30.72	0.	0.
79	SLE	Max	22.413	-5.995E-15	43.501	0.	0.
79	SLE	Min	22.413	-5.995E-15	43.501	0.	0.
79	SLU	Max	29.137	-7.793E-15	56.552	0.	0.
79	SLU	Min	29.137	-7.793E-15	56.552	0.	0.
79	SLV_DX_D	Max	29.324	-7.840E-15	56.886	0.	0.
79	SLV_DX_D	Min	29.324	-7.840E-15	56.886	0.	0.
79	SLV_SX_D	Max	20.447	-5.473E-15	39.725	0.	0.
79	SLV_SX_D	Min	20.447	-5.473E-15	39.725	0.	0.
79	SLV_DX_U	Max	26.779	-7.157E-15	51.923	0.	0.
79	SLV_DX_U	Min	26.779	-7.157E-15	51.923	0.	0.
79	SLV_SX_U	Max	11.499	-3.084E-15	22.397	0.	0.
79	SLV_SX_U	Min	11.499	-3.084E-15	22.397	0.	0.
80	SLE	Max	12.76	-3.261E-15	162.134	0.	0.
80	SLE	Min	12.76	-3.261E-15	162.134	0.	0.
80	SLU	Max	16.589	-4.239E-15	210.775	0.	0.
80	SLU	Min	16.589	-4.239E-15	210.775	0.	0.
80	SLV_DX_D	Max	16.127	-4.121E-15	181.147	0.	0.
80	SLV_DX_D	Min	16.127	-4.121E-15	181.147	0.	0.
80	SLV_SX_D	Max	9.993	-2.554E-15	169.238	0.	0.
80	SLV_SX_D	Min	9.993	-2.554E-15	169.238	0.	0.
80	SLV_DX_U	Max	14.131	-3.611E-15	133.896	0.	0.
80	SLV_DX_U	Min	14.131	-3.611E-15	133.896	0.	0.
80	SLV_SX_U	Max	3.777	-9.652E-16	127.926	0.	0.
80	SLV_SX_U	Min	3.777	-9.652E-16	127.926	0.	0.
81	SLE	Max	0.	0.	311.052	0.	0.
81	SLE	Min	0.	0.	311.052	0.	0.
81	SLU	Max	0.	0.	404.368	0.	0.
81	SLU	Min	0.	0.	404.368	0.	0.
81	SLV_DX_D	Max	0.	0.	326.387	0.	0.
81	SLV_DX_D	Min	0.	0.	326.387	0.	0.
81	SLV_SX_D	Max	0.	0.	284.929	0.	0.
81	SLV_SX_D	Min	0.	0.	284.929	0.	0.
81	SLV_DX_U	Max	0.	0.	215.708	0.	0.
81	SLV_DX_U	Min	0.	0.	215.708	0.	0.
81	SLV_SX_U	Max	0.	0.	181.702	0.	0.
81	SLV_SX_U	Min	0.	0.	181.702	0.	0.
82	SLE	Max	17.525	0.	171.714	0.	9.0047
82	SLE	Min	17.525	0.	171.714	0.	9.0047
82	SLU	Max	22.783	0.	223.229	0.	11.7061
82	SLU	Min	22.783	0.	223.229	0.	11.7061
82	SLV_DX_D	Max	40.024	0.	173.598	0.	3.4402
82	SLV_DX_D	Min	40.024	0.	173.598	0.	3.4402
82	SLV_SX_D	Max	0.	0.	131.517	0.	-14.5472
82	SLV_SX_D	Min	0.	0.	131.517	0.	-14.5472
82	SLV_DX_U	Max	53.549	0.	106.205	0.	-5.5058
82	SLV_DX_U	Min	53.549	0.	106.205	0.	-5.5058
82	SLV_SX_U	Max	0.	0.	57.567	0.	-32.1782
82	SLV_SX_U	Min	0.	0.	57.567	0.	-32.1782

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.
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.
3	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.
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.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
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.
6	0.
6	0.
6	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
9	0.
9	0.
9	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
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.
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.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	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.
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.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
45	0.
45	0.
45	0.
45	0.
45	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
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.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
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.
51	0.
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.
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.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
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.
56	0.
56	0.
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.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
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.
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.
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.
63	0.
63	0.
63	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
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.
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.
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.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
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.
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.
70	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
72	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
74	0.
74	0.
74	0.
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.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	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.
78	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
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.
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.

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	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
1	0.	SLE	Max	-823.824	-146.914	-1.770E-14
1	0.22548	SLE	Max	-817.401	-147.771	-1.781E-14
1	0.45096	SLE	Max	-810.977	-148.627	-1.791E-14
1	0.	SLE	Min	-823.824	-146.914	-1.770E-14
1	0.22548	SLE	Min	-817.401	-147.771	-1.781E-14
1	0.45096	SLE	Min	-810.977	-148.627	-1.791E-14
1	0.	SLU	Max	-1070.972	-190.989	-2.301E-14
1	0.22548	SLU	Max	-1062.621	-192.102	-2.315E-14
1	0.45096	SLU	Max	-1054.27	-193.216	-2.328E-14
1	0.	SLU	Min	-1070.972	-190.989	-2.301E-14
1	0.22548	SLU	Min	-1062.621	-192.102	-2.315E-14
1	0.45096	SLU	Min	-1054.27	-193.216	-2.328E-14
1	0.	SLV_DX_D	Max	-984.392	-241.439	-2.909E-14
1	0.22548	SLV_DX_D	Max	-977.41	-243.919	-2.939E-14
1	0.45096	SLV_DX_D	Max	-970.428	-246.399	-2.969E-14
1	0.	SLV_DX_D	Min	-984.392	-241.439	-2.909E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
1	0.22548	SLV_DX_D	Min	-977.41	-243.919	-2.939E-14
1	0.45096	SLV_DX_D	Min	-970.428	-246.399	-2.969E-14
1	0.	SLV_SX_D	Max	-880.854	-254.842	-3.074E-14
1	0.22548	SLV_SX_D	Max	-871.487	-239.435	-2.885E-14
1	0.45096	SLV_SX_D	Max	-862.12	-224.027	-2.696E-14
1	0.	SLV_SX_D	Min	-880.854	-254.842	-3.074E-14
1	0.22548	SLV_SX_D	Min	-871.487	-239.435	-2.885E-14
1	0.45096	SLV_SX_D	Min	-862.12	-224.027	-2.696E-14
1	0.	SLV_DX_U	Max	-796.42	-254.795	-3.070E-14
1	0.22548	SLV_DX_U	Max	-790.96	-257.072	-3.098E-14
1	0.45096	SLV_DX_U	Max	-785.501	-259.35	-3.125E-14
1	0.	SLV_DX_U	Min	-796.42	-254.795	-3.070E-14
1	0.22548	SLV_DX_U	Min	-790.96	-257.072	-3.098E-14
1	0.45096	SLV_DX_U	Min	-785.501	-259.35	-3.125E-14
1	0.	SLV_SX_U	Max	-697.538	-315.883	-3.809E-14
1	0.22548	SLV_SX_U	Max	-689.693	-300.272	-3.618E-14
1	0.45096	SLV_SX_U	Max	-681.849	-284.662	-3.427E-14
1	0.	SLV_SX_U	Min	-697.538	-315.883	-3.809E-14
1	0.22548	SLV_SX_U	Min	-689.693	-300.272	-3.618E-14
1	0.45096	SLV_SX_U	Min	-681.849	-284.662	-3.427E-14
2	0.	SLE	Max	-802.18	-133.197	-1.621E-14
2	0.2255	SLE	Max	-796.294	-133.806	-1.629E-14
2	0.45099	SLE	Max	-790.408	-134.415	-1.636E-14
2	0.	SLE	Min	-802.18	-133.197	-1.621E-14
2	0.2255	SLE	Min	-796.294	-133.806	-1.629E-14
2	0.45099	SLE	Min	-790.408	-134.415	-1.636E-14
2	0.	SLU	Max	-1042.835	-173.156	-2.107E-14
2	0.2255	SLU	Max	-1035.183	-173.948	-2.117E-14
2	0.45099	SLU	Max	-1027.531	-174.739	-2.127E-14
2	0.	SLU	Min	-1042.835	-173.156	-2.107E-14
2	0.2255	SLU	Min	-1035.183	-173.948	-2.117E-14
2	0.45099	SLU	Min	-1027.531	-174.739	-2.127E-14
2	0.	SLV_DX_D	Max	-956.155	-211.218	-2.571E-14
2	0.2255	SLV_DX_D	Max	-949.716	-213.294	-2.596E-14
2	0.45099	SLV_DX_D	Max	-943.277	-215.37	-2.622E-14
2	0.	SLV_DX_D	Min	-956.155	-211.218	-2.571E-14
2	0.2255	SLV_DX_D	Min	-949.716	-213.294	-2.596E-14
2	0.45099	SLV_DX_D	Min	-943.277	-215.37	-2.622E-14
2	0.	SLV_SX_D	Max	-855.144	-249.38	-3.036E-14
2	0.2255	SLV_SX_D	Max	-846.87	-233.717	-2.845E-14
2	0.45099	SLV_SX_D	Max	-838.596	-218.055	-2.653E-14
2	0.	SLV_SX_D	Min	-855.144	-249.38	-3.036E-14
2	0.2255	SLV_SX_D	Min	-846.87	-233.717	-2.845E-14
2	0.45099	SLV_SX_D	Min	-838.596	-218.055	-2.653E-14
2	0.	SLV_DX_U	Max	-770.292	-212.572	-2.587E-14
2	0.2255	SLV_DX_U	Max	-765.247	-214.504	-2.611E-14
2	0.45099	SLV_DX_U	Max	-760.203	-216.435	-2.634E-14
2	0.	SLV_DX_U	Min	-770.292	-212.572	-2.587E-14
2	0.2255	SLV_DX_U	Min	-765.247	-214.504	-2.611E-14
2	0.45099	SLV_DX_U	Min	-760.203	-216.435	-2.634E-14
2	0.	SLV_SX_U	Max	-673.16	-304.64	-3.709E-14
2	0.2255	SLV_SX_U	Max	-666.281	-288.833	-3.515E-14
2	0.45099	SLV_SX_U	Max	-659.402	-273.026	-3.322E-14
2	0.	SLV_SX_U	Min	-673.16	-304.64	-3.709E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
2	0.2255	SLV_SX_U	Min	-666.281	-288.833	-3.515E-14
2	0.45099	SLV_SX_U	Min	-659.402	-273.026	-3.322E-14
3	0.	SLE	Max	-783.115	-116.955	-1.440E-14
3	0.22556	SLE	Max	-777.718	-117.354	-1.445E-14
3	0.45112	SLE	Max	-772.321	-117.752	-1.450E-14
3	0.	SLE	Min	-783.115	-116.955	-1.440E-14
3	0.22556	SLE	Min	-777.718	-117.354	-1.445E-14
3	0.45112	SLE	Min	-772.321	-117.752	-1.450E-14
3	0.	SLU	Max	-1018.05	-152.042	-1.872E-14
3	0.22556	SLU	Max	-1011.034	-152.56	-1.879E-14
3	0.45112	SLU	Max	-1004.017	-153.078	-1.885E-14
3	0.	SLU	Min	-1018.05	-152.042	-1.872E-14
3	0.22556	SLU	Min	-1011.034	-152.56	-1.879E-14
3	0.45112	SLU	Min	-1004.017	-153.078	-1.885E-14
3	0.	SLV_DX_D	Max	-932.161	-183.716	-2.263E-14
3	0.22556	SLV_DX_D	Max	-926.219	-185.441	-2.284E-14
3	0.45112	SLV_DX_D	Max	-920.276	-187.165	-2.305E-14
3	0.	SLV_DX_D	Min	-932.161	-183.716	-2.263E-14
3	0.22556	SLV_DX_D	Min	-926.219	-185.441	-2.284E-14
3	0.45112	SLV_DX_D	Min	-920.276	-187.165	-2.305E-14
3	0.	SLV_SX_D	Max	-831.825	-242.652	-2.987E-14
3	0.22556	SLV_SX_D	Max	-824.585	-226.788	-2.793E-14
3	0.45112	SLV_SX_D	Max	-817.344	-210.924	-2.599E-14
3	0.	SLV_SX_D	Min	-831.825	-242.652	-2.987E-14
3	0.22556	SLV_SX_D	Min	-824.585	-226.788	-2.793E-14
3	0.45112	SLV_SX_D	Min	-817.344	-210.924	-2.599E-14
3	0.	SLV_DX_U	Max	-749.138	-179.434	-2.210E-14
3	0.22556	SLV_DX_U	Max	-744.475	-181.065	-2.230E-14
3	0.45112	SLV_DX_U	Max	-739.811	-182.695	-2.250E-14
3	0.	SLV_DX_U	Min	-749.138	-179.434	-2.210E-14
3	0.22556	SLV_DX_U	Min	-744.475	-181.065	-2.230E-14
3	0.45112	SLV_DX_U	Min	-739.811	-182.695	-2.250E-14
3	0.	SLV_SX_U	Max	-651.09	-292.296	-3.599E-14
3	0.22556	SLV_SX_U	Max	-645.129	-276.337	-3.403E-14
3	0.45112	SLV_SX_U	Max	-639.167	-260.378	-3.208E-14
3	0.	SLV_SX_U	Min	-651.09	-292.296	-3.599E-14
3	0.22556	SLV_SX_U	Min	-645.129	-276.337	-3.403E-14
3	0.45112	SLV_SX_U	Min	-639.167	-260.378	-3.208E-14
4	0.	SLE	Max	-766.777	-100.592	-1.247E-14
4	0.22547	SLE	Max	-761.598	-100.822	-1.249E-14
4	0.45094	SLE	Max	-756.418	-101.052	-1.252E-14
4	0.	SLE	Min	-766.777	-100.592	-1.247E-14
4	0.22547	SLE	Min	-761.598	-100.822	-1.249E-14
4	0.45094	SLE	Min	-756.418	-101.052	-1.252E-14
4	0.	SLU	Max	-996.81	-130.77	-1.621E-14
4	0.22547	SLU	Max	-990.077	-131.069	-1.624E-14
4	0.45094	SLU	Max	-983.344	-131.368	-1.628E-14
4	0.	SLU	Min	-996.81	-130.77	-1.621E-14
4	0.22547	SLU	Min	-990.077	-131.069	-1.624E-14
4	0.45094	SLU	Min	-983.344	-131.368	-1.628E-14
4	0.	SLV_DX_D	Max	-912.042	-160.949	-1.995E-14
4	0.22547	SLV_DX_D	Max	-906.304	-162.434	-2.013E-14
4	0.45094	SLV_DX_D	Max	-900.565	-163.918	-2.031E-14
4	0.	SLV_DX_D	Min	-912.042	-160.949	-1.995E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
4	0.22547	SLV_DX_D	Min	-906.304	-162.434	-2.013E-14
4	0.45094	SLV_DX_D	Min	-900.565	-163.918	-2.031E-14
4	0.	SLV_SX_D	Max	-810.816	-234.773	-2.907E-14
4	0.22547	SLV_SX_D	Max	-804.299	-218.726	-2.711E-14
4	0.45094	SLV_SX_D	Max	-797.782	-202.679	-2.514E-14
4	0.	SLV_SX_D	Min	-810.816	-234.773	-2.907E-14
4	0.22547	SLV_SX_D	Min	-804.299	-218.726	-2.711E-14
4	0.45094	SLV_SX_D	Min	-797.782	-202.679	-2.514E-14
4	0.	SLV_DX_U	Max	-732.017	-156.403	-1.939E-14
4	0.22547	SLV_DX_U	Max	-727.506	-157.833	-1.956E-14
4	0.45094	SLV_DX_U	Max	-722.995	-159.263	-1.974E-14
4	0.	SLV_DX_U	Min	-732.017	-156.403	-1.939E-14
4	0.22547	SLV_DX_U	Min	-727.506	-157.833	-1.956E-14
4	0.45094	SLV_DX_U	Min	-722.995	-159.263	-1.974E-14
4	0.	SLV_SX_U	Max	-631.267	-278.988	-3.455E-14
4	0.22547	SLV_SX_U	Max	-625.977	-262.886	-3.258E-14
4	0.45094	SLV_SX_U	Max	-620.688	-246.784	-3.061E-14
4	0.	SLV_SX_U	Min	-631.267	-278.988	-3.455E-14
4	0.22547	SLV_SX_U	Min	-625.977	-262.886	-3.258E-14
4	0.45094	SLV_SX_U	Min	-620.688	-246.784	-3.061E-14
5	0.	SLE	Max	-752.539	-86.538	-1.076E-14
5	0.22552	SLE	Max	-747.467	-86.612	-1.077E-14
5	0.45105	SLE	Max	-742.395	-86.686	-1.078E-14
5	0.	SLE	Min	-752.539	-86.538	-1.076E-14
5	0.22552	SLE	Min	-747.467	-86.612	-1.077E-14
5	0.45105	SLE	Min	-742.395	-86.686	-1.078E-14
5	0.	SLU	Max	-978.301	-112.499	-1.399E-14
5	0.22552	SLU	Max	-971.707	-112.596	-1.400E-14
5	0.45105	SLU	Max	-965.113	-112.692	-1.401E-14
5	0.	SLU	Min	-978.301	-112.499	-1.399E-14
5	0.22552	SLU	Min	-971.707	-112.596	-1.400E-14
5	0.45105	SLU	Min	-965.113	-112.692	-1.401E-14
5	0.	SLV_DX_D	Max	-894.619	-144.506	-1.797E-14
5	0.22552	SLV_DX_D	Max	-888.964	-145.792	-1.813E-14
5	0.45105	SLV_DX_D	Max	-883.308	-147.077	-1.829E-14
5	0.	SLV_DX_D	Min	-894.619	-144.506	-1.797E-14
5	0.22552	SLV_DX_D	Min	-888.964	-145.792	-1.813E-14
5	0.45105	SLV_DX_D	Min	-883.308	-147.077	-1.829E-14
5	0.	SLV_SX_D	Max	-791.404	-226.306	-2.811E-14
5	0.22552	SLV_SX_D	Max	-785.492	-210.08	-2.613E-14
5	0.45105	SLV_SX_D	Max	-779.58	-193.854	-2.414E-14
5	0.	SLV_SX_D	Min	-791.404	-226.306	-2.811E-14
5	0.22552	SLV_SX_D	Min	-785.492	-210.08	-2.613E-14
5	0.45105	SLV_SX_D	Min	-779.58	-193.854	-2.414E-14
5	0.	SLV_DX_U	Max	-717.401	-143.771	-1.788E-14
5	0.22552	SLV_DX_U	Max	-712.947	-145.038	-1.804E-14
5	0.45105	SLV_DX_U	Max	-708.493	-146.306	-1.819E-14
5	0.	SLV_DX_U	Min	-717.401	-143.771	-1.788E-14
5	0.22552	SLV_DX_U	Min	-712.947	-145.038	-1.804E-14
5	0.45105	SLV_DX_U	Min	-708.493	-146.306	-1.819E-14
5	0.	SLV_SX_U	Max	-613.077	-265.127	-3.294E-14
5	0.22552	SLV_SX_U	Max	-608.367	-248.884	-3.095E-14
5	0.45105	SLV_SX_U	Max	-603.657	-232.64	-2.896E-14
5	0.	SLV_SX_U	Min	-613.077	-265.127	-3.294E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
5	0.22552	SLV_SX_U	Min	-608.367	-248.884	-3.095E-14
5	0.45105	SLV_SX_U	Min	-603.657	-232.64	-2.896E-14
6	0.	SLE	Max	-736.833	-47.837	0.
6	0.24626	SLE	Max	-731.298	-47.639	0.
6	0.49251	SLE	Max	-725.762	-47.441	0.
6	0.	SLE	Min	-736.833	-47.837	0.
6	0.24626	SLE	Min	-731.298	-47.639	0.
6	0.49251	SLE	Min	-725.762	-47.441	0.
6	0.	SLU	Max	-957.883	-62.188	0.
6	0.24626	SLU	Max	-950.687	-61.931	0.
6	0.49251	SLU	Max	-943.49	-61.673	0.
6	0.	SLU	Min	-957.883	-62.188	0.
6	0.24626	SLU	Min	-950.687	-61.931	0.
6	0.49251	SLU	Min	-943.49	-61.673	0.
6	0.	SLV_DX_D	Max	-874.423	-108.284	0.
6	0.24626	SLV_DX_D	Max	-868.184	-109.375	0.
6	0.49251	SLV_DX_D	Max	-861.946	-110.465	0.
6	0.	SLV_DX_D	Min	-874.423	-108.284	0.
6	0.24626	SLV_DX_D	Min	-868.184	-109.375	0.
6	0.49251	SLV_DX_D	Min	-861.946	-110.465	0.
6	0.	SLV_SX_D	Max	-766.991	-191.177	0.
6	0.24626	SLV_SX_D	Max	-761.436	-173.165	0.
6	0.49251	SLV_SX_D	Max	-755.88	-155.154	0.
6	0.	SLV_SX_D	Min	-766.991	-191.177	0.
6	0.24626	SLV_SX_D	Min	-761.436	-173.165	0.
6	0.49251	SLV_SX_D	Min	-755.88	-155.154	0.
6	0.	SLV_DX_U	Max	-700.128	-111.209	0.
6	0.24626	SLV_DX_U	Max	-695.201	-112.346	0.
6	0.49251	SLV_DX_U	Max	-690.275	-113.484	0.
6	0.	SLV_DX_U	Min	-700.128	-111.209	0.
6	0.24626	SLV_DX_U	Min	-695.201	-112.346	0.
6	0.49251	SLV_DX_U	Min	-690.275	-113.484	0.
6	0.	SLV_SX_U	Max	-590.043	-221.08	0.
6	0.24626	SLV_SX_U	Max	-585.799	-203.116	0.
6	0.49251	SLV_SX_U	Max	-581.556	-185.151	0.
6	0.	SLV_SX_U	Min	-590.043	-221.08	0.
6	0.24626	SLV_SX_U	Min	-585.799	-203.116	0.
6	0.49251	SLV_SX_U	Min	-581.556	-185.151	0.
7	0.	SLE	Max	-722.444	-28.581	0.
7	0.24631	SLE	Max	-716.935	-27.99	0.
7	0.49262	SLE	Max	-711.426	-27.398	0.
7	0.	SLE	Min	-722.444	-28.581	0.
7	0.24631	SLE	Min	-716.935	-27.99	0.
7	0.49262	SLE	Min	-711.426	-27.398	0.
7	0.	SLU	Max	-939.177	-37.156	0.
7	0.24631	SLU	Max	-932.016	-36.387	0.
7	0.49262	SLU	Max	-924.854	-35.618	0.
7	0.	SLU	Min	-939.177	-37.156	0.
7	0.24631	SLU	Min	-932.016	-36.387	0.
7	0.49262	SLU	Min	-924.854	-35.618	0.
7	0.	SLV_DX_D	Max	-853.891	-94.017	0.
7	0.24631	SLV_DX_D	Max	-847.589	-94.66	0.
7	0.49262	SLV_DX_D	Max	-841.287	-95.304	0.
7	0.	SLV_DX_D	Min	-853.891	-94.017	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
7	0.24631	SLV_DX_D	Min	-847.589	-94.66	0.
7	0.49262	SLV_DX_D	Min	-841.287	-95.304	0.
7	0.	SLV_SX_D	Max	-740.864	-168.749	0.
7	0.24631	SLV_SX_D	Max	-736.595	-150.467	0.
7	0.49262	SLV_SX_D	Max	-732.325	-132.186	0.
7	0.	SLV_SX_D	Min	-740.864	-168.749	0.
7	0.24631	SLV_SX_D	Min	-736.595	-150.467	0.
7	0.49262	SLV_SX_D	Min	-732.325	-132.186	0.
7	0.	SLV_DX_U	Max	-682.198	-99.55	0.
7	0.24631	SLV_DX_U	Max	-677.202	-100.334	0.
7	0.49262	SLV_DX_U	Max	-672.206	-101.119	0.
7	0.	SLV_DX_U	Min	-682.198	-99.55	0.
7	0.24631	SLV_DX_U	Min	-677.202	-100.334	0.
7	0.49262	SLV_DX_U	Min	-672.206	-101.119	0.
7	0.	SLV_SX_U	Max	-566.173	-186.405	0.
7	0.24631	SLV_SX_U	Max	-563.209	-168.263	0.
7	0.49262	SLV_SX_U	Max	-560.245	-150.122	0.
7	0.	SLV_SX_U	Min	-566.173	-186.405	0.
7	0.24631	SLV_SX_U	Min	-563.209	-168.263	0.
7	0.49262	SLV_SX_U	Min	-560.245	-150.122	0.
8	0.	SLE	Max	-708.325	-14.697	0.
8	0.24627	SLE	Max	-702.874	-13.713	0.
8	0.49253	SLE	Max	-697.423	-12.729	0.
8	0.	SLE	Min	-708.325	-14.697	0.
8	0.24627	SLE	Min	-702.874	-13.713	0.
8	0.49253	SLE	Min	-697.423	-12.729	0.
8	0.	SLU	Max	-920.823	-19.106	0.
8	0.24627	SLU	Max	-913.736	-17.827	0.
8	0.49253	SLU	Max	-906.649	-16.548	0.
8	0.	SLU	Min	-920.823	-19.106	0.
8	0.24627	SLU	Min	-913.736	-17.827	0.
8	0.49253	SLU	Min	-906.649	-16.548	0.
8	0.	SLV_DX_D	Max	-833.632	-81.105	0.
8	0.24627	SLV_DX_D	Max	-827.302	-81.296	0.
8	0.49253	SLV_DX_D	Max	-820.971	-81.487	0.
8	0.	SLV_DX_D	Min	-833.632	-81.105	0.
8	0.24627	SLV_DX_D	Min	-827.302	-81.296	0.
8	0.49253	SLV_DX_D	Min	-820.971	-81.487	0.
8	0.	SLV_SX_D	Max	-715.863	-145.808	0.
8	0.24627	SLV_SX_D	Max	-712.884	-127.436	0.
8	0.49253	SLV_SX_D	Max	-709.904	-109.064	0.
8	0.	SLV_SX_D	Min	-715.863	-145.808	0.
8	0.24627	SLV_SX_D	Min	-712.884	-127.436	0.
8	0.49253	SLV_SX_D	Min	-709.904	-109.064	0.
8	0.	SLV_DX_U	Max	-664.445	-89.65	0.
8	0.24627	SLV_DX_U	Max	-659.406	-90.074	0.
8	0.49253	SLV_DX_U	Max	-654.368	-90.499	0.
8	0.	SLV_DX_U	Min	-664.445	-89.65	0.
8	0.24627	SLV_DX_U	Min	-659.406	-90.074	0.
8	0.49253	SLV_DX_U	Min	-654.368	-90.499	0.
8	0.	SLV_SX_U	Max	-545.417	-151.831	0.
8	0.24627	SLV_SX_U	Max	-543.729	-133.693	0.
8	0.49253	SLV_SX_U	Max	-542.042	-115.554	0.
8	0.	SLV_SX_U	Min	-545.417	-151.831	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
8	0.24627	SLV_SX_U	Min	-543.729	-133.693	0.
8	0.49253	SLV_SX_U	Min	-542.042	-115.554	0.
9	0.	SLE	Max	-693.948	-5.024	0.
9	0.2463	SLE	Max	-688.58	-3.654	0.
9	0.4926	SLE	Max	-683.212	-2.285	0.
9	0.	SLE	Min	-693.948	-5.024	0.
9	0.2463	SLE	Min	-688.58	-3.654	0.
9	0.4926	SLE	Min	-683.212	-2.285	0.
9	0.	SLU	Max	-902.133	-6.532	0.
9	0.2463	SLU	Max	-895.154	-4.751	0.
9	0.4926	SLU	Max	-888.176	-2.97	0.
9	0.	SLU	Min	-902.133	-6.532	0.
9	0.2463	SLU	Min	-895.154	-4.751	0.
9	0.4926	SLU	Min	-888.176	-2.97	0.
9	0.	SLV_DX_D	Max	-815.124	-64.128	0.
9	0.2463	SLV_DX_D	Max	-808.795	-63.868	0.
9	0.4926	SLV_DX_D	Max	-802.466	-63.608	0.
9	0.	SLV_DX_D	Min	-815.124	-64.128	0.
9	0.2463	SLV_DX_D	Min	-808.795	-63.868	0.
9	0.4926	SLV_DX_D	Min	-802.466	-63.608	0.
9	0.	SLV_SX_D	Max	-692.633	-121.909	0.
9	0.2463	SLV_SX_D	Max	-690.907	-103.611	0.
9	0.4926	SLV_SX_D	Max	-689.181	-85.314	0.
9	0.	SLV_SX_D	Min	-692.633	-121.909	0.
9	0.2463	SLV_SX_D	Min	-690.907	-103.611	0.
9	0.4926	SLV_SX_D	Min	-689.181	-85.314	0.
9	0.	SLV_DX_U	Max	-648.562	-74.565	0.
9	0.2463	SLV_DX_U	Max	-643.505	-74.63	0.
9	0.4926	SLV_DX_U	Max	-638.449	-74.694	0.
9	0.	SLV_DX_U	Min	-648.562	-74.565	0.
9	0.2463	SLV_DX_U	Min	-643.505	-74.63	0.
9	0.4926	SLV_DX_U	Min	-638.449	-74.694	0.
9	0.	SLV_SX_U	Max	-528.167	-117.307	0.
9	0.2463	SLV_SX_U	Max	-527.713	-99.335	0.
9	0.4926	SLV_SX_U	Max	-527.259	-81.362	0.
9	0.	SLV_SX_U	Min	-528.167	-117.307	0.
9	0.2463	SLV_SX_U	Min	-527.713	-99.335	0.
9	0.4926	SLV_SX_U	Min	-527.259	-81.362	0.
10	0.	SLE	Max	-678.952	0.863	0.
10	0.24625	SLE	Max	-673.697	2.612	0.
10	0.49249	SLE	Max	-668.441	4.361	0.
10	0.	SLE	Min	-678.952	0.863	0.
10	0.24625	SLE	Min	-673.697	2.612	0.
10	0.49249	SLE	Min	-668.441	4.361	0.
10	0.	SLU	Max	-882.638	1.122	0.
10	0.24625	SLU	Max	-875.806	3.396	0.
10	0.49249	SLU	Max	-868.974	5.669	0.
10	0.	SLU	Min	-882.638	1.122	0.
10	0.24625	SLU	Min	-875.806	3.396	0.
10	0.49249	SLU	Min	-868.974	5.669	0.
10	0.	SLV_DX_D	Max	-801.328	-38.387	0.
10	0.24625	SLV_DX_D	Max	-795.035	-37.676	0.
10	0.49249	SLV_DX_D	Max	-788.742	-36.966	0.
10	0.	SLV_DX_D	Min	-801.328	-38.387	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
10	0.24625	SLV_DX_D	Min	-795.035	-37.676	0.
10	0.49249	SLV_DX_D	Min	-788.742	-36.966	0.
10	0.	SLV_SX_D	Max	-671.596	-97.596	0.
10	0.24625	SLV_SX_D	Max	-671.075	-79.54	0.
10	0.49249	SLV_SX_D	Max	-670.554	-61.485	0.
10	0.	SLV_SX_D	Min	-671.596	-97.596	0.
10	0.24625	SLV_SX_D	Min	-671.075	-79.54	0.
10	0.49249	SLV_SX_D	Min	-670.554	-61.485	0.
10	0.	SLV_DX_U	Max	-638.209	-47.896	0.
10	0.24625	SLV_DX_U	Max	-633.162	-47.6	0.
10	0.49249	SLV_DX_U	Max	-628.115	-47.304	0.
10	0.	SLV_DX_U	Min	-638.209	-47.896	0.
10	0.24625	SLV_DX_U	Min	-633.162	-47.6	0.
10	0.49249	SLV_DX_U	Min	-628.115	-47.304	0.
10	0.	SLV_SX_U	Max	-514.555	-83.498	0.
10	0.24625	SLV_SX_U	Max	-515.279	-65.857	0.
10	0.49249	SLV_SX_U	Max	-516.004	-48.216	0.
10	0.	SLV_SX_U	Min	-514.555	-83.498	0.
10	0.24625	SLV_SX_U	Min	-515.279	-65.857	0.
10	0.49249	SLV_SX_U	Min	-516.004	-48.216	0.
11	0.	SLE	Max	-663.157	3.808	0.
11	0.2463	SLE	Max	-658.039	5.928	0.
11	0.49259	SLE	Max	-652.92	8.048	0.
11	0.	SLE	Min	-663.157	3.808	0.
11	0.2463	SLE	Min	-658.039	5.928	0.
11	0.49259	SLE	Min	-652.92	8.048	0.
11	0.	SLU	Max	-862.104	4.951	0.
11	0.2463	SLU	Max	-855.45	7.707	0.
11	0.49259	SLU	Max	-848.797	10.463	0.
11	0.	SLU	Min	-862.104	4.951	0.
11	0.2463	SLU	Min	-855.45	7.707	0.
11	0.49259	SLU	Min	-848.797	10.463	0.
11	0.	SLV_DX_D	Max	-796.905	1.031	0.
11	0.2463	SLV_DX_D	Max	-790.678	2.189	0.
11	0.49259	SLV_DX_D	Max	-784.45	3.347	0.
11	0.	SLV_DX_D	Min	-796.905	1.031	0.
11	0.2463	SLV_DX_D	Min	-790.678	2.189	0.
11	0.49259	SLV_DX_D	Min	-784.45	3.347	0.
11	0.	SLV_SX_D	Max	-653.191	-73.118	0.
11	0.2463	SLV_SX_D	Max	-653.802	-55.448	0.
11	0.49259	SLV_SX_D	Max	-654.414	-37.779	0.
11	0.	SLV_SX_D	Min	-653.191	-73.118	0.
11	0.2463	SLV_SX_D	Min	-653.802	-55.448	0.
11	0.49259	SLV_SX_D	Min	-654.414	-37.779	0.
11	0.	SLV_DX_U	Max	-639.247	-3.258	0.
11	0.2463	SLV_DX_U	Max	-634.233	-2.602	0.
11	0.49259	SLV_DX_U	Max	-629.219	-1.947	0.
11	0.	SLV_DX_U	Min	-639.247	-3.258	0.
11	0.2463	SLV_DX_U	Min	-634.233	-2.602	0.
11	0.49259	SLV_DX_U	Min	-629.219	-1.947	0.
11	0.	SLV_SX_U	Max	-504.722	-50.814	0.
11	0.2463	SLV_SX_U	Max	-506.546	-33.646	0.
11	0.49259	SLV_SX_U	Max	-508.371	-16.479	0.
11	0.	SLV_SX_U	Min	-504.722	-50.814	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
11	0.2463	SLV_SX_U	Min	-506.546	-33.646	0.
11	0.49259	SLV_SX_U	Min	-508.371	-16.479	0.
12	0.	SLE	Max	-646.517	4.521	0.
12	0.24626	SLE	Max	-641.564	7.001	0.
12	0.49252	SLE	Max	-636.611	9.481	0.
12	0.	SLE	Min	-646.517	4.521	0.
12	0.24626	SLE	Min	-641.564	7.001	0.
12	0.49252	SLE	Min	-636.611	9.481	0.
12	0.	SLU	Max	-840.472	5.878	0.
12	0.24626	SLU	Max	-834.033	9.101	0.
12	0.49252	SLU	Max	-827.594	12.325	0.
12	0.	SLU	Min	-840.472	5.878	0.
12	0.24626	SLU	Min	-834.033	9.101	0.
12	0.49252	SLU	Min	-827.594	12.325	0.
12	0.	SLV_DX_D	Max	-808.029	58.03	0.
12	0.24626	SLV_DX_D	Max	-801.902	59.63	0.
12	0.49252	SLV_DX_D	Max	-795.774	61.23	0.
12	0.	SLV_DX_D	Min	-808.029	58.03	0.
12	0.24626	SLV_DX_D	Min	-801.902	59.63	0.
12	0.49252	SLV_DX_D	Min	-795.774	61.23	0.
12	0.	SLV_SX_D	Max	-637.769	-48.833	0.
12	0.24626	SLV_SX_D	Max	-639.422	-31.693	0.
12	0.49252	SLV_SX_D	Max	-641.075	-14.553	0.
12	0.	SLV_SX_D	Min	-637.769	-48.833	0.
12	0.24626	SLV_SX_D	Min	-639.422	-31.693	0.
12	0.49252	SLV_SX_D	Min	-641.075	-14.553	0.
12	0.	SLV_DX_U	Max	-659.518	64.487	0.
12	0.24626	SLV_DX_U	Max	-654.564	65.499	0.
12	0.49252	SLV_DX_U	Max	-649.61	66.511	0.
12	0.	SLV_DX_U	Min	-659.518	64.487	0.
12	0.24626	SLV_DX_U	Min	-654.564	65.499	0.
12	0.49252	SLV_DX_U	Min	-649.61	66.511	0.
12	0.	SLV_SX_U	Max	-498.721	-19.707	0.
12	0.24626	SLV_SX_U	Max	-501.548	-3.154	0.
12	0.49252	SLV_SX_U	Max	-504.375	13.398	0.
12	0.	SLV_SX_U	Min	-498.721	-19.707	0.
12	0.24626	SLV_SX_U	Min	-501.548	-3.154	0.
12	0.49252	SLV_SX_U	Min	-504.375	13.398	0.
13	0.	SLE	Max	-629.084	3.68	0.
13	0.24629	SLE	Max	-624.32	6.508	0.
13	0.49258	SLE	Max	-619.556	9.335	0.
13	0.	SLE	Min	-629.084	3.68	0.
13	0.24629	SLE	Min	-624.32	6.508	0.
13	0.49258	SLE	Min	-619.556	9.335	0.
13	0.	SLU	Max	-817.809	4.784	0.
13	0.24629	SLU	Max	-811.616	8.46	0.
13	0.49258	SLU	Max	-805.423	12.135	0.
13	0.	SLU	Min	-817.809	4.784	0.
13	0.24629	SLU	Min	-811.616	8.46	0.
13	0.49258	SLU	Min	-805.423	12.135	0.
13	0.	SLV_DX_D	Max	-841.972	134.937	0.
13	0.24629	SLV_DX_D	Max	-835.973	136.97	0.
13	0.49258	SLV_DX_D	Max	-829.975	139.004	0.
13	0.	SLV_DX_D	Min	-841.972	134.937	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
13	0.24629	SLV_DX_D	Min	-835.973	136.97	0.
13	0.49258	SLV_DX_D	Min	-829.975	139.004	0.
13	0.	SLV_SX_D	Max	-625.593	-25.095	0.
13	0.24629	SLV_SX_D	Max	-628.177	-8.6	0.
13	0.49258	SLV_SX_D	Max	-630.76	7.895	0.
13	0.	SLV_SX_D	Min	-625.593	-25.095	0.
13	0.24629	SLV_SX_D	Min	-628.177	-8.6	0.
13	0.49258	SLV_SX_D	Min	-630.76	7.895	0.
13	0.	SLV_DX_U	Max	-708.339	158.461	0.
13	0.24629	SLV_DX_U	Max	-703.469	159.825	0.
13	0.49258	SLV_DX_U	Max	-698.6	161.188	0.
13	0.	SLV_DX_U	Min	-708.339	158.461	0.
13	0.24629	SLV_DX_U	Min	-703.469	159.825	0.
13	0.49258	SLV_DX_U	Min	-698.6	161.188	0.
13	0.	SLV_SX_U	Max	-496.513	9.408	0.
13	0.24629	SLV_SX_U	Max	-500.226	25.232	0.
13	0.49258	SLV_SX_U	Max	-503.939	41.057	0.
13	0.	SLV_SX_U	Min	-496.513	9.408	0.
13	0.24629	SLV_SX_U	Min	-500.226	25.232	0.
13	0.49258	SLV_SX_U	Min	-503.939	41.057	0.
14	0.	SLE	Max	-609.668	-0.065	0.
14	0.24628	SLE	Max	-605.117	3.094	0.
14	0.49255	SLE	Max	-600.567	6.253	0.
14	0.	SLE	Min	-609.668	-0.065	0.
14	0.24628	SLE	Min	-605.117	3.094	0.
14	0.49255	SLE	Min	-600.567	6.253	0.
14	0.	SLU	Max	-792.568	-0.085	0.
14	0.24628	SLU	Max	-786.652	4.022	0.
14	0.49255	SLU	Max	-780.737	8.129	0.
14	0.	SLU	Min	-792.568	-0.085	0.
14	0.24628	SLU	Min	-786.652	4.022	0.
14	0.49255	SLU	Min	-780.737	8.129	0.
14	0.	SLV_DX_D	Max	-865.604	172.978	0.
14	0.24628	SLV_DX_D	Max	-859.766	175.433	0.
14	0.49255	SLV_DX_D	Max	-853.928	177.888	0.
14	0.	SLV_DX_D	Min	-865.604	172.978	0.
14	0.24628	SLV_DX_D	Min	-859.766	175.433	0.
14	0.49255	SLV_DX_D	Min	-853.928	177.888	0.
14	0.	SLV_SX_D	Max	-616.806	-2.319	0.
14	0.24628	SLV_SX_D	Max	-620.195	13.427	0.
14	0.49255	SLV_SX_D	Max	-623.584	29.173	0.
14	0.	SLV_SX_D	Min	-616.806	-2.319	0.
14	0.24628	SLV_SX_D	Min	-620.195	13.427	0.
14	0.49255	SLV_SX_D	Min	-623.584	29.173	0.
14	0.	SLV_DX_U	Max	-748.144	210.449	0.
14	0.24628	SLV_DX_U	Max	-743.384	212.155	0.
14	0.49255	SLV_DX_U	Max	-738.624	213.862	0.
14	0.	SLV_DX_U	Min	-748.144	210.449	0.
14	0.24628	SLV_DX_U	Min	-743.384	212.155	0.
14	0.49255	SLV_DX_U	Min	-738.624	213.862	0.
14	0.	SLV_SX_U	Max	-497.96	36.114	0.
14	0.24628	SLV_SX_U	Max	-502.427	51.111	0.
14	0.49255	SLV_SX_U	Max	-506.895	66.108	0.
14	0.	SLV_SX_U	Min	-497.96	36.114	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
14	0.24628	SLV_SX_U	Min	-502.427	51.111	0.
14	0.49255	SLV_SX_U	Min	-506.895	66.108	0.
15	0.	SLE	Max	-589.423	-4.474	0.
15	0.24625	SLE	Max	-585.11	-0.999	0.
15	0.4925	SLE	Max	-580.797	2.476	0.
15	0.	SLE	Min	-589.423	-4.474	0.
15	0.24625	SLE	Min	-585.11	-0.999	0.
15	0.4925	SLE	Min	-580.797	2.476	0.
15	0.	SLU	Max	-766.25	-5.817	0.
15	0.24625	SLU	Max	-760.643	-1.299	0.
15	0.4925	SLU	Max	-755.036	3.219	0.
15	0.	SLU	Min	-766.25	-5.817	0.
15	0.24625	SLU	Min	-760.643	-1.299	0.
15	0.4925	SLU	Min	-755.036	3.219	0.
15	0.	SLV_DX_D	Max	-851.795	150.739	0.
15	0.24625	SLV_DX_D	Max	-846.147	153.604	0.
15	0.4925	SLV_DX_D	Max	-840.499	156.469	0.
15	0.	SLV_DX_D	Min	-851.795	150.739	0.
15	0.24625	SLV_DX_D	Min	-846.147	153.604	0.
15	0.4925	SLV_DX_D	Min	-840.499	156.469	0.
15	0.	SLV_SX_D	Max	-611.434	18.826	0.
15	0.24625	SLV_SX_D	Max	-615.494	33.739	0.
15	0.4925	SLV_SX_D	Max	-619.554	48.653	0.
15	0.	SLV_SX_D	Min	-611.434	18.826	0.
15	0.24625	SLV_SX_D	Min	-615.494	33.739	0.
15	0.4925	SLV_SX_D	Min	-619.554	48.653	0.
15	0.	SLV_DX_U	Max	-744.514	190.682	0.
15	0.24625	SLV_DX_U	Max	-739.888	192.723	0.
15	0.4925	SLV_DX_U	Max	-735.262	194.764	0.
15	0.	SLV_DX_U	Min	-744.514	190.682	0.
15	0.24625	SLV_DX_U	Min	-739.888	192.723	0.
15	0.4925	SLV_DX_U	Min	-735.262	194.764	0.
15	0.	SLV_SX_U	Max	-502.839	59.827	0.
15	0.24625	SLV_SX_U	Max	-507.921	73.916	0.
15	0.4925	SLV_SX_U	Max	-513.003	88.006	0.
15	0.	SLV_SX_U	Min	-502.839	59.827	0.
15	0.24625	SLV_SX_U	Min	-507.921	73.916	0.
15	0.4925	SLV_SX_U	Min	-513.003	88.006	0.
16	0.	SLE	Max	-569.885	-7.758	0.
16	0.2463	SLE	Max	-565.831	-3.983	0.
16	0.4926	SLE	Max	-561.777	-0.207	0.
16	0.	SLE	Min	-569.885	-7.758	0.
16	0.2463	SLE	Min	-565.831	-3.983	0.
16	0.4926	SLE	Min	-561.777	-0.207	0.
16	0.	SLU	Max	-740.851	-10.086	0.
16	0.2463	SLU	Max	-735.58	-5.178	0.
16	0.4926	SLU	Max	-730.309	-0.269	0.
16	0.	SLU	Min	-740.851	-10.086	0.
16	0.2463	SLU	Min	-735.58	-5.178	0.
16	0.4926	SLU	Min	-730.309	-0.269	0.
16	0.	SLV_DX_D	Max	-837.475	129.562	0.
16	0.2463	SLV_DX_D	Max	-832.045	132.824	0.
16	0.4926	SLV_DX_D	Max	-826.615	136.086	0.
16	0.	SLV_DX_D	Min	-837.475	129.562	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
16	0.2463	SLV_DX_D	Min	-832.045	132.824	0.
16	0.4926	SLV_DX_D	Min	-826.615	136.086	0.
16	0.	SLV_SX_D	Max	-609.386	37.819	0.
16	0.2463	SLV_SX_D	Max	-613.976	51.841	0.
16	0.4926	SLV_SX_D	Max	-618.566	65.863	0.
16	0.	SLV_SX_D	Min	-609.386	37.819	0.
16	0.2463	SLV_SX_D	Min	-613.976	51.841	0.
16	0.4926	SLV_SX_D	Min	-618.566	65.863	0.
16	0.	SLV_DX_U	Max	-740.164	170.703	0.
16	0.2463	SLV_DX_U	Max	-735.695	173.07	0.
16	0.4926	SLV_DX_U	Max	-731.226	175.438	0.
16	0.	SLV_DX_U	Min	-740.164	170.703	0.
16	0.2463	SLV_DX_U	Min	-735.695	173.07	0.
16	0.4926	SLV_DX_U	Min	-731.226	175.438	0.
16	0.	SLV_SX_U	Max	-510.84	80.11	0.
16	0.2463	SLV_SX_U	Max	-516.391	93.237	0.
16	0.4926	SLV_SX_U	Max	-521.942	106.364	0.
16	0.	SLV_SX_U	Min	-510.84	80.11	0.
16	0.2463	SLV_SX_U	Min	-516.391	93.237	0.
16	0.4926	SLV_SX_U	Min	-521.942	106.364	0.
17	0.	SLE	Max	-551.386	-9.754	0.
17	0.2463	SLE	Max	-547.611	-5.7	0.
17	0.4926	SLE	Max	-543.835	-1.645	0.
17	0.	SLE	Min	-551.386	-9.754	0.
17	0.2463	SLE	Min	-547.611	-5.7	0.
17	0.4926	SLE	Min	-543.835	-1.645	0.
17	0.	SLU	Max	-716.802	-12.68	0.
17	0.2463	SLU	Max	-711.894	-7.409	0.
17	0.4926	SLU	Max	-706.986	-2.139	0.
17	0.	SLU	Min	-716.802	-12.68	0.
17	0.2463	SLU	Min	-711.894	-7.409	0.
17	0.4926	SLU	Min	-706.986	-2.139	0.
17	0.	SLV_DX_D	Max	-822.961	109.809	0.
17	0.2463	SLV_DX_D	Max	-817.777	113.449	0.
17	0.4926	SLV_DX_D	Max	-812.593	117.089	0.
17	0.	SLV_DX_D	Min	-822.961	109.809	0.
17	0.2463	SLV_DX_D	Min	-817.777	113.449	0.
17	0.4926	SLV_DX_D	Min	-812.593	117.089	0.
17	0.	SLV_SX_D	Max	-610.442	54.568	0.
17	0.2463	SLV_SX_D	Max	-615.41	67.662	0.
17	0.4926	SLV_SX_D	Max	-620.379	80.755	0.
17	0.	SLV_SX_D	Min	-610.442	54.568	0.
17	0.2463	SLV_SX_D	Min	-615.41	67.662	0.
17	0.4926	SLV_SX_D	Min	-620.379	80.755	0.
17	0.	SLV_DX_U	Max	-735.195	150.929	0.
17	0.2463	SLV_DX_U	Max	-730.906	153.608	0.
17	0.4926	SLV_DX_U	Max	-726.617	156.287	0.
17	0.	SLV_DX_U	Min	-735.195	150.929	0.
17	0.2463	SLV_DX_U	Min	-730.906	153.608	0.
17	0.4926	SLV_DX_U	Min	-726.617	156.287	0.
17	0.	SLV_SX_U	Max	-521.527	96.922	0.
17	0.2463	SLV_SX_U	Max	-527.389	109.055	0.
17	0.4926	SLV_SX_U	Max	-533.252	121.188	0.
17	0.	SLV_SX_U	Min	-521.527	96.922	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
17	0.2463	SLV_SX_U	Min	-527.389	109.055	0.
17	0.4926	SLV_SX_U	Min	-533.252	121.188	0.
18	0.	SLE	Max	-534.184	-11.038	0.
18	0.24625	SLE	Max	-530.709	-6.725	0.
18	0.4925	SLE	Max	-527.234	-2.412	0.
18	0.	SLE	Min	-534.184	-11.038	0.
18	0.24625	SLE	Min	-530.709	-6.725	0.
18	0.4925	SLE	Min	-527.234	-2.412	0.
18	0.	SLU	Max	-694.44	-14.349	0.
18	0.24625	SLU	Max	-689.922	-8.742	0.
18	0.4925	SLU	Max	-685.404	-3.135	0.
18	0.	SLU	Min	-694.44	-14.349	0.
18	0.24625	SLU	Min	-689.922	-8.742	0.
18	0.4925	SLU	Min	-685.404	-3.135	0.
18	0.	SLV_DX_D	Max	-808.657	90.766	0.
18	0.24625	SLV_DX_D	Max	-803.748	94.767	0.
18	0.4925	SLV_DX_D	Max	-798.839	98.767	0.
18	0.	SLV_DX_D	Min	-808.657	90.766	0.
18	0.24625	SLV_DX_D	Min	-803.748	94.767	0.
18	0.4925	SLV_DX_D	Min	-798.839	98.767	0.
18	0.	SLV_SX_D	Max	-614.337	68.268	0.
18	0.24625	SLV_SX_D	Max	-619.532	80.411	0.
18	0.4925	SLV_SX_D	Max	-624.728	92.553	0.
18	0.	SLV_SX_D	Min	-614.337	68.268	0.
18	0.24625	SLV_SX_D	Min	-619.532	80.411	0.
18	0.4925	SLV_SX_D	Min	-624.728	92.553	0.
18	0.	SLV_DX_U	Max	-729.877	130.831	0.
18	0.24625	SLV_DX_U	Max	-725.792	133.809	0.
18	0.4925	SLV_DX_U	Max	-721.706	136.787	0.
18	0.	SLV_DX_U	Min	-729.877	130.831	0.
18	0.24625	SLV_DX_U	Min	-725.792	133.809	0.
18	0.4925	SLV_DX_U	Min	-721.706	136.787	0.
18	0.	SLV_SX_U	Max	-534.498	109.647	0.
18	0.24625	SLV_SX_U	Max	-540.518	120.767	0.
18	0.4925	SLV_SX_U	Max	-546.537	131.887	0.
18	0.	SLV_SX_U	Min	-534.498	109.647	0.
18	0.24625	SLV_SX_U	Min	-540.518	120.767	0.
18	0.4925	SLV_SX_U	Min	-546.537	131.887	0.
19	0.	SLE	Max	-518.48	-11.494	0.
19	0.24628	SLE	Max	-515.32	-6.943	0.
19	0.49255	SLE	Max	-512.161	-2.393	0.
19	0.	SLE	Min	-518.48	-11.494	0.
19	0.24628	SLE	Min	-515.32	-6.943	0.
19	0.49255	SLE	Min	-512.161	-2.393	0.
19	0.	SLU	Max	-674.024	-14.942	0.
19	0.24628	SLU	Max	-669.917	-9.026	0.
19	0.49255	SLU	Max	-665.81	-3.111	0.
19	0.	SLU	Min	-674.024	-14.942	0.
19	0.24628	SLU	Min	-669.917	-9.026	0.
19	0.49255	SLU	Min	-665.81	-3.111	0.
19	0.	SLV_DX_D	Max	-794.746	72.743	0.
19	0.24628	SLV_DX_D	Max	-790.134	77.084	0.
19	0.49255	SLV_DX_D	Max	-785.522	81.425	0.
19	0.	SLV_DX_D	Min	-794.746	72.743	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
19	0.24628	SLV_DX_D	Min	-790.134	77.084	0.
19	0.49255	SLV_DX_D	Min	-785.522	81.425	0.
19	0.	SLV_SX_D	Max	-620.635	78.96	0.
19	0.24628	SLV_SX_D	Max	-625.91	90.165	0.
19	0.49255	SLV_SX_D	Max	-631.185	101.37	0.
19	0.	SLV_SX_D	Min	-620.635	78.96	0.
19	0.24628	SLV_SX_D	Min	-625.91	90.165	0.
19	0.49255	SLV_SX_D	Min	-631.185	101.37	0.
19	0.	SLV_DX_U	Max	-724.243	110.804	0.
19	0.24628	SLV_DX_U	Max	-720.38	114.067	0.
19	0.49255	SLV_DX_U	Max	-716.517	117.329	0.
19	0.	SLV_DX_U	Min	-724.243	110.804	0.
19	0.24628	SLV_DX_U	Min	-720.38	114.067	0.
19	0.49255	SLV_DX_U	Min	-716.517	117.329	0.
19	0.	SLV_SX_U	Max	-549.171	118.406	0.
19	0.24628	SLV_SX_U	Max	-555.194	128.533	0.
19	0.49255	SLV_SX_U	Max	-561.218	138.659	0.
19	0.	SLV_SX_U	Min	-549.171	118.406	0.
19	0.24628	SLV_SX_U	Min	-555.194	128.533	0.
19	0.49255	SLV_SX_U	Min	-561.218	138.659	0.
20	0.	SLE	Max	-504.407	-11.351	0.
20	0.24629	SLE	Max	-501.58	-6.586	0.
20	0.49258	SLE	Max	-498.752	-1.822	0.
20	0.	SLE	Min	-504.407	-11.351	0.
20	0.24629	SLE	Min	-501.58	-6.586	0.
20	0.49258	SLE	Min	-498.752	-1.822	0.
20	0.	SLU	Max	-655.729	-14.756	0.
20	0.24629	SLU	Max	-652.054	-8.562	0.
20	0.49258	SLU	Max	-648.378	-2.369	0.
20	0.	SLU	Min	-655.729	-14.756	0.
20	0.24629	SLU	Min	-652.054	-8.562	0.
20	0.49258	SLU	Min	-648.378	-2.369	0.
20	0.	SLV_DX_D	Max	-781.417	55.53	0.
20	0.24629	SLV_DX_D	Max	-777.126	60.189	0.
20	0.49258	SLV_DX_D	Max	-772.834	64.847	0.
20	0.	SLV_DX_D	Min	-781.417	55.53	0.
20	0.24629	SLV_DX_D	Min	-777.126	60.189	0.
20	0.49258	SLV_DX_D	Min	-772.834	64.847	0.
20	0.	SLV_SX_D	Max	-628.892	86.412	0.
20	0.24629	SLV_SX_D	Max	-634.101	96.709	0.
20	0.49258	SLV_SX_D	Max	-639.31	107.006	0.
20	0.	SLV_SX_D	Min	-628.892	86.412	0.
20	0.24629	SLV_SX_D	Min	-634.101	96.709	0.
20	0.49258	SLV_SX_D	Min	-639.31	107.006	0.
20	0.	SLV_DX_U	Max	-718.392	90.782	0.
20	0.24629	SLV_DX_U	Max	-714.77	94.312	0.
20	0.49258	SLV_DX_U	Max	-711.149	97.841	0.
20	0.	SLV_DX_U	Min	-718.392	90.782	0.
20	0.24629	SLV_DX_U	Min	-714.77	94.312	0.
20	0.49258	SLV_DX_U	Min	-711.149	97.841	0.
20	0.	SLV_SX_U	Max	-565.005	123.115	0.
20	0.24629	SLV_SX_U	Max	-570.884	132.283	0.
20	0.49258	SLV_SX_U	Max	-576.763	141.45	0.
20	0.	SLV_SX_U	Min	-565.005	123.115	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
20	0.24629	SLV_SX_U	Min	-570.884	132.283	0.
20	0.49258	SLV_SX_U	Min	-576.763	141.45	0.
21	0.	SLE	Max	-492.047	-10.918	0.
21	0.24626	SLE	Max	-489.567	-5.965	0.
21	0.49252	SLE	Max	-487.087	-1.012	0.
21	0.	SLE	Min	-492.047	-10.918	0.
21	0.24626	SLE	Min	-489.567	-5.965	0.
21	0.49252	SLE	Min	-487.087	-1.012	0.
21	0.	SLU	Max	-639.661	-14.193	0.
21	0.24626	SLU	Max	-636.437	-7.754	0.
21	0.49252	SLU	Max	-633.213	-1.315	0.
21	0.	SLU	Min	-639.661	-14.193	0.
21	0.24626	SLU	Min	-636.437	-7.754	0.
21	0.49252	SLU	Min	-633.213	-1.315	0.
21	0.	SLV_DX_D	Max	-768.805	38.785	0.
21	0.24626	SLV_DX_D	Max	-764.857	43.737	0.
21	0.49252	SLV_DX_D	Max	-760.909	48.689	0.
21	0.	SLV_DX_D	Min	-768.805	38.785	0.
21	0.24626	SLV_DX_D	Min	-764.857	43.737	0.
21	0.49252	SLV_DX_D	Min	-760.909	48.689	0.
21	0.	SLV_SX_D	Max	-638.629	90.364	0.
21	0.24626	SLV_SX_D	Max	-643.634	99.799	0.
21	0.49252	SLV_SX_D	Max	-648.64	109.233	0.
21	0.	SLV_SX_D	Min	-638.629	90.364	0.
21	0.24626	SLV_SX_D	Min	-643.634	99.799	0.
21	0.49252	SLV_SX_D	Min	-648.64	109.233	0.
21	0.	SLV_DX_U	Max	-712.396	70.573	0.
21	0.24626	SLV_DX_U	Max	-709.036	74.351	0.
21	0.49252	SLV_DX_U	Max	-705.677	78.13	0.
21	0.	SLV_DX_U	Min	-712.396	70.573	0.
21	0.24626	SLV_DX_U	Min	-709.036	74.351	0.
21	0.49252	SLV_DX_U	Min	-705.677	78.13	0.
21	0.	SLV_SX_U	Max	-581.466	123.661	0.
21	0.24626	SLV_SX_U	Max	-587.059	131.922	0.
21	0.49252	SLV_SX_U	Max	-592.651	140.183	0.
21	0.	SLV_SX_U	Min	-581.466	123.661	0.
21	0.24626	SLV_SX_U	Min	-587.059	131.922	0.
21	0.49252	SLV_SX_U	Min	-592.651	140.183	0.
22	0.	SLE	Max	-481.437	-10.288	0.
22	0.2463	SLE	Max	-479.317	-5.17	0.
22	0.49259	SLE	Max	-477.197	-0.051	0.
22	0.	SLE	Min	-481.437	-10.288	0.
22	0.2463	SLE	Min	-479.317	-5.17	0.
22	0.49259	SLE	Min	-477.197	-0.051	0.
22	0.	SLU	Max	-625.868	-13.374	0.
22	0.2463	SLU	Max	-623.112	-6.721	0.
22	0.49259	SLU	Max	-620.356	-0.067	0.
22	0.	SLU	Min	-625.868	-13.374	0.
22	0.2463	SLU	Min	-623.112	-6.721	0.
22	0.49259	SLU	Min	-620.356	-0.067	0.
22	0.	SLV_DX_D	Max	-756.966	22.485	0.
22	0.2463	SLV_DX_D	Max	-753.382	27.707	0.
22	0.49259	SLV_DX_D	Max	-749.797	32.93	0.
22	0.	SLV_DX_D	Min	-756.966	22.485	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
22	0.2463	SLV_DX_D	Min	-753.382	27.707	0.
22	0.49259	SLV_DX_D	Min	-749.797	32.93	0.
22	0.	SLV_SX_D	Max	-649.309	90.896	0.
22	0.2463	SLV_SX_D	Max	-653.985	99.54	0.
22	0.49259	SLV_SX_D	Max	-658.661	108.183	0.
22	0.	SLV_SX_D	Min	-649.309	90.896	0.
22	0.2463	SLV_SX_D	Min	-653.985	99.54	0.
22	0.49259	SLV_SX_D	Min	-658.661	108.183	0.
22	0.	SLV_DX_U	Max	-706.267	50.27	0.
22	0.2463	SLV_DX_U	Max	-703.185	54.28	0.
22	0.49259	SLV_DX_U	Max	-700.103	58.289	0.
22	0.	SLV_DX_U	Min	-706.267	50.27	0.
22	0.2463	SLV_DX_U	Min	-703.185	54.28	0.
22	0.49259	SLV_DX_U	Min	-700.103	58.289	0.
22	0.	SLV_SX_U	Max	-597.964	120.24	0.
22	0.2463	SLV_SX_U	Max	-603.142	127.671	0.
22	0.49259	SLV_SX_U	Max	-608.321	135.102	0.
22	0.	SLV_SX_U	Min	-597.964	120.24	0.
22	0.2463	SLV_SX_U	Min	-603.142	127.671	0.
22	0.49259	SLV_SX_U	Min	-608.321	135.102	0.
23	0.	SLE	Max	-472.584	-9.494	0.
23	0.24625	SLE	Max	-470.835	-4.238	0.
23	0.49249	SLE	Max	-469.086	1.018	0.
23	0.	SLE	Min	-472.584	-9.494	0.
23	0.24625	SLE	Min	-470.835	-4.238	0.
23	0.49249	SLE	Min	-469.086	1.018	0.
23	0.	SLU	Max	-614.359	-12.342	0.
23	0.24625	SLU	Max	-612.086	-5.509	0.
23	0.49249	SLU	Max	-609.812	1.323	0.
23	0.	SLU	Min	-614.359	-12.342	0.
23	0.24625	SLU	Min	-612.086	-5.509	0.
23	0.49249	SLU	Min	-609.812	1.323	0.
23	0.	SLV_DX_D	Max	-745.929	6.691	0.
23	0.24625	SLV_DX_D	Max	-742.728	12.155	0.
23	0.49249	SLV_DX_D	Max	-739.526	17.618	0.
23	0.	SLV_DX_D	Min	-745.929	6.691	0.
23	0.24625	SLV_DX_D	Min	-742.728	12.155	0.
23	0.49249	SLV_DX_D	Min	-739.526	17.618	0.
23	0.	SLV_SX_D	Max	-660.397	88.258	0.
23	0.24625	SLV_SX_D	Max	-664.63	96.196	0.
23	0.49249	SLV_SX_D	Max	-668.862	104.134	0.
23	0.	SLV_SX_D	Min	-660.397	88.258	0.
23	0.24625	SLV_SX_D	Min	-664.63	96.196	0.
23	0.49249	SLV_SX_D	Min	-668.862	104.134	0.
23	0.	SLV_DX_U	Max	-700.001	30.038	0.
23	0.24625	SLV_DX_U	Max	-697.213	34.257	0.
23	0.49249	SLV_DX_U	Max	-694.426	38.475	0.
23	0.	SLV_DX_U	Min	-700.001	30.038	0.
23	0.24625	SLV_DX_U	Min	-697.213	34.257	0.
23	0.49249	SLV_DX_U	Min	-694.426	38.475	0.
23	0.	SLV_SX_U	Max	-613.936	113.207	0.
23	0.24625	SLV_SX_U	Max	-618.582	119.899	0.
23	0.49249	SLV_SX_U	Max	-623.229	126.591	0.
23	0.	SLV_SX_U	Min	-613.936	113.207	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
23	0.24625	SLV_SX_U	Min	-618.582	119.899	0.
23	0.49249	SLV_SX_U	Min	-623.229	126.591	0.
24	0.	SLE	Max	-465.475	-8.616	0.
24	0.2463	SLE	Max	-464.105	-3.248	0.
24	0.4926	SLE	Max	-462.735	2.12	0.
24	0.	SLE	Min	-465.475	-8.616	0.
24	0.2463	SLE	Min	-464.105	-3.248	0.
24	0.4926	SLE	Min	-462.735	2.12	0.
24	0.	SLU	Max	-605.117	-11.201	0.
24	0.2463	SLU	Max	-603.336	-4.223	0.
24	0.4926	SLU	Max	-601.555	2.756	0.
24	0.	SLU	Min	-605.117	-11.201	0.
24	0.2463	SLU	Min	-603.336	-4.223	0.
24	0.4926	SLU	Min	-601.555	2.756	0.
24	0.	SLV_DX_D	Max	-735.715	-8.625	0.
24	0.2463	SLV_DX_D	Max	-732.911	-2.945	0.
24	0.4926	SLV_DX_D	Max	-730.106	2.734	0.
24	0.	SLV_DX_D	Min	-735.715	-8.625	0.
24	0.2463	SLV_DX_D	Min	-732.911	-2.945	0.
24	0.4926	SLV_DX_D	Min	-730.106	2.734	0.
24	0.	SLV_SX_D	Max	-671.402	82.71	0.
24	0.2463	SLV_SX_D	Max	-675.095	90.048	0.
24	0.4926	SLV_SX_D	Max	-678.789	97.385	0.
24	0.	SLV_SX_D	Min	-671.402	82.71	0.
24	0.2463	SLV_SX_D	Min	-675.095	90.048	0.
24	0.4926	SLV_SX_D	Min	-678.789	97.385	0.
24	0.	SLV_DX_U	Max	-693.607	9.952	0.
24	0.2463	SLV_DX_U	Max	-691.127	14.36	0.
24	0.4926	SLV_DX_U	Max	-688.647	18.767	0.
24	0.	SLV_DX_U	Min	-693.607	9.952	0.
24	0.2463	SLV_DX_U	Min	-691.127	14.36	0.
24	0.4926	SLV_DX_U	Min	-688.647	18.767	0.
24	0.	SLV_SX_U	Max	-628.876	102.922	0.
24	0.2463	SLV_SX_U	Max	-632.894	108.987	0.
24	0.4926	SLV_SX_U	Max	-636.912	115.053	0.
24	0.	SLV_SX_U	Min	-628.876	102.922	0.
24	0.2463	SLV_SX_U	Min	-632.894	108.987	0.
24	0.4926	SLV_SX_U	Min	-636.912	115.053	0.
25	0.	SLE	Max	-460.082	-7.665	0.
25	0.24627	SLE	Max	-459.098	-2.214	0.
25	0.49253	SLE	Max	-458.114	3.237	0.
25	0.	SLE	Min	-460.082	-7.665	0.
25	0.24627	SLE	Min	-459.098	-2.214	0.
25	0.49253	SLE	Min	-458.114	3.237	0.
25	0.	SLU	Max	-598.106	-9.965	0.
25	0.24627	SLU	Max	-596.827	-2.878	0.
25	0.49253	SLU	Max	-595.548	4.208	0.
25	0.	SLU	Min	-598.106	-9.965	0.
25	0.24627	SLU	Min	-596.827	-2.878	0.
25	0.49253	SLU	Min	-595.548	4.208	0.
25	0.	SLV_DX_D	Max	-726.333	-23.395	0.
25	0.24627	SLV_DX_D	Max	-723.94	-17.531	0.
25	0.49253	SLV_DX_D	Max	-721.548	-11.667	0.
25	0.	SLV_DX_D	Min	-726.333	-23.395	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
25	0.24627	SLV_DX_D	Min	-723.94	-17.531	0.
25	0.49253	SLV_DX_D	Min	-721.548	-11.667	0.
25	0.	SLV_SX_D	Max	-681.884	74.669	0.
25	0.24627	SLV_SX_D	Max	-684.96	81.52	0.
25	0.49253	SLV_SX_D	Max	-688.036	88.372	0.
25	0.	SLV_SX_D	Min	-681.884	74.669	0.
25	0.24627	SLV_SX_D	Min	-684.96	81.52	0.
25	0.49253	SLV_SX_D	Min	-688.036	88.372	0.
25	0.	SLV_DX_U	Max	-687.092	-9.835	0.
25	0.24627	SLV_DX_U	Max	-684.933	-5.263	0.
25	0.49253	SLV_DX_U	Max	-682.773	-0.691	0.
25	0.	SLV_DX_U	Min	-687.092	-9.835	0.
25	0.24627	SLV_DX_U	Min	-684.933	-5.263	0.
25	0.49253	SLV_DX_U	Min	-682.773	-0.691	0.
25	0.	SLV_SX_U	Max	-642.343	89.889	0.
25	0.24627	SLV_SX_U	Max	-645.653	95.449	0.
25	0.49253	SLV_SX_U	Max	-648.962	101.008	0.
25	0.	SLV_SX_U	Min	-642.343	89.889	0.
25	0.24627	SLV_SX_U	Min	-645.653	95.449	0.
25	0.49253	SLV_SX_U	Min	-648.962	101.008	0.
26	0.	SLE	Max	-456.372	-6.89	0.
26	0.24631	SLE	Max	-455.781	-1.382	0.
26	0.49262	SLE	Max	-455.189	4.127	0.
26	0.	SLE	Min	-456.372	-6.89	0.
26	0.24631	SLE	Min	-455.781	-1.382	0.
26	0.49262	SLE	Min	-455.189	4.127	0.
26	0.	SLU	Max	-593.284	-8.957	0.
26	0.24631	SLU	Max	-592.515	-1.796	0.
26	0.49262	SLU	Max	-591.746	5.365	0.
26	0.	SLU	Min	-593.284	-8.957	0.
26	0.24631	SLU	Min	-592.515	-1.796	0.
26	0.49262	SLU	Min	-591.746	5.365	0.
26	0.	SLV_DX_D	Max	-717.778	-37.942	0.
26	0.24631	SLV_DX_D	Max	-715.811	-31.921	0.
26	0.49262	SLV_DX_D	Max	-713.844	-25.9	0.
26	0.	SLV_DX_D	Min	-717.778	-37.942	0.
26	0.24631	SLV_DX_D	Min	-715.811	-31.921	0.
26	0.49262	SLV_DX_D	Min	-713.844	-25.9	0.
26	0.	SLV_SX_D	Max	-691.511	64.238	0.
26	0.24631	SLV_SX_D	Max	-693.907	70.728	0.
26	0.49262	SLV_SX_D	Max	-696.303	77.217	0.
26	0.	SLV_SX_D	Min	-691.511	64.238	0.
26	0.24631	SLV_SX_D	Min	-693.907	70.728	0.
26	0.49262	SLV_SX_D	Min	-696.303	77.217	0.
26	0.	SLV_DX_U	Max	-680.461	-29.55	0.
26	0.24631	SLV_DX_U	Max	-678.634	-24.834	0.
26	0.49262	SLV_DX_U	Max	-676.807	-20.119	0.
26	0.	SLV_DX_U	Min	-680.461	-29.55	0.
26	0.24631	SLV_DX_U	Min	-678.634	-24.834	0.
26	0.49262	SLV_DX_U	Min	-676.807	-20.119	0.
26	0.	SLV_SX_U	Max	-654.014	74.308	0.
26	0.24631	SLV_SX_U	Max	-656.55	79.492	0.
26	0.49262	SLV_SX_U	Max	-659.086	84.676	0.
26	0.	SLV_SX_U	Min	-654.014	74.308	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
26	0.24631	SLV_SX_U	Min	-656.55	79.492	0.
26	0.49262	SLV_SX_U	Min	-659.086	84.676	0.
27	0.	SLE	Max	-454.328	-5.941	0.
27	0.24626	SLE	Max	-454.13	-0.405	0.
27	0.49251	SLE	Max	-453.932	5.131	0.
27	0.	SLE	Min	-454.328	-5.941	0.
27	0.24626	SLE	Min	-454.13	-0.405	0.
27	0.49251	SLE	Min	-453.932	5.131	0.
27	0.	SLU	Max	-590.627	-7.723	0.
27	0.24626	SLU	Max	-590.369	-0.527	0.
27	0.49251	SLU	Max	-590.112	6.67	0.
27	0.	SLU	Min	-590.627	-7.723	0.
27	0.24626	SLU	Min	-590.369	-0.527	0.
27	0.49251	SLU	Min	-590.112	6.67	0.
27	0.	SLV_DX_D	Max	-710.095	-51.658	0.
27	0.24626	SLV_DX_D	Max	-708.561	-45.513	0.
27	0.49251	SLV_DX_D	Max	-707.028	-39.369	0.
27	0.	SLV_DX_D	Min	-710.095	-51.658	0.
27	0.24626	SLV_DX_D	Min	-708.561	-45.513	0.
27	0.49251	SLV_DX_D	Min	-707.028	-39.369	0.
27	0.	SLV_SX_D	Max	-699.938	52.447	0.
27	0.24626	SLV_SX_D	Max	-701.618	58.706	0.
27	0.49251	SLV_SX_D	Max	-703.297	64.966	0.
27	0.	SLV_SX_D	Min	-699.938	52.447	0.
27	0.24626	SLV_SX_D	Min	-701.618	58.706	0.
27	0.49251	SLV_SX_D	Min	-703.297	64.966	0.
27	0.	SLV_DX_U	Max	-673.753	-48.543	0.
27	0.24626	SLV_DX_U	Max	-672.266	-43.711	0.
27	0.49251	SLV_DX_U	Max	-670.78	-38.878	0.
27	0.	SLV_DX_U	Min	-673.753	-48.543	0.
27	0.24626	SLV_DX_U	Min	-672.266	-43.711	0.
27	0.49251	SLV_DX_U	Min	-670.78	-38.878	0.
27	0.	SLV_SX_U	Max	-663.535	57.247	0.
27	0.24626	SLV_SX_U	Max	-665.262	62.195	0.
27	0.49251	SLV_SX_U	Max	-666.989	67.142	0.
27	0.	SLV_SX_U	Min	-663.535	57.247	0.
27	0.24626	SLV_SX_U	Min	-665.262	62.195	0.
27	0.49251	SLV_SX_U	Min	-666.989	67.142	0.
28	0.	SLE	Max	-453.932	-5.131	0.
28	0.24626	SLE	Max	-454.13	0.405	0.
28	0.49251	SLE	Max	-454.328	5.941	0.
28	0.	SLE	Min	-453.932	-5.131	0.
28	0.24626	SLE	Min	-454.13	0.405	0.
28	0.49251	SLE	Min	-454.328	5.941	0.
28	0.	SLU	Max	-590.112	-6.67	0.
28	0.24626	SLU	Max	-590.369	0.527	0.
28	0.49251	SLU	Max	-590.627	7.723	0.
28	0.	SLU	Min	-590.112	-6.67	0.
28	0.24626	SLU	Min	-590.369	0.527	0.
28	0.49251	SLU	Min	-590.627	7.723	0.
28	0.	SLV_DX_D	Max	-703.297	-64.966	0.
28	0.24626	SLV_DX_D	Max	-701.618	-58.706	0.
28	0.49251	SLV_DX_D	Max	-699.938	-52.447	0.
28	0.	SLV_DX_D	Min	-703.297	-64.966	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
28	0.24626	SLV_DX_D	Min	-701.618	-58.706	0.
28	0.49251	SLV_DX_D	Min	-699.938	-52.447	0.
28	0.	SLV_SX_D	Max	-707.028	39.369	0.
28	0.24626	SLV_SX_D	Max	-708.561	45.513	0.
28	0.49251	SLV_SX_D	Max	-710.095	51.658	0.
28	0.	SLV_SX_D	Min	-707.028	39.369	0.
28	0.24626	SLV_SX_D	Min	-708.561	45.513	0.
28	0.49251	SLV_SX_D	Min	-710.095	51.658	0.
28	0.	SLV_DX_U	Max	-666.989	-67.142	0.
28	0.24626	SLV_DX_U	Max	-665.262	-62.195	0.
28	0.49251	SLV_DX_U	Max	-663.535	-57.247	0.
28	0.	SLV_DX_U	Min	-666.989	-67.142	0.
28	0.24626	SLV_DX_U	Min	-665.262	-62.195	0.
28	0.49251	SLV_DX_U	Min	-663.535	-57.247	0.
28	0.	SLV_SX_U	Max	-670.78	38.878	0.
28	0.24626	SLV_SX_U	Max	-672.266	43.711	0.
28	0.49251	SLV_SX_U	Max	-673.753	48.543	0.
28	0.	SLV_SX_U	Min	-670.78	38.878	0.
28	0.24626	SLV_SX_U	Min	-672.266	43.711	0.
28	0.49251	SLV_SX_U	Min	-673.753	48.543	0.
29	0.	SLE	Max	-455.189	-4.127	0.
29	0.24631	SLE	Max	-455.781	1.382	0.
29	0.49262	SLE	Max	-456.372	6.89	0.
29	0.	SLE	Min	-455.189	-4.127	0.
29	0.24631	SLE	Min	-455.781	1.382	0.
29	0.49262	SLE	Min	-456.372	6.89	0.
29	0.	SLU	Max	-591.746	-5.365	0.
29	0.24631	SLU	Max	-592.515	1.796	0.
29	0.49262	SLU	Max	-593.284	8.957	0.
29	0.	SLU	Min	-591.746	-5.365	0.
29	0.24631	SLU	Min	-592.515	1.796	0.
29	0.49262	SLU	Min	-593.284	8.957	0.
29	0.	SLV_DX_D	Max	-696.303	-77.217	0.
29	0.24631	SLV_DX_D	Max	-693.907	-70.728	0.
29	0.49262	SLV_DX_D	Max	-691.511	-64.238	0.
29	0.	SLV_DX_D	Min	-696.303	-77.217	0.
29	0.24631	SLV_DX_D	Min	-693.907	-70.728	0.
29	0.49262	SLV_DX_D	Min	-691.511	-64.238	0.
29	0.	SLV_SX_D	Max	-713.844	25.9	0.
29	0.24631	SLV_SX_D	Max	-715.811	31.921	0.
29	0.49262	SLV_SX_D	Max	-717.778	37.942	0.
29	0.	SLV_SX_D	Min	-713.844	25.9	0.
29	0.24631	SLV_SX_D	Min	-715.811	31.921	0.
29	0.49262	SLV_SX_D	Min	-717.778	37.942	0.
29	0.	SLV_DX_U	Max	-659.086	-84.676	0.
29	0.24631	SLV_DX_U	Max	-656.55	-79.492	0.
29	0.49262	SLV_DX_U	Max	-654.014	-74.308	0.
29	0.	SLV_DX_U	Min	-659.086	-84.676	0.
29	0.24631	SLV_DX_U	Min	-656.55	-79.492	0.
29	0.49262	SLV_DX_U	Min	-654.014	-74.308	0.
29	0.	SLV_SX_U	Max	-676.807	20.119	0.
29	0.24631	SLV_SX_U	Max	-678.634	24.834	0.
29	0.49262	SLV_SX_U	Max	-680.461	29.55	0.
29	0.	SLV_SX_U	Min	-676.807	20.119	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
29	0.24631	SLV_SX_U	Min	-678.634	24.834	0.
29	0.49262	SLV_SX_U	Min	-680.461	29.55	0.
30	0.	SLE	Max	-458.114	-3.237	0.
30	0.24627	SLE	Max	-459.098	2.214	0.
30	0.49253	SLE	Max	-460.082	7.665	0.
30	0.	SLE	Min	-458.114	-3.237	0.
30	0.24627	SLE	Min	-459.098	2.214	0.
30	0.49253	SLE	Min	-460.082	7.665	0.
30	0.	SLU	Max	-595.548	-4.208	0.
30	0.24627	SLU	Max	-596.827	2.878	0.
30	0.49253	SLU	Max	-598.106	9.965	0.
30	0.	SLU	Min	-595.548	-4.208	0.
30	0.24627	SLU	Min	-596.827	2.878	0.
30	0.49253	SLU	Min	-598.106	9.965	0.
30	0.	SLV_DX_D	Max	-688.036	-88.372	0.
30	0.24627	SLV_DX_D	Max	-684.96	-81.52	0.
30	0.49253	SLV_DX_D	Max	-681.884	-74.669	0.
30	0.	SLV_DX_D	Min	-688.036	-88.372	0.
30	0.24627	SLV_DX_D	Min	-684.96	-81.52	0.
30	0.49253	SLV_DX_D	Min	-681.884	-74.669	0.
30	0.	SLV_SX_D	Max	-721.548	11.667	0.
30	0.24627	SLV_SX_D	Max	-723.94	17.531	0.
30	0.49253	SLV_SX_D	Max	-726.333	23.395	0.
30	0.	SLV_SX_D	Min	-721.548	11.667	0.
30	0.24627	SLV_SX_D	Min	-723.94	17.531	0.
30	0.49253	SLV_SX_D	Min	-726.333	23.395	0.
30	0.	SLV_DX_U	Max	-648.962	-101.008	0.
30	0.24627	SLV_DX_U	Max	-645.653	-95.449	0.
30	0.49253	SLV_DX_U	Max	-642.343	-89.889	0.
30	0.	SLV_DX_U	Min	-648.962	-101.008	0.
30	0.24627	SLV_DX_U	Min	-645.653	-95.449	0.
30	0.49253	SLV_DX_U	Min	-642.343	-89.889	0.
30	0.	SLV_SX_U	Max	-682.773	0.691	0.
30	0.24627	SLV_SX_U	Max	-684.933	5.263	0.
30	0.49253	SLV_SX_U	Max	-687.092	9.835	0.
30	0.	SLV_SX_U	Min	-682.773	0.691	0.
30	0.24627	SLV_SX_U	Min	-684.933	5.263	0.
30	0.49253	SLV_SX_U	Min	-687.092	9.835	0.
31	0.	SLE	Max	-462.735	-2.12	0.
31	0.2463	SLE	Max	-464.105	3.248	0.
31	0.4926	SLE	Max	-465.475	8.616	0.
31	0.	SLE	Min	-462.735	-2.12	0.
31	0.2463	SLE	Min	-464.105	3.248	0.
31	0.4926	SLE	Min	-465.475	8.616	0.
31	0.	SLU	Max	-601.555	-2.756	0.
31	0.2463	SLU	Max	-603.336	4.223	0.
31	0.4926	SLU	Max	-605.117	11.201	0.
31	0.	SLU	Min	-601.555	-2.756	0.
31	0.2463	SLU	Min	-603.336	4.223	0.
31	0.4926	SLU	Min	-605.117	11.201	0.
31	0.	SLV_DX_D	Max	-678.789	-97.385	0.
31	0.2463	SLV_DX_D	Max	-675.095	-90.048	0.
31	0.4926	SLV_DX_D	Max	-671.402	-82.71	0.
31	0.	SLV_DX_D	Min	-678.789	-97.385	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
31	0.2463	SLV_DX_D	Min	-675.095	-90.048	0.
31	0.4926	SLV_DX_D	Min	-671.402	-82.71	0.
31	0.	SLV_SX_D	Max	-730.106	-2.734	0.
31	0.2463	SLV_SX_D	Max	-732.911	2.945	0.
31	0.4926	SLV_SX_D	Max	-735.715	8.625	0.
31	0.	SLV_SX_D	Min	-730.106	-2.734	0.
31	0.2463	SLV_SX_D	Min	-732.911	2.945	0.
31	0.4926	SLV_SX_D	Min	-735.715	8.625	0.
31	0.	SLV_DX_U	Max	-636.912	-115.053	0.
31	0.2463	SLV_DX_U	Max	-632.894	-108.987	0.
31	0.4926	SLV_DX_U	Max	-628.876	-102.922	0.
31	0.	SLV_DX_U	Min	-636.912	-115.053	0.
31	0.2463	SLV_DX_U	Min	-632.894	-108.987	0.
31	0.4926	SLV_DX_U	Min	-628.876	-102.922	0.
31	0.	SLV_SX_U	Max	-688.647	-18.767	0.
31	0.2463	SLV_SX_U	Max	-691.127	-14.36	0.
31	0.4926	SLV_SX_U	Max	-693.607	-9.952	0.
31	0.	SLV_SX_U	Min	-688.647	-18.767	0.
31	0.2463	SLV_SX_U	Min	-691.127	-14.36	0.
31	0.4926	SLV_SX_U	Min	-693.607	-9.952	0.
32	0.	SLE	Max	-469.086	-1.018	0.
32	0.24625	SLE	Max	-470.835	4.238	0.
32	0.49249	SLE	Max	-472.584	9.494	0.
32	0.	SLE	Min	-469.086	-1.018	0.
32	0.24625	SLE	Min	-470.835	4.238	0.
32	0.49249	SLE	Min	-472.584	9.494	0.
32	0.	SLU	Max	-609.812	-1.323	0.
32	0.24625	SLU	Max	-612.086	5.509	0.
32	0.49249	SLU	Max	-614.359	12.342	0.
32	0.	SLU	Min	-609.812	-1.323	0.
32	0.24625	SLU	Min	-612.086	5.509	0.
32	0.49249	SLU	Min	-614.359	12.342	0.
32	0.	SLV_DX_D	Max	-668.862	-104.134	0.
32	0.24625	SLV_DX_D	Max	-664.63	-96.196	0.
32	0.49249	SLV_DX_D	Max	-660.397	-88.258	0.
32	0.	SLV_DX_D	Min	-668.862	-104.134	0.
32	0.24625	SLV_DX_D	Min	-664.63	-96.196	0.
32	0.49249	SLV_DX_D	Min	-660.397	-88.258	0.
32	0.	SLV_SX_D	Max	-739.526	-17.618	0.
32	0.24625	SLV_SX_D	Max	-742.728	-12.155	0.
32	0.49249	SLV_SX_D	Max	-745.929	-6.691	0.
32	0.	SLV_SX_D	Min	-739.526	-17.618	0.
32	0.24625	SLV_SX_D	Min	-742.728	-12.155	0.
32	0.49249	SLV_SX_D	Min	-745.929	-6.691	0.
32	0.	SLV_DX_U	Max	-623.229	-126.591	0.
32	0.24625	SLV_DX_U	Max	-618.582	-119.899	0.
32	0.49249	SLV_DX_U	Max	-613.936	-113.207	0.
32	0.	SLV_DX_U	Min	-623.229	-126.591	0.
32	0.24625	SLV_DX_U	Min	-618.582	-119.899	0.
32	0.49249	SLV_DX_U	Min	-613.936	-113.207	0.
32	0.	SLV_SX_U	Max	-694.426	-38.475	0.
32	0.24625	SLV_SX_U	Max	-697.213	-34.257	0.
32	0.49249	SLV_SX_U	Max	-700.001	-30.038	0.
32	0.	SLV_SX_U	Min	-694.426	-38.475	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
32	0.24625	SLV_SX_U	Min	-697.213	-34.257	0.
32	0.49249	SLV_SX_U	Min	-700.001	-30.038	0.
33	0.	SLE	Max	-477.197	0.051	0.
33	0.2463	SLE	Max	-479.317	5.17	0.
33	0.49259	SLE	Max	-481.437	10.288	0.
33	0.	SLE	Min	-477.197	0.051	0.
33	0.2463	SLE	Min	-479.317	5.17	0.
33	0.49259	SLE	Min	-481.437	10.288	0.
33	0.	SLU	Max	-620.356	0.067	0.
33	0.2463	SLU	Max	-623.112	6.721	0.
33	0.49259	SLU	Max	-625.868	13.374	0.
33	0.	SLU	Min	-620.356	0.067	0.
33	0.2463	SLU	Min	-623.112	6.721	0.
33	0.49259	SLU	Min	-625.868	13.374	0.
33	0.	SLV_DX_D	Max	-658.661	-108.183	0.
33	0.2463	SLV_DX_D	Max	-653.985	-99.54	0.
33	0.49259	SLV_DX_D	Max	-649.309	-90.896	0.
33	0.	SLV_DX_D	Min	-658.661	-108.183	0.
33	0.2463	SLV_DX_D	Min	-653.985	-99.54	0.
33	0.49259	SLV_DX_D	Min	-649.309	-90.896	0.
33	0.	SLV_SX_D	Max	-749.797	-32.93	0.
33	0.2463	SLV_SX_D	Max	-753.382	-27.707	0.
33	0.49259	SLV_SX_D	Max	-756.966	-22.485	0.
33	0.	SLV_SX_D	Min	-749.797	-32.93	0.
33	0.2463	SLV_SX_D	Min	-753.382	-27.707	0.
33	0.49259	SLV_SX_D	Min	-756.966	-22.485	0.
33	0.	SLV_DX_U	Max	-608.321	-135.102	0.
33	0.2463	SLV_DX_U	Max	-603.142	-127.671	0.
33	0.49259	SLV_DX_U	Max	-597.964	-120.24	0.
33	0.	SLV_DX_U	Min	-608.321	-135.102	0.
33	0.2463	SLV_DX_U	Min	-603.142	-127.671	0.
33	0.49259	SLV_DX_U	Min	-597.964	-120.24	0.
33	0.	SLV_SX_U	Max	-700.103	-58.289	0.
33	0.2463	SLV_SX_U	Max	-703.185	-54.28	0.
33	0.49259	SLV_SX_U	Max	-706.267	-50.27	0.
33	0.	SLV_SX_U	Min	-700.103	-58.289	0.
33	0.2463	SLV_SX_U	Min	-703.185	-54.28	0.
33	0.49259	SLV_SX_U	Min	-706.267	-50.27	0.
34	0.	SLE	Max	-487.087	1.012	0.
34	0.24626	SLE	Max	-489.567	5.965	0.
34	0.49252	SLE	Max	-492.047	10.918	0.
34	0.	SLE	Min	-487.087	1.012	0.
34	0.24626	SLE	Min	-489.567	5.965	0.
34	0.49252	SLE	Min	-492.047	10.918	0.
34	0.	SLU	Max	-633.213	1.315	0.
34	0.24626	SLU	Max	-636.437	7.754	0.
34	0.49252	SLU	Max	-639.661	14.193	0.
34	0.	SLU	Min	-633.213	1.315	0.
34	0.24626	SLU	Min	-636.437	7.754	0.
34	0.49252	SLU	Min	-639.661	14.193	0.
34	0.	SLV_DX_D	Max	-648.64	-109.233	0.
34	0.24626	SLV_DX_D	Max	-643.634	-99.799	0.
34	0.49252	SLV_DX_D	Max	-638.629	-90.364	0.
34	0.	SLV_DX_D	Min	-648.64	-109.233	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
34	0.24626	SLV_DX_D	Min	-643.634	-99.799	0.
34	0.49252	SLV_DX_D	Min	-638.629	-90.364	0.
34	0.	SLV_SX_D	Max	-760.909	-48.689	0.
34	0.24626	SLV_SX_D	Max	-764.857	-43.737	0.
34	0.49252	SLV_SX_D	Max	-768.805	-38.785	0.
34	0.	SLV_SX_D	Min	-760.909	-48.689	0.
34	0.24626	SLV_SX_D	Min	-764.857	-43.737	0.
34	0.49252	SLV_SX_D	Min	-768.805	-38.785	0.
34	0.	SLV_DX_U	Max	-592.651	-140.183	0.
34	0.24626	SLV_DX_U	Max	-587.059	-131.922	0.
34	0.49252	SLV_DX_U	Max	-581.466	-123.661	0.
34	0.	SLV_DX_U	Min	-592.651	-140.183	0.
34	0.24626	SLV_DX_U	Min	-587.059	-131.922	0.
34	0.49252	SLV_DX_U	Min	-581.466	-123.661	0.
34	0.	SLV_SX_U	Max	-705.677	-78.13	0.
34	0.24626	SLV_SX_U	Max	-709.036	-74.351	0.
34	0.49252	SLV_SX_U	Max	-712.396	-70.573	0.
34	0.	SLV_SX_U	Min	-705.677	-78.13	0.
34	0.24626	SLV_SX_U	Min	-709.036	-74.351	0.
34	0.49252	SLV_SX_U	Min	-712.396	-70.573	0.
35	0.	SLE	Max	-498.752	1.822	0.
35	0.24629	SLE	Max	-501.58	6.586	0.
35	0.49258	SLE	Max	-504.407	11.351	0.
35	0.	SLE	Min	-498.752	1.822	0.
35	0.24629	SLE	Min	-501.58	6.586	0.
35	0.49258	SLE	Min	-504.407	11.351	0.
35	0.	SLU	Max	-648.378	2.369	0.
35	0.24629	SLU	Max	-652.054	8.562	0.
35	0.49258	SLU	Max	-655.729	14.756	0.
35	0.	SLU	Min	-648.378	2.369	0.
35	0.24629	SLU	Min	-652.054	8.562	0.
35	0.49258	SLU	Min	-655.729	14.756	0.
35	0.	SLV_DX_D	Max	-639.31	-107.006	0.
35	0.24629	SLV_DX_D	Max	-634.101	-96.709	0.
35	0.49258	SLV_DX_D	Max	-628.892	-86.412	0.
35	0.	SLV_DX_D	Min	-639.31	-107.006	0.
35	0.24629	SLV_DX_D	Min	-634.101	-96.709	0.
35	0.49258	SLV_DX_D	Min	-628.892	-86.412	0.
35	0.	SLV_SX_D	Max	-772.834	-64.847	0.
35	0.24629	SLV_SX_D	Max	-777.126	-60.189	0.
35	0.49258	SLV_SX_D	Max	-781.417	-55.53	0.
35	0.	SLV_SX_D	Min	-772.834	-64.847	0.
35	0.24629	SLV_SX_D	Min	-777.126	-60.189	0.
35	0.49258	SLV_SX_D	Min	-781.417	-55.53	0.
35	0.	SLV_DX_U	Max	-576.763	-141.45	0.
35	0.24629	SLV_DX_U	Max	-570.884	-132.283	0.
35	0.49258	SLV_DX_U	Max	-565.005	-123.115	0.
35	0.	SLV_DX_U	Min	-576.763	-141.45	0.
35	0.24629	SLV_DX_U	Min	-570.884	-132.283	0.
35	0.49258	SLV_DX_U	Min	-565.005	-123.115	0.
35	0.	SLV_SX_U	Max	-711.149	-97.841	0.
35	0.24629	SLV_SX_U	Max	-714.77	-94.312	0.
35	0.49258	SLV_SX_U	Max	-718.392	-90.782	0.
35	0.	SLV_SX_U	Min	-711.149	-97.841	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
35	0.24629	SLV_SX_U	Min	-714.77	-94.312	0.
35	0.49258	SLV_SX_U	Min	-718.392	-90.782	0.
36	0.	SLE	Max	-512.161	2.393	0.
36	0.24628	SLE	Max	-515.32	6.943	0.
36	0.49255	SLE	Max	-518.48	11.494	0.
36	0.	SLE	Min	-512.161	2.393	0.
36	0.24628	SLE	Min	-515.32	6.943	0.
36	0.49255	SLE	Min	-518.48	11.494	0.
36	0.	SLU	Max	-665.81	3.111	0.
36	0.24628	SLU	Max	-669.917	9.026	0.
36	0.49255	SLU	Max	-674.024	14.942	0.
36	0.	SLU	Min	-665.81	3.111	0.
36	0.24628	SLU	Min	-669.917	9.026	0.
36	0.49255	SLU	Min	-674.024	14.942	0.
36	0.	SLV_DX_D	Max	-631.185	-101.37	0.
36	0.24628	SLV_DX_D	Max	-625.91	-90.165	0.
36	0.49255	SLV_DX_D	Max	-620.635	-78.96	0.
36	0.	SLV_DX_D	Min	-631.185	-101.37	0.
36	0.24628	SLV_DX_D	Min	-625.91	-90.165	0.
36	0.49255	SLV_DX_D	Min	-620.635	-78.96	0.
36	0.	SLV_SX_D	Max	-785.522	-81.425	0.
36	0.24628	SLV_SX_D	Max	-790.134	-77.084	0.
36	0.49255	SLV_SX_D	Max	-794.746	-72.743	0.
36	0.	SLV_SX_D	Min	-785.522	-81.425	0.
36	0.24628	SLV_SX_D	Min	-790.134	-77.084	0.
36	0.49255	SLV_SX_D	Min	-794.746	-72.743	0.
36	0.	SLV_DX_U	Max	-561.218	-138.659	0.
36	0.24628	SLV_DX_U	Max	-555.194	-128.533	0.
36	0.49255	SLV_DX_U	Max	-549.171	-118.406	0.
36	0.	SLV_DX_U	Min	-561.218	-138.659	0.
36	0.24628	SLV_DX_U	Min	-555.194	-128.533	0.
36	0.49255	SLV_DX_U	Min	-549.171	-118.406	0.
36	0.	SLV_SX_U	Max	-716.517	-117.329	0.
36	0.24628	SLV_SX_U	Max	-720.38	-114.067	0.
36	0.49255	SLV_SX_U	Max	-724.243	-110.804	0.
36	0.	SLV_SX_U	Min	-716.517	-117.329	0.
36	0.24628	SLV_SX_U	Min	-720.38	-114.067	0.
36	0.49255	SLV_SX_U	Min	-724.243	-110.804	0.
37	0.	SLE	Max	-527.234	2.412	0.
37	0.24625	SLE	Max	-530.709	6.725	0.
37	0.4925	SLE	Max	-534.184	11.038	0.
37	0.	SLE	Min	-527.234	2.412	0.
37	0.24625	SLE	Min	-530.709	6.725	0.
37	0.4925	SLE	Min	-534.184	11.038	0.
37	0.	SLU	Max	-685.404	3.135	0.
37	0.24625	SLU	Max	-689.922	8.742	0.
37	0.4925	SLU	Max	-694.44	14.349	0.
37	0.	SLU	Min	-685.404	3.135	0.
37	0.24625	SLU	Min	-689.922	8.742	0.
37	0.4925	SLU	Min	-694.44	14.349	0.
37	0.	SLV_DX_D	Max	-624.728	-92.553	0.
37	0.24625	SLV_DX_D	Max	-619.532	-80.411	0.
37	0.4925	SLV_DX_D	Max	-614.337	-68.268	0.
37	0.	SLV_DX_D	Min	-624.728	-92.553	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
37	0.24625	SLV_DX_D	Min	-619.532	-80.411	0.
37	0.4925	SLV_DX_D	Min	-614.337	-68.268	0.
37	0.	SLV_SX_D	Max	-798.839	-98.767	0.
37	0.24625	SLV_SX_D	Max	-803.748	-94.767	0.
37	0.4925	SLV_SX_D	Max	-808.657	-90.766	0.
37	0.	SLV_SX_D	Min	-798.839	-98.767	0.
37	0.24625	SLV_SX_D	Min	-803.748	-94.767	0.
37	0.4925	SLV_SX_D	Min	-808.657	-90.766	0.
37	0.	SLV_DX_U	Max	-546.537	-131.887	0.
37	0.24625	SLV_DX_U	Max	-540.518	-120.767	0.
37	0.4925	SLV_DX_U	Max	-534.498	-109.647	0.
37	0.	SLV_DX_U	Min	-546.537	-131.887	0.
37	0.24625	SLV_DX_U	Min	-540.518	-120.767	0.
37	0.4925	SLV_DX_U	Min	-534.498	-109.647	0.
37	0.	SLV_SX_U	Max	-721.706	-136.787	0.
37	0.24625	SLV_SX_U	Max	-725.792	-133.809	0.
37	0.4925	SLV_SX_U	Max	-729.877	-130.831	0.
37	0.	SLV_SX_U	Min	-721.706	-136.787	0.
37	0.24625	SLV_SX_U	Min	-725.792	-133.809	0.
37	0.4925	SLV_SX_U	Min	-729.877	-130.831	0.
38	0.	SLE	Max	-543.835	1.645	0.
38	0.2463	SLE	Max	-547.611	5.7	0.
38	0.4926	SLE	Max	-551.386	9.754	0.
38	0.	SLE	Min	-543.835	1.645	0.
38	0.2463	SLE	Min	-547.611	5.7	0.
38	0.4926	SLE	Min	-551.386	9.754	0.
38	0.	SLU	Max	-706.986	2.139	0.
38	0.2463	SLU	Max	-711.894	7.409	0.
38	0.4926	SLU	Max	-716.802	12.68	0.
38	0.	SLU	Min	-706.986	2.139	0.
38	0.2463	SLU	Min	-711.894	7.409	0.
38	0.4926	SLU	Min	-716.802	12.68	0.
38	0.	SLV_DX_D	Max	-620.379	-80.755	0.
38	0.2463	SLV_DX_D	Max	-615.41	-67.662	0.
38	0.4926	SLV_DX_D	Max	-610.442	-54.568	0.
38	0.	SLV_DX_D	Min	-620.379	-80.755	0.
38	0.2463	SLV_DX_D	Min	-615.41	-67.662	0.
38	0.4926	SLV_DX_D	Min	-610.442	-54.568	0.
38	0.	SLV_SX_D	Max	-812.593	-117.089	0.
38	0.2463	SLV_SX_D	Max	-817.777	-113.449	0.
38	0.4926	SLV_SX_D	Max	-822.961	-109.809	0.
38	0.	SLV_SX_D	Min	-812.593	-117.089	0.
38	0.2463	SLV_SX_D	Min	-817.777	-113.449	0.
38	0.4926	SLV_SX_D	Min	-822.961	-109.809	0.
38	0.	SLV_DX_U	Max	-533.252	-121.188	0.
38	0.2463	SLV_DX_U	Max	-527.389	-109.055	0.
38	0.4926	SLV_DX_U	Max	-521.527	-96.922	0.
38	0.	SLV_DX_U	Min	-533.252	-121.188	0.
38	0.2463	SLV_DX_U	Min	-527.389	-109.055	0.
38	0.4926	SLV_DX_U	Min	-521.527	-96.922	0.
38	0.	SLV_SX_U	Max	-726.617	-156.287	0.
38	0.2463	SLV_SX_U	Max	-730.906	-153.608	0.
38	0.4926	SLV_SX_U	Max	-735.195	-150.929	0.
38	0.	SLV_SX_U	Min	-726.617	-156.287	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
38	0.2463	SLV_SX_U	Min	-730.906	-153.608	0.
38	0.4926	SLV_SX_U	Min	-735.195	-150.929	0.
39	0.	SLE	Max	-561.777	0.207	0.
39	0.2463	SLE	Max	-565.831	3.983	0.
39	0.4926	SLE	Max	-569.885	7.758	0.
39	0.	SLE	Min	-561.777	0.207	0.
39	0.2463	SLE	Min	-565.831	3.983	0.
39	0.4926	SLE	Min	-569.885	7.758	0.
39	0.	SLU	Max	-730.309	0.269	0.
39	0.2463	SLU	Max	-735.58	5.178	0.
39	0.4926	SLU	Max	-740.851	10.086	0.
39	0.	SLU	Min	-730.309	0.269	0.
39	0.2463	SLU	Min	-735.58	5.178	0.
39	0.4926	SLU	Min	-740.851	10.086	0.
39	0.	SLV_DX_D	Max	-618.566	-65.863	0.
39	0.2463	SLV_DX_D	Max	-613.976	-51.841	0.
39	0.4926	SLV_DX_D	Max	-609.386	-37.819	0.
39	0.	SLV_DX_D	Min	-618.566	-65.863	0.
39	0.2463	SLV_DX_D	Min	-613.976	-51.841	0.
39	0.4926	SLV_DX_D	Min	-609.386	-37.819	0.
39	0.	SLV_SX_D	Max	-826.615	-136.086	0.
39	0.2463	SLV_SX_D	Max	-832.045	-132.824	0.
39	0.4926	SLV_SX_D	Max	-837.475	-129.562	0.
39	0.	SLV_SX_D	Min	-826.615	-136.086	0.
39	0.2463	SLV_SX_D	Min	-832.045	-132.824	0.
39	0.4926	SLV_SX_D	Min	-837.475	-129.562	0.
39	0.	SLV_DX_U	Max	-521.942	-106.364	0.
39	0.2463	SLV_DX_U	Max	-516.391	-93.237	0.
39	0.4926	SLV_DX_U	Max	-510.84	-80.11	0.
39	0.	SLV_DX_U	Min	-521.942	-106.364	0.
39	0.2463	SLV_DX_U	Min	-516.391	-93.237	0.
39	0.4926	SLV_DX_U	Min	-510.84	-80.11	0.
39	0.	SLV_SX_U	Max	-731.226	-175.438	0.
39	0.2463	SLV_SX_U	Max	-735.695	-173.07	0.
39	0.4926	SLV_SX_U	Max	-740.164	-170.703	0.
39	0.	SLV_SX_U	Min	-731.226	-175.438	0.
39	0.2463	SLV_SX_U	Min	-735.695	-173.07	0.
39	0.4926	SLV_SX_U	Min	-740.164	-170.703	0.
40	0.	SLE	Max	-580.797	-2.476	0.
40	0.24625	SLE	Max	-585.11	0.999	0.
40	0.4925	SLE	Max	-589.423	4.474	0.
40	0.	SLE	Min	-580.797	-2.476	0.
40	0.24625	SLE	Min	-585.11	0.999	0.
40	0.4925	SLE	Min	-589.423	4.474	0.
40	0.	SLU	Max	-755.036	-3.219	0.
40	0.24625	SLU	Max	-760.643	1.299	0.
40	0.4925	SLU	Max	-766.25	5.817	0.
40	0.	SLU	Min	-755.036	-3.219	0.
40	0.24625	SLU	Min	-760.643	1.299	0.
40	0.4925	SLU	Min	-766.25	5.817	0.
40	0.	SLV_DX_D	Max	-619.554	-48.653	0.
40	0.24625	SLV_DX_D	Max	-615.494	-33.739	0.
40	0.4925	SLV_DX_D	Max	-611.434	-18.826	0.
40	0.	SLV_DX_D	Min	-619.554	-48.653	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
40	0.24625	SLV_DX_D	Min	-615.494	-33.739	0.
40	0.4925	SLV_DX_D	Min	-611.434	-18.826	0.
40	0.	SLV_SX_D	Max	-840.499	-156.469	0.
40	0.24625	SLV_SX_D	Max	-846.147	-153.604	0.
40	0.4925	SLV_SX_D	Max	-851.795	-150.739	0.
40	0.	SLV_SX_D	Min	-840.499	-156.469	0.
40	0.24625	SLV_SX_D	Min	-846.147	-153.604	0.
40	0.4925	SLV_SX_D	Min	-851.795	-150.739	0.
40	0.	SLV_DX_U	Max	-513.003	-88.006	0.
40	0.24625	SLV_DX_U	Max	-507.921	-73.916	0.
40	0.4925	SLV_DX_U	Max	-502.839	-59.827	0.
40	0.	SLV_DX_U	Min	-513.003	-88.006	0.
40	0.24625	SLV_DX_U	Min	-507.921	-73.916	0.
40	0.4925	SLV_DX_U	Min	-502.839	-59.827	0.
40	0.	SLV_SX_U	Max	-735.262	-194.764	0.
40	0.24625	SLV_SX_U	Max	-739.888	-192.723	0.
40	0.4925	SLV_SX_U	Max	-744.514	-190.682	0.
40	0.	SLV_SX_U	Min	-735.262	-194.764	0.
40	0.24625	SLV_SX_U	Min	-739.888	-192.723	0.
40	0.4925	SLV_SX_U	Min	-744.514	-190.682	0.
41	0.	SLE	Max	-600.567	-6.253	0.
41	0.24628	SLE	Max	-605.117	-3.094	0.
41	0.49255	SLE	Max	-609.668	0.065	0.
41	0.	SLE	Min	-600.567	-6.253	0.
41	0.24628	SLE	Min	-605.117	-3.094	0.
41	0.49255	SLE	Min	-609.668	0.065	0.
41	0.	SLU	Max	-780.737	-8.129	0.
41	0.24628	SLU	Max	-786.652	-4.022	0.
41	0.49255	SLU	Max	-792.568	0.085	0.
41	0.	SLU	Min	-780.737	-8.129	0.
41	0.24628	SLU	Min	-786.652	-4.022	0.
41	0.49255	SLU	Min	-792.568	0.085	0.
41	0.	SLV_DX_D	Max	-623.584	-29.173	0.
41	0.24628	SLV_DX_D	Max	-620.195	-13.427	0.
41	0.49255	SLV_DX_D	Max	-616.806	2.319	0.
41	0.	SLV_DX_D	Min	-623.584	-29.173	0.
41	0.24628	SLV_DX_D	Min	-620.195	-13.427	0.
41	0.49255	SLV_DX_D	Min	-616.806	2.319	0.
41	0.	SLV_SX_D	Max	-853.928	-177.888	0.
41	0.24628	SLV_SX_D	Max	-859.766	-175.433	0.
41	0.49255	SLV_SX_D	Max	-865.604	-172.978	0.
41	0.	SLV_SX_D	Min	-853.928	-177.888	0.
41	0.24628	SLV_SX_D	Min	-859.766	-175.433	0.
41	0.49255	SLV_SX_D	Min	-865.604	-172.978	0.
41	0.	SLV_DX_U	Max	-506.895	-66.108	0.
41	0.24628	SLV_DX_U	Max	-502.427	-51.111	0.
41	0.49255	SLV_DX_U	Max	-497.96	-36.114	0.
41	0.	SLV_DX_U	Min	-506.895	-66.108	0.
41	0.24628	SLV_DX_U	Min	-502.427	-51.111	0.
41	0.49255	SLV_DX_U	Min	-497.96	-36.114	0.
41	0.	SLV_SX_U	Max	-738.624	-213.862	0.
41	0.24628	SLV_SX_U	Max	-743.384	-212.155	0.
41	0.49255	SLV_SX_U	Max	-748.144	-210.449	0.
41	0.	SLV_SX_U	Min	-738.624	-213.862	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
41	0.24628	SLV_SX_U	Min	-743.384	-212.155	0.
41	0.49255	SLV_SX_U	Min	-748.144	-210.449	0.
42	0.	SLE	Max	-619.556	-9.335	0.
42	0.24629	SLE	Max	-624.32	-6.508	0.
42	0.49258	SLE	Max	-629.084	-3.68	0.
42	0.	SLE	Min	-619.556	-9.335	0.
42	0.24629	SLE	Min	-624.32	-6.508	0.
42	0.49258	SLE	Min	-629.084	-3.68	0.
42	0.	SLU	Max	-805.423	-12.135	0.
42	0.24629	SLU	Max	-811.616	-8.46	0.
42	0.49258	SLU	Max	-817.809	-4.784	0.
42	0.	SLU	Min	-805.423	-12.135	0.
42	0.24629	SLU	Min	-811.616	-8.46	0.
42	0.49258	SLU	Min	-817.809	-4.784	0.
42	0.	SLV_DX_D	Max	-630.76	-7.895	0.
42	0.24629	SLV_DX_D	Max	-628.177	8.6	0.
42	0.49258	SLV_DX_D	Max	-625.593	25.095	0.
42	0.	SLV_DX_D	Min	-630.76	-7.895	0.
42	0.24629	SLV_DX_D	Min	-628.177	8.6	0.
42	0.49258	SLV_DX_D	Min	-625.593	25.095	0.
42	0.	SLV_SX_D	Max	-829.975	-139.004	0.
42	0.24629	SLV_SX_D	Max	-835.973	-136.97	0.
42	0.49258	SLV_SX_D	Max	-841.972	-134.937	0.
42	0.	SLV_SX_D	Min	-829.975	-139.004	0.
42	0.24629	SLV_SX_D	Min	-835.973	-136.97	0.
42	0.49258	SLV_SX_D	Min	-841.972	-134.937	0.
42	0.	SLV_DX_U	Max	-503.939	-41.057	0.
42	0.24629	SLV_DX_U	Max	-500.226	-25.232	0.
42	0.49258	SLV_DX_U	Max	-496.513	-9.408	0.
42	0.	SLV_DX_U	Min	-503.939	-41.057	0.
42	0.24629	SLV_DX_U	Min	-500.226	-25.232	0.
42	0.49258	SLV_DX_U	Min	-496.513	-9.408	0.
42	0.	SLV_SX_U	Max	-698.6	-161.188	0.
42	0.24629	SLV_SX_U	Max	-703.469	-159.825	0.
42	0.49258	SLV_SX_U	Max	-708.339	-158.461	0.
42	0.	SLV_SX_U	Min	-698.6	-161.188	0.
42	0.24629	SLV_SX_U	Min	-703.469	-159.825	0.
42	0.49258	SLV_SX_U	Min	-708.339	-158.461	0.
43	0.	SLE	Max	-636.611	-9.481	0.
43	0.24626	SLE	Max	-641.564	-7.001	0.
43	0.49252	SLE	Max	-646.517	-4.521	0.
43	0.	SLE	Min	-636.611	-9.481	0.
43	0.24626	SLE	Min	-641.564	-7.001	0.
43	0.49252	SLE	Min	-646.517	-4.521	0.
43	0.	SLU	Max	-827.594	-12.325	0.
43	0.24626	SLU	Max	-834.033	-9.101	0.
43	0.49252	SLU	Max	-840.472	-5.878	0.
43	0.	SLU	Min	-827.594	-12.325	0.
43	0.24626	SLU	Min	-834.033	-9.101	0.
43	0.49252	SLU	Min	-840.472	-5.878	0.
43	0.	SLV_DX_D	Max	-641.075	14.553	0.
43	0.24626	SLV_DX_D	Max	-639.422	31.693	0.
43	0.49252	SLV_DX_D	Max	-637.769	48.833	0.
43	0.	SLV_DX_D	Min	-641.075	14.553	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
43	0.24626	SLV_DX_D	Min	-639.422	31.693	0.
43	0.49252	SLV_DX_D	Min	-637.769	48.833	0.
43	0.	SLV_SX_D	Max	-795.774	-61.23	0.
43	0.24626	SLV_SX_D	Max	-801.902	-59.63	0.
43	0.49252	SLV_SX_D	Max	-808.029	-58.03	0.
43	0.	SLV_SX_D	Min	-795.774	-61.23	0.
43	0.24626	SLV_SX_D	Min	-801.902	-59.63	0.
43	0.49252	SLV_SX_D	Min	-808.029	-58.03	0.
43	0.	SLV_DX_U	Max	-504.375	-13.398	0.
43	0.24626	SLV_DX_U	Max	-501.548	3.154	0.
43	0.49252	SLV_DX_U	Max	-498.721	19.707	0.
43	0.	SLV_DX_U	Min	-504.375	-13.398	0.
43	0.24626	SLV_DX_U	Min	-501.548	3.154	0.
43	0.49252	SLV_DX_U	Min	-498.721	19.707	0.
43	0.	SLV_SX_U	Max	-649.61	-66.511	0.
43	0.24626	SLV_SX_U	Max	-654.564	-65.499	0.
43	0.49252	SLV_SX_U	Max	-659.518	-64.487	0.
43	0.	SLV_SX_U	Min	-649.61	-66.511	0.
43	0.24626	SLV_SX_U	Min	-654.564	-65.499	0.
43	0.49252	SLV_SX_U	Min	-659.518	-64.487	0.
44	0.	SLE	Max	-652.92	-8.048	0.
44	0.2463	SLE	Max	-658.039	-5.928	0.
44	0.49259	SLE	Max	-663.157	-3.808	0.
44	0.	SLE	Min	-652.92	-8.048	0.
44	0.2463	SLE	Min	-658.039	-5.928	0.
44	0.49259	SLE	Min	-663.157	-3.808	0.
44	0.	SLU	Max	-848.797	-10.463	0.
44	0.2463	SLU	Max	-855.45	-7.707	0.
44	0.49259	SLU	Max	-862.104	-4.951	0.
44	0.	SLU	Min	-848.797	-10.463	0.
44	0.2463	SLU	Min	-855.45	-7.707	0.
44	0.49259	SLU	Min	-862.104	-4.951	0.
44	0.	SLV_DX_D	Max	-654.414	37.779	0.
44	0.2463	SLV_DX_D	Max	-653.802	55.448	0.
44	0.49259	SLV_DX_D	Max	-653.191	73.118	0.
44	0.	SLV_DX_D	Min	-654.414	37.779	0.
44	0.2463	SLV_DX_D	Min	-653.802	55.448	0.
44	0.49259	SLV_DX_D	Min	-653.191	73.118	0.
44	0.	SLV_SX_D	Max	-784.45	-3.347	0.
44	0.2463	SLV_SX_D	Max	-790.678	-2.189	0.
44	0.49259	SLV_SX_D	Max	-796.905	-1.031	0.
44	0.	SLV_SX_D	Min	-784.45	-3.347	0.
44	0.2463	SLV_SX_D	Min	-790.678	-2.189	0.
44	0.49259	SLV_SX_D	Min	-796.905	-1.031	0.
44	0.	SLV_DX_U	Max	-508.371	16.479	0.
44	0.2463	SLV_DX_U	Max	-506.546	33.646	0.
44	0.49259	SLV_DX_U	Max	-504.722	50.814	0.
44	0.	SLV_DX_U	Min	-508.371	16.479	0.
44	0.2463	SLV_DX_U	Min	-506.546	33.646	0.
44	0.49259	SLV_DX_U	Min	-504.722	50.814	0.
44	0.	SLV_SX_U	Max	-629.219	1.947	0.
44	0.2463	SLV_SX_U	Max	-634.233	2.602	0.
44	0.49259	SLV_SX_U	Max	-639.247	3.258	0.
44	0.	SLV_SX_U	Min	-629.219	1.947	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
44	0.2463	SLV_SX_U	Min	-634.233	2.602	0.
44	0.49259	SLV_SX_U	Min	-639.247	3.258	0.
45	0.	SLE	Max	-668.441	-4.361	0.
45	0.24625	SLE	Max	-673.697	-2.612	0.
45	0.49249	SLE	Max	-678.952	-0.863	0.
45	0.	SLE	Min	-668.441	-4.361	0.
45	0.24625	SLE	Min	-673.697	-2.612	0.
45	0.49249	SLE	Min	-678.952	-0.863	0.
45	0.	SLU	Max	-868.974	-5.669	0.
45	0.24625	SLU	Max	-875.806	-3.396	0.
45	0.49249	SLU	Max	-882.638	-1.122	0.
45	0.	SLU	Min	-868.974	-5.669	0.
45	0.24625	SLU	Min	-875.806	-3.396	0.
45	0.49249	SLU	Min	-882.638	-1.122	0.
45	0.	SLV_DX_D	Max	-670.554	61.485	0.
45	0.24625	SLV_DX_D	Max	-671.075	79.54	0.
45	0.49249	SLV_DX_D	Max	-671.596	97.596	0.
45	0.	SLV_DX_D	Min	-670.554	61.485	0.
45	0.24625	SLV_DX_D	Min	-671.075	79.54	0.
45	0.49249	SLV_DX_D	Min	-671.596	97.596	0.
45	0.	SLV_SX_D	Max	-788.742	36.966	0.
45	0.24625	SLV_SX_D	Max	-795.035	37.676	0.
45	0.49249	SLV_SX_D	Max	-801.328	38.387	0.
45	0.	SLV_SX_D	Min	-788.742	36.966	0.
45	0.24625	SLV_SX_D	Min	-795.035	37.676	0.
45	0.49249	SLV_SX_D	Min	-801.328	38.387	0.
45	0.	SLV_DX_U	Max	-516.004	48.216	0.
45	0.24625	SLV_DX_U	Max	-515.279	65.857	0.
45	0.49249	SLV_DX_U	Max	-514.555	83.498	0.
45	0.	SLV_DX_U	Min	-516.004	48.216	0.
45	0.24625	SLV_DX_U	Min	-515.279	65.857	0.
45	0.49249	SLV_DX_U	Min	-514.555	83.498	0.
45	0.	SLV_SX_U	Max	-628.115	47.304	0.
45	0.24625	SLV_SX_U	Max	-633.162	47.6	0.
45	0.49249	SLV_SX_U	Max	-638.209	47.896	0.
45	0.	SLV_SX_U	Min	-628.115	47.304	0.
45	0.24625	SLV_SX_U	Min	-633.162	47.6	0.
45	0.49249	SLV_SX_U	Min	-638.209	47.896	0.
46	0.	SLE	Max	-683.212	2.285	0.
46	0.2463	SLE	Max	-688.58	3.654	0.
46	0.4926	SLE	Max	-693.948	5.024	0.
46	0.	SLE	Min	-683.212	2.285	0.
46	0.2463	SLE	Min	-688.58	3.654	0.
46	0.4926	SLE	Min	-693.948	5.024	0.
46	0.	SLU	Max	-888.176	2.97	0.
46	0.2463	SLU	Max	-895.154	4.751	0.
46	0.4926	SLU	Max	-902.133	6.532	0.
46	0.	SLU	Min	-888.176	2.97	0.
46	0.2463	SLU	Min	-895.154	4.751	0.
46	0.4926	SLU	Min	-902.133	6.532	0.
46	0.	SLV_DX_D	Max	-689.181	85.314	0.
46	0.2463	SLV_DX_D	Max	-690.907	103.611	0.
46	0.4926	SLV_DX_D	Max	-692.633	121.909	0.
46	0.	SLV_DX_D	Min	-689.181	85.314	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
46	0.2463	SLV_DX_D	Min	-690.907	103.611	0.
46	0.4926	SLV_DX_D	Min	-692.633	121.909	0.
46	0.	SLV_SX_D	Max	-802.466	63.608	0.
46	0.2463	SLV_SX_D	Max	-808.795	63.868	0.
46	0.4926	SLV_SX_D	Max	-815.124	64.128	0.
46	0.	SLV_SX_D	Min	-802.466	63.608	0.
46	0.2463	SLV_SX_D	Min	-808.795	63.868	0.
46	0.4926	SLV_SX_D	Min	-815.124	64.128	0.
46	0.	SLV_DX_U	Max	-527.259	81.362	0.
46	0.2463	SLV_DX_U	Max	-527.713	99.335	0.
46	0.4926	SLV_DX_U	Max	-528.167	117.307	0.
46	0.	SLV_DX_U	Min	-527.259	81.362	0.
46	0.2463	SLV_DX_U	Min	-527.713	99.335	0.
46	0.4926	SLV_DX_U	Min	-528.167	117.307	0.
46	0.	SLV_SX_U	Max	-638.449	74.694	0.
46	0.2463	SLV_SX_U	Max	-643.505	74.63	0.
46	0.4926	SLV_SX_U	Max	-648.562	74.565	0.
46	0.	SLV_SX_U	Min	-638.449	74.694	0.
46	0.2463	SLV_SX_U	Min	-643.505	74.63	0.
46	0.4926	SLV_SX_U	Min	-648.562	74.565	0.
47	0.	SLE	Max	-697.423	12.729	0.
47	0.24627	SLE	Max	-702.874	13.713	0.
47	0.49253	SLE	Max	-708.325	14.697	0.
47	0.	SLE	Min	-697.423	12.729	0.
47	0.24627	SLE	Min	-702.874	13.713	0.
47	0.49253	SLE	Min	-708.325	14.697	0.
47	0.	SLU	Max	-906.649	16.548	0.
47	0.24627	SLU	Max	-913.736	17.827	0.
47	0.49253	SLU	Max	-920.823	19.106	0.
47	0.	SLU	Min	-906.649	16.548	0.
47	0.24627	SLU	Min	-913.736	17.827	0.
47	0.49253	SLU	Min	-920.823	19.106	0.
47	0.	SLV_DX_D	Max	-709.904	109.064	0.
47	0.24627	SLV_DX_D	Max	-712.884	127.436	0.
47	0.49253	SLV_DX_D	Max	-715.863	145.808	0.
47	0.	SLV_DX_D	Min	-709.904	109.064	0.
47	0.24627	SLV_DX_D	Min	-712.884	127.436	0.
47	0.49253	SLV_DX_D	Min	-715.863	145.808	0.
47	0.	SLV_SX_D	Max	-820.971	81.487	0.
47	0.24627	SLV_SX_D	Max	-827.302	81.296	0.
47	0.49253	SLV_SX_D	Max	-833.632	81.105	0.
47	0.	SLV_SX_D	Min	-820.971	81.487	0.
47	0.24627	SLV_SX_D	Min	-827.302	81.296	0.
47	0.49253	SLV_SX_D	Min	-833.632	81.105	0.
47	0.	SLV_DX_U	Max	-542.042	115.554	0.
47	0.24627	SLV_DX_U	Max	-543.729	133.693	0.
47	0.49253	SLV_DX_U	Max	-545.417	151.831	0.
47	0.	SLV_DX_U	Min	-542.042	115.554	0.
47	0.24627	SLV_DX_U	Min	-543.729	133.693	0.
47	0.49253	SLV_DX_U	Min	-545.417	151.831	0.
47	0.	SLV_SX_U	Max	-654.368	90.499	0.
47	0.24627	SLV_SX_U	Max	-659.406	90.074	0.
47	0.49253	SLV_SX_U	Max	-664.445	89.65	0.
47	0.	SLV_SX_U	Min	-654.368	90.499	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
47	0.24627	SLV_SX_U	Min	-659.406	90.074	0.
47	0.49253	SLV_SX_U	Min	-664.445	89.65	0.
48	0.	SLE	Max	-711.426	27.398	0.
48	0.24631	SLE	Max	-716.935	27.99	0.
48	0.49262	SLE	Max	-722.444	28.581	0.
48	0.	SLE	Min	-711.426	27.398	0.
48	0.24631	SLE	Min	-716.935	27.99	0.
48	0.49262	SLE	Min	-722.444	28.581	0.
48	0.	SLU	Max	-924.854	35.618	0.
48	0.24631	SLU	Max	-932.016	36.387	0.
48	0.49262	SLU	Max	-939.177	37.156	0.
48	0.	SLU	Min	-924.854	35.618	0.
48	0.24631	SLU	Min	-932.016	36.387	0.
48	0.49262	SLU	Min	-939.177	37.156	0.
48	0.	SLV_DX_D	Max	-732.325	132.186	0.
48	0.24631	SLV_DX_D	Max	-736.595	150.467	0.
48	0.49262	SLV_DX_D	Max	-740.864	168.749	0.
48	0.	SLV_DX_D	Min	-732.325	132.186	0.
48	0.24631	SLV_DX_D	Min	-736.595	150.467	0.
48	0.49262	SLV_DX_D	Min	-740.864	168.749	0.
48	0.	SLV_SX_D	Max	-841.287	95.304	0.
48	0.24631	SLV_SX_D	Max	-847.589	94.66	0.
48	0.49262	SLV_SX_D	Max	-853.891	94.017	0.
48	0.	SLV_SX_D	Min	-841.287	95.304	0.
48	0.24631	SLV_SX_D	Min	-847.589	94.66	0.
48	0.49262	SLV_SX_D	Min	-853.891	94.017	0.
48	0.	SLV_DX_U	Max	-560.245	150.122	0.
48	0.24631	SLV_DX_U	Max	-563.209	168.263	0.
48	0.49262	SLV_DX_U	Max	-566.173	186.405	0.
48	0.	SLV_DX_U	Min	-560.245	150.122	0.
48	0.24631	SLV_DX_U	Min	-563.209	168.263	0.
48	0.49262	SLV_DX_U	Min	-566.173	186.405	0.
48	0.	SLV_SX_U	Max	-672.206	101.119	0.
48	0.24631	SLV_SX_U	Max	-677.202	100.334	0.
48	0.49262	SLV_SX_U	Max	-682.198	99.55	0.
48	0.	SLV_SX_U	Min	-672.206	101.119	0.
48	0.24631	SLV_SX_U	Min	-677.202	100.334	0.
48	0.49262	SLV_SX_U	Min	-682.198	99.55	0.
49	0.	SLE	Max	-725.762	47.441	0.
49	0.24626	SLE	Max	-731.298	47.639	0.
49	0.49251	SLE	Max	-736.833	47.837	0.
49	0.	SLE	Min	-725.762	47.441	0.
49	0.24626	SLE	Min	-731.298	47.639	0.
49	0.49251	SLE	Min	-736.833	47.837	0.
49	0.	SLU	Max	-943.49	61.673	0.
49	0.24626	SLU	Max	-950.687	61.931	0.
49	0.49251	SLU	Max	-957.883	62.188	0.
49	0.	SLU	Min	-943.49	61.673	0.
49	0.24626	SLU	Min	-950.687	61.931	0.
49	0.49251	SLU	Min	-957.883	62.188	0.
49	0.	SLV_DX_D	Max	-755.88	155.154	0.
49	0.24626	SLV_DX_D	Max	-761.436	173.165	0.
49	0.49251	SLV_DX_D	Max	-766.991	191.177	0.
49	0.	SLV_DX_D	Min	-755.88	155.154	0.

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
49	0.24626	SLV_DX_D	Min	-761.436	173.165	0.
49	0.49251	SLV_DX_D	Min	-766.991	191.177	0.
49	0.	SLV_SX_D	Max	-861.946	110.465	0.
49	0.24626	SLV_SX_D	Max	-868.184	109.375	0.
49	0.49251	SLV_SX_D	Max	-874.423	108.284	0.
49	0.	SLV_SX_D	Min	-861.946	110.465	0.
49	0.24626	SLV_SX_D	Min	-868.184	109.375	0.
49	0.49251	SLV_SX_D	Min	-874.423	108.284	0.
49	0.	SLV_DX_U	Max	-581.556	185.151	0.
49	0.24626	SLV_DX_U	Max	-585.799	203.116	0.
49	0.49251	SLV_DX_U	Max	-590.043	221.08	0.
49	0.	SLV_DX_U	Min	-581.556	185.151	0.
49	0.24626	SLV_DX_U	Min	-585.799	203.116	0.
49	0.49251	SLV_DX_U	Min	-590.043	221.08	0.
49	0.	SLV_SX_U	Max	-690.275	113.484	0.
49	0.24626	SLV_SX_U	Max	-695.201	112.346	0.
49	0.49251	SLV_SX_U	Max	-700.128	111.209	0.
49	0.	SLV_SX_U	Min	-690.275	113.484	0.
49	0.24626	SLV_SX_U	Min	-695.201	112.346	0.
49	0.49251	SLV_SX_U	Min	-700.128	111.209	0.
50	0.	SLE	Max	-742.395	86.686	1.078E-14
50	0.22552	SLE	Max	-747.467	86.612	1.077E-14
50	0.45105	SLE	Max	-752.539	86.538	1.076E-14
50	0.	SLE	Min	-742.395	86.686	1.078E-14
50	0.22552	SLE	Min	-747.467	86.612	1.077E-14
50	0.45105	SLE	Min	-752.539	86.538	1.076E-14
50	0.	SLU	Max	-965.113	112.692	1.401E-14
50	0.22552	SLU	Max	-971.707	112.596	1.400E-14
50	0.45105	SLU	Max	-978.301	112.499	1.399E-14
50	0.	SLU	Min	-965.113	112.692	1.401E-14
50	0.22552	SLU	Min	-971.707	112.596	1.400E-14
50	0.45105	SLU	Min	-978.301	112.499	1.399E-14
50	0.	SLV_DX_D	Max	-779.58	193.854	2.414E-14
50	0.22552	SLV_DX_D	Max	-785.492	210.08	2.613E-14
50	0.45105	SLV_DX_D	Max	-791.404	226.306	2.811E-14
50	0.	SLV_DX_D	Min	-779.58	193.854	2.414E-14
50	0.22552	SLV_DX_D	Min	-785.492	210.08	2.613E-14
50	0.45105	SLV_DX_D	Min	-791.404	226.306	2.811E-14
50	0.	SLV_SX_D	Max	-883.308	147.077	1.829E-14
50	0.22552	SLV_SX_D	Max	-888.964	145.792	1.813E-14
50	0.45105	SLV_SX_D	Max	-894.619	144.506	1.797E-14
50	0.	SLV_SX_D	Min	-883.308	147.077	1.829E-14
50	0.22552	SLV_SX_D	Min	-888.964	145.792	1.813E-14
50	0.45105	SLV_SX_D	Min	-894.619	144.506	1.797E-14
50	0.	SLV_DX_U	Max	-603.657	232.64	2.896E-14
50	0.22552	SLV_DX_U	Max	-608.367	248.884	3.095E-14
50	0.45105	SLV_DX_U	Max	-613.077	265.127	3.294E-14
50	0.	SLV_DX_U	Min	-603.657	232.64	2.896E-14
50	0.22552	SLV_DX_U	Min	-608.367	248.884	3.095E-14
50	0.45105	SLV_DX_U	Min	-613.077	265.127	3.294E-14
50	0.	SLV_SX_U	Max	-708.493	146.306	1.819E-14
50	0.22552	SLV_SX_U	Max	-712.947	145.038	1.804E-14
50	0.45105	SLV_SX_U	Max	-717.401	143.771	1.788E-14
50	0.	SLV_SX_U	Min	-708.493	146.306	1.819E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
50	0.22552	SLV_SX_U	Min	-712.947	145.038	1.804E-14
50	0.45105	SLV_SX_U	Min	-717.401	143.771	1.788E-14
51	0.	SLE	Max	-756.418	101.052	1.252E-14
51	0.22547	SLE	Max	-761.598	100.822	1.249E-14
51	0.45094	SLE	Max	-766.777	100.592	1.247E-14
51	0.	SLE	Min	-756.418	101.052	1.252E-14
51	0.22547	SLE	Min	-761.598	100.822	1.249E-14
51	0.45094	SLE	Min	-766.777	100.592	1.247E-14
51	0.	SLU	Max	-983.344	131.368	1.628E-14
51	0.22547	SLU	Max	-990.077	131.069	1.624E-14
51	0.45094	SLU	Max	-996.81	130.77	1.621E-14
51	0.	SLU	Min	-983.344	131.368	1.628E-14
51	0.22547	SLU	Min	-990.077	131.069	1.624E-14
51	0.45094	SLU	Min	-996.81	130.77	1.621E-14
51	0.	SLV_DX_D	Max	-797.782	202.679	2.514E-14
51	0.22547	SLV_DX_D	Max	-804.299	218.726	2.711E-14
51	0.45094	SLV_DX_D	Max	-810.816	234.773	2.907E-14
51	0.	SLV_DX_D	Min	-797.782	202.679	2.514E-14
51	0.22547	SLV_DX_D	Min	-804.299	218.726	2.711E-14
51	0.45094	SLV_DX_D	Min	-810.816	234.773	2.907E-14
51	0.	SLV_SX_D	Max	-900.565	163.918	2.031E-14
51	0.22547	SLV_SX_D	Max	-906.304	162.434	2.013E-14
51	0.45094	SLV_SX_D	Max	-912.042	160.949	1.995E-14
51	0.	SLV_SX_D	Min	-900.565	163.918	2.031E-14
51	0.22547	SLV_SX_D	Min	-906.304	162.434	2.013E-14
51	0.45094	SLV_SX_D	Min	-912.042	160.949	1.995E-14
51	0.	SLV_DX_U	Max	-620.688	246.784	3.061E-14
51	0.22547	SLV_DX_U	Max	-625.977	262.886	3.258E-14
51	0.45094	SLV_DX_U	Max	-631.267	278.988	3.455E-14
51	0.	SLV_DX_U	Min	-620.688	246.784	3.061E-14
51	0.22547	SLV_DX_U	Min	-625.977	262.886	3.258E-14
51	0.45094	SLV_DX_U	Min	-631.267	278.988	3.455E-14
51	0.	SLV_SX_U	Max	-722.995	159.263	1.974E-14
51	0.22547	SLV_SX_U	Max	-727.506	157.833	1.956E-14
51	0.45094	SLV_SX_U	Max	-732.017	156.403	1.939E-14
51	0.	SLV_SX_U	Min	-722.995	159.263	1.974E-14
51	0.22547	SLV_SX_U	Min	-727.506	157.833	1.956E-14
51	0.45094	SLV_SX_U	Min	-732.017	156.403	1.939E-14
52	0.	SLE	Max	-772.321	117.752	1.450E-14
52	0.22556	SLE	Max	-777.718	117.354	1.445E-14
52	0.45112	SLE	Max	-783.115	116.955	1.440E-14
52	0.	SLE	Min	-772.321	117.752	1.450E-14
52	0.22556	SLE	Min	-777.718	117.354	1.445E-14
52	0.45112	SLE	Min	-783.115	116.955	1.440E-14
52	0.	SLU	Max	-1004.017	153.078	1.885E-14
52	0.22556	SLU	Max	-1011.034	152.56	1.879E-14
52	0.45112	SLU	Max	-1018.05	152.042	1.872E-14
52	0.	SLU	Min	-1004.017	153.078	1.885E-14
52	0.22556	SLU	Min	-1011.034	152.56	1.879E-14
52	0.45112	SLU	Min	-1018.05	152.042	1.872E-14
52	0.	SLV_DX_D	Max	-817.344	210.924	2.599E-14
52	0.22556	SLV_DX_D	Max	-824.585	226.788	2.793E-14
52	0.45112	SLV_DX_D	Max	-831.825	242.652	2.987E-14
52	0.	SLV_DX_D	Min	-817.344	210.924	2.599E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
52	0.22556	SLV_DX_D	Min	-824.585	226.788	2.793E-14
52	0.45112	SLV_DX_D	Min	-831.825	242.652	2.987E-14
52	0.	SLV_SX_D	Max	-920.276	187.165	2.305E-14
52	0.22556	SLV_SX_D	Max	-926.219	185.441	2.284E-14
52	0.45112	SLV_SX_D	Max	-932.161	183.716	2.263E-14
52	0.	SLV_SX_D	Min	-920.276	187.165	2.305E-14
52	0.22556	SLV_SX_D	Min	-926.219	185.441	2.284E-14
52	0.45112	SLV_SX_D	Min	-932.161	183.716	2.263E-14
52	0.	SLV_DX_U	Max	-639.167	260.378	3.208E-14
52	0.22556	SLV_DX_U	Max	-645.129	276.337	3.403E-14
52	0.45112	SLV_DX_U	Max	-651.09	292.296	3.599E-14
52	0.	SLV_DX_U	Min	-639.167	260.378	3.208E-14
52	0.22556	SLV_DX_U	Min	-645.129	276.337	3.403E-14
52	0.45112	SLV_DX_U	Min	-651.09	292.296	3.599E-14
52	0.	SLV_SX_U	Max	-739.811	182.695	2.250E-14
52	0.22556	SLV_SX_U	Max	-744.475	181.065	2.230E-14
52	0.45112	SLV_SX_U	Max	-749.138	179.434	2.210E-14
52	0.	SLV_SX_U	Min	-739.811	182.695	2.250E-14
52	0.22556	SLV_SX_U	Min	-744.475	181.065	2.230E-14
52	0.45112	SLV_SX_U	Min	-749.138	179.434	2.210E-14
53	0.	SLE	Max	-790.408	134.415	1.636E-14
53	0.2255	SLE	Max	-796.294	133.806	1.629E-14
53	0.45099	SLE	Max	-802.18	133.197	1.621E-14
53	0.	SLE	Min	-790.408	134.415	1.636E-14
53	0.2255	SLE	Min	-796.294	133.806	1.629E-14
53	0.45099	SLE	Min	-802.18	133.197	1.621E-14
53	0.	SLU	Max	-1027.531	174.739	2.127E-14
53	0.2255	SLU	Max	-1035.183	173.948	2.117E-14
53	0.45099	SLU	Max	-1042.835	173.156	2.107E-14
53	0.	SLU	Min	-1027.531	174.739	2.127E-14
53	0.2255	SLU	Min	-1035.183	173.948	2.117E-14
53	0.45099	SLU	Min	-1042.835	173.156	2.107E-14
53	0.	SLV_DX_D	Max	-838.596	218.055	2.653E-14
53	0.2255	SLV_DX_D	Max	-846.87	233.717	2.845E-14
53	0.45099	SLV_DX_D	Max	-855.144	249.38	3.036E-14
53	0.	SLV_DX_D	Min	-838.596	218.055	2.653E-14
53	0.2255	SLV_DX_D	Min	-846.87	233.717	2.845E-14
53	0.45099	SLV_DX_D	Min	-855.144	249.38	3.036E-14
53	0.	SLV_SX_D	Max	-943.277	215.37	2.622E-14
53	0.2255	SLV_SX_D	Max	-949.716	213.294	2.596E-14
53	0.45099	SLV_SX_D	Max	-956.155	211.218	2.571E-14
53	0.	SLV_SX_D	Min	-943.277	215.37	2.622E-14
53	0.2255	SLV_SX_D	Min	-949.716	213.294	2.596E-14
53	0.45099	SLV_SX_D	Min	-956.155	211.218	2.571E-14
53	0.	SLV_DX_U	Max	-659.402	273.026	3.322E-14
53	0.2255	SLV_DX_U	Max	-666.281	288.833	3.515E-14
53	0.45099	SLV_DX_U	Max	-673.16	304.64	3.709E-14
53	0.	SLV_DX_U	Min	-659.402	273.026	3.322E-14
53	0.2255	SLV_DX_U	Min	-666.281	288.833	3.515E-14
53	0.45099	SLV_DX_U	Min	-673.16	304.64	3.709E-14
53	0.	SLV_SX_U	Max	-760.203	216.435	2.634E-14
53	0.2255	SLV_SX_U	Max	-765.247	214.504	2.611E-14
53	0.45099	SLV_SX_U	Max	-770.292	212.572	2.587E-14
53	0.	SLV_SX_U	Min	-760.203	216.435	2.634E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
53	0.2255	SLV_SX_U	Min	-765.247	214.504	2.611E-14
53	0.45099	SLV_SX_U	Min	-770.292	212.572	2.587E-14
54	0.	SLE	Max	-810.977	148.627	1.791E-14
54	0.22548	SLE	Max	-817.401	147.771	1.781E-14
54	0.45096	SLE	Max	-823.824	146.914	1.770E-14
54	0.	SLE	Min	-810.977	148.627	1.791E-14
54	0.22548	SLE	Min	-817.401	147.771	1.781E-14
54	0.45096	SLE	Min	-823.824	146.914	1.770E-14
54	0.	SLU	Max	-1054.27	193.216	2.328E-14
54	0.22548	SLU	Max	-1062.621	192.102	2.315E-14
54	0.45096	SLU	Max	-1070.972	190.989	2.301E-14
54	0.	SLU	Min	-1054.27	193.216	2.328E-14
54	0.22548	SLU	Min	-1062.621	192.102	2.315E-14
54	0.45096	SLU	Min	-1070.972	190.989	2.301E-14
54	0.	SLV_DX_D	Max	-862.12	224.027	2.696E-14
54	0.22548	SLV_DX_D	Max	-871.487	239.435	2.885E-14
54	0.45096	SLV_DX_D	Max	-880.854	254.842	3.074E-14
54	0.	SLV_DX_D	Min	-862.12	224.027	2.696E-14
54	0.22548	SLV_DX_D	Min	-871.487	239.435	2.885E-14
54	0.45096	SLV_DX_D	Min	-880.854	254.842	3.074E-14
54	0.	SLV_SX_D	Max	-970.428	246.399	2.969E-14
54	0.22548	SLV_SX_D	Max	-977.41	243.919	2.939E-14
54	0.45096	SLV_SX_D	Max	-984.392	241.439	2.909E-14
54	0.	SLV_SX_D	Min	-970.428	246.399	2.969E-14
54	0.22548	SLV_SX_D	Min	-977.41	243.919	2.939E-14
54	0.45096	SLV_SX_D	Min	-984.392	241.439	2.909E-14
54	0.	SLV_DX_U	Max	-681.849	284.662	3.427E-14
54	0.22548	SLV_DX_U	Max	-689.693	300.272	3.618E-14
54	0.45096	SLV_DX_U	Max	-697.538	315.883	3.809E-14
54	0.	SLV_DX_U	Min	-681.849	284.662	3.427E-14
54	0.22548	SLV_DX_U	Min	-689.693	300.272	3.618E-14
54	0.45096	SLV_DX_U	Min	-697.538	315.883	3.809E-14
54	0.	SLV_SX_U	Max	-785.501	259.35	3.125E-14
54	0.22548	SLV_SX_U	Max	-790.96	257.072	3.098E-14
54	0.45096	SLV_SX_U	Max	-796.42	254.795	3.070E-14
54	0.	SLV_SX_U	Min	-785.501	259.35	3.125E-14
54	0.22548	SLV_SX_U	Min	-790.96	257.072	3.098E-14
54	0.45096	SLV_SX_U	Min	-796.42	254.795	3.070E-14
55	0.	SLE	Max	-834.712	159.101	1.848E-14
55	0.27332	SLE	Max	-844.819	157.416	1.827E-14
55	0.54664	SLE	Max	-854.926	155.731	1.806E-14
55	0.	SLE	Min	-834.712	159.101	1.848E-14
55	0.27332	SLE	Min	-844.819	157.416	1.827E-14
55	0.54664	SLE	Min	-854.926	155.731	1.806E-14
55	0.	SLU	Max	-1085.125	206.831	2.402E-14
55	0.27332	SLU	Max	-1098.264	204.641	2.375E-14
55	0.54664	SLU	Max	-1111.404	202.45	2.348E-14
55	0.	SLU	Min	-1085.125	206.831	2.402E-14
55	0.27332	SLU	Min	-1098.264	204.641	2.375E-14
55	0.54664	SLU	Min	-1111.404	202.45	2.348E-14
55	0.	SLV_DX_D	Max	-888.7	225.911	2.610E-14
55	0.27332	SLV_DX_D	Max	-903.374	244.239	2.835E-14
55	0.54664	SLV_DX_D	Max	-918.049	262.567	3.059E-14
55	0.	SLV_DX_D	Min	-888.7	225.911	2.610E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
55	0.27332	SLV_DX_D	Min	-903.374	244.239	2.835E-14
55	0.54664	SLV_DX_D	Min	-918.049	262.567	3.059E-14
55	0.	SLV_SX_D	Max	-1003.813	281.516	3.270E-14
55	0.27332	SLV_SX_D	Max	-1014.718	277.236	3.218E-14
55	0.54664	SLV_SX_D	Max	-1025.624	272.956	3.165E-14
55	0.	SLV_SX_D	Min	-1003.813	281.516	3.270E-14
55	0.27332	SLV_SX_D	Min	-1014.718	277.236	3.218E-14
55	0.54664	SLV_SX_D	Min	-1025.624	272.956	3.165E-14
55	0.	SLV_DX_U	Max	-707.48	292.939	3.388E-14
55	0.27332	SLV_DX_U	Max	-719.759	311.666	3.617E-14
55	0.54664	SLV_DX_U	Max	-732.039	330.393	3.847E-14
55	0.	SLV_DX_U	Min	-707.48	292.939	3.388E-14
55	0.27332	SLV_DX_U	Min	-719.759	311.666	3.617E-14
55	0.54664	SLV_DX_U	Min	-732.039	330.393	3.847E-14
55	0.	SLV_SX_U	Max	-818.776	315.39	3.663E-14
55	0.27332	SLV_SX_U	Max	-827.286	311.51	3.616E-14
55	0.54664	SLV_SX_U	Max	-835.796	307.629	3.568E-14
55	0.	SLV_SX_U	Min	-818.776	315.39	3.663E-14
55	0.27332	SLV_SX_U	Min	-827.286	311.51	3.616E-14
55	0.54664	SLV_SX_U	Min	-835.796	307.629	3.568E-14
56	0.	SLE	Max	-634.792	-333.888	-3.658E-14
56	0.40185	SLE	Max	-643.752	-345.999	-3.806E-14
56	0.8037	SLE	Max	-652.712	-358.11	-3.954E-14
56	0.	SLE	Min	-634.792	-333.888	-3.658E-14
56	0.40185	SLE	Min	-643.752	-345.999	-3.806E-14
56	0.8037	SLE	Min	-652.712	-358.11	-3.954E-14
56	0.	SLU	Max	-825.23	-434.055	-4.755E-14
56	0.40185	SLU	Max	-836.878	-449.799	-4.948E-14
56	0.8037	SLU	Max	-848.526	-465.543	-5.141E-14
56	0.	SLU	Min	-825.23	-434.055	-4.755E-14
56	0.40185	SLU	Min	-836.878	-449.799	-4.948E-14
56	0.8037	SLU	Min	-848.526	-465.543	-5.141E-14
56	0.	SLV_DX_D	Max	-764.241	-343.716	-3.767E-14
56	0.40185	SLV_DX_D	Max	-777.133	-355.139	-3.907E-14
56	0.8037	SLV_DX_D	Max	-790.025	-366.561	-4.046E-14
56	0.	SLV_DX_D	Min	-764.241	-343.716	-3.767E-14
56	0.40185	SLV_DX_D	Min	-777.133	-355.139	-3.907E-14
56	0.8037	SLV_DX_D	Min	-790.025	-366.561	-4.046E-14
56	0.	SLV_SX_D	Max	-855.956	-353.385	-3.868E-14
56	0.40185	SLV_SX_D	Max	-863.107	-369.054	-4.060E-14
56	0.8037	SLV_SX_D	Max	-870.259	-384.724	-4.252E-14
56	0.	SLV_SX_D	Min	-855.956	-353.385	-3.868E-14
56	0.40185	SLV_SX_D	Min	-863.107	-369.054	-4.060E-14
56	0.8037	SLV_SX_D	Min	-870.259	-384.724	-4.252E-14
56	0.	SLV_DX_U	Max	-721.671	-225.092	-2.465E-14
56	0.40185	SLV_DX_U	Max	-732.439	-233.644	-2.570E-14
56	0.8037	SLV_DX_U	Max	-743.208	-242.196	-2.675E-14
56	0.	SLV_DX_U	Min	-721.671	-225.092	-2.465E-14
56	0.40185	SLV_DX_U	Min	-732.439	-233.644	-2.570E-14
56	0.8037	SLV_DX_U	Min	-743.208	-242.196	-2.675E-14
56	0.	SLV_SX_U	Max	-794.554	-242.635	-2.653E-14
56	0.40185	SLV_SX_U	Max	-799.582	-255.434	-2.810E-14
56	0.8037	SLV_SX_U	Max	-804.61	-268.233	-2.967E-14
56	0.	SLV_SX_U	Min	-794.554	-242.635	-2.653E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
56	0.40185	SLV_SX_U	Min	-799.582	-255.434	-2.810E-14
56	0.8037	SLV_SX_U	Min	-804.61	-268.233	-2.967E-14
57	0.	SLE	Max	-458.222	-143.051	-1.558E-14
57	0.40188	SLE	Max	-466.243	-155.805	-1.714E-14
57	0.80377	SLE	Max	-474.264	-168.558	-1.870E-14
57	0.	SLE	Min	-458.222	-143.051	-1.558E-14
57	0.40188	SLE	Min	-466.243	-155.805	-1.714E-14
57	0.80377	SLE	Min	-474.264	-168.558	-1.870E-14
57	0.	SLU	Max	-595.689	-185.966	-2.025E-14
57	0.40188	SLU	Max	-606.116	-202.546	-2.228E-14
57	0.80377	SLU	Max	-616.543	-219.126	-2.431E-14
57	0.	SLU	Min	-595.689	-185.966	-2.025E-14
57	0.40188	SLU	Min	-606.116	-202.546	-2.228E-14
57	0.80377	SLU	Min	-616.543	-219.126	-2.431E-14
57	0.	SLV_DX_D	Max	-608.412	-183.958	-2.008E-14
57	0.40188	SLV_DX_D	Max	-620.406	-196.322	-2.160E-14
57	0.80377	SLV_DX_D	Max	-632.4	-208.686	-2.311E-14
57	0.	SLV_DX_D	Min	-608.412	-183.958	-2.008E-14
57	0.40188	SLV_DX_D	Min	-620.406	-196.322	-2.160E-14
57	0.80377	SLV_DX_D	Min	-632.4	-208.686	-2.311E-14
57	0.	SLV_SX_D	Max	-664.975	-173.03	-1.883E-14
57	0.40188	SLV_SX_D	Max	-670.924	-189.196	-2.081E-14
57	0.80377	SLV_SX_D	Max	-676.872	-205.362	-2.279E-14
57	0.	SLV_SX_D	Min	-664.975	-173.03	-1.883E-14
57	0.40188	SLV_SX_D	Min	-670.924	-189.196	-2.081E-14
57	0.80377	SLV_SX_D	Min	-676.872	-205.362	-2.279E-14
57	0.	SLV_DX_U	Max	-626.071	-143.796	-1.570E-14
57	0.40188	SLV_DX_U	Max	-636.164	-153.138	-1.685E-14
57	0.80377	SLV_DX_U	Max	-646.257	-162.479	-1.799E-14
57	0.	SLV_DX_U	Min	-626.071	-143.796	-1.570E-14
57	0.40188	SLV_DX_U	Min	-636.164	-153.138	-1.685E-14
57	0.80377	SLV_DX_U	Min	-646.257	-162.479	-1.799E-14
57	0.	SLV_SX_U	Max	-667.229	-145.607	-1.585E-14
57	0.40188	SLV_SX_U	Max	-671.277	-158.75	-1.746E-14
57	0.80377	SLV_SX_U	Max	-675.324	-171.894	-1.907E-14
57	0.	SLV_SX_U	Min	-667.229	-145.607	-1.585E-14
57	0.40188	SLV_SX_U	Min	-671.277	-158.75	-1.746E-14
57	0.80377	SLV_SX_U	Min	-675.324	-171.894	-1.907E-14
58	0.	SLE	Max	-396.484	-49.02	-6.003E-15
58	0.25311	SLE	Max	-399.516	-54.572	-6.683E-15
58	0.50622	SLE	Max	-402.548	-60.124	-7.363E-15
58	0.	SLE	Min	-396.484	-49.02	-6.003E-15
58	0.25311	SLE	Min	-399.516	-54.572	-6.683E-15
58	0.50622	SLE	Min	-402.548	-60.124	-7.363E-15
58	0.	SLU	Max	-515.43	-63.726	-7.804E-15
58	0.25311	SLU	Max	-519.371	-70.944	-8.688E-15
58	0.50622	SLU	Max	-523.312	-78.161	-9.572E-15
58	0.	SLU	Min	-515.43	-63.726	-7.804E-15
58	0.25311	SLU	Min	-519.371	-70.944	-8.688E-15
58	0.50622	SLU	Min	-523.312	-78.161	-9.572E-15
58	0.	SLV_DX_D	Max	-546.017	-93.899	-1.150E-14
58	0.25311	SLV_DX_D	Max	-550.724	-99.391	-1.217E-14
58	0.50622	SLV_DX_D	Max	-555.431	-104.882	-1.284E-14
58	0.	SLV_DX_D	Min	-546.017	-93.899	-1.150E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
58	0.25311	SLV_DX_D	Min	-550.724	-99.391	-1.217E-14
58	0.50622	SLV_DX_D	Min	-555.431	-104.882	-1.284E-14
58	0.	SLV_SX_D	Max	-590.286	-79.928	-9.788E-15
58	0.25311	SLV_SX_D	Max	-592.361	-86.856	-1.064E-14
58	0.50622	SLV_SX_D	Max	-594.436	-93.785	-1.149E-14
58	0.	SLV_SX_D	Min	-590.286	-79.928	-9.788E-15
58	0.25311	SLV_SX_D	Min	-592.361	-86.856	-1.064E-14
58	0.50622	SLV_SX_D	Min	-594.436	-93.785	-1.149E-14
58	0.	SLV_DX_U	Max	-577.035	-87.871	-1.076E-14
58	0.25311	SLV_DX_U	Max	-581.024	-92.046	-1.127E-14
58	0.50622	SLV_DX_U	Max	-585.012	-96.222	-1.178E-14
58	0.	SLV_DX_U	Min	-577.035	-87.871	-1.076E-14
58	0.25311	SLV_DX_U	Min	-581.024	-92.046	-1.127E-14
58	0.50622	SLV_DX_U	Min	-585.012	-96.222	-1.178E-14
58	0.	SLV_SX_U	Max	-611.695	-88.856	-1.088E-14
58	0.25311	SLV_SX_U	Max	-613.051	-94.469	-1.157E-14
58	0.50622	SLV_SX_U	Max	-614.408	-100.081	-1.226E-14
58	0.	SLV_SX_U	Min	-611.695	-88.856	-1.088E-14
58	0.25311	SLV_SX_U	Min	-613.051	-94.469	-1.157E-14
58	0.50622	SLV_SX_U	Min	-614.408	-100.081	-1.226E-14
59	0.	SLE	Max	-400.386	-30.263	-3.706E-15
59	0.25309	SLE	Max	-403.15	-35.953	-4.403E-15
59	0.50619	SLE	Max	-405.915	-41.642	-5.100E-15
59	0.	SLE	Min	-400.386	-30.263	-3.706E-15
59	0.25309	SLE	Min	-403.15	-35.953	-4.403E-15
59	0.50619	SLE	Min	-405.915	-41.642	-5.100E-15
59	0.	SLU	Max	-520.502	-39.342	-4.818E-15
59	0.25309	SLU	Max	-524.096	-46.738	-5.724E-15
59	0.50619	SLU	Max	-527.689	-54.135	-6.630E-15
59	0.	SLU	Min	-520.502	-39.342	-4.818E-15
59	0.25309	SLU	Min	-524.096	-46.738	-5.724E-15
59	0.50619	SLU	Min	-527.689	-54.135	-6.630E-15
59	0.	SLV_DX_D	Max	-550.85	-86.491	-1.059E-14
59	0.25309	SLV_DX_D	Max	-555.291	-92.2	-1.129E-14
59	0.50619	SLV_DX_D	Max	-559.731	-97.908	-1.199E-14
59	0.	SLV_DX_D	Min	-550.85	-86.491	-1.059E-14
59	0.25309	SLV_DX_D	Min	-555.291	-92.2	-1.129E-14
59	0.50619	SLV_DX_D	Min	-559.731	-97.908	-1.199E-14
59	0.	SLV_SX_D	Max	-590.825	-57.945	-7.096E-15
59	0.25309	SLV_SX_D	Max	-592.568	-64.964	-7.956E-15
59	0.50619	SLV_SX_D	Max	-594.311	-71.983	-8.815E-15
59	0.	SLV_SX_D	Min	-590.825	-57.945	-7.096E-15
59	0.25309	SLV_SX_D	Min	-592.568	-64.964	-7.956E-15
59	0.50619	SLV_SX_D	Min	-594.311	-71.983	-8.815E-15
59	0.	SLV_DX_U	Max	-580.334	-98.743	-1.209E-14
59	0.25309	SLV_DX_U	Max	-584.119	-103.103	-1.263E-14
59	0.50619	SLV_DX_U	Max	-587.904	-107.463	-1.316E-14
59	0.	SLV_DX_U	Min	-580.334	-98.743	-1.209E-14
59	0.25309	SLV_DX_U	Min	-584.119	-103.103	-1.263E-14
59	0.50619	SLV_DX_U	Min	-587.904	-107.463	-1.316E-14
59	0.	SLV_SX_U	Max	-610.355	-70.76	-8.666E-15
59	0.25309	SLV_SX_U	Max	-611.443	-76.43	-9.360E-15
59	0.50619	SLV_SX_U	Max	-612.531	-82.101	-1.005E-14
59	0.	SLV_SX_U	Min	-610.355	-70.76	-8.666E-15

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
59	0.25309	SLV_SX_U	Min	-611.443	-76.43	-9.360E-15
59	0.50619	SLV_SX_U	Min	-612.531	-82.101	-1.005E-14
60	0.	SLE	Max	-404.541	-15.523	-1.901E-15
60	0.25314	SLE	Max	-407.032	-21.339	-2.613E-15
60	0.50628	SLE	Max	-409.522	-27.155	-3.325E-15
60	0.	SLE	Min	-404.541	-15.523	-1.901E-15
60	0.25314	SLE	Min	-407.032	-21.339	-2.613E-15
60	0.50628	SLE	Min	-409.522	-27.155	-3.325E-15
60	0.	SLU	Max	-525.904	-20.18	-2.471E-15
60	0.25314	SLU	Max	-529.141	-27.741	-3.397E-15
60	0.50628	SLU	Max	-532.379	-35.301	-4.323E-15
60	0.	SLU	Min	-525.904	-20.18	-2.471E-15
60	0.25314	SLU	Min	-529.141	-27.741	-3.397E-15
60	0.50628	SLU	Min	-532.379	-35.301	-4.323E-15
60	0.	SLV_DX_D	Max	-555.534	-77.005	-9.430E-15
60	0.25314	SLV_DX_D	Max	-559.698	-82.919	-1.015E-14
60	0.50628	SLV_DX_D	Max	-563.862	-88.834	-1.088E-14
60	0.	SLV_DX_D	Min	-555.534	-77.005	-9.430E-15
60	0.25314	SLV_DX_D	Min	-559.698	-82.919	-1.015E-14
60	0.50628	SLV_DX_D	Min	-563.862	-88.834	-1.088E-14
60	0.	SLV_SX_D	Max	-591.655	-39.405	-4.826E-15
60	0.25314	SLV_SX_D	Max	-593.063	-46.5	-5.695E-15
60	0.50628	SLV_SX_D	Max	-594.47	-53.595	-6.564E-15
60	0.	SLV_SX_D	Min	-591.655	-39.405	-4.826E-15
60	0.25314	SLV_SX_D	Min	-593.063	-46.5	-5.695E-15
60	0.50628	SLV_SX_D	Min	-594.47	-53.595	-6.564E-15
60	0.	SLV_DX_U	Max	-582.881	-101.596	-1.244E-14
60	0.25314	SLV_DX_U	Max	-586.455	-106.132	-1.300E-14
60	0.50628	SLV_DX_U	Max	-590.029	-110.668	-1.355E-14
60	0.	SLV_DX_U	Min	-582.881	-101.596	-1.244E-14
60	0.25314	SLV_DX_U	Min	-586.455	-106.132	-1.300E-14
60	0.50628	SLV_DX_U	Min	-590.029	-110.668	-1.355E-14
60	0.	SLV_SX_U	Max	-609.296	-54.134	-6.630E-15
60	0.25314	SLV_SX_U	Max	-610.113	-59.851	-7.330E-15
60	0.50628	SLV_SX_U	Max	-610.93	-65.568	-8.030E-15
60	0.	SLV_SX_U	Min	-609.296	-54.134	-6.630E-15
60	0.25314	SLV_SX_U	Min	-610.113	-59.851	-7.330E-15
60	0.50628	SLV_SX_U	Min	-610.93	-65.568	-8.030E-15
61	0.	SLE	Max	-408.761	-4.43	-5.425E-16
61	0.25311	SLE	Max	-410.971	-10.357	-1.268E-15
61	0.50622	SLE	Max	-413.182	-16.284	-1.994E-15
61	0.	SLE	Min	-408.761	-4.43	-5.425E-16
61	0.25311	SLE	Min	-410.971	-10.357	-1.268E-15
61	0.50622	SLE	Min	-413.182	-16.284	-1.994E-15
61	0.	SLU	Max	-531.389	-5.759	-7.053E-16
61	0.25311	SLU	Max	-534.262	-13.464	-1.649E-15
61	0.50622	SLU	Max	-537.136	-21.169	-2.592E-15
61	0.	SLU	Min	-531.389	-5.759	-7.053E-16
61	0.25311	SLU	Min	-534.262	-13.464	-1.649E-15
61	0.50622	SLU	Min	-537.136	-21.169	-2.592E-15
61	0.	SLV_DX_D	Max	-560.134	-66.559	-8.151E-15
61	0.25311	SLV_DX_D	Max	-564.012	-72.665	-8.899E-15
61	0.50622	SLV_DX_D	Max	-567.889	-78.77	-9.647E-15
61	0.	SLV_DX_D	Min	-560.134	-66.559	-8.151E-15

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
61	0.25311	SLV_DX_D	Min	-564.012	-72.665	-8.899E-15
61	0.50622	SLV_DX_D	Min	-567.889	-78.77	-9.647E-15
61	0.	SLV_SX_D	Max	-592.619	-24.144	-2.957E-15
61	0.25311	SLV_SX_D	Max	-593.687	-31.298	-3.833E-15
61	0.50622	SLV_SX_D	Max	-594.754	-38.451	-4.709E-15
61	0.	SLV_SX_D	Min	-592.619	-24.144	-2.957E-15
61	0.25311	SLV_SX_D	Min	-593.687	-31.298	-3.833E-15
61	0.50622	SLV_SX_D	Min	-594.754	-38.451	-4.709E-15
61	0.	SLV_DX_U	Max	-585.005	-98.615	-1.208E-14
61	0.25311	SLV_DX_U	Max	-588.358	-103.316	-1.265E-14
61	0.50622	SLV_DX_U	Max	-591.711	-108.016	-1.323E-14
61	0.	SLV_DX_U	Min	-585.005	-98.615	-1.208E-14
61	0.25311	SLV_DX_U	Min	-588.358	-103.316	-1.265E-14
61	0.50622	SLV_DX_U	Min	-591.711	-108.016	-1.323E-14
61	0.	SLV_SX_U	Max	-608.449	-39.157	-4.795E-15
61	0.25311	SLV_SX_U	Max	-608.993	-44.905	-5.499E-15
61	0.50622	SLV_SX_U	Max	-609.537	-50.654	-6.203E-15
61	0.	SLV_SX_U	Min	-608.449	-39.157	-4.795E-15
61	0.25311	SLV_SX_U	Min	-608.993	-44.905	-5.499E-15
61	0.50622	SLV_SX_U	Min	-609.537	-50.654	-6.203E-15
62	0.	SLE	Max	-412.867	3.41	4.176E-16
62	0.25306	SLE	Max	-414.793	-2.614	-3.202E-16
62	0.50613	SLE	Max	-416.718	-8.639	-1.058E-15
62	0.	SLE	Min	-412.867	3.41	4.176E-16
62	0.25306	SLE	Min	-414.793	-2.614	-3.202E-16
62	0.50613	SLE	Min	-416.718	-8.639	-1.058E-15
62	0.	SLU	Max	-536.727	4.433	5.429E-16
62	0.25306	SLU	Max	-539.23	-3.399	-4.162E-16
62	0.50613	SLU	Max	-541.734	-11.23	-1.375E-15
62	0.	SLU	Min	-536.727	4.433	5.429E-16
62	0.25306	SLU	Min	-539.23	-3.399	-4.162E-16
62	0.50613	SLU	Min	-541.734	-11.23	-1.375E-15
62	0.	SLV_DX_D	Max	-564.653	-56.061	-6.866E-15
62	0.25306	SLV_DX_D	Max	-568.235	-62.343	-7.635E-15
62	0.50613	SLV_DX_D	Max	-571.816	-68.625	-8.404E-15
62	0.	SLV_DX_D	Min	-564.653	-56.061	-6.866E-15
62	0.25306	SLV_DX_D	Min	-568.235	-62.343	-7.635E-15
62	0.50613	SLV_DX_D	Min	-571.816	-68.625	-8.404E-15
62	0.	SLV_SX_D	Max	-593.557	-11.917	-1.459E-15
62	0.25306	SLV_SX_D	Max	-594.283	-19.112	-2.341E-15
62	0.50613	SLV_SX_D	Max	-595.009	-26.307	-3.222E-15
62	0.	SLV_SX_D	Min	-593.557	-11.917	-1.459E-15
62	0.25306	SLV_SX_D	Min	-594.283	-19.112	-2.341E-15
62	0.50613	SLV_SX_D	Min	-595.009	-26.307	-3.222E-15
62	0.	SLV_DX_U	Max	-586.917	-91.704	-1.123E-14
62	0.25306	SLV_DX_U	Max	-590.042	-96.558	-1.182E-14
62	0.50613	SLV_DX_U	Max	-593.168	-101.413	-1.242E-14
62	0.	SLV_DX_U	Min	-586.917	-91.704	-1.123E-14
62	0.25306	SLV_DX_U	Min	-590.042	-96.558	-1.182E-14
62	0.50613	SLV_DX_U	Min	-593.168	-101.413	-1.242E-14
62	0.	SLV_SX_U	Max	-607.729	-25.878	-3.169E-15
62	0.25306	SLV_SX_U	Max	-607.999	-31.645	-3.875E-15
62	0.50613	SLV_SX_U	Max	-608.269	-37.412	-4.582E-15
62	0.	SLV_SX_U	Min	-607.729	-25.878	-3.169E-15

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
62	0.25306	SLV_SX_U	Min	-607.999	-31.645	-3.875E-15
62	0.50613	SLV_SX_U	Min	-608.269	-37.412	-4.582E-15
63	0.	SLE	Max	-416.707	8.444	1.034E-15
63	0.25312	SLE	Max	-418.344	2.333	2.858E-16
63	0.50624	SLE	Max	-419.981	-3.777	-4.626E-16
63	0.	SLE	Min	-416.707	8.444	1.034E-15
63	0.25312	SLE	Min	-418.344	2.333	2.858E-16
63	0.50624	SLE	Min	-419.981	-3.777	-4.626E-16
63	0.	SLU	Max	-541.719	10.977	1.344E-15
63	0.25312	SLU	Max	-543.847	3.034	3.715E-16
63	0.50624	SLU	Max	-545.975	-4.91	-6.013E-16
63	0.	SLU	Min	-541.719	10.977	1.344E-15
63	0.25312	SLU	Min	-543.847	3.034	3.715E-16
63	0.50624	SLU	Min	-545.975	-4.91	-6.013E-16
63	0.	SLV_DX_D	Max	-569.058	-46.139	-5.650E-15
63	0.25312	SLV_DX_D	Max	-572.338	-52.586	-6.440E-15
63	0.50624	SLV_DX_D	Max	-575.617	-59.032	-7.229E-15
63	0.	SLV_DX_D	Min	-569.058	-46.139	-5.650E-15
63	0.25312	SLV_DX_D	Min	-572.338	-52.586	-6.440E-15
63	0.50624	SLV_DX_D	Min	-575.617	-59.032	-7.229E-15
63	0.	SLV_SX_D	Max	-594.33	-2.344	-2.870E-16
63	0.25312	SLV_SX_D	Max	-594.713	-9.566	-1.172E-15
63	0.50624	SLV_SX_D	Max	-595.096	-16.789	-2.056E-15
63	0.	SLV_SX_D	Min	-594.33	-2.344	-2.870E-16
63	0.25312	SLV_SX_D	Min	-594.713	-9.566	-1.172E-15
63	0.50624	SLV_SX_D	Min	-595.096	-16.789	-2.056E-15
63	0.	SLV_DX_U	Max	-588.752	-82.383	-1.009E-14
63	0.25312	SLV_DX_U	Max	-591.643	-87.381	-1.070E-14
63	0.50624	SLV_DX_U	Max	-594.535	-92.38	-1.131E-14
63	0.	SLV_DX_U	Min	-588.752	-82.383	-1.009E-14
63	0.25312	SLV_DX_U	Min	-591.643	-87.381	-1.070E-14
63	0.50624	SLV_DX_U	Min	-594.535	-92.38	-1.131E-14
63	0.	SLV_SX_U	Max	-607.056	-14.17	-1.735E-15
63	0.25312	SLV_SX_U	Max	-607.051	-19.944	-2.442E-15
63	0.50624	SLV_SX_U	Max	-607.046	-25.719	-3.150E-15
63	0.	SLV_SX_U	Min	-607.056	-14.17	-1.735E-15
63	0.25312	SLV_SX_U	Min	-607.051	-19.944	-2.442E-15
63	0.50624	SLV_SX_U	Min	-607.046	-25.719	-3.150E-15
64	0.	SLE	Max	-420.151	11.178	1.369E-15
64	0.25308	SLE	Max	-421.495	4.997	6.120E-16
64	0.50617	SLE	Max	-422.84	-1.183	-1.449E-16
64	0.	SLE	Min	-420.151	11.178	1.369E-15
64	0.25308	SLE	Min	-421.495	4.997	6.120E-16
64	0.50617	SLE	Min	-422.84	-1.183	-1.449E-16
64	0.	SLU	Max	-546.196	14.532	1.780E-15
64	0.25308	SLU	Max	-547.944	6.497	7.956E-16
64	0.50617	SLU	Max	-549.692	-1.538	-1.884E-16
64	0.	SLU	Min	-546.196	14.532	1.780E-15
64	0.25308	SLU	Min	-547.944	6.497	7.956E-16
64	0.50617	SLU	Min	-549.692	-1.538	-1.884E-16
64	0.	SLV_DX_D	Max	-573.309	-37.126	-4.547E-15
64	0.25308	SLV_DX_D	Max	-576.278	-43.72	-5.354E-15
64	0.50617	SLV_DX_D	Max	-579.246	-50.315	-6.162E-15
64	0.	SLV_DX_D	Min	-573.309	-37.126	-4.547E-15

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
64	0.25308	SLV_DX_D	Min	-576.278	-43.72	-5.354E-15
64	0.50617	SLV_DX_D	Min	-579.246	-50.315	-6.162E-15
64	0.	SLV_SX_D	Max	-594.824	5.099	6.245E-16
64	0.25308	SLV_SX_D	Max	-594.863	-2.132	-2.611E-16
64	0.50617	SLV_SX_D	Max	-594.902	-9.364	-1.147E-15
64	0.	SLV_SX_D	Min	-594.824	5.099	6.245E-16
64	0.25308	SLV_SX_D	Min	-594.863	-2.132	-2.611E-16
64	0.50617	SLV_SX_D	Min	-594.902	-9.364	-1.147E-15
64	0.	SLV_DX_U	Max	-590.598	-71.752	-8.787E-15
64	0.25308	SLV_DX_U	Max	-593.248	-76.882	-9.415E-15
64	0.50617	SLV_DX_U	Max	-595.898	-82.012	-1.004E-14
64	0.	SLV_DX_U	Min	-590.598	-71.752	-8.787E-15
64	0.25308	SLV_DX_U	Min	-593.248	-76.882	-9.415E-15
64	0.50617	SLV_DX_U	Min	-595.898	-82.012	-1.004E-14
64	0.	SLV_SX_U	Max	-606.365	-3.709	-4.542E-16
64	0.25308	SLV_SX_U	Max	-606.085	-9.476	-1.160E-15
64	0.50617	SLV_SX_U	Max	-605.805	-15.243	-1.867E-15
64	0.	SLV_SX_U	Min	-606.365	-3.709	-4.542E-16
64	0.25308	SLV_SX_U	Min	-606.085	-9.476	-1.160E-15
64	0.50617	SLV_SX_U	Min	-605.805	-15.243	-1.867E-15
65	0.	SLE	Max	-423.094	12.046	1.475E-15
65	0.25311	SLE	Max	-424.143	5.808	7.113E-16
65	0.50622	SLE	Max	-425.193	-0.43	-5.266E-17
65	0.	SLE	Min	-423.094	12.046	1.475E-15
65	0.25311	SLE	Min	-424.143	5.808	7.113E-16
65	0.50622	SLE	Min	-425.193	-0.43	-5.266E-17
65	0.	SLU	Max	-550.022	15.66	1.918E-15
65	0.25311	SLU	Max	-551.386	7.551	9.247E-16
65	0.50622	SLU	Max	-552.751	-0.559	-6.846E-17
65	0.	SLU	Min	-550.022	15.66	1.918E-15
65	0.25311	SLU	Min	-551.386	7.551	9.247E-16
65	0.50622	SLU	Min	-552.751	-0.559	-6.846E-17
65	0.	SLV_DX_D	Max	-577.336	-29.26	-3.583E-15
65	0.25311	SLV_DX_D	Max	-579.988	-35.988	-4.407E-15
65	0.50622	SLV_DX_D	Max	-582.641	-42.717	-5.231E-15
65	0.	SLV_DX_D	Min	-577.336	-29.26	-3.583E-15
65	0.25311	SLV_DX_D	Min	-579.988	-35.988	-4.407E-15
65	0.50622	SLV_DX_D	Min	-582.641	-42.717	-5.231E-15
65	0.	SLV_SX_D	Max	-594.945	10.874	1.332E-15
65	0.25311	SLV_SX_D	Max	-594.64	3.648	4.467E-16
65	0.50622	SLV_SX_D	Max	-594.336	-3.578	-4.382E-16
65	0.	SLV_SX_D	Min	-594.945	10.874	1.332E-15
65	0.25311	SLV_SX_D	Min	-594.64	3.648	4.467E-16
65	0.50622	SLV_SX_D	Min	-594.336	-3.578	-4.382E-16
65	0.	SLV_DX_U	Max	-592.474	-60.7	-7.434E-15
65	0.25311	SLV_DX_U	Max	-594.877	-65.95	-8.077E-15
65	0.50622	SLV_DX_U	Max	-597.281	-71.2	-8.720E-15
65	0.	SLV_DX_U	Min	-592.474	-60.7	-7.434E-15
65	0.25311	SLV_DX_U	Min	-594.877	-65.95	-8.077E-15
65	0.50622	SLV_DX_U	Min	-597.281	-71.2	-8.720E-15
65	0.	SLV_SX_U	Max	-605.601	5.798	7.101E-16
65	0.25311	SLV_SX_U	Max	-605.048	0.051	6.196E-18
65	0.50622	SLV_SX_U	Max	-604.495	-5.697	-6.977E-16
65	0.	SLV_SX_U	Min	-605.601	5.798	7.101E-16

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
65	0.25311	SLV_SX_U	Min	-605.048	0.051	6.196E-18
65	0.50622	SLV_SX_U	Min	-604.495	-5.697	-6.977E-16
66	0.	SLE	Max	-425.451	11.396	1.396E-15
66	0.25309	SLE	Max	-426.202	5.116	6.265E-16
66	0.50618	SLE	Max	-426.953	-1.165	-1.427E-16
66	0.	SLE	Min	-425.451	11.396	1.396E-15
66	0.25309	SLE	Min	-426.202	5.116	6.265E-16
66	0.50618	SLE	Min	-426.953	-1.165	-1.427E-16
66	0.	SLU	Max	-553.087	14.815	1.814E-15
66	0.25309	SLU	Max	-554.063	6.65	8.144E-16
66	0.50618	SLU	Max	-555.039	-1.515	-1.855E-16
66	0.	SLU	Min	-553.087	14.815	1.814E-15
66	0.25309	SLU	Min	-554.063	6.65	8.144E-16
66	0.50618	SLU	Min	-555.039	-1.515	-1.855E-16
66	0.	SLV_DX_D	Max	-581.061	-22.706	-2.781E-15
66	0.25309	SLV_DX_D	Max	-583.39	-29.553	-3.619E-15
66	0.50618	SLV_DX_D	Max	-585.718	-36.4	-4.458E-15
66	0.	SLV_DX_D	Min	-581.061	-22.706	-2.781E-15
66	0.25309	SLV_DX_D	Min	-583.39	-29.553	-3.619E-15
66	0.50618	SLV_DX_D	Min	-585.718	-36.4	-4.458E-15
66	0.	SLV_SX_D	Max	-594.626	15.354	1.880E-15
66	0.25309	SLV_SX_D	Max	-593.977	8.151	9.982E-16
66	0.50618	SLV_SX_D	Max	-593.329	0.948	1.161E-16
66	0.	SLV_SX_D	Min	-594.626	15.354	1.880E-15
66	0.25309	SLV_SX_D	Min	-593.977	8.151	9.982E-16
66	0.50618	SLV_SX_D	Min	-593.329	0.948	1.161E-16
66	0.	SLV_DX_U	Max	-594.36	-49.92	-6.113E-15
66	0.25309	SLV_DX_U	Max	-596.511	-55.278	-6.770E-15
66	0.50618	SLV_DX_U	Max	-598.661	-60.637	-7.426E-15
66	0.	SLV_DX_U	Min	-594.36	-49.92	-6.113E-15
66	0.25309	SLV_DX_U	Min	-596.511	-55.278	-6.770E-15
66	0.50618	SLV_DX_U	Min	-598.661	-60.637	-7.426E-15
66	0.	SLV_SX_U	Max	-604.728	14.579	1.785E-15
66	0.25309	SLV_SX_U	Max	-603.902	8.865	1.086E-15
66	0.50618	SLV_SX_U	Max	-603.075	3.151	3.858E-16
66	0.	SLV_SX_U	Min	-604.728	14.579	1.785E-15
66	0.25309	SLV_SX_U	Min	-603.902	8.865	1.086E-15
66	0.50618	SLV_SX_U	Min	-603.075	3.151	3.858E-16
67	0.	SLE	Max	-427.156	9.759	1.195E-15
67	0.25309	SLE	Max	-427.607	3.45	4.224E-16
67	0.50619	SLE	Max	-428.058	-2.86	-3.502E-16
67	0.	SLE	Min	-427.156	9.759	1.195E-15
67	0.25309	SLE	Min	-427.607	3.45	4.224E-16
67	0.50619	SLE	Min	-428.058	-2.86	-3.502E-16
67	0.	SLU	Max	-555.302	12.687	1.554E-15
67	0.25309	SLU	Max	-555.889	4.484	5.492E-16
67	0.50619	SLU	Max	-556.475	-3.718	-4.553E-16
67	0.	SLU	Min	-555.302	12.687	1.554E-15
67	0.25309	SLU	Min	-555.889	4.484	5.492E-16
67	0.50619	SLU	Min	-556.475	-3.718	-4.553E-16
67	0.	SLV_DX_D	Max	-584.424	-17.225	-2.109E-15
67	0.25309	SLV_DX_D	Max	-586.424	-24.175	-2.961E-15
67	0.50619	SLV_DX_D	Max	-588.423	-31.125	-3.812E-15
67	0.	SLV_DX_D	Min	-584.424	-17.225	-2.109E-15

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
67	0.25309	SLV_DX_D	Min	-586.424	-24.175	-2.961E-15
67	0.50619	SLV_DX_D	Min	-588.423	-31.125	-3.812E-15
67	0.	SLV_SX_D	Max	-593.819	19.185	2.349E-15
67	0.25309	SLV_SX_D	Max	-592.828	12.021	1.472E-15
67	0.50619	SLV_SX_D	Max	-591.838	4.857	5.948E-16
67	0.	SLV_SX_D	Min	-593.819	19.185	2.349E-15
67	0.25309	SLV_SX_D	Min	-592.828	12.021	1.472E-15
67	0.50619	SLV_SX_D	Min	-591.838	4.857	5.948E-16
67	0.	SLV_DX_U	Max	-596.243	-39.585	-4.848E-15
67	0.25309	SLV_DX_U	Max	-598.136	-45.04	-5.516E-15
67	0.50619	SLV_DX_U	Max	-600.029	-50.495	-6.184E-15
67	0.	SLV_DX_U	Min	-596.243	-39.585	-4.848E-15
67	0.25309	SLV_DX_U	Min	-598.136	-45.04	-5.516E-15
67	0.50619	SLV_DX_U	Min	-600.029	-50.495	-6.184E-15
67	0.	SLV_SX_U	Max	-603.725	23.149	2.835E-15
67	0.25309	SLV_SX_U	Max	-602.628	17.481	2.141E-15
67	0.50619	SLV_SX_U	Max	-601.53	11.812	1.447E-15
67	0.	SLV_SX_U	Min	-603.725	23.149	2.835E-15
67	0.25309	SLV_SX_U	Min	-602.628	17.481	2.141E-15
67	0.50619	SLV_SX_U	Min	-601.53	11.812	1.447E-15
68	0.	SLE	Max	-428.167	7.502	9.188E-16
68	0.25312	SLE	Max	-428.317	1.178	1.442E-16
68	0.50624	SLE	Max	-428.467	-5.147	-6.303E-16
68	0.	SLE	Min	-428.167	7.502	9.188E-16
68	0.25312	SLE	Min	-428.317	1.178	1.442E-16
68	0.50624	SLE	Min	-428.467	-5.147	-6.303E-16
68	0.	SLU	Max	-556.618	9.753	1.194E-15
68	0.25312	SLU	Max	-556.813	1.531	1.875E-16
68	0.50624	SLU	Max	-557.008	-6.691	-8.194E-16
68	0.	SLU	Min	-556.618	9.753	1.194E-15
68	0.25312	SLU	Min	-556.813	1.531	1.875E-16
68	0.50624	SLU	Min	-557.008	-6.691	-8.194E-16
68	0.	SLV_DX_D	Max	-587.364	-12.664	-1.551E-15
68	0.25312	SLV_DX_D	Max	-589.03	-19.703	-2.413E-15
68	0.50624	SLV_DX_D	Max	-590.697	-26.741	-3.275E-15
68	0.	SLV_DX_D	Min	-587.364	-12.664	-1.551E-15
68	0.25312	SLV_DX_D	Min	-589.03	-19.703	-2.413E-15
68	0.50624	SLV_DX_D	Min	-590.697	-26.741	-3.275E-15
68	0.	SLV_SX_D	Max	-592.509	22.78	2.790E-15
68	0.25312	SLV_SX_D	Max	-591.177	15.671	1.919E-15
68	0.50624	SLV_SX_D	Max	-589.846	8.561	1.048E-15
68	0.	SLV_SX_D	Min	-592.509	22.78	2.790E-15
68	0.25312	SLV_SX_D	Min	-591.177	15.671	1.919E-15
68	0.50624	SLV_SX_D	Min	-589.846	8.561	1.048E-15
68	0.	SLV_DX_U	Max	-598.084	-29.873	-3.658E-15
68	0.25312	SLV_DX_U	Max	-599.716	-35.412	-4.337E-15
68	0.50624	SLV_DX_U	Max	-601.347	-40.952	-5.015E-15
68	0.	SLV_DX_U	Min	-598.084	-29.873	-3.658E-15
68	0.25312	SLV_DX_U	Min	-599.716	-35.412	-4.337E-15
68	0.50624	SLV_DX_U	Min	-601.347	-40.952	-5.015E-15
68	0.	SLV_SX_U	Max	-602.595	31.789	3.893E-15
68	0.25312	SLV_SX_U	Max	-601.228	26.179	3.206E-15
68	0.50624	SLV_SX_U	Max	-599.861	20.568	2.519E-15
68	0.	SLV_SX_U	Min	-602.595	31.789	3.893E-15

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
68	0.25312	SLV_SX_U	Min	-601.228	26.179	3.206E-15
68	0.50624	SLV_SX_U	Min	-599.861	20.568	2.519E-15
69	0.	SLE	Max	-428.467	5.147	6.303E-16
69	0.25312	SLE	Max	-428.317	-1.178	-1.442E-16
69	0.50624	SLE	Max	-428.167	-7.502	-9.188E-16
69	0.	SLE	Min	-428.467	5.147	6.303E-16
69	0.25312	SLE	Min	-428.317	-1.178	-1.442E-16
69	0.50624	SLE	Min	-428.167	-7.502	-9.188E-16
69	0.	SLU	Max	-557.008	6.691	8.194E-16
69	0.25312	SLU	Max	-556.813	-1.531	-1.875E-16
69	0.50624	SLU	Max	-556.618	-9.753	-1.194E-15
69	0.	SLU	Min	-557.008	6.691	8.194E-16
69	0.25312	SLU	Min	-556.813	-1.531	-1.875E-16
69	0.50624	SLU	Min	-556.618	-9.753	-1.194E-15
69	0.	SLV_DX_D	Max	-589.846	-8.561	-1.048E-15
69	0.25312	SLV_DX_D	Max	-591.177	-15.671	-1.919E-15
69	0.50624	SLV_DX_D	Max	-592.509	-22.78	-2.790E-15
69	0.	SLV_DX_D	Min	-589.846	-8.561	-1.048E-15
69	0.25312	SLV_DX_D	Min	-591.177	-15.671	-1.919E-15
69	0.50624	SLV_DX_D	Min	-592.509	-22.78	-2.790E-15
69	0.	SLV_SX_D	Max	-590.697	26.741	3.275E-15
69	0.25312	SLV_SX_D	Max	-589.03	19.703	2.413E-15
69	0.50624	SLV_SX_D	Max	-587.364	12.664	1.551E-15
69	0.	SLV_SX_D	Min	-590.697	26.741	3.275E-15
69	0.25312	SLV_SX_D	Min	-589.03	19.703	2.413E-15
69	0.50624	SLV_SX_D	Min	-587.364	12.664	1.551E-15
69	0.	SLV_DX_U	Max	-599.861	-20.568	-2.519E-15
69	0.25312	SLV_DX_U	Max	-601.228	-26.179	-3.206E-15
69	0.50624	SLV_DX_U	Max	-602.595	-31.789	-3.893E-15
69	0.	SLV_DX_U	Min	-599.861	-20.568	-2.519E-15
69	0.25312	SLV_DX_U	Min	-601.228	-26.179	-3.206E-15
69	0.50624	SLV_DX_U	Min	-602.595	-31.789	-3.893E-15
69	0.	SLV_SX_U	Max	-601.347	40.952	5.015E-15
69	0.25312	SLV_SX_U	Max	-599.716	35.412	4.337E-15
69	0.50624	SLV_SX_U	Max	-598.084	29.873	3.658E-15
69	0.	SLV_SX_U	Min	-601.347	40.952	5.015E-15
69	0.25312	SLV_SX_U	Min	-599.716	35.412	4.337E-15
69	0.50624	SLV_SX_U	Min	-598.084	29.873	3.658E-15
70	0.	SLE	Max	-428.058	2.86	3.502E-16
70	0.25309	SLE	Max	-427.607	-3.45	-4.224E-16
70	0.50619	SLE	Max	-427.156	-9.759	-1.195E-15
70	0.	SLE	Min	-428.058	2.86	3.502E-16
70	0.25309	SLE	Min	-427.607	-3.45	-4.224E-16
70	0.50619	SLE	Min	-427.156	-9.759	-1.195E-15
70	0.	SLU	Max	-556.475	3.718	4.553E-16
70	0.25309	SLU	Max	-555.889	-4.484	-5.492E-16
70	0.50619	SLU	Max	-555.302	-12.687	-1.554E-15
70	0.	SLU	Min	-556.475	3.718	4.553E-16
70	0.25309	SLU	Min	-555.889	-4.484	-5.492E-16
70	0.50619	SLU	Min	-555.302	-12.687	-1.554E-15
70	0.	SLV_DX_D	Max	-591.838	-4.857	-5.948E-16
70	0.25309	SLV_DX_D	Max	-592.828	-12.021	-1.472E-15
70	0.50619	SLV_DX_D	Max	-593.819	-19.185	-2.349E-15
70	0.	SLV_DX_D	Min	-591.838	-4.857	-5.948E-16

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
70	0.25309	SLV_DX_D	Min	-592.828	-12.021	-1.472E-15
70	0.50619	SLV_DX_D	Min	-593.819	-19.185	-2.349E-15
70	0.	SLV_SX_D	Max	-588.423	31.125	3.812E-15
70	0.25309	SLV_SX_D	Max	-586.424	24.175	2.961E-15
70	0.50619	SLV_SX_D	Max	-584.424	17.225	2.109E-15
70	0.	SLV_SX_D	Min	-588.423	31.125	3.812E-15
70	0.25309	SLV_SX_D	Min	-586.424	24.175	2.961E-15
70	0.50619	SLV_SX_D	Min	-584.424	17.225	2.109E-15
70	0.	SLV_DX_U	Max	-601.53	-11.812	-1.447E-15
70	0.25309	SLV_DX_U	Max	-602.628	-17.481	-2.141E-15
70	0.50619	SLV_DX_U	Max	-603.725	-23.149	-2.835E-15
70	0.	SLV_DX_U	Min	-601.53	-11.812	-1.447E-15
70	0.25309	SLV_DX_U	Min	-602.628	-17.481	-2.141E-15
70	0.50619	SLV_DX_U	Min	-603.725	-23.149	-2.835E-15
70	0.	SLV_SX_U	Max	-600.029	50.495	6.184E-15
70	0.25309	SLV_SX_U	Max	-598.136	45.04	5.516E-15
70	0.50619	SLV_SX_U	Max	-596.243	39.585	4.848E-15
70	0.	SLV_SX_U	Min	-600.029	50.495	6.184E-15
70	0.25309	SLV_SX_U	Min	-598.136	45.04	5.516E-15
70	0.50619	SLV_SX_U	Min	-596.243	39.585	4.848E-15
71	0.	SLE	Max	-426.953	1.165	1.427E-16
71	0.25309	SLE	Max	-426.202	-5.116	-6.265E-16
71	0.50618	SLE	Max	-425.451	-11.396	-1.396E-15
71	0.	SLE	Min	-426.953	1.165	1.427E-16
71	0.25309	SLE	Min	-426.202	-5.116	-6.265E-16
71	0.50618	SLE	Min	-425.451	-11.396	-1.396E-15
71	0.	SLU	Max	-555.039	1.515	1.855E-16
71	0.25309	SLU	Max	-554.063	-6.65	-8.144E-16
71	0.50618	SLU	Max	-553.087	-14.815	-1.814E-15
71	0.	SLU	Min	-555.039	1.515	1.855E-16
71	0.25309	SLU	Min	-554.063	-6.65	-8.144E-16
71	0.50618	SLU	Min	-553.087	-14.815	-1.814E-15
71	0.	SLV_DX_D	Max	-593.329	-0.948	-1.161E-16
71	0.25309	SLV_DX_D	Max	-593.977	-8.151	-9.982E-16
71	0.50618	SLV_DX_D	Max	-594.626	-15.354	-1.880E-15
71	0.	SLV_DX_D	Min	-593.329	-0.948	-1.161E-16
71	0.25309	SLV_DX_D	Min	-593.977	-8.151	-9.982E-16
71	0.50618	SLV_DX_D	Min	-594.626	-15.354	-1.880E-15
71	0.	SLV_SX_D	Max	-585.718	36.4	4.458E-15
71	0.25309	SLV_SX_D	Max	-583.39	29.553	3.619E-15
71	0.50618	SLV_SX_D	Max	-581.061	22.706	2.781E-15
71	0.	SLV_SX_D	Min	-585.718	36.4	4.458E-15
71	0.25309	SLV_SX_D	Min	-583.39	29.553	3.619E-15
71	0.50618	SLV_SX_D	Min	-581.061	22.706	2.781E-15
71	0.	SLV_DX_U	Max	-603.075	-3.151	-3.858E-16
71	0.25309	SLV_DX_U	Max	-603.902	-8.865	-1.086E-15
71	0.50618	SLV_DX_U	Max	-604.728	-14.579	-1.785E-15
71	0.	SLV_DX_U	Min	-603.075	-3.151	-3.858E-16
71	0.25309	SLV_DX_U	Min	-603.902	-8.865	-1.086E-15
71	0.50618	SLV_DX_U	Min	-604.728	-14.579	-1.785E-15
71	0.	SLV_SX_U	Max	-598.661	60.637	7.426E-15
71	0.25309	SLV_SX_U	Max	-596.511	55.278	6.770E-15
71	0.50618	SLV_SX_U	Max	-594.36	49.92	6.113E-15
71	0.	SLV_SX_U	Min	-598.661	60.637	7.426E-15

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
71	0.25309	SLV_SX_U	Min	-596.511	55.278	6.770E-15
71	0.50618	SLV_SX_U	Min	-594.36	49.92	6.113E-15
72	0.	SLE	Max	-425.193	0.43	5.266E-17
72	0.25311	SLE	Max	-424.143	-5.808	-7.113E-16
72	0.50622	SLE	Max	-423.094	-12.046	-1.475E-15
72	0.	SLE	Min	-425.193	0.43	5.266E-17
72	0.25311	SLE	Min	-424.143	-5.808	-7.113E-16
72	0.50622	SLE	Min	-423.094	-12.046	-1.475E-15
72	0.	SLU	Max	-552.751	0.559	6.846E-17
72	0.25311	SLU	Max	-551.386	-7.551	-9.247E-16
72	0.50622	SLU	Max	-550.022	-15.66	-1.918E-15
72	0.	SLU	Min	-552.751	0.559	6.846E-17
72	0.25311	SLU	Min	-551.386	-7.551	-9.247E-16
72	0.50622	SLU	Min	-550.022	-15.66	-1.918E-15
72	0.	SLV_DX_D	Max	-594.336	3.578	4.382E-16
72	0.25311	SLV_DX_D	Max	-594.64	-3.648	-4.467E-16
72	0.50622	SLV_DX_D	Max	-594.945	-10.874	-1.332E-15
72	0.	SLV_DX_D	Min	-594.336	3.578	4.382E-16
72	0.25311	SLV_DX_D	Min	-594.64	-3.648	-4.467E-16
72	0.50622	SLV_DX_D	Min	-594.945	-10.874	-1.332E-15
72	0.	SLV_SX_D	Max	-582.641	42.717	5.231E-15
72	0.25311	SLV_SX_D	Max	-579.988	35.988	4.407E-15
72	0.50622	SLV_SX_D	Max	-577.336	29.26	3.583E-15
72	0.	SLV_SX_D	Min	-582.641	42.717	5.231E-15
72	0.25311	SLV_SX_D	Min	-579.988	35.988	4.407E-15
72	0.50622	SLV_SX_D	Min	-577.336	29.26	3.583E-15
72	0.	SLV_DX_U	Max	-604.495	5.697	6.977E-16
72	0.25311	SLV_DX_U	Max	-605.048	-0.051	-6.196E-18
72	0.50622	SLV_DX_U	Max	-605.601	-5.798	-7.101E-16
72	0.	SLV_DX_U	Min	-604.495	5.697	6.977E-16
72	0.25311	SLV_DX_U	Min	-605.048	-0.051	-6.196E-18
72	0.50622	SLV_DX_U	Min	-605.601	-5.798	-7.101E-16
72	0.	SLV_SX_U	Max	-597.281	71.2	8.720E-15
72	0.25311	SLV_SX_U	Max	-594.877	65.95	8.077E-15
72	0.50622	SLV_SX_U	Max	-592.474	60.7	7.434E-15
72	0.	SLV_SX_U	Min	-597.281	71.2	8.720E-15
72	0.25311	SLV_SX_U	Min	-594.877	65.95	8.077E-15
72	0.50622	SLV_SX_U	Min	-592.474	60.7	7.434E-15
73	0.	SLE	Max	-422.84	1.183	1.449E-16
73	0.25308	SLE	Max	-421.495	-4.997	-6.120E-16
73	0.50617	SLE	Max	-420.151	-11.178	-1.369E-15
73	0.	SLE	Min	-422.84	1.183	1.449E-16
73	0.25308	SLE	Min	-421.495	-4.997	-6.120E-16
73	0.50617	SLE	Min	-420.151	-11.178	-1.369E-15
73	0.	SLU	Max	-549.692	1.538	1.884E-16
73	0.25308	SLU	Max	-547.944	-6.497	-7.956E-16
73	0.50617	SLU	Max	-546.196	-14.532	-1.780E-15
73	0.	SLU	Min	-549.692	1.538	1.884E-16
73	0.25308	SLU	Min	-547.944	-6.497	-7.956E-16
73	0.50617	SLU	Min	-546.196	-14.532	-1.780E-15
73	0.	SLV_DX_D	Max	-594.902	9.364	1.147E-15
73	0.25308	SLV_DX_D	Max	-594.863	2.132	2.611E-16
73	0.50617	SLV_DX_D	Max	-594.824	-5.099	-6.245E-16
73	0.	SLV_DX_D	Min	-594.902	9.364	1.147E-15

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
73	0.25308	SLV_DX_D	Min	-594.863	2.132	2.611E-16
73	0.50617	SLV_DX_D	Min	-594.824	-5.099	-6.245E-16
73	0.	SLV_SX_D	Max	-579.246	50.315	6.162E-15
73	0.25308	SLV_SX_D	Max	-576.278	43.72	5.354E-15
73	0.50617	SLV_SX_D	Max	-573.309	37.126	4.547E-15
73	0.	SLV_SX_D	Min	-579.246	50.315	6.162E-15
73	0.25308	SLV_SX_D	Min	-576.278	43.72	5.354E-15
73	0.50617	SLV_SX_D	Min	-573.309	37.126	4.547E-15
73	0.	SLV_DX_U	Max	-605.805	15.243	1.867E-15
73	0.25308	SLV_DX_U	Max	-606.085	9.476	1.160E-15
73	0.50617	SLV_DX_U	Max	-606.365	3.709	4.542E-16
73	0.	SLV_DX_U	Min	-605.805	15.243	1.867E-15
73	0.25308	SLV_DX_U	Min	-606.085	9.476	1.160E-15
73	0.50617	SLV_DX_U	Min	-606.365	3.709	4.542E-16
73	0.	SLV_SX_U	Max	-595.898	82.012	1.004E-14
73	0.25308	SLV_SX_U	Max	-593.248	76.882	9.415E-15
73	0.50617	SLV_SX_U	Max	-590.598	71.752	8.787E-15
73	0.	SLV_SX_U	Min	-595.898	82.012	1.004E-14
73	0.25308	SLV_SX_U	Min	-593.248	76.882	9.415E-15
73	0.50617	SLV_SX_U	Min	-590.598	71.752	8.787E-15
74	0.	SLE	Max	-419.981	3.777	4.626E-16
74	0.25312	SLE	Max	-418.344	-2.333	-2.858E-16
74	0.50624	SLE	Max	-416.707	-8.444	-1.034E-15
74	0.	SLE	Min	-419.981	3.777	4.626E-16
74	0.25312	SLE	Min	-418.344	-2.333	-2.858E-16
74	0.50624	SLE	Min	-416.707	-8.444	-1.034E-15
74	0.	SLU	Max	-545.975	4.91	6.013E-16
74	0.25312	SLU	Max	-543.847	-3.034	-3.715E-16
74	0.50624	SLU	Max	-541.719	-10.977	-1.344E-15
74	0.	SLU	Min	-545.975	4.91	6.013E-16
74	0.25312	SLU	Min	-543.847	-3.034	-3.715E-16
74	0.50624	SLU	Min	-541.719	-10.977	-1.344E-15
74	0.	SLV_DX_D	Max	-595.096	16.789	2.056E-15
74	0.25312	SLV_DX_D	Max	-594.713	9.566	1.172E-15
74	0.50624	SLV_DX_D	Max	-594.33	2.344	2.870E-16
74	0.	SLV_DX_D	Min	-595.096	16.789	2.056E-15
74	0.25312	SLV_DX_D	Min	-594.713	9.566	1.172E-15
74	0.50624	SLV_DX_D	Min	-594.33	2.344	2.870E-16
74	0.	SLV_SX_D	Max	-575.617	59.032	7.229E-15
74	0.25312	SLV_SX_D	Max	-572.338	52.586	6.440E-15
74	0.50624	SLV_SX_D	Max	-569.058	46.139	5.650E-15
74	0.	SLV_SX_D	Min	-575.617	59.032	7.229E-15
74	0.25312	SLV_SX_D	Min	-572.338	52.586	6.440E-15
74	0.50624	SLV_SX_D	Min	-569.058	46.139	5.650E-15
74	0.	SLV_DX_U	Max	-607.046	25.719	3.150E-15
74	0.25312	SLV_DX_U	Max	-607.051	19.944	2.442E-15
74	0.50624	SLV_DX_U	Max	-607.056	14.17	1.735E-15
74	0.	SLV_DX_U	Min	-607.046	25.719	3.150E-15
74	0.25312	SLV_DX_U	Min	-607.051	19.944	2.442E-15
74	0.50624	SLV_DX_U	Min	-607.056	14.17	1.735E-15
74	0.	SLV_SX_U	Max	-594.535	92.38	1.131E-14
74	0.25312	SLV_SX_U	Max	-591.643	87.381	1.070E-14
74	0.50624	SLV_SX_U	Max	-588.752	82.383	1.009E-14
74	0.	SLV_SX_U	Min	-594.535	92.38	1.131E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
74	0.25312	SLV_SX_U	Min	-591.643	87.381	1.070E-14
74	0.50624	SLV_SX_U	Min	-588.752	82.383	1.009E-14
75	0.	SLE	Max	-416.718	8.639	1.058E-15
75	0.25306	SLE	Max	-414.793	2.614	3.202E-16
75	0.50613	SLE	Max	-412.867	-3.41	-4.176E-16
75	0.	SLE	Min	-416.718	8.639	1.058E-15
75	0.25306	SLE	Min	-414.793	2.614	3.202E-16
75	0.50613	SLE	Min	-412.867	-3.41	-4.176E-16
75	0.	SLU	Max	-541.734	11.23	1.375E-15
75	0.25306	SLU	Max	-539.23	3.399	4.162E-16
75	0.50613	SLU	Max	-536.727	-4.433	-5.429E-16
75	0.	SLU	Min	-541.734	11.23	1.375E-15
75	0.25306	SLU	Min	-539.23	3.399	4.162E-16
75	0.50613	SLU	Min	-536.727	-4.433	-5.429E-16
75	0.	SLV_DX_D	Max	-595.009	26.307	3.222E-15
75	0.25306	SLV_DX_D	Max	-594.283	19.112	2.341E-15
75	0.50613	SLV_DX_D	Max	-593.557	11.917	1.459E-15
75	0.	SLV_DX_D	Min	-595.009	26.307	3.222E-15
75	0.25306	SLV_DX_D	Min	-594.283	19.112	2.341E-15
75	0.50613	SLV_DX_D	Min	-593.557	11.917	1.459E-15
75	0.	SLV_SX_D	Max	-571.816	68.625	8.404E-15
75	0.25306	SLV_SX_D	Max	-568.235	62.343	7.635E-15
75	0.50613	SLV_SX_D	Max	-564.653	56.061	6.866E-15
75	0.	SLV_SX_D	Min	-571.816	68.625	8.404E-15
75	0.25306	SLV_SX_D	Min	-568.235	62.343	7.635E-15
75	0.50613	SLV_SX_D	Min	-564.653	56.061	6.866E-15
75	0.	SLV_DX_U	Max	-608.269	37.412	4.582E-15
75	0.25306	SLV_DX_U	Max	-607.999	31.645	3.875E-15
75	0.50613	SLV_DX_U	Max	-607.729	25.878	3.169E-15
75	0.	SLV_DX_U	Min	-608.269	37.412	4.582E-15
75	0.25306	SLV_DX_U	Min	-607.999	31.645	3.875E-15
75	0.50613	SLV_DX_U	Min	-607.729	25.878	3.169E-15
75	0.	SLV_SX_U	Max	-593.168	101.413	1.242E-14
75	0.25306	SLV_SX_U	Max	-590.042	96.558	1.182E-14
75	0.50613	SLV_SX_U	Max	-586.917	91.704	1.123E-14
75	0.	SLV_SX_U	Min	-593.168	101.413	1.242E-14
75	0.25306	SLV_SX_U	Min	-590.042	96.558	1.182E-14
75	0.50613	SLV_SX_U	Min	-586.917	91.704	1.123E-14
76	0.	SLE	Max	-413.182	16.284	1.994E-15
76	0.25311	SLE	Max	-410.971	10.357	1.268E-15
76	0.50622	SLE	Max	-408.761	4.43	5.425E-16
76	0.	SLE	Min	-413.182	16.284	1.994E-15
76	0.25311	SLE	Min	-410.971	10.357	1.268E-15
76	0.50622	SLE	Min	-408.761	4.43	5.425E-16
76	0.	SLU	Max	-537.136	21.169	2.592E-15
76	0.25311	SLU	Max	-534.262	13.464	1.649E-15
76	0.50622	SLU	Max	-531.389	5.759	7.053E-16
76	0.	SLU	Min	-537.136	21.169	2.592E-15
76	0.25311	SLU	Min	-534.262	13.464	1.649E-15
76	0.50622	SLU	Min	-531.389	5.759	7.053E-16
76	0.	SLV_DX_D	Max	-594.754	38.451	4.709E-15
76	0.25311	SLV_DX_D	Max	-593.687	31.298	3.833E-15
76	0.50622	SLV_DX_D	Max	-592.619	24.144	2.957E-15
76	0.	SLV_DX_D	Min	-594.754	38.451	4.709E-15

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
76	0.25311	SLV_DX_D	Min	-593.687	31.298	3.833E-15
76	0.50622	SLV_DX_D	Min	-592.619	24.144	2.957E-15
76	0.	SLV_SX_D	Max	-567.889	78.77	9.647E-15
76	0.25311	SLV_SX_D	Max	-564.012	72.665	8.899E-15
76	0.50622	SLV_SX_D	Max	-560.134	66.559	8.151E-15
76	0.	SLV_SX_D	Min	-567.889	78.77	9.647E-15
76	0.25311	SLV_SX_D	Min	-564.012	72.665	8.899E-15
76	0.50622	SLV_SX_D	Min	-560.134	66.559	8.151E-15
76	0.	SLV_DX_U	Max	-609.537	50.654	6.203E-15
76	0.25311	SLV_DX_U	Max	-608.993	44.905	5.499E-15
76	0.50622	SLV_DX_U	Max	-608.449	39.157	4.795E-15
76	0.	SLV_DX_U	Min	-609.537	50.654	6.203E-15
76	0.25311	SLV_DX_U	Min	-608.993	44.905	5.499E-15
76	0.50622	SLV_DX_U	Min	-608.449	39.157	4.795E-15
76	0.	SLV_SX_U	Max	-591.711	108.016	1.323E-14
76	0.25311	SLV_SX_U	Max	-588.358	103.316	1.265E-14
76	0.50622	SLV_SX_U	Max	-585.005	98.615	1.208E-14
76	0.	SLV_SX_U	Min	-591.711	108.016	1.323E-14
76	0.25311	SLV_SX_U	Min	-588.358	103.316	1.265E-14
76	0.50622	SLV_SX_U	Min	-585.005	98.615	1.208E-14
77	0.	SLE	Max	-409.522	27.155	3.325E-15
77	0.25314	SLE	Max	-407.032	21.339	2.613E-15
77	0.50628	SLE	Max	-404.541	15.523	1.901E-15
77	0.	SLE	Min	-409.522	27.155	3.325E-15
77	0.25314	SLE	Min	-407.032	21.339	2.613E-15
77	0.50628	SLE	Min	-404.541	15.523	1.901E-15
77	0.	SLU	Max	-532.379	35.301	4.323E-15
77	0.25314	SLU	Max	-529.141	27.741	3.397E-15
77	0.50628	SLU	Max	-525.904	20.18	2.471E-15
77	0.	SLU	Min	-532.379	35.301	4.323E-15
77	0.25314	SLU	Min	-529.141	27.741	3.397E-15
77	0.50628	SLU	Min	-525.904	20.18	2.471E-15
77	0.	SLV_DX_D	Max	-594.47	53.595	6.564E-15
77	0.25314	SLV_DX_D	Max	-593.063	46.5	5.695E-15
77	0.50628	SLV_DX_D	Max	-591.655	39.405	4.826E-15
77	0.	SLV_DX_D	Min	-594.47	53.595	6.564E-15
77	0.25314	SLV_DX_D	Min	-593.063	46.5	5.695E-15
77	0.50628	SLV_DX_D	Min	-591.655	39.405	4.826E-15
77	0.	SLV_SX_D	Max	-563.862	88.834	1.088E-14
77	0.25314	SLV_SX_D	Max	-559.698	82.919	1.015E-14
77	0.50628	SLV_SX_D	Max	-555.534	77.005	9.430E-15
77	0.	SLV_SX_D	Min	-563.862	88.834	1.088E-14
77	0.25314	SLV_SX_D	Min	-559.698	82.919	1.015E-14
77	0.50628	SLV_SX_D	Min	-555.534	77.005	9.430E-15
77	0.	SLV_DX_U	Max	-610.93	65.568	8.030E-15
77	0.25314	SLV_DX_U	Max	-610.113	59.851	7.330E-15
77	0.50628	SLV_DX_U	Max	-609.296	54.134	6.630E-15
77	0.	SLV_DX_U	Min	-610.93	65.568	8.030E-15
77	0.25314	SLV_DX_U	Min	-610.113	59.851	7.330E-15
77	0.50628	SLV_DX_U	Min	-609.296	54.134	6.630E-15
77	0.	SLV_SX_U	Max	-590.029	110.668	1.355E-14
77	0.25314	SLV_SX_U	Max	-586.455	106.132	1.300E-14
77	0.50628	SLV_SX_U	Max	-582.881	101.596	1.244E-14
77	0.	SLV_SX_U	Min	-590.029	110.668	1.355E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
77	0.25314	SLV_SX_U	Min	-586.455	106.132	1.300E-14
77	0.50628	SLV_SX_U	Min	-582.881	101.596	1.244E-14
78	0.	SLE	Max	-405.915	41.642	5.100E-15
78	0.25309	SLE	Max	-403.15	35.953	4.403E-15
78	0.50619	SLE	Max	-400.386	30.263	3.706E-15
78	0.	SLE	Min	-405.915	41.642	5.100E-15
78	0.25309	SLE	Min	-403.15	35.953	4.403E-15
78	0.50619	SLE	Min	-400.386	30.263	3.706E-15
78	0.	SLU	Max	-527.689	54.135	6.630E-15
78	0.25309	SLU	Max	-524.096	46.738	5.724E-15
78	0.50619	SLU	Max	-520.502	39.342	4.818E-15
78	0.	SLU	Min	-527.689	54.135	6.630E-15
78	0.25309	SLU	Min	-524.096	46.738	5.724E-15
78	0.50619	SLU	Min	-520.502	39.342	4.818E-15
78	0.	SLV_DX_D	Max	-594.311	71.983	8.815E-15
78	0.25309	SLV_DX_D	Max	-592.568	64.964	7.956E-15
78	0.50619	SLV_DX_D	Max	-590.825	57.945	7.096E-15
78	0.	SLV_DX_D	Min	-594.311	71.983	8.815E-15
78	0.25309	SLV_DX_D	Min	-592.568	64.964	7.956E-15
78	0.50619	SLV_DX_D	Min	-590.825	57.945	7.096E-15
78	0.	SLV_SX_D	Max	-559.731	97.908	1.199E-14
78	0.25309	SLV_SX_D	Max	-555.291	92.2	1.129E-14
78	0.50619	SLV_SX_D	Max	-550.85	86.491	1.059E-14
78	0.	SLV_SX_D	Min	-559.731	97.908	1.199E-14
78	0.25309	SLV_SX_D	Min	-555.291	92.2	1.129E-14
78	0.50619	SLV_SX_D	Min	-550.85	86.491	1.059E-14
78	0.	SLV_DX_U	Max	-612.531	82.101	1.005E-14
78	0.25309	SLV_DX_U	Max	-611.443	76.43	9.360E-15
78	0.50619	SLV_DX_U	Max	-610.355	70.76	8.666E-15
78	0.	SLV_DX_U	Min	-612.531	82.101	1.005E-14
78	0.25309	SLV_DX_U	Min	-611.443	76.43	9.360E-15
78	0.50619	SLV_DX_U	Min	-610.355	70.76	8.666E-15
78	0.	SLV_SX_U	Max	-587.904	107.463	1.316E-14
78	0.25309	SLV_SX_U	Max	-584.119	103.103	1.263E-14
78	0.50619	SLV_SX_U	Max	-580.334	98.743	1.209E-14
78	0.	SLV_SX_U	Min	-587.904	107.463	1.316E-14
78	0.25309	SLV_SX_U	Min	-584.119	103.103	1.263E-14
78	0.50619	SLV_SX_U	Min	-580.334	98.743	1.209E-14
79	0.	SLE	Max	-402.548	60.124	7.363E-15
79	0.25311	SLE	Max	-399.516	54.572	6.683E-15
79	0.50622	SLE	Max	-396.484	49.02	6.003E-15
79	0.	SLE	Min	-402.548	60.124	7.363E-15
79	0.25311	SLE	Min	-399.516	54.572	6.683E-15
79	0.50622	SLE	Min	-396.484	49.02	6.003E-15
79	0.	SLU	Max	-523.312	78.161	9.572E-15
79	0.25311	SLU	Max	-519.371	70.944	8.688E-15
79	0.50622	SLU	Max	-515.43	63.726	7.804E-15
79	0.	SLU	Min	-523.312	78.161	9.572E-15
79	0.25311	SLU	Min	-519.371	70.944	8.688E-15
79	0.50622	SLU	Min	-515.43	63.726	7.804E-15
79	0.	SLV_DX_D	Max	-594.436	93.785	1.149E-14
79	0.25311	SLV_DX_D	Max	-592.361	86.856	1.064E-14
79	0.50622	SLV_DX_D	Max	-590.286	79.928	9.788E-15
79	0.	SLV_DX_D	Min	-594.436	93.785	1.149E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
79	0.25311	SLV_DX_D	Min	-592.361	86.856	1.064E-14
79	0.50622	SLV_DX_D	Min	-590.286	79.928	9.788E-15
79	0.	SLV_SX_D	Max	-555.431	104.882	1.284E-14
79	0.25311	SLV_SX_D	Max	-550.724	99.391	1.217E-14
79	0.50622	SLV_SX_D	Max	-546.017	93.899	1.150E-14
79	0.	SLV_SX_D	Min	-555.431	104.882	1.284E-14
79	0.25311	SLV_SX_D	Min	-550.724	99.391	1.217E-14
79	0.50622	SLV_SX_D	Min	-546.017	93.899	1.150E-14
79	0.	SLV_DX_U	Max	-614.408	100.081	1.226E-14
79	0.25311	SLV_DX_U	Max	-613.051	94.469	1.157E-14
79	0.50622	SLV_DX_U	Max	-611.695	88.856	1.088E-14
79	0.	SLV_DX_U	Min	-614.408	100.081	1.226E-14
79	0.25311	SLV_DX_U	Min	-613.051	94.469	1.157E-14
79	0.50622	SLV_DX_U	Min	-611.695	88.856	1.088E-14
79	0.	SLV_SX_U	Max	-585.012	96.222	1.178E-14
79	0.25311	SLV_SX_U	Max	-581.024	92.046	1.127E-14
79	0.50622	SLV_SX_U	Max	-577.035	87.871	1.076E-14
79	0.	SLV_SX_U	Min	-585.012	96.222	1.178E-14
79	0.25311	SLV_SX_U	Min	-581.024	92.046	1.127E-14
79	0.50622	SLV_SX_U	Min	-577.035	87.871	1.076E-14
80	0.	SLE	Max	-474.264	168.558	1.870E-14
80	0.40188	SLE	Max	-466.243	155.805	1.714E-14
80	0.80377	SLE	Max	-458.222	143.051	1.558E-14
80	0.	SLE	Min	-474.264	168.558	1.870E-14
80	0.40188	SLE	Min	-466.243	155.805	1.714E-14
80	0.80377	SLE	Min	-458.222	143.051	1.558E-14
80	0.	SLU	Max	-616.543	219.126	2.431E-14
80	0.40188	SLU	Max	-606.116	202.546	2.228E-14
80	0.80377	SLU	Max	-595.689	185.966	2.025E-14
80	0.	SLU	Min	-616.543	219.126	2.431E-14
80	0.40188	SLU	Min	-606.116	202.546	2.228E-14
80	0.80377	SLU	Min	-595.689	185.966	2.025E-14
80	0.	SLV_DX_D	Max	-676.872	205.362	2.279E-14
80	0.40188	SLV_DX_D	Max	-670.924	189.196	2.081E-14
80	0.80377	SLV_DX_D	Max	-664.975	173.03	1.883E-14
80	0.	SLV_DX_D	Min	-676.872	205.362	2.279E-14
80	0.40188	SLV_DX_D	Min	-670.924	189.196	2.081E-14
80	0.80377	SLV_DX_D	Min	-664.975	173.03	1.883E-14
80	0.	SLV_SX_D	Max	-632.4	208.686	2.311E-14
80	0.40188	SLV_SX_D	Max	-620.406	196.322	2.160E-14
80	0.80377	SLV_SX_D	Max	-608.412	183.958	2.008E-14
80	0.	SLV_SX_D	Min	-632.4	208.686	2.311E-14
80	0.40188	SLV_SX_D	Min	-620.406	196.322	2.160E-14
80	0.80377	SLV_SX_D	Min	-608.412	183.958	2.008E-14
80	0.	SLV_DX_U	Max	-675.324	171.894	1.907E-14
80	0.40188	SLV_DX_U	Max	-671.277	158.75	1.746E-14
80	0.80377	SLV_DX_U	Max	-667.229	145.607	1.585E-14
80	0.	SLV_DX_U	Min	-675.324	171.894	1.907E-14
80	0.40188	SLV_DX_U	Min	-671.277	158.75	1.746E-14
80	0.80377	SLV_DX_U	Min	-667.229	145.607	1.585E-14
80	0.	SLV_SX_U	Max	-646.257	162.479	1.799E-14
80	0.40188	SLV_SX_U	Max	-636.164	153.138	1.685E-14
80	0.80377	SLV_SX_U	Max	-626.071	143.796	1.570E-14
80	0.	SLV_SX_U	Min	-646.257	162.479	1.799E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
80	0.40188	SLV_SX_U	Min	-636.164	153.138	1.685E-14
80	0.80377	SLV_SX_U	Min	-626.071	143.796	1.570E-14
81	0.	SLE	Max	-652.712	358.11	3.954E-14
81	0.40185	SLE	Max	-643.752	345.999	3.806E-14
81	0.8037	SLE	Max	-634.792	333.888	3.658E-14
81	0.	SLE	Min	-652.712	358.11	3.954E-14
81	0.40185	SLE	Min	-643.752	345.999	3.806E-14
81	0.8037	SLE	Min	-634.792	333.888	3.658E-14
81	0.	SLU	Max	-848.526	465.543	5.141E-14
81	0.40185	SLU	Max	-836.878	449.799	4.948E-14
81	0.8037	SLU	Max	-825.23	434.055	4.755E-14
81	0.	SLU	Min	-848.526	465.543	5.141E-14
81	0.40185	SLU	Min	-836.878	449.799	4.948E-14
81	0.8037	SLU	Min	-825.23	434.055	4.755E-14
81	0.	SLV_DX_D	Max	-870.259	384.724	4.252E-14
81	0.40185	SLV_DX_D	Max	-863.107	369.054	4.060E-14
81	0.8037	SLV_DX_D	Max	-855.956	353.385	3.868E-14
81	0.	SLV_DX_D	Min	-870.259	384.724	4.252E-14
81	0.40185	SLV_DX_D	Min	-863.107	369.054	4.060E-14
81	0.8037	SLV_DX_D	Min	-855.956	353.385	3.868E-14
81	0.	SLV_SX_D	Max	-790.025	366.561	4.046E-14
81	0.40185	SLV_SX_D	Max	-777.133	355.139	3.907E-14
81	0.8037	SLV_SX_D	Max	-764.241	343.716	3.767E-14
81	0.	SLV_SX_D	Min	-790.025	366.561	4.046E-14
81	0.40185	SLV_SX_D	Min	-777.133	355.139	3.907E-14
81	0.8037	SLV_SX_D	Min	-764.241	343.716	3.767E-14
81	0.	SLV_DX_U	Max	-804.61	268.233	2.967E-14
81	0.40185	SLV_DX_U	Max	-799.582	255.434	2.810E-14
81	0.8037	SLV_DX_U	Max	-794.554	242.635	2.653E-14
81	0.	SLV_DX_U	Min	-804.61	268.233	2.967E-14
81	0.40185	SLV_DX_U	Min	-799.582	255.434	2.810E-14
81	0.8037	SLV_DX_U	Min	-794.554	242.635	2.653E-14
81	0.	SLV_SX_U	Max	-743.208	242.196	2.675E-14
81	0.40185	SLV_SX_U	Max	-732.439	233.644	2.570E-14
81	0.8037	SLV_SX_U	Max	-721.671	225.092	2.465E-14
81	0.	SLV_SX_U	Min	-743.208	242.196	2.675E-14
81	0.40185	SLV_SX_U	Min	-732.439	233.644	2.570E-14
81	0.8037	SLV_SX_U	Min	-721.671	225.092	2.465E-14
82	0.	SLE	Max	-854.926	-155.731	-1.806E-14
82	0.27332	SLE	Max	-844.819	-157.416	-1.827E-14
82	0.54664	SLE	Max	-834.712	-159.101	-1.848E-14
82	0.	SLE	Min	-854.926	-155.731	-1.806E-14
82	0.27332	SLE	Min	-844.819	-157.416	-1.827E-14
82	0.54664	SLE	Min	-834.712	-159.101	-1.848E-14
82	0.	SLU	Max	-1111.404	-202.45	-2.348E-14
82	0.27332	SLU	Max	-1098.264	-204.641	-2.375E-14
82	0.54664	SLU	Max	-1085.125	-206.831	-2.402E-14
82	0.	SLU	Min	-1111.404	-202.45	-2.348E-14
82	0.27332	SLU	Min	-1098.264	-204.641	-2.375E-14
82	0.54664	SLU	Min	-1085.125	-206.831	-2.402E-14
82	0.	SLV_DX_D	Max	-1025.624	-272.956	-3.165E-14
82	0.27332	SLV_DX_D	Max	-1014.718	-277.236	-3.218E-14
82	0.54664	SLV_DX_D	Max	-1003.813	-281.516	-3.270E-14
82	0.	SLV_DX_D	Min	-1025.624	-272.956	-3.165E-14

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

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
82	0.27332	SLV_DX_D	Min	-1014.718	-277.236	-3.218E-14
82	0.54664	SLV_DX_D	Min	-1003.813	-281.516	-3.270E-14
82	0.	SLV_SX_D	Max	-918.049	-262.567	-3.059E-14
82	0.27332	SLV_SX_D	Max	-903.374	-244.239	-2.835E-14
82	0.54664	SLV_SX_D	Max	-888.7	-225.911	-2.610E-14
82	0.	SLV_SX_D	Min	-918.049	-262.567	-3.059E-14
82	0.27332	SLV_SX_D	Min	-903.374	-244.239	-2.835E-14
82	0.54664	SLV_SX_D	Min	-888.7	-225.911	-2.610E-14
82	0.	SLV_DX_U	Max	-835.796	-307.629	-3.568E-14
82	0.27332	SLV_DX_U	Max	-827.286	-311.51	-3.616E-14
82	0.54664	SLV_DX_U	Max	-818.776	-315.39	-3.663E-14
82	0.	SLV_DX_U	Min	-835.796	-307.629	-3.568E-14
82	0.27332	SLV_DX_U	Min	-827.286	-311.51	-3.616E-14
82	0.54664	SLV_DX_U	Min	-818.776	-315.39	-3.663E-14
82	0.	SLV_SX_U	Max	-732.039	-330.393	-3.847E-14
82	0.27332	SLV_SX_U	Max	-719.759	-311.666	-3.617E-14
82	0.54664	SLV_SX_U	Max	-707.48	-292.939	-3.388E-14
82	0.	SLV_SX_U	Min	-732.039	-330.393	-3.847E-14
82	0.27332	SLV_SX_U	Min	-719.759	-311.666	-3.617E-14
82	0.54664	SLV_SX_U	Min	-707.48	-292.939	-3.388E-14

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

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
1	0.	SLE	Max	0.	-2.870E-14	-299.8842
1	0.22548	SLE	Max	0.	-2.469E-14	-266.6617
1	0.45096	SLE	Max	0.	-2.067E-14	-233.246
1	0.	SLE	Min	0.	-2.870E-14	-299.8842
1	0.22548	SLE	Min	0.	-2.469E-14	-266.6617
1	0.45096	SLE	Min	0.	-2.067E-14	-233.246
1	0.	SLU	Max	0.	-3.731E-14	-389.8494
1	0.22548	SLU	Max	0.	-3.210E-14	-346.6602
1	0.45096	SLU	Max	0.	-2.687E-14	-303.2199
1	0.	SLU	Min	0.	-3.731E-14	-389.8494
1	0.22548	SLU	Min	0.	-3.210E-14	-346.6602
1	0.45096	SLU	Min	0.	-2.687E-14	-303.2199
1	0.	SLV_DX_D	Max	0.	-3.339E-14	-344.1149
1	0.22548	SLV_DX_D	Max	0.	-2.680E-14	-289.3963
1	0.45096	SLV_DX_D	Max	0.	-2.014E-14	-234.1183
1	0.	SLV_DX_D	Min	0.	-3.339E-14	-344.1149
1	0.22548	SLV_DX_D	Min	0.	-2.680E-14	-289.3963
1	0.45096	SLV_DX_D	Min	0.	-2.014E-14	-234.1183
1	0.	SLV_SX_D	Max	0.	-5.472E-14	-574.2834
1	0.22548	SLV_SX_D	Max	0.	-4.800E-14	-518.5591
1	0.45096	SLV_SX_D	Max	0.	-4.171E-14	-466.3088
1	0.	SLV_SX_D	Min	0.	-5.472E-14	-574.2834
1	0.22548	SLV_SX_D	Min	0.	-4.800E-14	-518.5591
1	0.45096	SLV_SX_D	Min	0.	-4.171E-14	-466.3088
1	0.	SLV_DX_U	Max	0.	-2.707E-14	-274.965
1	0.22548	SLV_DX_U	Max	0.	-2.012E-14	-217.2577
1	0.45096	SLV_DX_U	Max	0.	-1.310E-14	-159.0368

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
1	0.	SLV_DX_U	Min	0.	-2.707E-14	-274.965
1	0.22548	SLV_DX_U	Min	0.	-2.012E-14	-217.2577
1	0.45096	SLV_DX_U	Min	0.	-1.310E-14	-159.0368
1	0.	SLV_SX_U	Max	0.	-5.513E-14	-574.6219
1	0.22548	SLV_SX_U	Max	0.	-4.676E-14	-505.1572
1	0.45096	SLV_SX_U	Max	0.	-3.882E-14	-439.2123
1	0.	SLV_SX_U	Min	0.	-5.513E-14	-574.6219
1	0.22548	SLV_SX_U	Min	0.	-4.676E-14	-505.1572
1	0.45096	SLV_SX_U	Min	0.	-3.882E-14	-439.2123
2	0.	SLE	Max	0.	-2.623E-14	-233.246
2	0.2255	SLE	Max	0.	-2.257E-14	-203.1419
2	0.45099	SLE	Max	0.	-1.888E-14	-172.9004
2	0.	SLE	Min	0.	-2.623E-14	-233.246
2	0.2255	SLE	Min	0.	-2.257E-14	-203.1419
2	0.45099	SLE	Min	0.	-1.888E-14	-172.9004
2	0.	SLU	Max	0.	-3.410E-14	-303.2199
2	0.2255	SLU	Max	0.	-2.933E-14	-264.0844
2	0.45099	SLU	Max	0.	-2.455E-14	-224.7705
2	0.	SLU	Min	0.	-3.410E-14	-303.2199
2	0.2255	SLU	Min	0.	-2.933E-14	-264.0844
2	0.45099	SLU	Min	0.	-2.455E-14	-224.7705
2	0.	SLV_DX_D	Max	0.	-2.652E-14	-234.1183
2	0.2255	SLV_DX_D	Max	0.	-2.069E-14	-186.2552
2	0.45099	SLV_DX_D	Max	0.	-1.481E-14	-137.9239
2	0.	SLV_DX_D	Min	0.	-2.652E-14	-234.1183
2	0.2255	SLV_DX_D	Min	0.	-2.069E-14	-186.2552
2	0.45099	SLV_DX_D	Min	0.	-1.481E-14	-137.9239
2	0.	SLV_SX_D	Max	0.	-5.237E-14	-466.3088
2	0.2255	SLV_SX_D	Max	0.	-4.574E-14	-411.8404
2	0.45099	SLV_SX_D	Max	0.	-3.954E-14	-360.9039
2	0.	SLV_SX_D	Min	0.	-5.237E-14	-466.3088
2	0.2255	SLV_SX_D	Min	0.	-4.574E-14	-411.8404
2	0.45099	SLV_SX_D	Min	0.	-3.954E-14	-360.9039
2	0.	SLV_DX_U	Max	0.	-1.818E-14	-159.0368
2	0.2255	SLV_DX_U	Max	0.	-1.232E-14	-110.8848
2	0.45099	SLV_DX_U	Max	0.	-6.404E-15	-62.2971
2	0.	SLV_DX_U	Min	0.	-1.818E-14	-159.0368
2	0.2255	SLV_DX_U	Min	0.	-1.232E-14	-110.8848
2	0.45099	SLV_DX_U	Min	0.	-6.404E-15	-62.2971
2	0.	SLV_SX_U	Max	0.	-4.949E-14	-439.2123
2	0.2255	SLV_SX_U	Max	0.	-4.135E-14	-372.2993
2	0.45099	SLV_SX_U	Max	0.	-3.364E-14	-308.9506
2	0.	SLV_SX_U	Min	0.	-4.949E-14	-439.2123
2	0.2255	SLV_SX_U	Min	0.	-4.135E-14	-372.2993
2	0.45099	SLV_SX_U	Min	0.	-3.364E-14	-308.9506
3	0.	SLE	Max	0.	-2.272E-14	-172.9004
3	0.22556	SLE	Max	0.	-1.946E-14	-146.4748
3	0.45112	SLE	Max	0.	-1.620E-14	-119.9594
3	0.	SLE	Min	0.	-2.272E-14	-172.9004
3	0.22556	SLE	Min	0.	-1.946E-14	-146.4748
3	0.45112	SLE	Min	0.	-1.620E-14	-119.9594
3	0.	SLU	Max	0.	-2.953E-14	-224.7705
3	0.22556	SLU	Max	0.	-2.530E-14	-190.4173
3	0.45112	SLU	Max	0.	-2.106E-14	-155.9472

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
3	0.	SLU	Min	0.	-2.953E-14	-224.7705
3	0.22556	SLU	Min	0.	-2.530E-14	-190.4173
3	0.45112	SLU	Min	0.	-2.106E-14	-155.9472
3	0.	SLV_DX_D	Max	0.	-1.792E-14	-137.9239
3	0.22556	SLV_DX_D	Max	0.	-1.279E-14	-96.2901
3	0.45112	SLV_DX_D	Max	0.	-7.620E-15	-54.2672
3	0.	SLV_DX_D	Min	0.	-1.792E-14	-137.9239
3	0.22556	SLV_DX_D	Min	0.	-1.279E-14	-96.2901
3	0.45112	SLV_DX_D	Min	0.	-7.620E-15	-54.2672
3	0.	SLV_SX_D	Max	0.	-4.745E-14	-360.9039
3	0.22556	SLV_SX_D	Max	0.	-4.093E-14	-307.96
3	0.45112	SLV_SX_D	Max	0.	-3.485E-14	-258.5945
3	0.	SLV_SX_D	Min	0.	-4.745E-14	-360.9039
3	0.22556	SLV_SX_D	Min	0.	-4.093E-14	-307.96
3	0.45112	SLV_SX_D	Min	0.	-3.485E-14	-258.5945
3	0.	SLV_DX_U	Max	0.	-7.882E-15	-62.2971
3	0.22556	SLV_DX_U	Max	0.	-2.875E-15	-21.6397
3	0.45112	SLV_DX_U	Max	0.	2.177E-15	19.3854
3	0.	SLV_DX_U	Min	0.	-7.882E-15	-62.2971
3	0.22556	SLV_DX_U	Min	0.	-2.875E-15	-21.6397
3	0.45112	SLV_DX_U	Min	0.	2.177E-15	19.3854
3	0.	SLV_SX_U	Max	0.	-4.044E-14	-308.9506
3	0.22556	SLV_SX_U	Max	0.	-3.254E-14	-244.8198
3	0.45112	SLV_SX_U	Max	0.	-2.508E-14	-184.2887
3	0.	SLV_SX_U	Min	0.	-4.044E-14	-308.9506
3	0.22556	SLV_SX_U	Min	0.	-3.254E-14	-244.8198
3	0.45112	SLV_SX_U	Min	0.	-2.508E-14	-184.2887
4	0.	SLE	Max	0.	-1.689E-14	-119.9594
4	0.22547	SLE	Max	0.	-1.407E-14	-97.2528
4	0.45094	SLE	Max	0.	-1.125E-14	-74.4943
4	0.	SLE	Min	0.	-1.689E-14	-119.9594
4	0.22547	SLE	Min	0.	-1.407E-14	-97.2528
4	0.45094	SLE	Min	0.	-1.125E-14	-74.4943
4	0.	SLU	Max	0.	-2.195E-14	-155.9472
4	0.22547	SLU	Max	0.	-1.829E-14	-126.4286
4	0.45094	SLU	Max	0.	-1.463E-14	-96.8426
4	0.	SLU	Min	0.	-2.195E-14	-155.9472
4	0.22547	SLU	Min	0.	-1.829E-14	-126.4286
4	0.45094	SLU	Min	0.	-1.463E-14	-96.8426
4	0.	SLV_DX_D	Max	0.	-7.094E-15	-54.2672
4	0.22547	SLV_DX_D	Max	0.	-2.576E-15	-17.8104
4	0.45094	SLV_DX_D	Max	0.	1.984E-15	18.9812
4	0.	SLV_DX_D	Min	0.	-7.094E-15	-54.2672
4	0.22547	SLV_DX_D	Min	0.	-2.576E-15	-17.8104
4	0.45094	SLV_DX_D	Min	0.	1.984E-15	18.9812
4	0.	SLV_SX_D	Max	0.	-3.637E-14	-258.5945
4	0.22547	SLV_SX_D	Max	0.	-3.003E-14	-207.4688
4	0.45094	SLV_SX_D	Max	0.	-2.414E-14	-159.9613
4	0.	SLV_SX_D	Min	0.	-3.637E-14	-258.5945
4	0.22547	SLV_SX_D	Min	0.	-3.003E-14	-207.4688
4	0.45094	SLV_SX_D	Min	0.	-2.414E-14	-159.9613
4	0.	SLV_DX_U	Max	0.	3.541E-15	19.3854
4	0.22547	SLV_DX_U	Max	0.	7.932E-15	54.8111
4	0.45094	SLV_DX_U	Max	0.	1.236E-14	90.5592

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
4	0.	SLV_DX_U	Min	0.	3.541E-15	19.3854
4	0.22547	SLV_DX_U	Min	0.	7.932E-15	54.8111
4	0.45094	SLV_DX_U	Min	0.	1.236E-14	90.5592
4	0.	SLV_SX_U	Max	0.	-2.541E-14	-184.2887
4	0.22547	SLV_SX_U	Max	0.	-1.784E-14	-123.2
4	0.45094	SLV_SX_U	Max	0.	-1.072E-14	-65.7418
4	0.	SLV_SX_U	Min	0.	-2.541E-14	-184.2887
4	0.22547	SLV_SX_U	Min	0.	-1.784E-14	-123.2
4	0.45094	SLV_SX_U	Min	0.	-1.072E-14	-65.7418
5	0.	SLE	Max	0.	-1.074E-14	-74.4943
5	0.22552	SLE	Max	0.	-8.311E-15	-54.9696
5	0.45105	SLE	Max	0.	-5.881E-15	-35.4281
5	0.	SLE	Min	0.	-1.074E-14	-74.4943
5	0.22552	SLE	Min	0.	-8.311E-15	-54.9696
5	0.45105	SLE	Min	0.	-5.881E-15	-35.4281
5	0.	SLU	Max	0.	-1.396E-14	-96.8426
5	0.22552	SLU	Max	0.	-1.080E-14	-71.4604
5	0.45105	SLU	Max	0.	-7.645E-15	-46.0565
5	0.	SLU	Min	0.	-1.396E-14	-96.8426
5	0.22552	SLU	Min	0.	-1.080E-14	-71.4604
5	0.45105	SLU	Min	0.	-7.645E-15	-46.0565
5	0.	SLV_DX_D	Max	0.	3.749E-15	18.9812
5	0.22552	SLV_DX_D	Max	0.	7.820E-15	51.7158
5	0.45105	SLV_DX_D	Max	0.	1.193E-14	84.7402
5	0.	SLV_DX_D	Min	0.	3.749E-15	18.9812
5	0.22552	SLV_DX_D	Min	0.	7.820E-15	51.7158
5	0.45105	SLV_DX_D	Min	0.	1.193E-14	84.7402
5	0.	SLV_SX_D	Max	0.	-2.288E-14	-159.9613
5	0.22552	SLV_SX_D	Max	0.	-1.676E-14	-110.7534
5	0.45105	SLV_SX_D	Max	0.	-1.109E-14	-65.2049
5	0.	SLV_SX_D	Min	0.	-2.288E-14	-159.9613
5	0.22552	SLV_SX_D	Min	0.	-1.676E-14	-110.7534
5	0.45105	SLV_SX_D	Min	0.	-1.109E-14	-65.2049
5	0.	SLV_DX_U	Max	0.	1.457E-14	90.5592
5	0.22552	SLV_DX_U	Max	0.	1.862E-14	123.1259
5	0.45105	SLV_DX_U	Max	0.	2.270E-14	155.9784
5	0.	SLV_DX_U	Min	0.	1.457E-14	90.5592
5	0.22552	SLV_DX_U	Min	0.	1.862E-14	123.1259
5	0.45105	SLV_DX_U	Min	0.	2.270E-14	155.9784
5	0.	SLV_SX_U	Max	0.	-8.398E-15	-65.7418
5	0.22552	SLV_SX_U	Max	0.	-1.194E-15	-7.7808
5	0.45105	SLV_SX_U	Max	0.	5.562E-15	46.5168
5	0.	SLV_SX_U	Min	0.	-8.398E-15	-65.7418
5	0.22552	SLV_SX_U	Min	0.	-1.194E-15	-7.7808
5	0.45105	SLV_SX_U	Min	0.	5.562E-15	46.5168
6	0.	SLE	Max	0.	0.	-35.4281
6	0.24626	SLE	Max	0.	0.	-23.6723
6	0.49251	SLE	Max	0.	0.	-11.9652
6	0.	SLE	Min	0.	0.	-35.4281
6	0.24626	SLE	Min	0.	0.	-23.6723
6	0.49251	SLE	Min	0.	0.	-11.9652
6	0.	SLU	Max	0.	0.	-46.0565
6	0.24626	SLU	Max	0.	0.	-30.7739
6	0.49251	SLU	Max	0.	0.	-15.5547

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
6	0.	SLU	Min	0.	0.	-46.0565
6	0.24626	SLU	Min	0.	0.	-30.7739
6	0.49251	SLU	Min	0.	0.	-15.5547
6	0.	SLV_DX_D	Max	0.	0.	84.7402
6	0.24626	SLV_DX_D	Max	0.	0.	111.5403
6	0.49251	SLV_DX_D	Max	0.	0.	138.6089
6	0.	SLV_DX_D	Min	0.	0.	84.7402
6	0.24626	SLV_DX_D	Min	0.	0.	111.5403
6	0.49251	SLV_DX_D	Min	0.	0.	138.6089
6	0.	SLV_SX_D	Max	0.	0.	-65.2049
6	0.24626	SLV_SX_D	Max	0.	0.	-20.3439
6	0.49251	SLV_SX_D	Max	0.	0.	20.0816
6	0.	SLV_SX_D	Min	0.	0.	-65.2049
6	0.24626	SLV_SX_D	Min	0.	0.	-20.3439
6	0.49251	SLV_SX_D	Min	0.	0.	20.0816
6	0.	SLV_DX_U	Max	0.	0.	155.9784
6	0.24626	SLV_DX_U	Max	0.	0.	183.5044
6	0.49251	SLV_DX_U	Max	0.	0.	211.3106
6	0.	SLV_DX_U	Min	0.	0.	155.9784
6	0.24626	SLV_DX_U	Min	0.	0.	183.5044
6	0.49251	SLV_DX_U	Min	0.	0.	211.3106
6	0.	SLV_SX_U	Max	0.	0.	46.5168
6	0.24626	SLV_SX_U	Max	0.	0.	98.7475
6	0.49251	SLV_SX_U	Max	0.	0.	146.5543
6	0.	SLV_SX_U	Min	0.	0.	46.5168
6	0.24626	SLV_SX_U	Min	0.	0.	98.7475
6	0.49251	SLV_SX_U	Min	0.	0.	146.5543
7	0.	SLE	Max	0.	0.	-11.9652
7	0.24631	SLE	Max	0.	0.	-4.9983
7	0.49262	SLE	Max	0.	0.	1.823
7	0.	SLE	Min	0.	0.	-11.9652
7	0.24631	SLE	Min	0.	0.	-4.9983
7	0.49262	SLE	Min	0.	0.	1.823
7	0.	SLU	Max	0.	0.	-15.5547
7	0.24631	SLU	Max	0.	0.	-6.4977
7	0.49262	SLU	Max	0.	0.	2.3699
7	0.	SLU	Min	0.	0.	-15.5547
7	0.24631	SLU	Min	0.	0.	-6.4977
7	0.49262	SLU	Min	0.	0.	2.3699
7	0.	SLV_DX_D	Max	0.	0.	138.6089
7	0.24631	SLV_DX_D	Max	0.	0.	161.8453
7	0.49262	SLV_DX_D	Max	0.	0.	185.2402
7	0.	SLV_DX_D	Min	0.	0.	138.6089
7	0.24631	SLV_DX_D	Min	0.	0.	161.8453
7	0.49262	SLV_DX_D	Min	0.	0.	185.2402
7	0.	SLV_SX_D	Max	0.	0.	20.0816
7	0.24631	SLV_SX_D	Max	0.	0.	59.3944
7	0.49262	SLV_SX_D	Max	0.	0.	94.2043
7	0.	SLV_SX_D	Min	0.	0.	20.0816
7	0.24631	SLV_SX_D	Min	0.	0.	59.3944
7	0.49262	SLV_SX_D	Min	0.	0.	94.2043
7	0.	SLV_DX_U	Max	0.	0.	211.3106
7	0.24631	SLV_DX_U	Max	0.	0.	235.9272
7	0.49262	SLV_DX_U	Max	0.	0.	260.737

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
7	0.	SLV_DX_U	Min	0.	0.	211.3106
7	0.24631	SLV_DX_U	Min	0.	0.	235.9272
7	0.49262	SLV_DX_U	Min	0.	0.	260.737
7	0.	SLV_SX_U	Max	0.	0.	146.5543
7	0.24631	SLV_SX_U	Max	0.	0.	190.233
7	0.49262	SLV_SX_U	Max	0.	0.	229.4434
7	0.	SLV_SX_U	Min	0.	0.	146.5543
7	0.24631	SLV_SX_U	Min	0.	0.	190.233
7	0.49262	SLV_SX_U	Min	0.	0.	229.4434
8	0.	SLE	Max	0.	0.	1.823
8	0.24627	SLE	Max	0.	0.	5.3212
8	0.49253	SLE	Max	0.	0.	8.5771
8	0.	SLE	Min	0.	0.	1.823
8	0.24627	SLE	Min	0.	0.	5.3212
8	0.49253	SLE	Min	0.	0.	8.5771
8	0.	SLU	Max	0.	0.	2.3699
8	0.24627	SLU	Max	0.	0.	6.9176
8	0.49253	SLU	Max	0.	0.	11.1503
8	0.	SLU	Min	0.	0.	2.3699
8	0.24627	SLU	Min	0.	0.	6.9176
8	0.49253	SLU	Min	0.	0.	11.1503
8	0.	SLV_DX_D	Max	0.	0.	185.2402
8	0.24627	SLV_DX_D	Max	0.	0.	205.2372
8	0.49253	SLV_DX_D	Max	0.	0.	225.2813
8	0.	SLV_DX_D	Min	0.	0.	185.2402
8	0.24627	SLV_DX_D	Min	0.	0.	205.2372
8	0.49253	SLV_DX_D	Min	0.	0.	225.2813
8	0.	SLV_SX_D	Max	0.	0.	94.2043
8	0.24627	SLV_SX_D	Max	0.	0.	127.8498
8	0.49253	SLV_SX_D	Max	0.	0.	156.971
8	0.	SLV_SX_D	Min	0.	0.	94.2043
8	0.24627	SLV_SX_D	Min	0.	0.	127.8498
8	0.49253	SLV_SX_D	Min	0.	0.	156.971
8	0.	SLV_DX_U	Max	0.	0.	260.737
8	0.24627	SLV_DX_U	Max	0.	0.	282.8671
8	0.49253	SLV_DX_U	Max	0.	0.	305.1017
8	0.	SLV_DX_U	Min	0.	0.	260.737
8	0.24627	SLV_DX_U	Min	0.	0.	282.8671
8	0.49253	SLV_DX_U	Min	0.	0.	305.1017
8	0.	SLV_SX_U	Max	0.	0.	229.4434
8	0.24627	SLV_SX_U	Max	0.	0.	264.601
8	0.49253	SLV_SX_U	Max	0.	0.	295.2916
8	0.	SLV_SX_U	Min	0.	0.	229.4434
8	0.24627	SLV_SX_U	Min	0.	0.	264.601
8	0.49253	SLV_SX_U	Min	0.	0.	295.2916
9	0.	SLE	Max	0.	0.	8.5771
9	0.2463	SLE	Max	0.	0.	9.6459
9	0.4926	SLE	Max	0.	0.	10.3773
9	0.	SLE	Min	0.	0.	8.5771
9	0.2463	SLE	Min	0.	0.	9.6459
9	0.4926	SLE	Min	0.	0.	10.3773
9	0.	SLU	Max	0.	0.	11.1503
9	0.2463	SLU	Max	0.	0.	12.5397
9	0.4926	SLU	Max	0.	0.	13.4905

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
9	0.	SLU	Min	0.	0.	11.1503
9	0.2463	SLU	Min	0.	0.	12.5397
9	0.4926	SLU	Min	0.	0.	13.4905
9	0.	SLV_DX_D	Max	0.	0.	225.2813
9	0.2463	SLV_DX_D	Max	0.	0.	241.0439
9	0.4926	SLV_DX_D	Max	0.	0.	256.7425
9	0.	SLV_DX_D	Min	0.	0.	225.2813
9	0.2463	SLV_DX_D	Min	0.	0.	241.0439
9	0.4926	SLV_DX_D	Min	0.	0.	256.7425
9	0.	SLV_SX_D	Max	0.	0.	156.971
9	0.2463	SLV_SX_D	Max	0.	0.	184.7436
9	0.4926	SLV_SX_D	Max	0.	0.	208.0096
9	0.	SLV_SX_D	Min	0.	0.	156.971
9	0.2463	SLV_SX_D	Min	0.	0.	184.7436
9	0.4926	SLV_SX_D	Min	0.	0.	208.0096
9	0.	SLV_DX_U	Max	0.	0.	305.1017
9	0.2463	SLV_DX_U	Max	0.	0.	323.4749
9	0.4926	SLV_DX_U	Max	0.	0.	341.8639
9	0.	SLV_DX_U	Min	0.	0.	305.1017
9	0.2463	SLV_DX_U	Min	0.	0.	323.4749
9	0.4926	SLV_DX_U	Min	0.	0.	341.8639
9	0.	SLV_SX_U	Max	0.	0.	295.2916
9	0.2463	SLV_SX_U	Max	0.	0.	321.9709
9	0.4926	SLV_SX_U	Max	0.	0.	344.2235
9	0.	SLV_SX_U	Min	0.	0.	295.2916
9	0.2463	SLV_SX_U	Min	0.	0.	321.9709
9	0.4926	SLV_SX_U	Min	0.	0.	344.2235
10	0.	SLE	Max	0.	0.	10.3773
10	0.24625	SLE	Max	0.	0.	9.9494
10	0.49249	SLE	Max	0.	0.	9.0909
10	0.	SLE	Min	0.	0.	10.3773
10	0.24625	SLE	Min	0.	0.	9.9494
10	0.49249	SLE	Min	0.	0.	9.0909
10	0.	SLU	Max	0.	0.	13.4905
10	0.24625	SLU	Max	0.	0.	12.9343
10	0.49249	SLU	Max	0.	0.	11.8182
10	0.	SLU	Min	0.	0.	13.4905
10	0.24625	SLU	Min	0.	0.	12.9343
10	0.49249	SLU	Min	0.	0.	11.8182
10	0.	SLV_DX_D	Max	0.	0.	256.7425
10	0.24625	SLV_DX_D	Max	0.	0.	266.1076
10	0.49249	SLV_DX_D	Max	0.	0.	275.2977
10	0.	SLV_DX_D	Min	0.	0.	256.7425
10	0.24625	SLV_DX_D	Min	0.	0.	266.1076
10	0.49249	SLV_DX_D	Min	0.	0.	275.2977
10	0.	SLV_SX_D	Max	0.	0.	208.0096
10	0.24625	SLV_SX_D	Max	0.	0.	229.8191
10	0.49249	SLV_SX_D	Max	0.	0.	247.1826
10	0.	SLV_SX_D	Min	0.	0.	208.0096
10	0.24625	SLV_SX_D	Min	0.	0.	229.8191
10	0.49249	SLV_SX_D	Min	0.	0.	247.1826
10	0.	SLV_DX_U	Max	0.	0.	341.8639
10	0.24625	SLV_DX_U	Max	0.	0.	353.6217
10	0.49249	SLV_DX_U	Max	0.	0.	365.3065

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
10	0.	SLV_DX_U	Min	0.	0.	341.8639
10	0.24625	SLV_DX_U	Min	0.	0.	353.6217
10	0.49249	SLV_DX_U	Min	0.	0.	365.3065
10	0.	SLV_SX_U	Max	0.	0.	344.2235
10	0.24625	SLV_SX_U	Max	0.	0.	362.6125
10	0.49249	SLV_SX_U	Max	0.	0.	376.6574
10	0.	SLV_SX_U	Min	0.	0.	344.2235
10	0.24625	SLV_SX_U	Min	0.	0.	362.6125
10	0.49249	SLV_SX_U	Min	0.	0.	376.6574
11	0.	SLE	Max	0.	0.	9.0909
11	0.2463	SLE	Max	0.	0.	7.8918
11	0.49259	SLE	Max	0.	0.	6.1706
11	0.	SLE	Min	0.	0.	9.0909
11	0.2463	SLE	Min	0.	0.	7.8918
11	0.49259	SLE	Min	0.	0.	6.1706
11	0.	SLU	Max	0.	0.	11.8182
11	0.2463	SLU	Max	0.	0.	10.2594
11	0.49259	SLU	Max	0.	0.	8.0218
11	0.	SLU	Min	0.	0.	11.8182
11	0.2463	SLU	Min	0.	0.	10.2594
11	0.49259	SLU	Min	0.	0.	8.0218
11	0.	SLV_DX_D	Max	0.	0.	275.2977
11	0.2463	SLV_DX_D	Max	0.	0.	274.9011
11	0.49259	SLV_DX_D	Max	0.	0.	274.2193
11	0.	SLV_DX_D	Min	0.	0.	275.2977
11	0.2463	SLV_DX_D	Min	0.	0.	274.9011
11	0.49259	SLV_DX_D	Min	0.	0.	274.2193
11	0.	SLV_SX_D	Max	0.	0.	247.1826
11	0.2463	SLV_SX_D	Max	0.	0.	263.0154
11	0.49259	SLV_SX_D	Max	0.	0.	274.4961
11	0.	SLV_SX_D	Min	0.	0.	247.1826
11	0.2463	SLV_SX_D	Min	0.	0.	263.0154
11	0.49259	SLV_SX_D	Min	0.	0.	274.4961
11	0.	SLV_DX_U	Max	0.	0.	365.3065
11	0.2463	SLV_DX_U	Max	0.	0.	366.0282
11	0.49259	SLV_DX_U	Max	0.	0.	366.5884
11	0.	SLV_DX_U	Min	0.	0.	365.3065
11	0.2463	SLV_DX_U	Min	0.	0.	366.0282
11	0.49259	SLV_DX_U	Min	0.	0.	366.5884
11	0.	SLV_SX_U	Max	0.	0.	376.6574
11	0.2463	SLV_SX_U	Max	0.	0.	387.0585
11	0.49259	SLV_SX_U	Max	0.	0.	393.2314
11	0.	SLV_SX_U	Min	0.	0.	376.6574
11	0.2463	SLV_SX_U	Min	0.	0.	387.0585
11	0.49259	SLV_SX_U	Min	0.	0.	393.2314
12	0.	SLE	Max	0.	0.	6.1706
12	0.24626	SLE	Max	0.	0.	4.7519
12	0.49252	SLE	Max	0.	0.	2.7225
12	0.	SLE	Min	0.	0.	6.1706
12	0.24626	SLE	Min	0.	0.	4.7519
12	0.49252	SLE	Min	0.	0.	2.7225
12	0.	SLU	Max	0.	0.	8.0218
12	0.24626	SLU	Max	0.	0.	6.1775
12	0.49252	SLU	Max	0.	0.	3.5392

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
12	0.	SLU	Min	0.	0.	8.0218
12	0.24626	SLU	Min	0.	0.	6.1775
12	0.49252	SLU	Min	0.	0.	3.5392
12	0.	SLV_DX_D	Max	0.	0.	274.2193
12	0.24626	SLV_DX_D	Max	0.	0.	259.7319
12	0.49252	SLV_DX_D	Max	0.	0.	244.8506
12	0.	SLV_DX_D	Min	0.	0.	274.2193
12	0.24626	SLV_DX_D	Min	0.	0.	259.7319
12	0.49252	SLV_DX_D	Min	0.	0.	244.8506
12	0.	SLV_SX_D	Max	0.	0.	274.4961
12	0.24626	SLV_SX_D	Max	0.	0.	284.4113
12	0.49252	SLV_SX_D	Max	0.	0.	290.1056
12	0.	SLV_SX_D	Min	0.	0.	274.4961
12	0.24626	SLV_SX_D	Min	0.	0.	284.4113
12	0.49252	SLV_SX_D	Min	0.	0.	290.1056
12	0.	SLV_DX_U	Max	0.	0.	366.5884
12	0.24626	SLV_DX_U	Max	0.	0.	350.5834
12	0.49252	SLV_DX_U	Max	0.	0.	334.3291
12	0.	SLV_DX_U	Min	0.	0.	366.5884
12	0.24626	SLV_DX_U	Min	0.	0.	350.5834
12	0.49252	SLV_DX_U	Min	0.	0.	334.3291
12	0.	SLV_SX_U	Max	0.	0.	393.2314
12	0.24626	SLV_SX_U	Max	0.	0.	396.0462
12	0.49252	SLV_SX_U	Max	0.	0.	394.785
12	0.	SLV_SX_U	Min	0.	0.	393.2314
12	0.24626	SLV_SX_U	Min	0.	0.	396.0462
12	0.49252	SLV_SX_U	Min	0.	0.	394.785
13	0.	SLE	Max	0.	0.	2.7225
13	0.24629	SLE	Max	0.	0.	1.4679
13	0.49258	SLE	Max	0.	0.	-0.483
13	0.	SLE	Min	0.	0.	2.7225
13	0.24629	SLE	Min	0.	0.	1.4679
13	0.49258	SLE	Min	0.	0.	-0.483
13	0.	SLU	Max	0.	0.	3.5392
13	0.24629	SLU	Max	0.	0.	1.9083
13	0.49258	SLU	Max	0.	0.	-0.628
13	0.	SLU	Min	0.	0.	3.5392
13	0.24629	SLU	Min	0.	0.	1.9083
13	0.49258	SLU	Min	0.	0.	-0.628
13	0.	SLV_DX_D	Max	0.	0.	244.8506
13	0.24629	SLV_DX_D	Max	0.	0.	211.3663
13	0.49258	SLV_DX_D	Max	0.	0.	177.3811
13	0.	SLV_DX_D	Min	0.	0.	244.8506
13	0.24629	SLV_DX_D	Min	0.	0.	211.3663
13	0.49258	SLV_DX_D	Min	0.	0.	177.3811
13	0.	SLV_SX_D	Max	0.	0.	290.1056
13	0.24629	SLV_SX_D	Max	0.	0.	294.255
13	0.49258	SLV_SX_D	Max	0.	0.	294.3419
13	0.	SLV_SX_D	Min	0.	0.	290.1056
13	0.24629	SLV_SX_D	Min	0.	0.	294.255
13	0.49258	SLV_SX_D	Min	0.	0.	294.3419
13	0.	SLV_DX_U	Max	0.	0.	334.3291
13	0.24629	SLV_DX_U	Max	0.	0.	295.1334
13	0.49258	SLV_DX_U	Max	0.	0.	255.602

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
13	0.	SLV_DX_U	Min	0.	0.	334.3291
13	0.24629	SLV_DX_U	Min	0.	0.	295.1334
13	0.49258	SLV_DX_U	Min	0.	0.	255.602
13	0.	SLV_SX_U	Max	0.	0.	394.785
13	0.24629	SLV_SX_U	Max	0.	0.	390.5192
13	0.49258	SLV_SX_U	Max	0.	0.	382.3559
13	0.	SLV_SX_U	Min	0.	0.	394.785
13	0.24629	SLV_SX_U	Min	0.	0.	390.5192
13	0.49258	SLV_SX_U	Min	0.	0.	382.3559
14	0.	SLE	Max	0.	0.	-0.483
14	0.24628	SLE	Max	0.	0.	-0.856
14	0.49255	SLE	Max	0.	0.	-2.007
14	0.	SLE	Min	0.	0.	-0.483
14	0.24628	SLE	Min	0.	0.	-0.856
14	0.49255	SLE	Min	0.	0.	-2.007
14	0.	SLU	Max	0.	0.	-0.628
14	0.24628	SLU	Max	0.	0.	-1.1128
14	0.49255	SLU	Max	0.	0.	-2.609
14	0.	SLU	Min	0.	0.	-0.628
14	0.24628	SLU	Min	0.	0.	-1.1128
14	0.49255	SLU	Min	0.	0.	-2.609
14	0.	SLV_DX_D	Max	0.	0.	177.3811
14	0.24628	SLV_DX_D	Max	0.	0.	134.4786
14	0.49255	SLV_DX_D	Max	0.	0.	90.9714
14	0.	SLV_DX_D	Min	0.	0.	177.3811
14	0.24628	SLV_DX_D	Min	0.	0.	134.4786
14	0.49255	SLV_DX_D	Min	0.	0.	90.9714
14	0.	SLV_SX_D	Max	0.	0.	294.3419
14	0.24628	SLV_SX_D	Max	0.	0.	292.9741
14	0.49255	SLV_SX_D	Max	0.	0.	287.7284
14	0.	SLV_SX_D	Min	0.	0.	294.3419
14	0.24628	SLV_SX_D	Min	0.	0.	292.9741
14	0.49255	SLV_SX_D	Min	0.	0.	287.7284
14	0.	SLV_DX_U	Max	0.	0.	255.602
14	0.24628	SLV_DX_U	Max	0.	0.	203.5635
14	0.49255	SLV_DX_U	Max	0.	0.	151.1048
14	0.	SLV_DX_U	Min	0.	0.	255.602
14	0.24628	SLV_DX_U	Min	0.	0.	203.5635
14	0.49255	SLV_DX_U	Min	0.	0.	151.1048
14	0.	SLV_SX_U	Max	0.	0.	382.3559
14	0.24628	SLV_SX_U	Max	0.	0.	371.6152
14	0.49255	SLV_SX_U	Max	0.	0.	357.1811
14	0.	SLV_SX_U	Min	0.	0.	382.3559
14	0.24628	SLV_SX_U	Min	0.	0.	371.6152
14	0.49255	SLV_SX_U	Min	0.	0.	357.1811
15	0.	SLE	Max	0.	0.	-2.007
15	0.24625	SLE	Max	0.	0.	-1.333
15	0.4925	SLE	Max	0.	0.	-1.5148
15	0.	SLE	Min	0.	0.	-2.007
15	0.24625	SLE	Min	0.	0.	-1.333
15	0.4925	SLE	Min	0.	0.	-1.5148
15	0.	SLU	Max	0.	0.	-2.609
15	0.24625	SLU	Max	0.	0.	-1.7329
15	0.4925	SLU	Max	0.	0.	-1.9693

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
15	0.	SLU	Min	0.	0.	-2.609
15	0.24625	SLU	Min	0.	0.	-1.7329
15	0.4925	SLU	Min	0.	0.	-1.9693
15	0.	SLV_DX_D	Max	0.	0.	90.9714
15	0.24625	SLV_DX_D	Max	0.	0.	53.4993
15	0.4925	SLV_DX_D	Max	0.	0.	15.3218
15	0.	SLV_DX_D	Min	0.	0.	90.9714
15	0.24625	SLV_DX_D	Min	0.	0.	53.4993
15	0.4925	SLV_DX_D	Min	0.	0.	15.3218
15	0.	SLV_SX_D	Max	0.	0.	287.7284
15	0.24625	SLV_SX_D	Max	0.	0.	281.2563
15	0.4925	SLV_SX_D	Max	0.	0.	271.1119
15	0.	SLV_SX_D	Min	0.	0.	287.7284
15	0.24625	SLV_SX_D	Min	0.	0.	281.2563
15	0.4925	SLV_SX_D	Min	0.	0.	271.1119
15	0.	SLV_DX_U	Max	0.	0.	151.1048
15	0.24625	SLV_DX_U	Max	0.	0.	103.8984
15	0.4925	SLV_DX_U	Max	0.	0.	56.1894
15	0.	SLV_DX_U	Min	0.	0.	151.1048
15	0.24625	SLV_DX_U	Min	0.	0.	103.8984
15	0.4925	SLV_DX_U	Min	0.	0.	56.1894
15	0.	SLV_SX_U	Max	0.	0.	357.1811
15	0.24625	SLV_SX_U	Max	0.	0.	340.7141
15	0.4925	SLV_SX_U	Max	0.	0.	320.7775
15	0.	SLV_SX_U	Min	0.	0.	357.1811
15	0.24625	SLV_SX_U	Min	0.	0.	340.7141
15	0.4925	SLV_SX_U	Min	0.	0.	320.7775
16	0.	SLE	Max	0.	0.	-1.5148
16	0.2463	SLE	Max	0.	0.	-0.0689
16	0.4926	SLE	Max	0.	0.	0.4471
16	0.	SLE	Min	0.	0.	-1.5148
16	0.2463	SLE	Min	0.	0.	-0.0689
16	0.4926	SLE	Min	0.	0.	0.4471
16	0.	SLU	Max	0.	0.	-1.9693
16	0.2463	SLU	Max	0.	0.	-0.0896
16	0.4926	SLU	Max	0.	0.	0.5812
16	0.	SLU	Min	0.	0.	-1.9693
16	0.2463	SLU	Min	0.	0.	-0.0896
16	0.4926	SLU	Min	0.	0.	0.5812
16	0.	SLV_DX_D	Max	0.	0.	15.3218
16	0.2463	SLV_DX_D	Max	0.	0.	-16.991
16	0.4926	SLV_DX_D	Max	0.	0.	-50.1072
16	0.	SLV_DX_D	Min	0.	0.	15.3218
16	0.2463	SLV_DX_D	Min	0.	0.	-16.991
16	0.4926	SLV_DX_D	Min	0.	0.	-50.1072
16	0.	SLV_SX_D	Max	0.	0.	271.1119
16	0.2463	SLV_SX_D	Max	0.	0.	260.0703
16	0.4926	SLV_SX_D	Max	0.	0.	245.5751
16	0.	SLV_SX_D	Min	0.	0.	271.1119
16	0.2463	SLV_SX_D	Min	0.	0.	260.0703
16	0.4926	SLV_SX_D	Min	0.	0.	245.5751
16	0.	SLV_DX_U	Max	0.	0.	56.1894
16	0.2463	SLV_DX_U	Max	0.	0.	13.8537
16	0.4926	SLV_DX_U	Max	0.	0.	-29.0651

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
16	0.	SLV_DX_U	Min	0.	0.	56.1894
16	0.2463	SLV_DX_U	Min	0.	0.	13.8537
16	0.4926	SLV_DX_U	Min	0.	0.	-29.0651
16	0.	SLV_SX_U	Max	0.	0.	320.7775
16	0.2463	SLV_SX_U	Max	0.	0.	299.4297
16	0.4926	SLV_SX_U	Max	0.	0.	274.8488
16	0.	SLV_SX_U	Min	0.	0.	320.7775
16	0.2463	SLV_SX_U	Min	0.	0.	299.4297
16	0.4926	SLV_SX_U	Min	0.	0.	274.8488
17	0.	SLE	Max	0.	0.	0.4471
17	0.2463	SLE	Max	0.	0.	2.3502
17	0.4926	SLE	Max	0.	0.	3.2546
17	0.	SLE	Min	0.	0.	0.4471
17	0.2463	SLE	Min	0.	0.	2.3502
17	0.4926	SLE	Min	0.	0.	3.2546
17	0.	SLU	Max	0.	0.	0.5812
17	0.2463	SLU	Max	0.	0.	3.0552
17	0.4926	SLU	Max	0.	0.	4.231
17	0.	SLU	Min	0.	0.	0.5812
17	0.2463	SLU	Min	0.	0.	3.0552
17	0.4926	SLU	Min	0.	0.	4.231
17	0.	SLV_DX_D	Max	0.	0.	-50.1072
17	0.2463	SLV_DX_D	Max	0.	0.	-77.6015
17	0.4926	SLV_DX_D	Max	0.	0.	-105.9923
17	0.	SLV_DX_D	Min	0.	0.	-50.1072
17	0.2463	SLV_DX_D	Min	0.	0.	-77.6015
17	0.4926	SLV_DX_D	Min	0.	0.	-105.9923
17	0.	SLV_SX_D	Max	0.	0.	245.5751
17	0.2463	SLV_SX_D	Max	0.	0.	230.5225
17	0.4926	SLV_SX_D	Max	0.	0.	212.245
17	0.	SLV_SX_D	Min	0.	0.	245.5751
17	0.2463	SLV_SX_D	Min	0.	0.	230.5225
17	0.4926	SLV_SX_D	Min	0.	0.	212.245
17	0.	SLV_DX_U	Max	0.	0.	-29.0651
17	0.2463	SLV_DX_U	Max	0.	0.	-66.5687
17	0.4926	SLV_DX_U	Max	0.	0.	-104.7323
17	0.	SLV_DX_U	Min	0.	0.	-29.0651
17	0.2463	SLV_DX_U	Min	0.	0.	-66.5687
17	0.4926	SLV_DX_U	Min	0.	0.	-104.7323
17	0.	SLV_SX_U	Max	0.	0.	274.8488
17	0.2463	SLV_SX_U	Max	0.	0.	249.4827
17	0.4926	SLV_SX_U	Max	0.	0.	221.1284
17	0.	SLV_SX_U	Min	0.	0.	274.8488
17	0.2463	SLV_SX_U	Min	0.	0.	249.4827
17	0.4926	SLV_SX_U	Min	0.	0.	221.1284
18	0.	SLE	Max	0.	0.	3.2546
18	0.24625	SLE	Max	0.	0.	5.4417
18	0.4925	SLE	Max	0.	0.	6.5667
18	0.	SLE	Min	0.	0.	3.2546
18	0.24625	SLE	Min	0.	0.	5.4417
18	0.4925	SLE	Min	0.	0.	6.5667
18	0.	SLU	Max	0.	0.	4.231
18	0.24625	SLU	Max	0.	0.	7.0742
18	0.4925	SLU	Max	0.	0.	8.5367

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
18	0.	SLU	Min	0.	0.	4.231
18	0.24625	SLU	Min	0.	0.	7.0742
18	0.4925	SLU	Min	0.	0.	8.5367
18	0.	SLV_DX_D	Max	0.	0.	-105.9923
18	0.24625	SLV_DX_D	Max	0.	0.	-128.8359
18	0.4925	SLV_DX_D	Max	0.	0.	-152.6647
18	0.	SLV_DX_D	Min	0.	0.	-105.9923
18	0.24625	SLV_DX_D	Min	0.	0.	-128.8359
18	0.4925	SLV_DX_D	Min	0.	0.	-152.6647
18	0.	SLV_SX_D	Max	0.	0.	212.245
18	0.24625	SLV_SX_D	Max	0.	0.	193.939
18	0.4925	SLV_SX_D	Max	0.	0.	172.6429
18	0.	SLV_SX_D	Min	0.	0.	212.245
18	0.24625	SLV_SX_D	Min	0.	0.	193.939
18	0.4925	SLV_SX_D	Min	0.	0.	172.6429
18	0.	SLV_DX_U	Max	0.	0.	-104.7323
18	0.24625	SLV_DX_U	Max	0.	0.	-137.3159
18	0.4925	SLV_DX_U	Max	0.	0.	-170.6329
18	0.	SLV_DX_U	Min	0.	0.	-104.7323
18	0.24625	SLV_DX_U	Min	0.	0.	-137.3159
18	0.4925	SLV_DX_U	Min	0.	0.	-170.6329
18	0.	SLV_SX_U	Max	0.	0.	221.1284
18	0.24625	SLV_SX_U	Max	0.	0.	192.7589
18	0.4925	SLV_SX_U	Max	0.	0.	161.651
18	0.	SLV_SX_U	Min	0.	0.	221.1284
18	0.24625	SLV_SX_U	Min	0.	0.	192.7589
18	0.4925	SLV_SX_U	Min	0.	0.	161.651
19	0.	SLE	Max	0.	0.	6.5667
19	0.24628	SLE	Max	0.	0.	8.8369
19	0.49255	SLE	Max	0.	0.	9.9865
19	0.	SLE	Min	0.	0.	6.5667
19	0.24628	SLE	Min	0.	0.	8.8369
19	0.49255	SLE	Min	0.	0.	9.9865
19	0.	SLU	Max	0.	0.	8.5367
19	0.24628	SLU	Max	0.	0.	11.488
19	0.49255	SLU	Max	0.	0.	12.9825
19	0.	SLU	Min	0.	0.	8.5367
19	0.24628	SLU	Min	0.	0.	11.488
19	0.49255	SLU	Min	0.	0.	12.9825
19	0.	SLV_DX_D	Max	0.	0.	-152.6647
19	0.24628	SLV_DX_D	Max	0.	0.	-171.1141
19	0.49255	SLV_DX_D	Max	0.	0.	-190.6326
19	0.	SLV_DX_D	Min	0.	0.	-152.6647
19	0.24628	SLV_DX_D	Min	0.	0.	-171.1141
19	0.49255	SLV_DX_D	Min	0.	0.	-190.6326
19	0.	SLV_SX_D	Max	0.	0.	172.6429
19	0.24628	SLV_SX_D	Max	0.	0.	151.8173
19	0.49255	SLV_SX_D	Max	0.	0.	128.2323
19	0.	SLV_SX_D	Min	0.	0.	172.6429
19	0.24628	SLV_SX_D	Min	0.	0.	151.8173
19	0.49255	SLV_SX_D	Min	0.	0.	128.2323
19	0.	SLV_DX_U	Max	0.	0.	-170.6329
19	0.24628	SLV_DX_U	Max	0.	0.	-198.323
19	0.49255	SLV_DX_U	Max	0.	0.	-226.8165

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
19	0.	SLV_DX_U	Min	0.	0.	-170.6329
19	0.24628	SLV_DX_U	Min	0.	0.	-198.323
19	0.49255	SLV_DX_U	Min	0.	0.	-226.8165
19	0.	SLV_SX_U	Max	0.	0.	161.651
19	0.24628	SLV_SX_U	Max	0.	0.	131.2435
19	0.49255	SLV_SX_U	Max	0.	0.	98.3421
19	0.	SLV_SX_U	Min	0.	0.	161.651
19	0.24628	SLV_SX_U	Min	0.	0.	131.2435
19	0.49255	SLV_SX_U	Min	0.	0.	98.3421
20	0.	SLE	Max	0.	0.	9.9865
20	0.24629	SLE	Max	0.	0.	12.1954
20	0.49258	SLE	Max	0.	0.	13.2309
20	0.	SLE	Min	0.	0.	9.9865
20	0.24629	SLE	Min	0.	0.	12.1954
20	0.49258	SLE	Min	0.	0.	13.2309
20	0.	SLU	Max	0.	0.	12.9825
20	0.24629	SLU	Max	0.	0.	15.854
20	0.49258	SLU	Max	0.	0.	17.2002
20	0.	SLU	Min	0.	0.	12.9825
20	0.24629	SLU	Min	0.	0.	15.854
20	0.49258	SLU	Min	0.	0.	17.2002
20	0.	SLV_DX_D	Max	0.	0.	-190.6326
20	0.24629	SLV_DX_D	Max	0.	0.	-204.8829
20	0.49258	SLV_DX_D	Max	0.	0.	-220.2806
20	0.	SLV_DX_D	Min	0.	0.	-190.6326
20	0.24629	SLV_DX_D	Min	0.	0.	-204.8829
20	0.49258	SLV_DX_D	Min	0.	0.	-220.2806
20	0.	SLV_SX_D	Max	0.	0.	128.2323
20	0.24629	SLV_SX_D	Max	0.	0.	105.6817
20	0.49258	SLV_SX_D	Max	0.	0.	80.5952
20	0.	SLV_SX_D	Min	0.	0.	128.2323
20	0.24629	SLV_SX_D	Min	0.	0.	105.6817
20	0.49258	SLV_SX_D	Min	0.	0.	80.5952
20	0.	SLV_DX_U	Max	0.	0.	-226.8165
20	0.24629	SLV_DX_U	Max	0.	0.	-249.6101
20	0.49258	SLV_DX_U	Max	0.	0.	-273.273
20	0.	SLV_DX_U	Min	0.	0.	-226.8165
20	0.24629	SLV_DX_U	Min	0.	0.	-249.6101
20	0.49258	SLV_DX_U	Min	0.	0.	-273.273
20	0.	SLV_SX_U	Max	0.	0.	98.3421
20	0.24629	SLV_SX_U	Max	0.	0.	66.891
20	0.49258	SLV_SX_U	Max	0.	0.	33.1818
20	0.	SLV_SX_U	Min	0.	0.	98.3421
20	0.24629	SLV_SX_U	Min	0.	0.	66.891
20	0.49258	SLV_SX_U	Min	0.	0.	33.1818
21	0.	SLE	Max	0.	0.	13.2309
21	0.24626	SLE	Max	0.	0.	15.3097
21	0.49252	SLE	Max	0.	0.	16.1687
21	0.	SLE	Min	0.	0.	13.2309
21	0.24626	SLE	Min	0.	0.	15.3097
21	0.49252	SLE	Min	0.	0.	16.1687
21	0.	SLU	Max	0.	0.	17.2002
21	0.24626	SLU	Max	0.	0.	19.9026
21	0.49252	SLU	Max	0.	0.	21.0193

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
21	0.	SLU	Min	0.	0.	17.2002
21	0.24626	SLU	Min	0.	0.	19.9026
21	0.49252	SLU	Min	0.	0.	21.0193
21	0.	SLV_DX_D	Max	0.	0.	-220.2806
21	0.24626	SLV_DX_D	Max	0.	0.	-230.4414
21	0.49252	SLV_DX_D	Max	0.	0.	-241.8217
21	0.	SLV_DX_D	Min	0.	0.	-220.2806
21	0.24626	SLV_DX_D	Min	0.	0.	-230.4414
21	0.49252	SLV_DX_D	Min	0.	0.	-241.8217
21	0.	SLV_SX_D	Max	0.	0.	80.5952
21	0.24626	SLV_SX_D	Max	0.	0.	57.1806
21	0.49252	SLV_SX_D	Max	0.	0.	31.4427
21	0.	SLV_SX_D	Min	0.	0.	80.5952
21	0.24626	SLV_SX_D	Min	0.	0.	57.1806
21	0.49252	SLV_SX_D	Min	0.	0.	31.4427
21	0.	SLV_DX_U	Max	0.	0.	-273.273
21	0.24626	SLV_DX_U	Max	0.	0.	-291.1174
21	0.49252	SLV_DX_U	Max	0.	0.	-309.8923
21	0.	SLV_DX_U	Min	0.	0.	-273.273
21	0.24626	SLV_DX_U	Min	0.	0.	-291.1174
21	0.49252	SLV_DX_U	Min	0.	0.	-309.8923
21	0.	SLV_SX_U	Max	0.	0.	33.1818
21	0.24626	SLV_SX_U	Max	0.	0.	1.7121
21	0.49252	SLV_SX_U	Max	0.	0.	-31.7919
21	0.	SLV_SX_U	Min	0.	0.	33.1818
21	0.24626	SLV_SX_U	Min	0.	0.	1.7121
21	0.49252	SLV_SX_U	Min	0.	0.	-31.7919
22	0.	SLE	Max	0.	0.	16.1687
22	0.2463	SLE	Max	0.	0.	18.0723
22	0.49259	SLE	Max	0.	0.	18.7152
22	0.	SLE	Min	0.	0.	16.1687
22	0.2463	SLE	Min	0.	0.	18.0723
22	0.49259	SLE	Min	0.	0.	18.7152
22	0.	SLU	Max	0.	0.	21.0193
22	0.2463	SLU	Max	0.	0.	23.494
22	0.49259	SLU	Max	0.	0.	24.3298
22	0.	SLU	Min	0.	0.	21.0193
22	0.2463	SLU	Min	0.	0.	23.494
22	0.49259	SLU	Min	0.	0.	24.3298
22	0.	SLV_DX_D	Max	0.	0.	-241.8217
22	0.2463	SLV_DX_D	Max	0.	0.	-248.0028
22	0.49259	SLV_DX_D	Max	0.	0.	-255.4701
22	0.	SLV_DX_D	Min	0.	0.	-241.8217
22	0.2463	SLV_DX_D	Min	0.	0.	-248.0028
22	0.49259	SLV_DX_D	Min	0.	0.	-255.4701
22	0.	SLV_SX_D	Max	0.	0.	31.4427
22	0.2463	SLV_SX_D	Max	0.	0.	7.9909
22	0.49259	SLV_SX_D	Max	0.	0.	-17.5898
22	0.	SLV_SX_D	Min	0.	0.	31.4427
22	0.2463	SLV_SX_D	Min	0.	0.	7.9909
22	0.49259	SLV_SX_D	Min	0.	0.	-17.5898
22	0.	SLV_DX_U	Max	0.	0.	-309.8923
22	0.2463	SLV_DX_U	Max	0.	0.	-322.7675
22	0.49259	SLV_DX_U	Max	0.	0.	-336.6302

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
22	0.	SLV_DX_U	Min	0.	0.	-309.8923
22	0.2463	SLV_DX_U	Min	0.	0.	-322.7675
22	0.49259	SLV_DX_U	Min	0.	0.	-336.6302
22	0.	SLV_SX_U	Max	0.	0.	-31.7919
22	0.2463	SLV_SX_U	Max	0.	0.	-62.3217
22	0.49259	SLV_SX_U	Max	0.	0.	-94.6817
22	0.	SLV_SX_U	Min	0.	0.	-31.7919
22	0.2463	SLV_SX_U	Min	0.	0.	-62.3217
22	0.49259	SLV_SX_U	Min	0.	0.	-94.6817
23	0.	SLE	Max	0.	0.	18.7152
23	0.24625	SLE	Max	0.	0.	20.4059
23	0.49249	SLE	Max	0.	0.	20.8025
23	0.	SLE	Min	0.	0.	18.7152
23	0.24625	SLE	Min	0.	0.	20.4059
23	0.49249	SLE	Min	0.	0.	20.8025
23	0.	SLU	Max	0.	0.	24.3298
23	0.24625	SLU	Max	0.	0.	26.5277
23	0.49249	SLU	Max	0.	0.	27.0432
23	0.	SLU	Min	0.	0.	24.3298
23	0.24625	SLU	Min	0.	0.	26.5277
23	0.49249	SLU	Min	0.	0.	27.0432
23	0.	SLV_DX_D	Max	0.	0.	-255.4701
23	0.24625	SLV_DX_D	Max	0.	0.	-257.7904
23	0.49249	SLV_DX_D	Max	0.	0.	-261.4561
23	0.	SLV_DX_D	Min	0.	0.	-255.4701
23	0.24625	SLV_DX_D	Min	0.	0.	-257.7904
23	0.49249	SLV_DX_D	Min	0.	0.	-261.4561
23	0.	SLV_SX_D	Max	0.	0.	-17.5898
23	0.24625	SLV_SX_D	Max	0.	0.	-40.3004
23	0.49249	SLV_SX_D	Max	0.	0.	-64.9657
23	0.	SLV_SX_D	Min	0.	0.	-17.5898
23	0.24625	SLV_SX_D	Min	0.	0.	-40.3004
23	0.49249	SLV_SX_D	Min	0.	0.	-64.9657
23	0.	SLV_DX_U	Max	0.	0.	-336.6302
23	0.24625	SLV_DX_U	Max	0.	0.	-344.5464
23	0.49249	SLV_DX_U	Max	0.	0.	-353.5014
23	0.	SLV_DX_U	Min	0.	0.	-336.6302
23	0.24625	SLV_DX_U	Min	0.	0.	-344.5464
23	0.49249	SLV_DX_U	Min	0.	0.	-353.5014
23	0.	SLV_SX_U	Max	0.	0.	-94.6817
23	0.24625	SLV_SX_U	Max	0.	0.	-123.3825
23	0.49249	SLV_SX_U	Max	0.	0.	-153.7311
23	0.	SLV_SX_U	Min	0.	0.	-94.6817
23	0.24625	SLV_SX_U	Min	0.	0.	-123.3825
23	0.49249	SLV_SX_U	Min	0.	0.	-153.7311
24	0.	SLE	Max	0.	0.	20.8025
24	0.2463	SLE	Max	0.	0.	22.2636
24	0.4926	SLE	Max	0.	0.	22.4025
24	0.	SLE	Min	0.	0.	20.8025
24	0.2463	SLE	Min	0.	0.	22.2636
24	0.4926	SLE	Min	0.	0.	22.4025
24	0.	SLU	Max	0.	0.	27.0432
24	0.2463	SLU	Max	0.	0.	28.9426
24	0.4926	SLU	Max	0.	0.	29.1233

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
24	0.	SLU	Min	0.	0.	27.0432
24	0.2463	SLU	Min	0.	0.	28.9426
24	0.4926	SLU	Min	0.	0.	29.1233
24	0.	SLV_DX_D	Max	0.	0.	-261.4561
24	0.2463	SLV_DX_D	Max	0.	0.	-260.0312
24	0.4926	SLV_DX_D	Max	0.	0.	-260.0052
24	0.	SLV_DX_D	Min	0.	0.	-261.4561
24	0.2463	SLV_DX_D	Min	0.	0.	-260.0312
24	0.4926	SLV_DX_D	Min	0.	0.	-260.0052
24	0.	SLV_SX_D	Max	0.	0.	-64.9657
24	0.2463	SLV_SX_D	Max	0.	0.	-86.2406
24	0.4926	SLV_SX_D	Max	0.	0.	-109.3227
24	0.	SLV_SX_D	Min	0.	0.	-64.9657
24	0.2463	SLV_SX_D	Min	0.	0.	-86.2406
24	0.4926	SLV_SX_D	Min	0.	0.	-109.3227
24	0.	SLV_DX_U	Max	0.	0.	-353.5014
24	0.2463	SLV_DX_U	Max	0.	0.	-356.4954
24	0.4926	SLV_DX_U	Max	0.	0.	-360.5749
24	0.	SLV_DX_U	Min	0.	0.	-353.5014
24	0.2463	SLV_DX_U	Min	0.	0.	-356.4954
24	0.4926	SLV_DX_U	Min	0.	0.	-360.5749
24	0.	SLV_SX_U	Max	0.	0.	-153.7311
24	0.2463	SLV_SX_U	Max	0.	0.	-179.8276
24	0.4926	SLV_SX_U	Max	0.	0.	-207.4179
24	0.	SLV_SX_U	Min	0.	0.	-153.7311
24	0.2463	SLV_SX_U	Min	0.	0.	-179.8276
24	0.4926	SLV_SX_U	Min	0.	0.	-207.4179
25	0.	SLE	Max	0.	0.	22.4025
25	0.24627	SLE	Max	0.	0.	23.619
25	0.49253	SLE	Max	0.	0.	23.493
25	0.	SLE	Min	0.	0.	22.4025
25	0.24627	SLE	Min	0.	0.	23.619
25	0.49253	SLE	Min	0.	0.	23.493
25	0.	SLU	Max	0.	0.	29.1233
25	0.24627	SLU	Max	0.	0.	30.7047
25	0.49253	SLU	Max	0.	0.	30.5409
25	0.	SLU	Min	0.	0.	29.1233
25	0.24627	SLU	Min	0.	0.	30.7047
25	0.49253	SLU	Min	0.	0.	30.5409
25	0.	SLV_DX_D	Max	0.	0.	-260.0052
25	0.24627	SLV_DX_D	Max	0.	0.	-254.9658
25	0.49253	SLV_DX_D	Max	0.	0.	-251.3705
25	0.	SLV_DX_D	Min	0.	0.	-260.0052
25	0.24627	SLV_DX_D	Min	0.	0.	-254.9658
25	0.49253	SLV_DX_D	Min	0.	0.	-251.3705
25	0.	SLV_SX_D	Max	0.	0.	-109.3227
25	0.24627	SLV_SX_D	Max	0.	0.	-128.5549
25	0.49253	SLV_SX_D	Max	0.	0.	-149.4743
25	0.	SLV_SX_D	Min	0.	0.	-109.3227
25	0.24627	SLV_SX_D	Min	0.	0.	-128.5549
25	0.49253	SLV_SX_D	Min	0.	0.	-149.4743
25	0.	SLV_DX_U	Max	0.	0.	-360.5749
25	0.24627	SLV_DX_U	Max	0.	0.	-358.7158
25	0.49253	SLV_DX_U	Max	0.	0.	-357.9825

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
25	0.	SLV_DX_U	Min	0.	0.	-360.5749
25	0.24627	SLV_DX_U	Min	0.	0.	-358.7158
25	0.49253	SLV_DX_U	Min	0.	0.	-357.9825
25	0.	SLV_SX_U	Max	0.	0.	-207.4179
25	0.24627	SLV_SX_U	Max	0.	0.	-230.2392
25	0.49253	SLV_SX_U	Max	0.	0.	-254.4296
25	0.	SLV_SX_U	Min	0.	0.	-207.4179
25	0.24627	SLV_SX_U	Min	0.	0.	-230.2392
25	0.49253	SLV_SX_U	Min	0.	0.	-254.4296
26	0.	SLE	Max	0.	0.	23.493
26	0.24631	SLE	Max	0.	0.	24.5117
26	0.49262	SLE	Max	0.	0.	24.1736
26	0.	SLE	Min	0.	0.	23.493
26	0.24631	SLE	Min	0.	0.	24.5117
26	0.49262	SLE	Min	0.	0.	24.1736
26	0.	SLU	Max	0.	0.	30.5409
26	0.24631	SLU	Max	0.	0.	31.8652
26	0.49262	SLU	Max	0.	0.	31.4256
26	0.	SLU	Min	0.	0.	30.5409
26	0.24631	SLU	Min	0.	0.	31.8652
26	0.49262	SLU	Min	0.	0.	31.4256
26	0.	SLV_DX_D	Max	0.	0.	-251.3705
26	0.24631	SLV_DX_D	Max	0.	0.	-242.7665
26	0.49262	SLV_DX_D	Max	0.	0.	-235.6456
26	0.	SLV_DX_D	Min	0.	0.	-251.3705
26	0.24631	SLV_DX_D	Min	0.	0.	-242.7665
26	0.49262	SLV_DX_D	Min	0.	0.	-235.6456
26	0.	SLV_SX_D	Max	0.	0.	-149.4743
26	0.24631	SLV_SX_D	Max	0.	0.	-166.0959
26	0.49262	SLV_SX_D	Max	0.	0.	-184.316
26	0.	SLV_SX_D	Min	0.	0.	-149.4743
26	0.24631	SLV_SX_D	Min	0.	0.	-166.0959
26	0.49262	SLV_SX_D	Min	0.	0.	-184.316
26	0.	SLV_DX_U	Max	0.	0.	-357.9825
26	0.24631	SLV_DX_U	Max	0.	0.	-351.2849
26	0.49262	SLV_DX_U	Max	0.	0.	-345.7487
26	0.	SLV_DX_U	Min	0.	0.	-357.9825
26	0.24631	SLV_DX_U	Min	0.	0.	-351.2849
26	0.49262	SLV_DX_U	Min	0.	0.	-345.7487
26	0.	SLV_SX_U	Max	0.	0.	-254.4296
26	0.24631	SLV_SX_U	Max	0.	0.	-273.3707
26	0.49262	SLV_SX_U	Max	0.	0.	-293.5887
26	0.	SLV_SX_U	Min	0.	0.	-254.4296
26	0.24631	SLV_SX_U	Min	0.	0.	-273.3707
26	0.49262	SLV_SX_U	Min	0.	0.	-293.5887
27	0.	SLE	Max	0.	0.	24.1736
27	0.24626	SLE	Max	0.	0.	24.9549
27	0.49251	SLE	Max	0.	0.	24.3731
27	0.	SLE	Min	0.	0.	24.1736
27	0.24626	SLE	Min	0.	0.	24.9549
27	0.49251	SLE	Min	0.	0.	24.3731
27	0.	SLU	Max	0.	0.	31.4256
27	0.24626	SLU	Max	0.	0.	32.4414
27	0.49251	SLU	Max	0.	0.	31.685

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
27	0.	SLU	Min	0.	0.	31.4256
27	0.24626	SLU	Min	0.	0.	32.4414
27	0.49251	SLU	Min	0.	0.	31.685
27	0.	SLV_DX_D	Max	0.	0.	-235.6456
27	0.24626	SLV_DX_D	Max	0.	0.	-223.681
27	0.49251	SLV_DX_D	Max	0.	0.	-213.2296
27	0.	SLV_DX_D	Min	0.	0.	-235.6456
27	0.24626	SLV_DX_D	Min	0.	0.	-223.681
27	0.49251	SLV_DX_D	Min	0.	0.	-213.2296
27	0.	SLV_SX_D	Max	0.	0.	-184.316
27	0.24626	SLV_SX_D	Max	0.	0.	-198.002
27	0.49251	SLV_SX_D	Max	0.	0.	-213.2296
27	0.	SLV_SX_D	Min	0.	0.	-184.316
27	0.24626	SLV_SX_D	Min	0.	0.	-198.002
27	0.49251	SLV_SX_D	Min	0.	0.	-213.2296
27	0.	SLV_DX_U	Max	0.	0.	-345.7487
27	0.24626	SLV_DX_U	Max	0.	0.	-334.3896
27	0.49251	SLV_DX_U	Max	0.	0.	-324.2206
27	0.	SLV_DX_U	Min	0.	0.	-345.7487
27	0.24626	SLV_DX_U	Min	0.	0.	-334.3896
27	0.49251	SLV_DX_U	Min	0.	0.	-324.2206
27	0.	SLV_SX_U	Max	0.	0.	-293.5887
27	0.24626	SLV_SX_U	Max	0.	0.	-308.2955
27	0.49251	SLV_SX_U	Max	0.	0.	-324.2206
27	0.	SLV_SX_U	Min	0.	0.	-293.5887
27	0.24626	SLV_SX_U	Min	0.	0.	-308.2955
27	0.49251	SLV_SX_U	Min	0.	0.	-324.2206
28	0.	SLE	Max	0.	0.	24.3731
28	0.24626	SLE	Max	0.	0.	24.9549
28	0.49251	SLE	Max	0.	0.	24.1736
28	0.	SLE	Min	0.	0.	24.3731
28	0.24626	SLE	Min	0.	0.	24.9549
28	0.49251	SLE	Min	0.	0.	24.1736
28	0.	SLU	Max	0.	0.	31.685
28	0.24626	SLU	Max	0.	0.	32.4414
28	0.49251	SLU	Max	0.	0.	31.4256
28	0.	SLU	Min	0.	0.	31.685
28	0.24626	SLU	Min	0.	0.	32.4414
28	0.49251	SLU	Min	0.	0.	31.4256
28	0.	SLV_DX_D	Max	0.	0.	-213.2296
28	0.24626	SLV_DX_D	Max	0.	0.	-198.002
28	0.49251	SLV_DX_D	Max	0.	0.	-184.316
28	0.	SLV_DX_D	Min	0.	0.	-213.2296
28	0.24626	SLV_DX_D	Min	0.	0.	-198.002
28	0.49251	SLV_DX_D	Min	0.	0.	-184.316
28	0.	SLV_SX_D	Max	0.	0.	-213.2296
28	0.24626	SLV_SX_D	Max	0.	0.	-223.681
28	0.49251	SLV_SX_D	Max	0.	0.	-235.6456
28	0.	SLV_SX_D	Min	0.	0.	-213.2296
28	0.24626	SLV_SX_D	Min	0.	0.	-223.681
28	0.49251	SLV_SX_D	Min	0.	0.	-235.6456
28	0.	SLV_DX_U	Max	0.	0.	-324.2206
28	0.24626	SLV_DX_U	Max	0.	0.	-308.2955
28	0.49251	SLV_DX_U	Max	0.	0.	-293.5887

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
28	0.	SLV_DX_U	Min	0.	0.	-324.2206
28	0.24626	SLV_DX_U	Min	0.	0.	-308.2955
28	0.49251	SLV_DX_U	Min	0.	0.	-293.5887
28	0.	SLV_SX_U	Max	0.	0.	-324.2206
28	0.24626	SLV_SX_U	Max	0.	0.	-334.3896
28	0.49251	SLV_SX_U	Max	0.	0.	-345.7487
28	0.	SLV_SX_U	Min	0.	0.	-324.2206
28	0.24626	SLV_SX_U	Min	0.	0.	-334.3896
28	0.49251	SLV_SX_U	Min	0.	0.	-345.7487
29	0.	SLE	Max	0.	0.	24.1736
29	0.24631	SLE	Max	0.	0.	24.5117
29	0.49262	SLE	Max	0.	0.	23.493
29	0.	SLE	Min	0.	0.	24.1736
29	0.24631	SLE	Min	0.	0.	24.5117
29	0.49262	SLE	Min	0.	0.	23.493
29	0.	SLU	Max	0.	0.	31.4256
29	0.24631	SLU	Max	0.	0.	31.8652
29	0.49262	SLU	Max	0.	0.	30.5409
29	0.	SLU	Min	0.	0.	31.4256
29	0.24631	SLU	Min	0.	0.	31.8652
29	0.49262	SLU	Min	0.	0.	30.5409
29	0.	SLV_DX_D	Max	0.	0.	-184.316
29	0.24631	SLV_DX_D	Max	0.	0.	-166.0959
29	0.49262	SLV_DX_D	Max	0.	0.	-149.4743
29	0.	SLV_DX_D	Min	0.	0.	-184.316
29	0.24631	SLV_DX_D	Min	0.	0.	-166.0959
29	0.49262	SLV_DX_D	Min	0.	0.	-149.4743
29	0.	SLV_SX_D	Max	0.	0.	-235.6456
29	0.24631	SLV_SX_D	Max	0.	0.	-242.7665
29	0.49262	SLV_SX_D	Max	0.	0.	-251.3705
29	0.	SLV_SX_D	Min	0.	0.	-235.6456
29	0.24631	SLV_SX_D	Min	0.	0.	-242.7665
29	0.49262	SLV_SX_D	Min	0.	0.	-251.3705
29	0.	SLV_DX_U	Max	0.	0.	-293.5887
29	0.24631	SLV_DX_U	Max	0.	0.	-273.3707
29	0.49262	SLV_DX_U	Max	0.	0.	-254.4296
29	0.	SLV_DX_U	Min	0.	0.	-293.5887
29	0.24631	SLV_DX_U	Min	0.	0.	-273.3707
29	0.49262	SLV_DX_U	Min	0.	0.	-254.4296
29	0.	SLV_SX_U	Max	0.	0.	-345.7487
29	0.24631	SLV_SX_U	Max	0.	0.	-351.2849
29	0.49262	SLV_SX_U	Max	0.	0.	-357.9825
29	0.	SLV_SX_U	Min	0.	0.	-345.7487
29	0.24631	SLV_SX_U	Min	0.	0.	-351.2849
29	0.49262	SLV_SX_U	Min	0.	0.	-357.9825
30	0.	SLE	Max	0.	0.	23.493
30	0.24627	SLE	Max	0.	0.	23.619
30	0.49253	SLE	Max	0.	0.	22.4025
30	0.	SLE	Min	0.	0.	23.493
30	0.24627	SLE	Min	0.	0.	23.619
30	0.49253	SLE	Min	0.	0.	22.4025
30	0.	SLU	Max	0.	0.	30.5409
30	0.24627	SLU	Max	0.	0.	30.7047
30	0.49253	SLU	Max	0.	0.	29.1233

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
30	0.	SLU	Min	0.	0.	30.5409
30	0.24627	SLU	Min	0.	0.	30.7047
30	0.49253	SLU	Min	0.	0.	29.1233
30	0.	SLV_DX_D	Max	0.	0.	-149.4743
30	0.24627	SLV_DX_D	Max	0.	0.	-128.5549
30	0.49253	SLV_DX_D	Max	0.	0.	-109.3227
30	0.	SLV_DX_D	Min	0.	0.	-149.4743
30	0.24627	SLV_DX_D	Min	0.	0.	-128.5549
30	0.49253	SLV_DX_D	Min	0.	0.	-109.3227
30	0.	SLV_SX_D	Max	0.	0.	-251.3705
30	0.24627	SLV_SX_D	Max	0.	0.	-254.9658
30	0.49253	SLV_SX_D	Max	0.	0.	-260.0052
30	0.	SLV_SX_D	Min	0.	0.	-251.3705
30	0.24627	SLV_SX_D	Min	0.	0.	-254.9658
30	0.49253	SLV_SX_D	Min	0.	0.	-260.0052
30	0.	SLV_DX_U	Max	0.	0.	-254.4296
30	0.24627	SLV_DX_U	Max	0.	0.	-230.2392
30	0.49253	SLV_DX_U	Max	0.	0.	-207.4179
30	0.	SLV_DX_U	Min	0.	0.	-254.4296
30	0.24627	SLV_DX_U	Min	0.	0.	-230.2392
30	0.49253	SLV_DX_U	Min	0.	0.	-207.4179
30	0.	SLV_SX_U	Max	0.	0.	-357.9825
30	0.24627	SLV_SX_U	Max	0.	0.	-358.7158
30	0.49253	SLV_SX_U	Max	0.	0.	-360.5749
30	0.	SLV_SX_U	Min	0.	0.	-357.9825
30	0.24627	SLV_SX_U	Min	0.	0.	-358.7158
30	0.49253	SLV_SX_U	Min	0.	0.	-360.5749
31	0.	SLE	Max	0.	0.	22.4025
31	0.2463	SLE	Max	0.	0.	22.2636
31	0.4926	SLE	Max	0.	0.	20.8025
31	0.	SLE	Min	0.	0.	22.4025
31	0.2463	SLE	Min	0.	0.	22.2636
31	0.4926	SLE	Min	0.	0.	20.8025
31	0.	SLU	Max	0.	0.	29.1233
31	0.2463	SLU	Max	0.	0.	28.9426
31	0.4926	SLU	Max	0.	0.	27.0432
31	0.	SLU	Min	0.	0.	29.1233
31	0.2463	SLU	Min	0.	0.	28.9426
31	0.4926	SLU	Min	0.	0.	27.0432
31	0.	SLV_DX_D	Max	0.	0.	-109.3227
31	0.2463	SLV_DX_D	Max	0.	0.	-86.2406
31	0.4926	SLV_DX_D	Max	0.	0.	-64.9657
31	0.	SLV_DX_D	Min	0.	0.	-109.3227
31	0.2463	SLV_DX_D	Min	0.	0.	-86.2406
31	0.4926	SLV_DX_D	Min	0.	0.	-64.9657
31	0.	SLV_SX_D	Max	0.	0.	-260.0052
31	0.2463	SLV_SX_D	Max	0.	0.	-260.0312
31	0.4926	SLV_SX_D	Max	0.	0.	-261.4561
31	0.	SLV_SX_D	Min	0.	0.	-260.0052
31	0.2463	SLV_SX_D	Min	0.	0.	-260.0312
31	0.4926	SLV_SX_D	Min	0.	0.	-261.4561
31	0.	SLV_DX_U	Max	0.	0.	-207.4179
31	0.2463	SLV_DX_U	Max	0.	0.	-179.8276
31	0.4926	SLV_DX_U	Max	0.	0.	-153.7311

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
31	0.	SLV_DX_U	Min	0.	0.	-207.4179
31	0.2463	SLV_DX_U	Min	0.	0.	-179.8276
31	0.4926	SLV_DX_U	Min	0.	0.	-153.7311
31	0.	SLV_SX_U	Max	0.	0.	-360.5749
31	0.2463	SLV_SX_U	Max	0.	0.	-356.4954
31	0.4926	SLV_SX_U	Max	0.	0.	-353.5014
31	0.	SLV_SX_U	Min	0.	0.	-360.5749
31	0.2463	SLV_SX_U	Min	0.	0.	-356.4954
31	0.4926	SLV_SX_U	Min	0.	0.	-353.5014
32	0.	SLE	Max	0.	0.	20.8025
32	0.24625	SLE	Max	0.	0.	20.4059
32	0.49249	SLE	Max	0.	0.	18.7152
32	0.	SLE	Min	0.	0.	20.8025
32	0.24625	SLE	Min	0.	0.	20.4059
32	0.49249	SLE	Min	0.	0.	18.7152
32	0.	SLU	Max	0.	0.	27.0432
32	0.24625	SLU	Max	0.	0.	26.5277
32	0.49249	SLU	Max	0.	0.	24.3298
32	0.	SLU	Min	0.	0.	27.0432
32	0.24625	SLU	Min	0.	0.	26.5277
32	0.49249	SLU	Min	0.	0.	24.3298
32	0.	SLV_DX_D	Max	0.	0.	-64.9657
32	0.24625	SLV_DX_D	Max	0.	0.	-40.3004
32	0.49249	SLV_DX_D	Max	0.	0.	-17.5898
32	0.	SLV_DX_D	Min	0.	0.	-64.9657
32	0.24625	SLV_DX_D	Min	0.	0.	-40.3004
32	0.49249	SLV_DX_D	Min	0.	0.	-17.5898
32	0.	SLV_SX_D	Max	0.	0.	-261.4561
32	0.24625	SLV_SX_D	Max	0.	0.	-257.7904
32	0.49249	SLV_SX_D	Max	0.	0.	-255.4701
32	0.	SLV_SX_D	Min	0.	0.	-261.4561
32	0.24625	SLV_SX_D	Min	0.	0.	-257.7904
32	0.49249	SLV_SX_D	Min	0.	0.	-255.4701
32	0.	SLV_DX_U	Max	0.	0.	-153.7311
32	0.24625	SLV_DX_U	Max	0.	0.	-123.3825
32	0.49249	SLV_DX_U	Max	0.	0.	-94.6817
32	0.	SLV_DX_U	Min	0.	0.	-153.7311
32	0.24625	SLV_DX_U	Min	0.	0.	-123.3825
32	0.49249	SLV_DX_U	Min	0.	0.	-94.6817
32	0.	SLV_SX_U	Max	0.	0.	-353.5014
32	0.24625	SLV_SX_U	Max	0.	0.	-344.5464
32	0.49249	SLV_SX_U	Max	0.	0.	-336.6302
32	0.	SLV_SX_U	Min	0.	0.	-353.5014
32	0.24625	SLV_SX_U	Min	0.	0.	-344.5464
32	0.49249	SLV_SX_U	Min	0.	0.	-336.6302
33	0.	SLE	Max	0.	0.	18.7152
33	0.2463	SLE	Max	0.	0.	18.0723
33	0.49259	SLE	Max	0.	0.	16.1687
33	0.	SLE	Min	0.	0.	18.7152
33	0.2463	SLE	Min	0.	0.	18.0723
33	0.49259	SLE	Min	0.	0.	16.1687
33	0.	SLU	Max	0.	0.	24.3298
33	0.2463	SLU	Max	0.	0.	23.494
33	0.49259	SLU	Max	0.	0.	21.0193

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
33	0.	SLU	Min	0.	0.	24.3298
33	0.2463	SLU	Min	0.	0.	23.494
33	0.49259	SLU	Min	0.	0.	21.0193
33	0.	SLV_DX_D	Max	0.	0.	-17.5898
33	0.2463	SLV_DX_D	Max	0.	0.	7.9909
33	0.49259	SLV_DX_D	Max	0.	0.	31.4427
33	0.	SLV_DX_D	Min	0.	0.	-17.5898
33	0.2463	SLV_DX_D	Min	0.	0.	7.9909
33	0.49259	SLV_DX_D	Min	0.	0.	31.4427
33	0.	SLV_SX_D	Max	0.	0.	-255.4701
33	0.2463	SLV_SX_D	Max	0.	0.	-248.0028
33	0.49259	SLV_SX_D	Max	0.	0.	-241.8217
33	0.	SLV_SX_D	Min	0.	0.	-255.4701
33	0.2463	SLV_SX_D	Min	0.	0.	-248.0028
33	0.49259	SLV_SX_D	Min	0.	0.	-241.8217
33	0.	SLV_DX_U	Max	0.	0.	-94.6817
33	0.2463	SLV_DX_U	Max	0.	0.	-62.3217
33	0.49259	SLV_DX_U	Max	0.	0.	-31.7919
33	0.	SLV_DX_U	Min	0.	0.	-94.6817
33	0.2463	SLV_DX_U	Min	0.	0.	-62.3217
33	0.49259	SLV_DX_U	Min	0.	0.	-31.7919
33	0.	SLV_SX_U	Max	0.	0.	-336.6302
33	0.2463	SLV_SX_U	Max	0.	0.	-322.7675
33	0.49259	SLV_SX_U	Max	0.	0.	-309.8923
33	0.	SLV_SX_U	Min	0.	0.	-336.6302
33	0.2463	SLV_SX_U	Min	0.	0.	-322.7675
33	0.49259	SLV_SX_U	Min	0.	0.	-309.8923
34	0.	SLE	Max	0.	0.	16.1687
34	0.24626	SLE	Max	0.	0.	15.3097
34	0.49252	SLE	Max	0.	0.	13.2309
34	0.	SLE	Min	0.	0.	16.1687
34	0.24626	SLE	Min	0.	0.	15.3097
34	0.49252	SLE	Min	0.	0.	13.2309
34	0.	SLU	Max	0.	0.	21.0193
34	0.24626	SLU	Max	0.	0.	19.9026
34	0.49252	SLU	Max	0.	0.	17.2002
34	0.	SLU	Min	0.	0.	21.0193
34	0.24626	SLU	Min	0.	0.	19.9026
34	0.49252	SLU	Min	0.	0.	17.2002
34	0.	SLV_DX_D	Max	0.	0.	31.4427
34	0.24626	SLV_DX_D	Max	0.	0.	57.1806
34	0.49252	SLV_DX_D	Max	0.	0.	80.5952
34	0.	SLV_DX_D	Min	0.	0.	31.4427
34	0.24626	SLV_DX_D	Min	0.	0.	57.1806
34	0.49252	SLV_DX_D	Min	0.	0.	80.5952
34	0.	SLV_SX_D	Max	0.	0.	-241.8217
34	0.24626	SLV_SX_D	Max	0.	0.	-230.4414
34	0.49252	SLV_SX_D	Max	0.	0.	-220.2806
34	0.	SLV_SX_D	Min	0.	0.	-241.8217
34	0.24626	SLV_SX_D	Min	0.	0.	-230.4414
34	0.49252	SLV_SX_D	Min	0.	0.	-220.2806
34	0.	SLV_DX_U	Max	0.	0.	-31.7919
34	0.24626	SLV_DX_U	Max	0.	0.	1.7121
34	0.49252	SLV_DX_U	Max	0.	0.	33.1818

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
34	0.	SLV_DX_U	Min	0.	0.	-31.7919
34	0.24626	SLV_DX_U	Min	0.	0.	1.7121
34	0.49252	SLV_DX_U	Min	0.	0.	33.1818
34	0.	SLV_SX_U	Max	0.	0.	-309.8923
34	0.24626	SLV_SX_U	Max	0.	0.	-291.1174
34	0.49252	SLV_SX_U	Max	0.	0.	-273.273
34	0.	SLV_SX_U	Min	0.	0.	-309.8923
34	0.24626	SLV_SX_U	Min	0.	0.	-291.1174
34	0.49252	SLV_SX_U	Min	0.	0.	-273.273
35	0.	SLE	Max	0.	0.	13.2309
35	0.24629	SLE	Max	0.	0.	12.1954
35	0.49258	SLE	Max	0.	0.	9.9865
35	0.	SLE	Min	0.	0.	13.2309
35	0.24629	SLE	Min	0.	0.	12.1954
35	0.49258	SLE	Min	0.	0.	9.9865
35	0.	SLU	Max	0.	0.	17.2002
35	0.24629	SLU	Max	0.	0.	15.854
35	0.49258	SLU	Max	0.	0.	12.9825
35	0.	SLU	Min	0.	0.	17.2002
35	0.24629	SLU	Min	0.	0.	15.854
35	0.49258	SLU	Min	0.	0.	12.9825
35	0.	SLV_DX_D	Max	0.	0.	80.5952
35	0.24629	SLV_DX_D	Max	0.	0.	105.6817
35	0.49258	SLV_DX_D	Max	0.	0.	128.2323
35	0.	SLV_DX_D	Min	0.	0.	80.5952
35	0.24629	SLV_DX_D	Min	0.	0.	105.6817
35	0.49258	SLV_DX_D	Min	0.	0.	128.2323
35	0.	SLV_SX_D	Max	0.	0.	-220.2806
35	0.24629	SLV_SX_D	Max	0.	0.	-204.8829
35	0.49258	SLV_SX_D	Max	0.	0.	-190.6326
35	0.	SLV_SX_D	Min	0.	0.	-220.2806
35	0.24629	SLV_SX_D	Min	0.	0.	-204.8829
35	0.49258	SLV_SX_D	Min	0.	0.	-190.6326
35	0.	SLV_DX_U	Max	0.	0.	33.1818
35	0.24629	SLV_DX_U	Max	0.	0.	66.891
35	0.49258	SLV_DX_U	Max	0.	0.	98.3421
35	0.	SLV_DX_U	Min	0.	0.	33.1818
35	0.24629	SLV_DX_U	Min	0.	0.	66.891
35	0.49258	SLV_DX_U	Min	0.	0.	98.3421
35	0.	SLV_SX_U	Max	0.	0.	-273.273
35	0.24629	SLV_SX_U	Max	0.	0.	-249.6101
35	0.49258	SLV_SX_U	Max	0.	0.	-226.8165
35	0.	SLV_SX_U	Min	0.	0.	-273.273
35	0.24629	SLV_SX_U	Min	0.	0.	-249.6101
35	0.49258	SLV_SX_U	Min	0.	0.	-226.8165
36	0.	SLE	Max	0.	0.	9.9865
36	0.24628	SLE	Max	0.	0.	8.8369
36	0.49255	SLE	Max	0.	0.	6.5667
36	0.	SLE	Min	0.	0.	9.9865
36	0.24628	SLE	Min	0.	0.	8.8369
36	0.49255	SLE	Min	0.	0.	6.5667
36	0.	SLU	Max	0.	0.	12.9825
36	0.24628	SLU	Max	0.	0.	11.488
36	0.49255	SLU	Max	0.	0.	8.5367

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
36	0.	SLU	Min	0.	0.	12.9825
36	0.24628	SLU	Min	0.	0.	11.488
36	0.49255	SLU	Min	0.	0.	8.5367
36	0.	SLV_DX_D	Max	0.	0.	128.2323
36	0.24628	SLV_DX_D	Max	0.	0.	151.8173
36	0.49255	SLV_DX_D	Max	0.	0.	172.6429
36	0.	SLV_DX_D	Min	0.	0.	128.2323
36	0.24628	SLV_DX_D	Min	0.	0.	151.8173
36	0.49255	SLV_DX_D	Min	0.	0.	172.6429
36	0.	SLV_SX_D	Max	0.	0.	-190.6326
36	0.24628	SLV_SX_D	Max	0.	0.	-171.1141
36	0.49255	SLV_SX_D	Max	0.	0.	-152.6647
36	0.	SLV_SX_D	Min	0.	0.	-190.6326
36	0.24628	SLV_SX_D	Min	0.	0.	-171.1141
36	0.49255	SLV_SX_D	Min	0.	0.	-152.6647
36	0.	SLV_DX_U	Max	0.	0.	98.3421
36	0.24628	SLV_DX_U	Max	0.	0.	131.2435
36	0.49255	SLV_DX_U	Max	0.	0.	161.651
36	0.	SLV_DX_U	Min	0.	0.	98.3421
36	0.24628	SLV_DX_U	Min	0.	0.	131.2435
36	0.49255	SLV_DX_U	Min	0.	0.	161.651
36	0.	SLV_SX_U	Max	0.	0.	-226.8165
36	0.24628	SLV_SX_U	Max	0.	0.	-198.323
36	0.49255	SLV_SX_U	Max	0.	0.	-170.6329
36	0.	SLV_SX_U	Min	0.	0.	-226.8165
36	0.24628	SLV_SX_U	Min	0.	0.	-198.323
36	0.49255	SLV_SX_U	Min	0.	0.	-170.6329
37	0.	SLE	Max	0.	0.	6.5667
37	0.24625	SLE	Max	0.	0.	5.4417
37	0.4925	SLE	Max	0.	0.	3.2546
37	0.	SLE	Min	0.	0.	6.5667
37	0.24625	SLE	Min	0.	0.	5.4417
37	0.4925	SLE	Min	0.	0.	3.2546
37	0.	SLU	Max	0.	0.	8.5367
37	0.24625	SLU	Max	0.	0.	7.0742
37	0.4925	SLU	Max	0.	0.	4.231
37	0.	SLU	Min	0.	0.	8.5367
37	0.24625	SLU	Min	0.	0.	7.0742
37	0.4925	SLU	Min	0.	0.	4.231
37	0.	SLV_DX_D	Max	0.	0.	172.6429
37	0.24625	SLV_DX_D	Max	0.	0.	193.939
37	0.4925	SLV_DX_D	Max	0.	0.	212.245
37	0.	SLV_DX_D	Min	0.	0.	172.6429
37	0.24625	SLV_DX_D	Min	0.	0.	193.939
37	0.4925	SLV_DX_D	Min	0.	0.	212.245
37	0.	SLV_SX_D	Max	0.	0.	-152.6647
37	0.24625	SLV_SX_D	Max	0.	0.	-128.8359
37	0.4925	SLV_SX_D	Max	0.	0.	-105.9923
37	0.	SLV_SX_D	Min	0.	0.	-152.6647
37	0.24625	SLV_SX_D	Min	0.	0.	-128.8359
37	0.4925	SLV_SX_D	Min	0.	0.	-105.9923
37	0.	SLV_DX_U	Max	0.	0.	161.651
37	0.24625	SLV_DX_U	Max	0.	0.	192.7589
37	0.4925	SLV_DX_U	Max	0.	0.	221.1284

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
37	0.	SLV_DX_U	Min	0.	0.	161.651
37	0.24625	SLV_DX_U	Min	0.	0.	192.7589
37	0.4925	SLV_DX_U	Min	0.	0.	221.1284
37	0.	SLV_SX_U	Max	0.	0.	-170.6329
37	0.24625	SLV_SX_U	Max	0.	0.	-137.3159
37	0.4925	SLV_SX_U	Max	0.	0.	-104.7323
37	0.	SLV_SX_U	Min	0.	0.	-170.6329
37	0.24625	SLV_SX_U	Min	0.	0.	-137.3159
37	0.4925	SLV_SX_U	Min	0.	0.	-104.7323
38	0.	SLE	Max	0.	0.	3.2546
38	0.2463	SLE	Max	0.	0.	2.3502
38	0.4926	SLE	Max	0.	0.	0.4471
38	0.	SLE	Min	0.	0.	3.2546
38	0.2463	SLE	Min	0.	0.	2.3502
38	0.4926	SLE	Min	0.	0.	0.4471
38	0.	SLU	Max	0.	0.	4.231
38	0.2463	SLU	Max	0.	0.	3.0552
38	0.4926	SLU	Max	0.	0.	0.5812
38	0.	SLU	Min	0.	0.	4.231
38	0.2463	SLU	Min	0.	0.	3.0552
38	0.4926	SLU	Min	0.	0.	0.5812
38	0.	SLV_DX_D	Max	0.	0.	212.245
38	0.2463	SLV_DX_D	Max	0.	0.	230.5225
38	0.4926	SLV_DX_D	Max	0.	0.	245.5751
38	0.	SLV_DX_D	Min	0.	0.	212.245
38	0.2463	SLV_DX_D	Min	0.	0.	230.5225
38	0.4926	SLV_DX_D	Min	0.	0.	245.5751
38	0.	SLV_SX_D	Max	0.	0.	-105.9923
38	0.2463	SLV_SX_D	Max	0.	0.	-77.6015
38	0.4926	SLV_SX_D	Max	0.	0.	-50.1072
38	0.	SLV_SX_D	Min	0.	0.	-105.9923
38	0.2463	SLV_SX_D	Min	0.	0.	-77.6015
38	0.4926	SLV_SX_D	Min	0.	0.	-50.1072
38	0.	SLV_DX_U	Max	0.	0.	221.1284
38	0.2463	SLV_DX_U	Max	0.	0.	249.4827
38	0.4926	SLV_DX_U	Max	0.	0.	274.8488
38	0.	SLV_DX_U	Min	0.	0.	221.1284
38	0.2463	SLV_DX_U	Min	0.	0.	249.4827
38	0.4926	SLV_DX_U	Min	0.	0.	274.8488
38	0.	SLV_SX_U	Max	0.	0.	-104.7323
38	0.2463	SLV_SX_U	Max	0.	0.	-66.5687
38	0.4926	SLV_SX_U	Max	0.	0.	-29.0651
38	0.	SLV_SX_U	Min	0.	0.	-104.7323
38	0.2463	SLV_SX_U	Min	0.	0.	-66.5687
38	0.4926	SLV_SX_U	Min	0.	0.	-29.0651
39	0.	SLE	Max	0.	0.	0.4471
39	0.2463	SLE	Max	0.	0.	-0.0689
39	0.4926	SLE	Max	0.	0.	-1.5148
39	0.	SLE	Min	0.	0.	0.4471
39	0.2463	SLE	Min	0.	0.	-0.0689
39	0.4926	SLE	Min	0.	0.	-1.5148
39	0.	SLU	Max	0.	0.	0.5812
39	0.2463	SLU	Max	0.	0.	-0.0896
39	0.4926	SLU	Max	0.	0.	-1.9693

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
39	0.	SLU	Min	0.	0.	0.5812
39	0.2463	SLU	Min	0.	0.	-0.0896
39	0.4926	SLU	Min	0.	0.	-1.9693
39	0.	SLV_DX_D	Max	0.	0.	245.5751
39	0.2463	SLV_DX_D	Max	0.	0.	260.0703
39	0.4926	SLV_DX_D	Max	0.	0.	271.1119
39	0.	SLV_DX_D	Min	0.	0.	245.5751
39	0.2463	SLV_DX_D	Min	0.	0.	260.0703
39	0.4926	SLV_DX_D	Min	0.	0.	271.1119
39	0.	SLV_SX_D	Max	0.	0.	-50.1072
39	0.2463	SLV_SX_D	Max	0.	0.	-16.991
39	0.4926	SLV_SX_D	Max	0.	0.	15.3218
39	0.	SLV_SX_D	Min	0.	0.	-50.1072
39	0.2463	SLV_SX_D	Min	0.	0.	-16.991
39	0.4926	SLV_SX_D	Min	0.	0.	15.3218
39	0.	SLV_DX_U	Max	0.	0.	274.8488
39	0.2463	SLV_DX_U	Max	0.	0.	299.4297
39	0.4926	SLV_DX_U	Max	0.	0.	320.7775
39	0.	SLV_DX_U	Min	0.	0.	274.8488
39	0.2463	SLV_DX_U	Min	0.	0.	299.4297
39	0.4926	SLV_DX_U	Min	0.	0.	320.7775
39	0.	SLV_SX_U	Max	0.	0.	-29.0651
39	0.2463	SLV_SX_U	Max	0.	0.	13.8537
39	0.4926	SLV_SX_U	Max	0.	0.	56.1894
39	0.	SLV_SX_U	Min	0.	0.	-29.0651
39	0.2463	SLV_SX_U	Min	0.	0.	13.8537
39	0.4926	SLV_SX_U	Min	0.	0.	56.1894
40	0.	SLE	Max	0.	0.	-1.5148
40	0.24625	SLE	Max	0.	0.	-1.333
40	0.4925	SLE	Max	0.	0.	-2.007
40	0.	SLE	Min	0.	0.	-1.5148
40	0.24625	SLE	Min	0.	0.	-1.333
40	0.4925	SLE	Min	0.	0.	-2.007
40	0.	SLU	Max	0.	0.	-1.9693
40	0.24625	SLU	Max	0.	0.	-1.7329
40	0.4925	SLU	Max	0.	0.	-2.609
40	0.	SLU	Min	0.	0.	-1.9693
40	0.24625	SLU	Min	0.	0.	-1.7329
40	0.4925	SLU	Min	0.	0.	-2.609
40	0.	SLV_DX_D	Max	0.	0.	271.1119
40	0.24625	SLV_DX_D	Max	0.	0.	281.2563
40	0.4925	SLV_DX_D	Max	0.	0.	287.7284
40	0.	SLV_DX_D	Min	0.	0.	271.1119
40	0.24625	SLV_DX_D	Min	0.	0.	281.2563
40	0.4925	SLV_DX_D	Min	0.	0.	287.7284
40	0.	SLV_SX_D	Max	0.	0.	15.3218
40	0.24625	SLV_SX_D	Max	0.	0.	53.4993
40	0.4925	SLV_SX_D	Max	0.	0.	90.9714
40	0.	SLV_SX_D	Min	0.	0.	15.3218
40	0.24625	SLV_SX_D	Min	0.	0.	53.4993
40	0.4925	SLV_SX_D	Min	0.	0.	90.9714
40	0.	SLV_DX_U	Max	0.	0.	320.7775
40	0.24625	SLV_DX_U	Max	0.	0.	340.7141
40	0.4925	SLV_DX_U	Max	0.	0.	357.1811

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
40	0.	SLV_DX_U	Min	0.	0.	320.7775
40	0.24625	SLV_DX_U	Min	0.	0.	340.7141
40	0.4925	SLV_DX_U	Min	0.	0.	357.1811
40	0.	SLV_SX_U	Max	0.	0.	56.1894
40	0.24625	SLV_SX_U	Max	0.	0.	103.8984
40	0.4925	SLV_SX_U	Max	0.	0.	151.1048
40	0.	SLV_SX_U	Min	0.	0.	56.1894
40	0.24625	SLV_SX_U	Min	0.	0.	103.8984
40	0.4925	SLV_SX_U	Min	0.	0.	151.1048
41	0.	SLE	Max	0.	0.	-2.007
41	0.24628	SLE	Max	0.	0.	-0.856
41	0.49255	SLE	Max	0.	0.	-0.483
41	0.	SLE	Min	0.	0.	-2.007
41	0.24628	SLE	Min	0.	0.	-0.856
41	0.49255	SLE	Min	0.	0.	-0.483
41	0.	SLU	Max	0.	0.	-2.609
41	0.24628	SLU	Max	0.	0.	-1.1128
41	0.49255	SLU	Max	0.	0.	-0.628
41	0.	SLU	Min	0.	0.	-2.609
41	0.24628	SLU	Min	0.	0.	-1.1128
41	0.49255	SLU	Min	0.	0.	-0.628
41	0.	SLV_DX_D	Max	0.	0.	287.7284
41	0.24628	SLV_DX_D	Max	0.	0.	292.9741
41	0.49255	SLV_DX_D	Max	0.	0.	294.3419
41	0.	SLV_DX_D	Min	0.	0.	287.7284
41	0.24628	SLV_DX_D	Min	0.	0.	292.9741
41	0.49255	SLV_DX_D	Min	0.	0.	294.3419
41	0.	SLV_SX_D	Max	0.	0.	90.9714
41	0.24628	SLV_SX_D	Max	0.	0.	134.4786
41	0.49255	SLV_SX_D	Max	0.	0.	177.3811
41	0.	SLV_SX_D	Min	0.	0.	90.9714
41	0.24628	SLV_SX_D	Min	0.	0.	134.4786
41	0.49255	SLV_SX_D	Min	0.	0.	177.3811
41	0.	SLV_DX_U	Max	0.	0.	357.1811
41	0.24628	SLV_DX_U	Max	0.	0.	371.6152
41	0.49255	SLV_DX_U	Max	0.	0.	382.3559
41	0.	SLV_DX_U	Min	0.	0.	357.1811
41	0.24628	SLV_DX_U	Min	0.	0.	371.6152
41	0.49255	SLV_DX_U	Min	0.	0.	382.3559
41	0.	SLV_SX_U	Max	0.	0.	151.1048
41	0.24628	SLV_SX_U	Max	0.	0.	203.5635
41	0.49255	SLV_SX_U	Max	0.	0.	255.602
41	0.	SLV_SX_U	Min	0.	0.	151.1048
41	0.24628	SLV_SX_U	Min	0.	0.	203.5635
41	0.49255	SLV_SX_U	Min	0.	0.	255.602
42	0.	SLE	Max	0.	0.	-0.483
42	0.24629	SLE	Max	0.	0.	1.4679
42	0.49258	SLE	Max	0.	0.	2.7225
42	0.	SLE	Min	0.	0.	-0.483
42	0.24629	SLE	Min	0.	0.	1.4679
42	0.49258	SLE	Min	0.	0.	2.7225
42	0.	SLU	Max	0.	0.	-0.628
42	0.24629	SLU	Max	0.	0.	1.9083
42	0.49258	SLU	Max	0.	0.	3.5392

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
42	0.	SLU	Min	0.	0.	-0.628
42	0.24629	SLU	Min	0.	0.	1.9083
42	0.49258	SLU	Min	0.	0.	3.5392
42	0.	SLV_DX_D	Max	0.	0.	294.3419
42	0.24629	SLV_DX_D	Max	0.	0.	294.255
42	0.49258	SLV_DX_D	Max	0.	0.	290.1056
42	0.	SLV_DX_D	Min	0.	0.	294.3419
42	0.24629	SLV_DX_D	Min	0.	0.	294.255
42	0.49258	SLV_DX_D	Min	0.	0.	290.1056
42	0.	SLV_SX_D	Max	0.	0.	177.3811
42	0.24629	SLV_SX_D	Max	0.	0.	211.3663
42	0.49258	SLV_SX_D	Max	0.	0.	244.8506
42	0.	SLV_SX_D	Min	0.	0.	177.3811
42	0.24629	SLV_SX_D	Min	0.	0.	211.3663
42	0.49258	SLV_SX_D	Min	0.	0.	244.8506
42	0.	SLV_DX_U	Max	0.	0.	382.3559
42	0.24629	SLV_DX_U	Max	0.	0.	390.5192
42	0.49258	SLV_DX_U	Max	0.	0.	394.785
42	0.	SLV_DX_U	Min	0.	0.	382.3559
42	0.24629	SLV_DX_U	Min	0.	0.	390.5192
42	0.49258	SLV_DX_U	Min	0.	0.	394.785
42	0.	SLV_SX_U	Max	0.	0.	255.602
42	0.24629	SLV_SX_U	Max	0.	0.	295.1334
42	0.49258	SLV_SX_U	Max	0.	0.	334.3291
42	0.	SLV_SX_U	Min	0.	0.	255.602
42	0.24629	SLV_SX_U	Min	0.	0.	295.1334
42	0.49258	SLV_SX_U	Min	0.	0.	334.3291
43	0.	SLE	Max	0.	0.	2.7225
43	0.24626	SLE	Max	0.	0.	4.7519
43	0.49252	SLE	Max	0.	0.	6.1706
43	0.	SLE	Min	0.	0.	2.7225
43	0.24626	SLE	Min	0.	0.	4.7519
43	0.49252	SLE	Min	0.	0.	6.1706
43	0.	SLU	Max	0.	0.	3.5392
43	0.24626	SLU	Max	0.	0.	6.1775
43	0.49252	SLU	Max	0.	0.	8.0218
43	0.	SLU	Min	0.	0.	3.5392
43	0.24626	SLU	Min	0.	0.	6.1775
43	0.49252	SLU	Min	0.	0.	8.0218
43	0.	SLV_DX_D	Max	0.	0.	290.1056
43	0.24626	SLV_DX_D	Max	0.	0.	284.4113
43	0.49252	SLV_DX_D	Max	0.	0.	274.4961
43	0.	SLV_DX_D	Min	0.	0.	290.1056
43	0.24626	SLV_DX_D	Min	0.	0.	284.4113
43	0.49252	SLV_DX_D	Min	0.	0.	274.4961
43	0.	SLV_SX_D	Max	0.	0.	244.8506
43	0.24626	SLV_SX_D	Max	0.	0.	259.7319
43	0.49252	SLV_SX_D	Max	0.	0.	274.2193
43	0.	SLV_SX_D	Min	0.	0.	244.8506
43	0.24626	SLV_SX_D	Min	0.	0.	259.7319
43	0.49252	SLV_SX_D	Min	0.	0.	274.2193
43	0.	SLV_DX_U	Max	0.	0.	394.785
43	0.24626	SLV_DX_U	Max	0.	0.	396.0462
43	0.49252	SLV_DX_U	Max	0.	0.	393.2314

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
43	0.	SLV_DX_U	Min	0.	0.	394.785
43	0.24626	SLV_DX_U	Min	0.	0.	396.0462
43	0.49252	SLV_DX_U	Min	0.	0.	393.2314
43	0.	SLV_SX_U	Max	0.	0.	334.3291
43	0.24626	SLV_SX_U	Max	0.	0.	350.5834
43	0.49252	SLV_SX_U	Max	0.	0.	366.5884
43	0.	SLV_SX_U	Min	0.	0.	334.3291
43	0.24626	SLV_SX_U	Min	0.	0.	350.5834
43	0.49252	SLV_SX_U	Min	0.	0.	366.5884
44	0.	SLE	Max	0.	0.	6.1706
44	0.2463	SLE	Max	0.	0.	7.8918
44	0.49259	SLE	Max	0.	0.	9.0909
44	0.	SLE	Min	0.	0.	6.1706
44	0.2463	SLE	Min	0.	0.	7.8918
44	0.49259	SLE	Min	0.	0.	9.0909
44	0.	SLU	Max	0.	0.	8.0218
44	0.2463	SLU	Max	0.	0.	10.2594
44	0.49259	SLU	Max	0.	0.	11.8182
44	0.	SLU	Min	0.	0.	8.0218
44	0.2463	SLU	Min	0.	0.	10.2594
44	0.49259	SLU	Min	0.	0.	11.8182
44	0.	SLV_DX_D	Max	0.	0.	274.4961
44	0.2463	SLV_DX_D	Max	0.	0.	263.0154
44	0.49259	SLV_DX_D	Max	0.	0.	247.1826
44	0.	SLV_DX_D	Min	0.	0.	274.4961
44	0.2463	SLV_DX_D	Min	0.	0.	263.0154
44	0.49259	SLV_DX_D	Min	0.	0.	247.1826
44	0.	SLV_SX_D	Max	0.	0.	274.2193
44	0.2463	SLV_SX_D	Max	0.	0.	274.9011
44	0.49259	SLV_SX_D	Max	0.	0.	275.2977
44	0.	SLV_SX_D	Min	0.	0.	274.2193
44	0.2463	SLV_SX_D	Min	0.	0.	274.9011
44	0.49259	SLV_SX_D	Min	0.	0.	275.2977
44	0.	SLV_DX_U	Max	0.	0.	393.2314
44	0.2463	SLV_DX_U	Max	0.	0.	387.0585
44	0.49259	SLV_DX_U	Max	0.	0.	376.6574
44	0.	SLV_DX_U	Min	0.	0.	393.2314
44	0.2463	SLV_DX_U	Min	0.	0.	387.0585
44	0.49259	SLV_DX_U	Min	0.	0.	376.6574
44	0.	SLV_SX_U	Max	0.	0.	366.5884
44	0.2463	SLV_SX_U	Max	0.	0.	366.0282
44	0.49259	SLV_SX_U	Max	0.	0.	365.3065
44	0.	SLV_SX_U	Min	0.	0.	366.5884
44	0.2463	SLV_SX_U	Min	0.	0.	366.0282
44	0.49259	SLV_SX_U	Min	0.	0.	365.3065
45	0.	SLE	Max	0.	0.	9.0909
45	0.24625	SLE	Max	0.	0.	9.9494
45	0.49249	SLE	Max	0.	0.	10.3773
45	0.	SLE	Min	0.	0.	9.0909
45	0.24625	SLE	Min	0.	0.	9.9494
45	0.49249	SLE	Min	0.	0.	10.3773
45	0.	SLU	Max	0.	0.	11.8182
45	0.24625	SLU	Max	0.	0.	12.9343
45	0.49249	SLU	Max	0.	0.	13.4905

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
45	0.	SLU	Min	0.	0.	11.8182
45	0.24625	SLU	Min	0.	0.	12.9343
45	0.49249	SLU	Min	0.	0.	13.4905
45	0.	SLV_DX_D	Max	0.	0.	247.1826
45	0.24625	SLV_DX_D	Max	0.	0.	229.8191
45	0.49249	SLV_DX_D	Max	0.	0.	208.0096
45	0.	SLV_DX_D	Min	0.	0.	247.1826
45	0.24625	SLV_DX_D	Min	0.	0.	229.8191
45	0.49249	SLV_DX_D	Min	0.	0.	208.0096
45	0.	SLV_SX_D	Max	0.	0.	275.2977
45	0.24625	SLV_SX_D	Max	0.	0.	266.1076
45	0.49249	SLV_SX_D	Max	0.	0.	256.7425
45	0.	SLV_SX_D	Min	0.	0.	275.2977
45	0.24625	SLV_SX_D	Min	0.	0.	266.1076
45	0.49249	SLV_SX_D	Min	0.	0.	256.7425
45	0.	SLV_DX_U	Max	0.	0.	376.6574
45	0.24625	SLV_DX_U	Max	0.	0.	362.6125
45	0.49249	SLV_DX_U	Max	0.	0.	344.2235
45	0.	SLV_DX_U	Min	0.	0.	376.6574
45	0.24625	SLV_DX_U	Min	0.	0.	362.6125
45	0.49249	SLV_DX_U	Min	0.	0.	344.2235
45	0.	SLV_SX_U	Max	0.	0.	365.3065
45	0.24625	SLV_SX_U	Max	0.	0.	353.6217
45	0.49249	SLV_SX_U	Max	0.	0.	341.8639
45	0.	SLV_SX_U	Min	0.	0.	365.3065
45	0.24625	SLV_SX_U	Min	0.	0.	353.6217
45	0.49249	SLV_SX_U	Min	0.	0.	341.8639
46	0.	SLE	Max	0.	0.	10.3773
46	0.2463	SLE	Max	0.	0.	9.6459
46	0.4926	SLE	Max	0.	0.	8.5771
46	0.	SLE	Min	0.	0.	10.3773
46	0.2463	SLE	Min	0.	0.	9.6459
46	0.4926	SLE	Min	0.	0.	8.5771
46	0.	SLU	Max	0.	0.	13.4905
46	0.2463	SLU	Max	0.	0.	12.5397
46	0.4926	SLU	Max	0.	0.	11.1503
46	0.	SLU	Min	0.	0.	13.4905
46	0.2463	SLU	Min	0.	0.	12.5397
46	0.4926	SLU	Min	0.	0.	11.1503
46	0.	SLV_DX_D	Max	0.	0.	208.0096
46	0.2463	SLV_DX_D	Max	0.	0.	184.7436
46	0.4926	SLV_DX_D	Max	0.	0.	156.971
46	0.	SLV_DX_D	Min	0.	0.	208.0096
46	0.2463	SLV_DX_D	Min	0.	0.	184.7436
46	0.4926	SLV_DX_D	Min	0.	0.	156.971
46	0.	SLV_SX_D	Max	0.	0.	256.7425
46	0.2463	SLV_SX_D	Max	0.	0.	241.0439
46	0.4926	SLV_SX_D	Max	0.	0.	225.2813
46	0.	SLV_SX_D	Min	0.	0.	256.7425
46	0.2463	SLV_SX_D	Min	0.	0.	241.0439
46	0.4926	SLV_SX_D	Min	0.	0.	225.2813
46	0.	SLV_DX_U	Max	0.	0.	344.2235
46	0.2463	SLV_DX_U	Max	0.	0.	321.9709
46	0.4926	SLV_DX_U	Max	0.	0.	295.2916

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
46	0.	SLV_DX_U	Min	0.	0.	344.2235
46	0.2463	SLV_DX_U	Min	0.	0.	321.9709
46	0.4926	SLV_DX_U	Min	0.	0.	295.2916
46	0.	SLV_SX_U	Max	0.	0.	341.8639
46	0.2463	SLV_SX_U	Max	0.	0.	323.4749
46	0.4926	SLV_SX_U	Max	0.	0.	305.1017
46	0.	SLV_SX_U	Min	0.	0.	341.8639
46	0.2463	SLV_SX_U	Min	0.	0.	323.4749
46	0.4926	SLV_SX_U	Min	0.	0.	305.1017
47	0.	SLE	Max	0.	0.	8.5771
47	0.24627	SLE	Max	0.	0.	5.3212
47	0.49253	SLE	Max	0.	0.	1.823
47	0.	SLE	Min	0.	0.	8.5771
47	0.24627	SLE	Min	0.	0.	5.3212
47	0.49253	SLE	Min	0.	0.	1.823
47	0.	SLU	Max	0.	0.	11.1503
47	0.24627	SLU	Max	0.	0.	6.9176
47	0.49253	SLU	Max	0.	0.	2.3699
47	0.	SLU	Min	0.	0.	11.1503
47	0.24627	SLU	Min	0.	0.	6.9176
47	0.49253	SLU	Min	0.	0.	2.3699
47	0.	SLV_DX_D	Max	0.	0.	156.971
47	0.24627	SLV_DX_D	Max	0.	0.	127.8498
47	0.49253	SLV_DX_D	Max	0.	0.	94.2043
47	0.	SLV_DX_D	Min	0.	0.	156.971
47	0.24627	SLV_DX_D	Min	0.	0.	127.8498
47	0.49253	SLV_DX_D	Min	0.	0.	94.2043
47	0.	SLV_SX_D	Max	0.	0.	225.2813
47	0.24627	SLV_SX_D	Max	0.	0.	205.2372
47	0.49253	SLV_SX_D	Max	0.	0.	185.2402
47	0.	SLV_SX_D	Min	0.	0.	225.2813
47	0.24627	SLV_SX_D	Min	0.	0.	205.2372
47	0.49253	SLV_SX_D	Min	0.	0.	185.2402
47	0.	SLV_DX_U	Max	0.	0.	295.2916
47	0.24627	SLV_DX_U	Max	0.	0.	264.601
47	0.49253	SLV_DX_U	Max	0.	0.	229.4434
47	0.	SLV_DX_U	Min	0.	0.	295.2916
47	0.24627	SLV_DX_U	Min	0.	0.	264.601
47	0.49253	SLV_DX_U	Min	0.	0.	229.4434
47	0.	SLV_SX_U	Max	0.	0.	305.1017
47	0.24627	SLV_SX_U	Max	0.	0.	282.8671
47	0.49253	SLV_SX_U	Max	0.	0.	260.737
47	0.	SLV_SX_U	Min	0.	0.	305.1017
47	0.24627	SLV_SX_U	Min	0.	0.	282.8671
47	0.49253	SLV_SX_U	Min	0.	0.	260.737
48	0.	SLE	Max	0.	0.	1.823
48	0.24631	SLE	Max	0.	0.	-4.9983
48	0.49262	SLE	Max	0.	0.	-11.9652
48	0.	SLE	Min	0.	0.	1.823
48	0.24631	SLE	Min	0.	0.	-4.9983
48	0.49262	SLE	Min	0.	0.	-11.9652
48	0.	SLU	Max	0.	0.	2.3699
48	0.24631	SLU	Max	0.	0.	-6.4977
48	0.49262	SLU	Max	0.	0.	-15.5547

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
48	0.	SLU	Min	0.	0.	2.3699
48	0.24631	SLU	Min	0.	0.	-6.4977
48	0.49262	SLU	Min	0.	0.	-15.5547
48	0.	SLV_DX_D	Max	0.	0.	94.2043
48	0.24631	SLV_DX_D	Max	0.	0.	59.3944
48	0.49262	SLV_DX_D	Max	0.	0.	20.0816
48	0.	SLV_DX_D	Min	0.	0.	94.2043
48	0.24631	SLV_DX_D	Min	0.	0.	59.3944
48	0.49262	SLV_DX_D	Min	0.	0.	20.0816
48	0.	SLV_SX_D	Max	0.	0.	185.2402
48	0.24631	SLV_SX_D	Max	0.	0.	161.8453
48	0.49262	SLV_SX_D	Max	0.	0.	138.6089
48	0.	SLV_SX_D	Min	0.	0.	185.2402
48	0.24631	SLV_SX_D	Min	0.	0.	161.8453
48	0.49262	SLV_SX_D	Min	0.	0.	138.6089
48	0.	SLV_DX_U	Max	0.	0.	229.4434
48	0.24631	SLV_DX_U	Max	0.	0.	190.233
48	0.49262	SLV_DX_U	Max	0.	0.	146.5543
48	0.	SLV_DX_U	Min	0.	0.	229.4434
48	0.24631	SLV_DX_U	Min	0.	0.	190.233
48	0.49262	SLV_DX_U	Min	0.	0.	146.5543
48	0.	SLV_SX_U	Max	0.	0.	260.737
48	0.24631	SLV_SX_U	Max	0.	0.	235.9272
48	0.49262	SLV_SX_U	Max	0.	0.	211.3106
48	0.	SLV_SX_U	Min	0.	0.	260.737
48	0.24631	SLV_SX_U	Min	0.	0.	235.9272
48	0.49262	SLV_SX_U	Min	0.	0.	211.3106
49	0.	SLE	Max	0.	0.	-11.9652
49	0.24626	SLE	Max	0.	0.	-23.6723
49	0.49251	SLE	Max	0.	0.	-35.4281
49	0.	SLE	Min	0.	0.	-11.9652
49	0.24626	SLE	Min	0.	0.	-23.6723
49	0.49251	SLE	Min	0.	0.	-35.4281
49	0.	SLU	Max	0.	0.	-15.5547
49	0.24626	SLU	Max	0.	0.	-30.7739
49	0.49251	SLU	Max	0.	0.	-46.0565
49	0.	SLU	Min	0.	0.	-15.5547
49	0.24626	SLU	Min	0.	0.	-30.7739
49	0.49251	SLU	Min	0.	0.	-46.0565
49	0.	SLV_DX_D	Max	0.	0.	20.0816
49	0.24626	SLV_DX_D	Max	0.	0.	-20.3439
49	0.49251	SLV_DX_D	Max	0.	0.	-65.2049
49	0.	SLV_DX_D	Min	0.	0.	20.0816
49	0.24626	SLV_DX_D	Min	0.	0.	-20.3439
49	0.49251	SLV_DX_D	Min	0.	0.	-65.2049
49	0.	SLV_SX_D	Max	0.	0.	138.6089
49	0.24626	SLV_SX_D	Max	0.	0.	111.5403
49	0.49251	SLV_SX_D	Max	0.	0.	84.7402
49	0.	SLV_SX_D	Min	0.	0.	138.6089
49	0.24626	SLV_SX_D	Min	0.	0.	111.5403
49	0.49251	SLV_SX_D	Min	0.	0.	84.7402
49	0.	SLV_DX_U	Max	0.	0.	146.5543
49	0.24626	SLV_DX_U	Max	0.	0.	98.7475
49	0.49251	SLV_DX_U	Max	0.	0.	46.5168

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
49	0.	SLV_DX_U	Min	0.	0.	146.5543
49	0.24626	SLV_DX_U	Min	0.	0.	98.7475
49	0.49251	SLV_DX_U	Min	0.	0.	46.5168
49	0.	SLV_SX_U	Max	0.	0.	211.3106
49	0.24626	SLV_SX_U	Max	0.	0.	183.5044
49	0.49251	SLV_SX_U	Max	0.	0.	155.9784
49	0.	SLV_SX_U	Min	0.	0.	211.3106
49	0.24626	SLV_SX_U	Min	0.	0.	183.5044
49	0.49251	SLV_SX_U	Min	0.	0.	155.9784
50	0.	SLE	Max	0.	-5.881E-15	-35.4281
50	0.22552	SLE	Max	0.	-8.311E-15	-54.9696
50	0.45105	SLE	Max	0.	-1.074E-14	-74.4943
50	0.	SLE	Min	0.	-5.881E-15	-35.4281
50	0.22552	SLE	Min	0.	-8.311E-15	-54.9696
50	0.45105	SLE	Min	0.	-1.074E-14	-74.4943
50	0.	SLU	Max	0.	-7.645E-15	-46.0565
50	0.22552	SLU	Max	0.	-1.080E-14	-71.4604
50	0.45105	SLU	Max	0.	-1.396E-14	-96.8426
50	0.	SLU	Min	0.	-7.645E-15	-46.0565
50	0.22552	SLU	Min	0.	-1.080E-14	-71.4604
50	0.45105	SLU	Min	0.	-1.396E-14	-96.8426
50	0.	SLV_DX_D	Max	0.	-1.109E-14	-65.2049
50	0.22552	SLV_DX_D	Max	0.	-1.676E-14	-110.7534
50	0.45105	SLV_DX_D	Max	0.	-2.288E-14	-159.9613
50	0.	SLV_DX_D	Min	0.	-1.109E-14	-65.2049
50	0.22552	SLV_DX_D	Min	0.	-1.676E-14	-110.7534
50	0.45105	SLV_DX_D	Min	0.	-2.288E-14	-159.9613
50	0.	SLV_SX_D	Max	0.	1.193E-14	84.7402
50	0.22552	SLV_SX_D	Max	0.	7.820E-15	51.7158
50	0.45105	SLV_SX_D	Max	0.	3.749E-15	18.9812
50	0.	SLV_SX_D	Min	0.	1.193E-14	84.7402
50	0.22552	SLV_SX_D	Min	0.	7.820E-15	51.7158
50	0.45105	SLV_SX_D	Min	0.	3.749E-15	18.9812
50	0.	SLV_DX_U	Max	0.	5.562E-15	46.5168
50	0.22552	SLV_DX_U	Max	0.	-1.194E-15	-7.7808
50	0.45105	SLV_DX_U	Max	0.	-8.398E-15	-65.7418
50	0.	SLV_DX_U	Min	0.	5.562E-15	46.5168
50	0.22552	SLV_DX_U	Min	0.	-1.194E-15	-7.7808
50	0.45105	SLV_DX_U	Min	0.	-8.398E-15	-65.7418
50	0.	SLV_SX_U	Max	0.	2.270E-14	155.9784
50	0.22552	SLV_SX_U	Max	0.	1.862E-14	123.1259
50	0.45105	SLV_SX_U	Max	0.	1.457E-14	90.5592
50	0.	SLV_SX_U	Min	0.	2.270E-14	155.9784
50	0.22552	SLV_SX_U	Min	0.	1.862E-14	123.1259
50	0.45105	SLV_SX_U	Min	0.	1.457E-14	90.5592
51	0.	SLE	Max	0.	-1.125E-14	-74.4943
51	0.22547	SLE	Max	0.	-1.407E-14	-97.2528
51	0.45094	SLE	Max	0.	-1.689E-14	-119.9594
51	0.	SLE	Min	0.	-1.125E-14	-74.4943
51	0.22547	SLE	Min	0.	-1.407E-14	-97.2528
51	0.45094	SLE	Min	0.	-1.689E-14	-119.9594
51	0.	SLU	Max	0.	-1.463E-14	-96.8426
51	0.22547	SLU	Max	0.	-1.829E-14	-126.4286
51	0.45094	SLU	Max	0.	-2.195E-14	-155.9472

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
51	0.	SLU	Min	0.	-1.463E-14	-96.8426
51	0.22547	SLU	Min	0.	-1.829E-14	-126.4286
51	0.45094	SLU	Min	0.	-2.195E-14	-155.9472
51	0.	SLV_DX_D	Max	0.	-2.414E-14	-159.9613
51	0.22547	SLV_DX_D	Max	0.	-3.003E-14	-207.4688
51	0.45094	SLV_DX_D	Max	0.	-3.637E-14	-258.5945
51	0.	SLV_DX_D	Min	0.	-2.414E-14	-159.9613
51	0.22547	SLV_DX_D	Min	0.	-3.003E-14	-207.4688
51	0.45094	SLV_DX_D	Min	0.	-3.637E-14	-258.5945
51	0.	SLV_SX_D	Max	0.	1.984E-15	18.9812
51	0.22547	SLV_SX_D	Max	0.	-2.576E-15	-17.8104
51	0.45094	SLV_SX_D	Max	0.	-7.094E-15	-54.2672
51	0.	SLV_SX_D	Min	0.	1.984E-15	18.9812
51	0.22547	SLV_SX_D	Min	0.	-2.576E-15	-17.8104
51	0.45094	SLV_SX_D	Min	0.	-7.094E-15	-54.2672
51	0.	SLV_DX_U	Max	0.	-1.072E-14	-65.7418
51	0.22547	SLV_DX_U	Max	0.	-1.784E-14	-123.2
51	0.45094	SLV_DX_U	Max	0.	-2.541E-14	-184.2887
51	0.	SLV_DX_U	Min	0.	-1.072E-14	-65.7418
51	0.22547	SLV_DX_U	Min	0.	-1.784E-14	-123.2
51	0.45094	SLV_DX_U	Min	0.	-2.541E-14	-184.2887
51	0.	SLV_SX_U	Max	0.	1.236E-14	90.5592
51	0.22547	SLV_SX_U	Max	0.	7.932E-15	54.8111
51	0.45094	SLV_SX_U	Max	0.	3.541E-15	19.3854
51	0.	SLV_SX_U	Min	0.	1.236E-14	90.5592
51	0.22547	SLV_SX_U	Min	0.	7.932E-15	54.8111
51	0.45094	SLV_SX_U	Min	0.	3.541E-15	19.3854
52	0.	SLE	Max	0.	-1.620E-14	-119.9594
52	0.22556	SLE	Max	0.	-1.946E-14	-146.4748
52	0.45112	SLE	Max	0.	-2.272E-14	-172.9004
52	0.	SLE	Min	0.	-1.620E-14	-119.9594
52	0.22556	SLE	Min	0.	-1.946E-14	-146.4748
52	0.45112	SLE	Min	0.	-2.272E-14	-172.9004
52	0.	SLU	Max	0.	-2.106E-14	-155.9472
52	0.22556	SLU	Max	0.	-2.530E-14	-190.4173
52	0.45112	SLU	Max	0.	-2.953E-14	-224.7705
52	0.	SLU	Min	0.	-2.106E-14	-155.9472
52	0.22556	SLU	Min	0.	-2.530E-14	-190.4173
52	0.45112	SLU	Min	0.	-2.953E-14	-224.7705
52	0.	SLV_DX_D	Max	0.	-3.485E-14	-258.5945
52	0.22556	SLV_DX_D	Max	0.	-4.093E-14	-307.96
52	0.45112	SLV_DX_D	Max	0.	-4.745E-14	-360.9039
52	0.	SLV_DX_D	Min	0.	-3.485E-14	-258.5945
52	0.22556	SLV_DX_D	Min	0.	-4.093E-14	-307.96
52	0.45112	SLV_DX_D	Min	0.	-4.745E-14	-360.9039
52	0.	SLV_SX_D	Max	0.	-7.620E-15	-54.2672
52	0.22556	SLV_SX_D	Max	0.	-1.279E-14	-96.2901
52	0.45112	SLV_SX_D	Max	0.	-1.792E-14	-137.9239
52	0.	SLV_SX_D	Min	0.	-7.620E-15	-54.2672
52	0.22556	SLV_SX_D	Min	0.	-1.279E-14	-96.2901
52	0.45112	SLV_SX_D	Min	0.	-1.792E-14	-137.9239
52	0.	SLV_DX_U	Max	0.	-2.508E-14	-184.2887
52	0.22556	SLV_DX_U	Max	0.	-3.254E-14	-244.8198
52	0.45112	SLV_DX_U	Max	0.	-4.044E-14	-308.9506

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
52	0.	SLV_DX_U	Min	0.	-2.508E-14	-184.2887
52	0.22556	SLV_DX_U	Min	0.	-3.254E-14	-244.8198
52	0.45112	SLV_DX_U	Min	0.	-4.044E-14	-308.9506
52	0.	SLV_SX_U	Max	0.	2.177E-15	19.3854
52	0.22556	SLV_SX_U	Max	0.	-2.875E-15	-21.6397
52	0.45112	SLV_SX_U	Max	0.	-7.882E-15	-62.2971
52	0.	SLV_SX_U	Min	0.	2.177E-15	19.3854
52	0.22556	SLV_SX_U	Min	0.	-2.875E-15	-21.6397
52	0.45112	SLV_SX_U	Min	0.	-7.882E-15	-62.2971
53	0.	SLE	Max	0.	-1.888E-14	-172.9004
53	0.2255	SLE	Max	0.	-2.257E-14	-203.1419
53	0.45099	SLE	Max	0.	-2.623E-14	-233.246
53	0.	SLE	Min	0.	-1.888E-14	-172.9004
53	0.2255	SLE	Min	0.	-2.257E-14	-203.1419
53	0.45099	SLE	Min	0.	-2.623E-14	-233.246
53	0.	SLU	Max	0.	-2.455E-14	-224.7705
53	0.2255	SLU	Max	0.	-2.933E-14	-264.0844
53	0.45099	SLU	Max	0.	-3.410E-14	-303.2199
53	0.	SLU	Min	0.	-2.455E-14	-224.7705
53	0.2255	SLU	Min	0.	-2.933E-14	-264.0844
53	0.45099	SLU	Min	0.	-3.410E-14	-303.2199
53	0.	SLV_DX_D	Max	0.	-3.954E-14	-360.9039
53	0.2255	SLV_DX_D	Max	0.	-4.574E-14	-411.8404
53	0.45099	SLV_DX_D	Max	0.	-5.237E-14	-466.3088
53	0.	SLV_DX_D	Min	0.	-3.954E-14	-360.9039
53	0.2255	SLV_DX_D	Min	0.	-4.574E-14	-411.8404
53	0.45099	SLV_DX_D	Min	0.	-5.237E-14	-466.3088
53	0.	SLV_SX_D	Max	0.	-1.481E-14	-137.9239
53	0.2255	SLV_SX_D	Max	0.	-2.069E-14	-186.2552
53	0.45099	SLV_SX_D	Max	0.	-2.652E-14	-234.1183
53	0.	SLV_SX_D	Min	0.	-1.481E-14	-137.9239
53	0.2255	SLV_SX_D	Min	0.	-2.069E-14	-186.2552
53	0.45099	SLV_SX_D	Min	0.	-2.652E-14	-234.1183
53	0.	SLV_DX_U	Max	0.	-3.364E-14	-308.9506
53	0.2255	SLV_DX_U	Max	0.	-4.135E-14	-372.2993
53	0.45099	SLV_DX_U	Max	0.	-4.949E-14	-439.2123
53	0.	SLV_DX_U	Min	0.	-3.364E-14	-308.9506
53	0.2255	SLV_DX_U	Min	0.	-4.135E-14	-372.2993
53	0.45099	SLV_DX_U	Min	0.	-4.949E-14	-439.2123
53	0.	SLV_SX_U	Max	0.	-6.404E-15	-62.2971
53	0.2255	SLV_SX_U	Max	0.	-1.232E-14	-110.8848
53	0.45099	SLV_SX_U	Max	0.	-1.818E-14	-159.0368
53	0.	SLV_SX_U	Min	0.	-6.404E-15	-62.2971
53	0.2255	SLV_SX_U	Min	0.	-1.232E-14	-110.8848
53	0.45099	SLV_SX_U	Min	0.	-1.818E-14	-159.0368
54	0.	SLE	Max	0.	-2.067E-14	-233.246
54	0.22548	SLE	Max	0.	-2.469E-14	-266.6617
54	0.45096	SLE	Max	0.	-2.870E-14	-299.8842
54	0.	SLE	Min	0.	-2.067E-14	-233.246
54	0.22548	SLE	Min	0.	-2.469E-14	-266.6617
54	0.45096	SLE	Min	0.	-2.870E-14	-299.8842
54	0.	SLU	Max	0.	-2.687E-14	-303.2199
54	0.22548	SLU	Max	0.	-3.210E-14	-346.6602
54	0.45096	SLU	Max	0.	-3.731E-14	-389.8494

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
54	0.	SLU	Min	0.	-2.687E-14	-303.2199
54	0.22548	SLU	Min	0.	-3.210E-14	-346.6602
54	0.45096	SLU	Min	0.	-3.731E-14	-389.8494
54	0.	SLV_DX_D	Max	0.	-4.171E-14	-466.3088
54	0.22548	SLV_DX_D	Max	0.	-4.800E-14	-518.5591
54	0.45096	SLV_DX_D	Max	0.	-5.472E-14	-574.2834
54	0.	SLV_DX_D	Min	0.	-4.171E-14	-466.3088
54	0.22548	SLV_DX_D	Min	0.	-4.800E-14	-518.5591
54	0.45096	SLV_DX_D	Min	0.	-5.472E-14	-574.2834
54	0.	SLV_SX_D	Max	0.	-2.014E-14	-234.1183
54	0.22548	SLV_SX_D	Max	0.	-2.680E-14	-289.3963
54	0.45096	SLV_SX_D	Max	0.	-3.339E-14	-344.1149
54	0.	SLV_SX_D	Min	0.	-2.014E-14	-234.1183
54	0.22548	SLV_SX_D	Min	0.	-2.680E-14	-289.3963
54	0.45096	SLV_SX_D	Min	0.	-3.339E-14	-344.1149
54	0.	SLV_DX_U	Max	0.	-3.882E-14	-439.2123
54	0.22548	SLV_DX_U	Max	0.	-4.676E-14	-505.1572
54	0.45096	SLV_DX_U	Max	0.	-5.513E-14	-574.6219
54	0.	SLV_DX_U	Min	0.	-3.882E-14	-439.2123
54	0.22548	SLV_DX_U	Min	0.	-4.676E-14	-505.1572
54	0.45096	SLV_DX_U	Min	0.	-5.513E-14	-574.6219
54	0.	SLV_SX_U	Max	0.	-1.310E-14	-159.0368
54	0.22548	SLV_SX_U	Max	0.	-2.012E-14	-217.2577
54	0.45096	SLV_SX_U	Max	0.	-2.707E-14	-274.965
54	0.	SLV_SX_U	Min	0.	-1.310E-14	-159.0368
54	0.22548	SLV_SX_U	Min	0.	-2.012E-14	-217.2577
54	0.45096	SLV_SX_U	Min	0.	-2.707E-14	-274.965
55	0.	SLE	Max	0.	-1.366E-14	-299.8842
55	0.27332	SLE	Max	0.	-1.868E-14	-343.1396
55	0.54664	SLE	Max	0.	-2.365E-14	-385.9345
55	0.	SLE	Min	0.	-1.366E-14	-299.8842
55	0.27332	SLE	Min	0.	-1.868E-14	-343.1396
55	0.54664	SLE	Min	0.	-2.365E-14	-385.9345
55	0.	SLU	Max	0.	-1.776E-14	-389.8494
55	0.27332	SLU	Max	0.	-2.429E-14	-446.0815
55	0.54664	SLU	Max	0.	-3.074E-14	-501.7148
55	0.	SLU	Min	0.	-1.776E-14	-389.8494
55	0.27332	SLU	Min	0.	-2.429E-14	-446.0815
55	0.54664	SLU	Min	0.	-3.074E-14	-501.7148
55	0.	SLV_DX_D	Max	0.	-2.726E-14	-574.2834
55	0.27332	SLV_DX_D	Max	0.	-3.470E-14	-638.5344
55	0.54664	SLV_DX_D	Max	0.	-4.275E-14	-707.7948
55	0.	SLV_DX_D	Min	0.	-2.726E-14	-574.2834
55	0.27332	SLV_DX_D	Min	0.	-3.470E-14	-638.5344
55	0.54664	SLV_DX_D	Min	0.	-4.275E-14	-707.7948
55	0.	SLV_SX_D	Max	0.	-1.403E-14	-344.1149
55	0.27332	SLV_SX_D	Max	0.	-2.290E-14	-420.4745
55	0.54664	SLV_SX_D	Max	0.	-3.162E-14	-495.6642
55	0.	SLV_SX_D	Min	0.	-1.403E-14	-344.1149
55	0.27332	SLV_SX_D	Min	0.	-2.290E-14	-420.4745
55	0.54664	SLV_SX_D	Min	0.	-3.162E-14	-495.6642
55	0.	SLV_DX_U	Max	0.	-2.614E-14	-574.6219
55	0.27332	SLV_DX_U	Max	0.	-3.572E-14	-657.2477
55	0.54664	SLV_DX_U	Max	0.	-4.592E-14	-744.992

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
55	0.	SLV_DX_U	Min	0.	-2.614E-14	-574.6219
55	0.27332	SLV_DX_U	Min	0.	-3.572E-14	-657.2477
55	0.54664	SLV_DX_U	Min	0.	-4.592E-14	-744.992
55	0.	SLV_SX_U	Max	0.	-9.694E-15	-274.965
55	0.27332	SLV_SX_U	Max	0.	-1.964E-14	-360.6377
55	0.54664	SLV_SX_U	Max	0.	-2.946E-14	-445.2496
55	0.	SLV_SX_U	Min	0.	-9.694E-15	-274.965
55	0.27332	SLV_SX_U	Min	0.	-1.964E-14	-360.6377
55	0.54664	SLV_SX_U	Min	0.	-2.946E-14	-445.2496
56	0.	SLE	Max	0.	-2.911E-14	-394.9392
56	0.40185	SLE	Max	0.	-1.412E-14	-258.3333
56	0.8037	SLE	Max	0.	1.476E-15	-116.8608
56	0.	SLE	Min	0.	-2.911E-14	-394.9392
56	0.40185	SLE	Min	0.	-1.412E-14	-258.3333
56	0.8037	SLE	Min	0.	1.476E-15	-116.8608
56	0.	SLU	Max	0.	-3.785E-14	-513.4209
56	0.40185	SLU	Max	0.	-1.835E-14	-335.8333
56	0.8037	SLU	Max	0.	1.919E-15	-151.919
56	0.	SLU	Min	0.	-3.785E-14	-513.4209
56	0.40185	SLU	Min	0.	-1.835E-14	-335.8333
56	0.8037	SLU	Min	0.	1.919E-15	-151.919
56	0.	SLV_DX_D	Max	0.	-4.556E-14	-693.2475
56	0.40185	SLV_DX_D	Max	0.	-3.014E-14	-552.8305
56	0.8037	SLV_DX_D	Max	0.	-1.416E-14	-407.8234
56	0.	SLV_DX_D	Min	0.	-4.556E-14	-693.2475
56	0.40185	SLV_DX_D	Min	0.	-3.014E-14	-552.8305
56	0.8037	SLV_DX_D	Min	0.	-1.416E-14	-407.8234
56	0.	SLV_SX_D	Max	0.	-3.526E-14	-499.1044
56	0.40185	SLV_SX_D	Max	0.	-1.934E-14	-353.9489
56	0.8037	SLV_SX_D	Max	0.	-2.637E-15	-202.4966
56	0.	SLV_SX_D	Min	0.	-3.526E-14	-499.1044
56	0.40185	SLV_SX_D	Min	0.	-1.934E-14	-353.9489
56	0.8037	SLV_SX_D	Min	0.	-2.637E-15	-202.4966
56	0.	SLV_DX_U	Max	0.	-4.394E-14	-712.8139
56	0.40185	SLV_DX_U	Max	0.	-3.382E-14	-620.6426
56	0.8037	SLV_DX_U	Max	0.	-2.328E-14	-525.0347
56	0.	SLV_DX_U	Min	0.	-4.394E-14	-712.8139
56	0.40185	SLV_DX_U	Min	0.	-3.382E-14	-620.6426
56	0.8037	SLV_DX_U	Min	0.	-2.328E-14	-525.0347
56	0.	SLV_SX_U	Max	0.	-2.952E-14	-439.7438
56	0.40185	SLV_SX_U	Max	0.	-1.855E-14	-339.6697
56	0.8037	SLV_SX_U	Max	0.	-6.940E-15	-234.4523
56	0.	SLV_SX_U	Min	0.	-2.952E-14	-439.7438
56	0.40185	SLV_SX_U	Min	0.	-1.855E-14	-339.6697
56	0.8037	SLV_SX_U	Min	0.	-6.940E-15	-234.4523
57	0.	SLE	Max	0.	-9.724E-15	-116.8608
57	0.40188	SLE	Max	0.	-3.150E-15	-56.8082
57	0.80377	SLE	Max	0.	4.051E-15	8.37
57	0.	SLE	Min	0.	-9.724E-15	-116.8608
57	0.40188	SLE	Min	0.	-3.150E-15	-56.8082
57	0.80377	SLE	Min	0.	4.051E-15	8.37
57	0.	SLU	Max	0.	-1.264E-14	-151.919
57	0.40188	SLU	Max	0.	-4.095E-15	-73.8506
57	0.80377	SLU	Max	0.	5.267E-15	10.881

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
57	0.	SLU	Min	0.	-1.264E-14	-151.919
57	0.40188	SLU	Min	0.	-4.095E-15	-73.8506
57	0.80377	SLU	Min	0.	5.267E-15	10.881
57	0.	SLV_DX_D	Max	0.	-2.647E-14	-407.8234
57	0.40188	SLV_DX_D	Max	0.	-1.809E-14	-331.4092
57	0.80377	SLV_DX_D	Max	0.	-9.111E-15	-250.0261
57	0.	SLV_DX_D	Min	0.	-2.647E-14	-407.8234
57	0.40188	SLV_DX_D	Min	0.	-1.809E-14	-331.4092
57	0.80377	SLV_DX_D	Min	0.	-9.111E-15	-250.0261
57	0.	SLV_SX_D	Max	0.	-1.510E-14	-202.4966
57	0.40188	SLV_SX_D	Max	0.	-7.134E-15	-129.7103
57	0.80377	SLV_SX_D	Max	0.	1.628E-15	-50.4271
57	0.	SLV_SX_D	Min	0.	-1.510E-14	-202.4966
57	0.40188	SLV_SX_D	Min	0.	-7.134E-15	-129.7103
57	0.80377	SLV_SX_D	Min	0.	1.628E-15	-50.4271
57	0.	SLV_DX_U	Max	0.	-3.191E-14	-525.0347
57	0.40188	SLV_DX_U	Max	0.	-2.537E-14	-465.3682
57	0.80377	SLV_DX_U	Max	0.	-1.837E-14	-401.9476
57	0.	SLV_DX_U	Min	0.	-3.191E-14	-525.0347
57	0.40188	SLV_DX_U	Min	0.	-2.537E-14	-465.3682
57	0.80377	SLV_DX_U	Min	0.	-1.837E-14	-401.9476
57	0.	SLV_SX_U	Max	0.	-1.619E-14	-234.4523
57	0.40188	SLV_SX_U	Max	0.	-9.492E-15	-173.2941
57	0.80377	SLV_SX_U	Max	0.	-2.151E-15	-106.8538
57	0.	SLV_SX_U	Min	0.	-1.619E-14	-234.4523
57	0.40188	SLV_SX_U	Min	0.	-9.492E-15	-173.2941
57	0.80377	SLV_SX_U	Min	0.	-2.151E-15	-106.8538
58	0.	SLE	Max	0.	1.025E-15	8.37
58	0.25311	SLE	Max	0.	2.631E-15	21.48
58	0.50622	SLE	Max	0.	4.408E-15	35.9954
58	0.	SLE	Min	0.	1.025E-15	8.37
58	0.25311	SLE	Min	0.	2.631E-15	21.48
58	0.50622	SLE	Min	0.	4.408E-15	35.9954
58	0.	SLU	Max	0.	1.333E-15	10.881
58	0.25311	SLU	Max	0.	3.420E-15	27.924
58	0.50622	SLU	Max	0.	5.731E-15	46.794
58	0.	SLU	Min	0.	1.333E-15	10.881
58	0.25311	SLU	Min	0.	3.420E-15	27.924
58	0.50622	SLU	Min	0.	5.731E-15	46.794
58	0.	SLV_DX_D	Max	0.	-3.062E-14	-250.0261
58	0.25311	SLV_DX_D	Max	0.	-2.762E-14	-225.5644
58	0.50622	SLV_DX_D	Max	0.	-2.446E-14	-199.7128
58	0.	SLV_DX_D	Min	0.	-3.062E-14	-250.0261
58	0.25311	SLV_DX_D	Min	0.	-2.762E-14	-225.5644
58	0.50622	SLV_DX_D	Min	0.	-2.446E-14	-199.7128
58	0.	SLV_SX_D	Max	0.	-6.176E-15	-50.4271
58	0.25311	SLV_SX_D	Max	0.	-3.591E-15	-29.3199
58	0.50622	SLV_SX_D	Max	0.	-7.910E-16	-6.4589
58	0.	SLV_SX_D	Min	0.	-6.176E-15	-50.4271
58	0.25311	SLV_SX_D	Min	0.	-3.591E-15	-29.3199
58	0.50622	SLV_SX_D	Min	0.	-7.910E-16	-6.4589
58	0.	SLV_DX_U	Max	0.	-4.922E-14	-401.9476
58	0.25311	SLV_DX_U	Max	0.	-4.644E-14	-379.1782
58	0.50622	SLV_DX_U	Max	0.	-4.352E-14	-355.3519

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
58	0.	SLV_DX_U	Min	0.	-4.922E-14	-401.9476
58	0.25311	SLV_DX_U	Min	0.	-4.644E-14	-379.1782
58	0.50622	SLV_DX_U	Min	0.	-4.352E-14	-355.3519
58	0.	SLV_SX_U	Max	0.	-1.309E-14	-106.8538
58	0.25311	SLV_SX_U	Max	0.	-1.024E-14	-83.6532
58	0.50622	SLV_SX_U	Max	0.	-7.229E-15	-59.0321
58	0.	SLV_SX_U	Min	0.	-1.309E-14	-106.8538
58	0.25311	SLV_SX_U	Min	0.	-1.024E-14	-83.6532
58	0.50622	SLV_SX_U	Min	0.	-7.229E-15	-59.0321
59	0.	SLE	Max	0.	4.408E-15	35.9954
59	0.25309	SLE	Max	0.	5.434E-15	44.3748
59	0.50619	SLE	Max	0.	6.637E-15	54.1942
59	0.	SLE	Min	0.	4.408E-15	35.9954
59	0.25309	SLE	Min	0.	5.434E-15	44.3748
59	0.50619	SLE	Min	0.	6.637E-15	54.1942
59	0.	SLU	Max	0.	5.731E-15	46.794
59	0.25309	SLU	Max	0.	7.065E-15	57.6872
59	0.50619	SLU	Max	0.	8.628E-15	70.4524
59	0.	SLU	Min	0.	5.731E-15	46.794
59	0.25309	SLU	Min	0.	7.065E-15	57.6872
59	0.50619	SLU	Min	0.	8.628E-15	70.4524
59	0.	SLV_DX_D	Max	0.	-2.446E-14	-199.7128
59	0.25309	SLV_DX_D	Max	0.	-2.169E-14	-177.0999
59	0.50619	SLV_DX_D	Max	0.	-1.874E-14	-153.0423
59	0.	SLV_DX_D	Min	0.	-2.446E-14	-199.7128
59	0.25309	SLV_DX_D	Min	0.	-2.169E-14	-177.0999
59	0.50619	SLV_DX_D	Min	0.	-1.874E-14	-153.0423
59	0.	SLV_SX_D	Max	0.	-7.910E-16	-6.4589
59	0.25309	SLV_SX_D	Max	0.	1.114E-15	9.095
59	0.50619	SLV_SX_D	Max	0.	3.236E-15	26.4253
59	0.	SLV_SX_D	Min	0.	-7.910E-16	-6.4589
59	0.25309	SLV_SX_D	Min	0.	1.114E-15	9.095
59	0.50619	SLV_SX_D	Min	0.	3.236E-15	26.4253
59	0.	SLV_DX_U	Max	0.	-4.352E-14	-355.3519
59	0.25309	SLV_DX_U	Max	0.	-4.039E-14	-329.8089
59	0.50619	SLV_DX_U	Max	0.	-3.713E-14	-303.1624
59	0.	SLV_DX_U	Min	0.	-4.352E-14	-355.3519
59	0.25309	SLV_DX_U	Min	0.	-4.039E-14	-329.8089
59	0.50619	SLV_DX_U	Min	0.	-3.713E-14	-303.1624
59	0.	SLV_SX_U	Max	0.	-7.229E-15	-59.0321
59	0.25309	SLV_SX_U	Max	0.	-4.948E-15	-40.4056
59	0.50619	SLV_SX_U	Max	0.	-2.491E-15	-20.344
59	0.	SLV_SX_U	Min	0.	-7.229E-15	-59.0321
59	0.25309	SLV_SX_U	Min	0.	-4.948E-15	-40.4056
59	0.50619	SLV_SX_U	Min	0.	-2.491E-15	-20.344
60	0.	SLE	Max	0.	6.637E-15	54.1942
60	0.25314	SLE	Max	0.	7.208E-15	58.8598
60	0.50628	SLE	Max	0.	7.960E-15	64.9976
60	0.	SLE	Min	0.	6.637E-15	54.1942
60	0.25314	SLE	Min	0.	7.208E-15	58.8598
60	0.50628	SLE	Min	0.	7.960E-15	64.9976
60	0.	SLU	Max	0.	8.628E-15	70.4524
60	0.25314	SLU	Max	0.	9.371E-15	76.5177
60	0.50628	SLU	Max	0.	1.035E-14	84.4969

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
60	0.	SLU	Min	0.	8.628E-15	70.4524
60	0.25314	SLU	Min	0.	9.371E-15	76.5177
60	0.50628	SLU	Min	0.	1.035E-14	84.4969
60	0.	SLV_DX_D	Max	0.	-1.874E-14	-153.0423
60	0.25314	SLV_DX_D	Max	0.	-1.626E-14	-132.8008
60	0.50628	SLV_DX_D	Max	0.	-1.360E-14	-111.062
60	0.	SLV_DX_D	Min	0.	-1.874E-14	-153.0423
60	0.25314	SLV_DX_D	Min	0.	-1.626E-14	-132.8008
60	0.50628	SLV_DX_D	Min	0.	-1.360E-14	-111.062
60	0.	SLV_SX_D	Max	0.	3.236E-15	26.4253
60	0.25314	SLV_SX_D	Max	0.	4.568E-15	37.2983
60	0.50628	SLV_SX_D	Max	0.	6.119E-15	49.9673
60	0.	SLV_SX_D	Min	0.	3.236E-15	26.4253
60	0.25314	SLV_SX_D	Min	0.	4.568E-15	37.2983
60	0.50628	SLV_SX_D	Min	0.	6.119E-15	49.9673
60	0.	SLV_DX_U	Max	0.	-3.713E-14	-303.1624
60	0.25314	SLV_DX_U	Max	0.	-3.391E-14	-276.8704
60	0.50628	SLV_DX_U	Max	0.	-3.055E-14	-249.43
60	0.	SLV_DX_U	Min	0.	-3.713E-14	-303.1624
60	0.25314	SLV_DX_U	Min	0.	-3.391E-14	-276.8704
60	0.50628	SLV_DX_U	Min	0.	-3.055E-14	-249.43
60	0.	SLV_SX_U	Max	0.	-2.491E-15	-20.344
60	0.25314	SLV_SX_U	Max	0.	-7.246E-16	-5.917
60	0.50628	SLV_SX_U	Max	0.	1.219E-15	9.9572
60	0.	SLV_SX_U	Min	0.	-2.491E-15	-20.344
60	0.25314	SLV_SX_U	Min	0.	-7.246E-16	-5.917
60	0.50628	SLV_SX_U	Min	0.	1.219E-15	9.9572
61	0.	SLE	Max	0.	7.960E-15	64.9976
61	0.25311	SLE	Max	0.	8.189E-15	66.8689
61	0.50622	SLE	Max	0.	8.602E-15	70.2404
61	0.	SLE	Min	0.	7.960E-15	64.9976
61	0.25311	SLE	Min	0.	8.189E-15	66.8689
61	0.50622	SLE	Min	0.	8.602E-15	70.2404
61	0.	SLU	Max	0.	1.035E-14	84.4969
61	0.25311	SLU	Max	0.	1.065E-14	86.9296
61	0.50622	SLU	Max	0.	1.118E-14	91.3126
61	0.	SLU	Min	0.	1.035E-14	84.4969
61	0.25311	SLU	Min	0.	1.065E-14	86.9296
61	0.50622	SLU	Min	0.	1.118E-14	91.3126
61	0.	SLV_DX_D	Max	0.	-1.360E-14	-111.062
61	0.25311	SLV_DX_D	Max	0.	-1.144E-14	-93.4427
61	0.50622	SLV_DX_D	Max	0.	-9.096E-15	-74.2781
61	0.	SLV_DX_D	Min	0.	-1.360E-14	-111.062
61	0.25311	SLV_DX_D	Min	0.	-1.144E-14	-93.4427
61	0.50622	SLV_DX_D	Min	0.	-9.096E-15	-74.2781
61	0.	SLV_SX_D	Max	0.	6.119E-15	49.9673
61	0.25311	SLV_SX_D	Max	0.	6.978E-15	56.9837
61	0.50622	SLV_SX_D	Max	0.	8.059E-15	65.8106
61	0.	SLV_SX_D	Min	0.	6.119E-15	49.9673
61	0.25311	SLV_SX_D	Min	0.	6.978E-15	56.9837
61	0.50622	SLV_SX_D	Min	0.	8.059E-15	65.8106
61	0.	SLV_DX_U	Max	0.	-3.055E-14	-249.43
61	0.25311	SLV_DX_U	Max	0.	-2.742E-14	-223.8749
61	0.50622	SLV_DX_U	Max	0.	-2.414E-14	-197.13

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
61	0.	SLV_DX_U	Min	0.	-3.055E-14	-249.43
61	0.25311	SLV_DX_U	Min	0.	-2.742E-14	-223.8749
61	0.50622	SLV_DX_U	Min	0.	-2.414E-14	-197.13
61	0.	SLV_SX_U	Max	0.	1.219E-15	9.9572
61	0.25311	SLV_SX_U	Max	0.	2.522E-15	20.5956
61	0.50622	SLV_SX_U	Max	0.	4.003E-15	32.6889
61	0.	SLV_SX_U	Min	0.	1.219E-15	9.9572
61	0.25311	SLV_SX_U	Min	0.	2.522E-15	20.5956
61	0.50622	SLV_SX_U	Min	0.	4.003E-15	32.6889
62	0.	SLE	Max	0.	8.602E-15	70.2404
62	0.25306	SLE	Max	0.	8.590E-15	70.1397
62	0.50613	SLE	Max	0.	8.764E-15	71.5636
62	0.	SLE	Min	0.	8.602E-15	70.2404
62	0.25306	SLE	Min	0.	8.590E-15	70.1397
62	0.50613	SLE	Min	0.	8.764E-15	71.5636
62	0.	SLU	Max	0.	1.118E-14	91.3126
62	0.25306	SLU	Max	0.	1.117E-14	91.1816
62	0.50613	SLU	Max	0.	1.139E-14	93.0327
62	0.	SLU	Min	0.	1.118E-14	91.3126
62	0.25306	SLU	Min	0.	1.117E-14	91.1816
62	0.50613	SLU	Min	0.	1.139E-14	93.0327
62	0.	SLV_DX_D	Max	0.	-9.096E-15	-74.2781
62	0.25306	SLV_DX_D	Max	0.	-7.262E-15	-59.296
62	0.50613	SLV_DX_D	Max	0.	-5.232E-15	-42.7243
62	0.	SLV_DX_D	Min	0.	-9.096E-15	-74.2781
62	0.25306	SLV_DX_D	Min	0.	-7.262E-15	-59.296
62	0.50613	SLV_DX_D	Min	0.	-5.232E-15	-42.7243
62	0.	SLV_SX_D	Max	0.	8.059E-15	65.8106
62	0.25306	SLV_SX_D	Max	0.	8.540E-15	69.7368
62	0.50613	SLV_SX_D	Max	0.	9.244E-15	75.4838
62	0.	SLV_SX_D	Min	0.	8.059E-15	65.8106
62	0.25306	SLV_SX_D	Min	0.	8.540E-15	69.7368
62	0.50613	SLV_SX_D	Min	0.	9.244E-15	75.4838
62	0.	SLV_DX_U	Max	0.	-2.414E-14	-197.13
62	0.25306	SLV_DX_U	Max	0.	-2.122E-14	-173.3087
62	0.50613	SLV_DX_U	Max	0.	-1.816E-14	-148.259
62	0.	SLV_DX_U	Min	0.	-2.414E-14	-197.13
62	0.25306	SLV_DX_U	Min	0.	-2.122E-14	-173.3087
62	0.50613	SLV_DX_U	Min	0.	-1.816E-14	-148.259
62	0.	SLV_SX_U	Max	0.	4.003E-15	32.6889
62	0.25306	SLV_SX_U	Max	0.	4.895E-15	39.9676
62	0.50613	SLV_SX_U	Max	0.	5.965E-15	48.7056
62	0.	SLV_SX_U	Min	0.	4.003E-15	32.6889
62	0.25306	SLV_SX_U	Min	0.	4.895E-15	39.9676
62	0.50613	SLV_SX_U	Min	0.	5.965E-15	48.7056
63	0.	SLE	Max	0.	8.764E-15	71.5636
63	0.25312	SLE	Max	0.	8.597E-15	70.1996
63	0.50624	SLE	Max	0.	8.619E-15	70.3823
63	0.	SLE	Min	0.	8.764E-15	71.5636
63	0.25312	SLE	Min	0.	8.597E-15	70.1996
63	0.50624	SLE	Min	0.	8.619E-15	70.3823
63	0.	SLU	Max	0.	1.139E-14	93.0327
63	0.25312	SLU	Max	0.	1.118E-14	91.2594
63	0.50624	SLU	Max	0.	1.121E-14	91.4969

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
63	0.	SLU	Min	0.	1.139E-14	93.0327
63	0.25312	SLU	Min	0.	1.118E-14	91.2594
63	0.50624	SLU	Min	0.	1.121E-14	91.4969
63	0.	SLV_DX_D	Max	0.	-5.232E-15	-42.7243
63	0.25312	SLV_DX_D	Max	0.	-3.702E-15	-30.2297
63	0.50624	SLV_DX_D	Max	0.	-1.972E-15	-16.1032
63	0.	SLV_DX_D	Min	0.	-5.232E-15	-42.7243
63	0.25312	SLV_DX_D	Min	0.	-3.702E-15	-30.2297
63	0.50624	SLV_DX_D	Min	0.	-1.972E-15	-16.1032
63	0.	SLV_SX_D	Max	0.	9.244E-15	75.4838
63	0.25312	SLV_SX_D	Max	0.	9.429E-15	76.9911
63	0.50624	SLV_SX_D	Max	0.	9.837E-15	80.3267
63	0.	SLV_SX_D	Min	0.	9.244E-15	75.4838
63	0.25312	SLV_SX_D	Min	0.	9.429E-15	76.9911
63	0.50624	SLV_SX_D	Min	0.	9.837E-15	80.3267
63	0.	SLV_DX_U	Max	0.	-1.816E-14	-148.259
63	0.25312	SLV_DX_U	Max	0.	-1.553E-14	-126.7735
63	0.50624	SLV_DX_U	Max	0.	-1.274E-14	-104.0228
63	0.	SLV_DX_U	Min	0.	-1.816E-14	-148.259
63	0.25312	SLV_DX_U	Min	0.	-1.553E-14	-126.7735
63	0.50624	SLV_DX_U	Min	0.	-1.274E-14	-104.0228
63	0.	SLV_SX_U	Max	0.	5.965E-15	48.7056
63	0.25312	SLV_SX_U	Max	0.	6.493E-15	53.0232
63	0.50624	SLV_SX_U	Max	0.	7.201E-15	58.8024
63	0.	SLV_SX_U	Min	0.	5.965E-15	48.7056
63	0.25312	SLV_SX_U	Min	0.	6.493E-15	53.0232
63	0.50624	SLV_SX_U	Min	0.	7.201E-15	58.8024
64	0.	SLE	Max	0.	8.619E-15	70.3823
64	0.25308	SLE	Max	0.	8.369E-15	68.3354
64	0.50617	SLE	Max	0.	8.310E-15	67.8527
64	0.	SLE	Min	0.	8.619E-15	70.3823
64	0.25308	SLE	Min	0.	8.369E-15	68.3354
64	0.50617	SLE	Min	0.	8.310E-15	67.8527
64	0.	SLU	Max	0.	1.121E-14	91.4969
64	0.25308	SLU	Max	0.	1.088E-14	88.836
64	0.50617	SLU	Max	0.	1.080E-14	88.2085
64	0.	SLU	Min	0.	1.121E-14	91.4969
64	0.25308	SLU	Min	0.	1.088E-14	88.836
64	0.50617	SLU	Min	0.	1.080E-14	88.2085
64	0.	SLV_DX_D	Max	0.	-1.972E-15	-16.1032
64	0.25308	SLV_DX_D	Max	0.	-7.192E-16	-5.8727
64	0.50617	SLV_DX_D	Max	0.	7.381E-16	6.0267
64	0.	SLV_DX_D	Min	0.	-1.972E-15	-16.1032
64	0.25308	SLV_DX_D	Min	0.	-7.192E-16	-5.8727
64	0.50617	SLV_DX_D	Min	0.	7.381E-16	6.0267
64	0.	SLV_SX_D	Max	0.	9.837E-15	80.3267
64	0.25308	SLV_SX_D	Max	0.	9.791E-15	79.9512
64	0.50617	SLV_SX_D	Max	0.	9.969E-15	81.406
64	0.	SLV_SX_D	Min	0.	9.837E-15	80.3267
64	0.25308	SLV_SX_D	Min	0.	9.791E-15	79.9512
64	0.50617	SLV_SX_D	Min	0.	9.969E-15	81.406
64	0.	SLV_DX_U	Max	0.	-1.274E-14	-104.0228
64	0.25308	SLV_DX_U	Max	0.	-1.044E-14	-85.2143
64	0.50617	SLV_DX_U	Max	0.	-7.973E-15	-65.1075

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
64	0.	SLV_DX_U	Min	0.	-1.274E-14	-104.0228
64	0.25308	SLV_DX_U	Min	0.	-1.044E-14	-85.2143
64	0.50617	SLV_DX_U	Min	0.	-7.973E-15	-65.1075
64	0.	SLV_SX_U	Max	0.	7.201E-15	58.8024
64	0.25308	SLV_SX_U	Max	0.	7.406E-15	60.4708
64	0.50617	SLV_SX_U	Max	0.	7.789E-15	63.5987
64	0.	SLV_SX_U	Min	0.	7.201E-15	58.8024
64	0.25308	SLV_SX_U	Min	0.	7.406E-15	60.4708
64	0.50617	SLV_SX_U	Min	0.	7.789E-15	63.5987
65	0.	SLE	Max	0.	8.310E-15	67.8527
65	0.25311	SLE	Max	0.	8.033E-15	65.5931
65	0.50622	SLE	Max	0.	7.949E-15	64.9125
65	0.	SLE	Min	0.	8.310E-15	67.8527
65	0.25311	SLE	Min	0.	8.033E-15	65.5931
65	0.50622	SLE	Min	0.	7.949E-15	64.9125
65	0.	SLU	Max	0.	1.080E-14	88.2085
65	0.25311	SLU	Max	0.	1.044E-14	85.2711
65	0.50622	SLU	Max	0.	1.033E-14	84.3863
65	0.	SLU	Min	0.	1.080E-14	88.2085
65	0.25311	SLU	Min	0.	1.044E-14	85.2711
65	0.50622	SLU	Min	0.	1.033E-14	84.3863
65	0.	SLV_DX_D	Max	0.	7.381E-16	6.0267
65	0.25311	SLV_DX_D	Max	0.	1.749E-15	14.2841
65	0.50622	SLV_DX_D	Max	0.	2.969E-15	24.2446
65	0.	SLV_DX_D	Min	0.	7.381E-16	6.0267
65	0.25311	SLV_DX_D	Min	0.	1.749E-15	14.2841
65	0.50622	SLV_DX_D	Min	0.	2.969E-15	24.2446
65	0.	SLV_SX_D	Max	0.	9.969E-15	81.406
65	0.25311	SLV_SX_D	Max	0.	9.744E-15	79.5682
65	0.50622	SLV_SX_D	Max	0.	9.743E-15	79.5594
65	0.	SLV_SX_D	Min	0.	9.969E-15	81.406
65	0.25311	SLV_SX_D	Min	0.	9.744E-15	79.5682
65	0.50622	SLV_SX_D	Min	0.	9.743E-15	79.5594
65	0.	SLV_DX_U	Max	0.	-7.973E-15	-65.1075
65	0.25311	SLV_DX_U	Max	0.	-6.010E-15	-49.0794
65	0.50622	SLV_DX_U	Max	0.	-3.885E-15	-31.7223
65	0.	SLV_DX_U	Min	0.	-7.973E-15	-65.1075
65	0.25311	SLV_DX_U	Min	0.	-6.010E-15	-49.0794
65	0.50622	SLV_DX_U	Min	0.	-3.885E-15	-31.7223
65	0.	SLV_SX_U	Max	0.	7.789E-15	63.5987
65	0.25311	SLV_SX_U	Max	0.	7.698E-15	62.8585
65	0.50622	SLV_SX_U	Max	0.	7.785E-15	63.573
65	0.	SLV_SX_U	Min	0.	7.789E-15	63.5987
65	0.25311	SLV_SX_U	Min	0.	7.698E-15	62.8585
65	0.50622	SLV_SX_U	Min	0.	7.785E-15	63.573
66	0.	SLE	Max	0.	7.949E-15	64.9125
66	0.25309	SLE	Max	0.	7.694E-15	62.823
66	0.50618	SLE	Max	0.	7.632E-15	62.3231
66	0.	SLE	Min	0.	7.949E-15	64.9125
66	0.25309	SLE	Min	0.	7.694E-15	62.823
66	0.50618	SLE	Min	0.	7.632E-15	62.3231
66	0.	SLU	Max	0.	1.033E-14	84.3863
66	0.25309	SLU	Max	0.	1.000E-14	81.6699
66	0.50618	SLU	Max	0.	9.922E-15	81.02

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
66	0.	SLU	Min	0.	1.033E-14	84.3863
66	0.25309	SLU	Min	0.	1.000E-14	81.6699
66	0.50618	SLU	Min	0.	9.922E-15	81.02
66	0.	SLV_DX_D	Max	0.	2.969E-15	24.2446
66	0.25309	SLV_DX_D	Max	0.	3.779E-15	30.8578
66	0.50618	SLV_DX_D	Max	0.	4.801E-15	39.2039
66	0.	SLV_DX_D	Min	0.	2.969E-15	24.2446
66	0.25309	SLV_DX_D	Min	0.	3.779E-15	30.8578
66	0.50618	SLV_DX_D	Min	0.	4.801E-15	39.2039
66	0.	SLV_SX_D	Max	0.	9.743E-15	79.5594
66	0.25309	SLV_SX_D	Max	0.	9.379E-15	76.5849
66	0.50618	SLV_SX_D	Max	0.	9.238E-15	75.4334
66	0.	SLV_SX_D	Min	0.	9.743E-15	79.5594
66	0.25309	SLV_SX_D	Min	0.	9.379E-15	76.5849
66	0.50618	SLV_SX_D	Min	0.	9.238E-15	75.4334
66	0.	SLV_DX_U	Max	0.	-3.885E-15	-31.7223
66	0.25309	SLV_DX_U	Max	0.	-2.255E-15	-18.41
66	0.50618	SLV_DX_U	Max	0.	-4.582E-16	-3.7415
66	0.	SLV_DX_U	Min	0.	-3.885E-15	-31.7223
66	0.25309	SLV_DX_U	Min	0.	-2.255E-15	-18.41
66	0.50618	SLV_DX_U	Min	0.	-4.582E-16	-3.7415
66	0.	SLV_SX_U	Max	0.	7.785E-15	63.573
66	0.25309	SLV_SX_U	Max	0.	7.422E-15	60.6063
66	0.50618	SLV_SX_U	Max	0.	7.236E-15	59.0858
66	0.	SLV_SX_U	Min	0.	7.785E-15	63.573
66	0.25309	SLV_SX_U	Min	0.	7.422E-15	60.6063
66	0.50618	SLV_SX_U	Min	0.	7.236E-15	59.0858
67	0.	SLE	Max	0.	7.632E-15	62.3231
67	0.25309	SLE	Max	0.	7.428E-15	60.6516
67	0.50619	SLE	Max	0.	7.419E-15	60.577
67	0.	SLE	Min	0.	7.632E-15	62.3231
67	0.25309	SLE	Min	0.	7.428E-15	60.6516
67	0.50619	SLE	Min	0.	7.419E-15	60.577
67	0.	SLU	Max	0.	9.922E-15	81.02
67	0.25309	SLU	Max	0.	9.656E-15	78.8471
67	0.50619	SLU	Max	0.	9.644E-15	78.7501
67	0.	SLU	Min	0.	9.922E-15	81.02
67	0.25309	SLU	Min	0.	9.656E-15	78.8471
67	0.50619	SLU	Min	0.	9.644E-15	78.7501
67	0.	SLV_DX_D	Max	0.	4.801E-15	39.2039
67	0.25309	SLV_DX_D	Max	0.	5.443E-15	44.443
67	0.50619	SLV_DX_D	Max	0.	6.300E-15	51.4412
67	0.	SLV_DX_D	Min	0.	4.801E-15	39.2039
67	0.25309	SLV_DX_D	Min	0.	5.443E-15	44.443
67	0.50619	SLV_DX_D	Min	0.	6.300E-15	51.4412
67	0.	SLV_SX_D	Max	0.	9.238E-15	75.4334
67	0.25309	SLV_SX_D	Max	0.	8.754E-15	71.4845
67	0.50619	SLV_SX_D	Max	0.	8.493E-15	69.3487
67	0.	SLV_SX_D	Min	0.	9.238E-15	75.4334
67	0.25309	SLV_SX_D	Min	0.	8.754E-15	71.4845
67	0.50619	SLV_SX_D	Min	0.	8.493E-15	69.3487
67	0.	SLV_DX_U	Max	0.	-4.582E-16	-3.7415
67	0.25309	SLV_DX_U	Max	0.	8.533E-16	6.9676
67	0.50619	SLV_DX_U	Max	0.	2.334E-15	19.0574

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
67	0.	SLV_DX_U	Min	0.	-4.582E-16	-3.7415
67	0.25309	SLV_DX_U	Min	0.	8.533E-16	6.9676
67	0.50619	SLV_DX_U	Min	0.	2.334E-15	19.0574
67	0.	SLV_SX_U	Max	0.	7.236E-15	59.0858
67	0.25309	SLV_SX_U	Max	0.	6.606E-15	53.9442
67	0.50619	SLV_SX_U	Max	0.	6.152E-15	50.2373
67	0.	SLV_SX_U	Min	0.	7.236E-15	59.0858
67	0.25309	SLV_SX_U	Min	0.	6.606E-15	53.9442
67	0.50619	SLV_SX_U	Min	0.	6.152E-15	50.2373
68	0.	SLE	Max	0.	7.419E-15	60.577
68	0.25312	SLE	Max	0.	7.284E-15	59.4784
68	0.50624	SLE	Max	0.	7.346E-15	59.9807
68	0.	SLE	Min	0.	7.419E-15	60.577
68	0.25312	SLE	Min	0.	7.284E-15	59.4784
68	0.50624	SLE	Min	0.	7.346E-15	59.9807
68	0.	SLU	Max	0.	9.644E-15	78.7501
68	0.25312	SLU	Max	0.	9.469E-15	77.322
68	0.50624	SLU	Max	0.	9.549E-15	77.9749
68	0.	SLU	Min	0.	9.644E-15	78.7501
68	0.25312	SLU	Min	0.	9.469E-15	77.322
68	0.50624	SLU	Min	0.	9.549E-15	77.9749
68	0.	SLV_DX_D	Max	0.	6.300E-15	51.4412
68	0.25312	SLV_DX_D	Max	0.	6.801E-15	55.5376
68	0.50624	SLV_DX_D	Max	0.	7.521E-15	61.4156
68	0.	SLV_DX_D	Min	0.	6.300E-15	51.4412
68	0.25312	SLV_DX_D	Min	0.	6.801E-15	55.5376
68	0.50624	SLV_DX_D	Min	0.	7.521E-15	61.4156
68	0.	SLV_SX_D	Max	0.	8.493E-15	69.3487
68	0.25312	SLV_SX_D	Max	0.	7.897E-15	64.4824
68	0.50624	SLV_SX_D	Max	0.	7.521E-15	61.4156
68	0.	SLV_SX_D	Min	0.	8.493E-15	69.3487
68	0.25312	SLV_SX_D	Min	0.	7.897E-15	64.4824
68	0.50624	SLV_SX_D	Min	0.	7.521E-15	61.4156
68	0.	SLV_DX_U	Max	0.	2.334E-15	19.0574
68	0.25312	SLV_DX_U	Max	0.	3.346E-15	27.3199
68	0.50624	SLV_DX_U	Max	0.	4.529E-15	36.9845
68	0.	SLV_DX_U	Min	0.	2.334E-15	19.0574
68	0.25312	SLV_DX_U	Min	0.	3.346E-15	27.3199
68	0.50624	SLV_DX_U	Min	0.	4.529E-15	36.9845
68	0.	SLV_SX_U	Max	0.	6.152E-15	50.2373
68	0.25312	SLV_SX_U	Max	0.	5.254E-15	42.9008
68	0.50624	SLV_SX_U	Max	0.	4.529E-15	36.9845
68	0.	SLV_SX_U	Min	0.	6.152E-15	50.2373
68	0.25312	SLV_SX_U	Min	0.	5.254E-15	42.9008
68	0.50624	SLV_SX_U	Min	0.	4.529E-15	36.9845
69	0.	SLE	Max	0.	7.346E-15	59.9807
69	0.25312	SLE	Max	0.	7.284E-15	59.4784
69	0.50624	SLE	Max	0.	7.419E-15	60.577
69	0.	SLE	Min	0.	7.346E-15	59.9807
69	0.25312	SLE	Min	0.	7.284E-15	59.4784
69	0.50624	SLE	Min	0.	7.419E-15	60.577
69	0.	SLU	Max	0.	9.549E-15	77.9749
69	0.25312	SLU	Max	0.	9.469E-15	77.322
69	0.50624	SLU	Max	0.	9.644E-15	78.7501

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
69	0.	SLU	Min	0.	9.549E-15	77.9749
69	0.25312	SLU	Min	0.	9.469E-15	77.322
69	0.50624	SLU	Min	0.	9.644E-15	78.7501
69	0.	SLV_DX_D	Max	0.	7.521E-15	61.4156
69	0.25312	SLV_DX_D	Max	0.	7.897E-15	64.4824
69	0.50624	SLV_DX_D	Max	0.	8.493E-15	69.3487
69	0.	SLV_DX_D	Min	0.	7.521E-15	61.4156
69	0.25312	SLV_DX_D	Min	0.	7.897E-15	64.4824
69	0.50624	SLV_DX_D	Min	0.	8.493E-15	69.3487
69	0.	SLV_SX_D	Max	0.	7.521E-15	61.4156
69	0.25312	SLV_SX_D	Max	0.	6.801E-15	55.5376
69	0.50624	SLV_SX_D	Max	0.	6.300E-15	51.4412
69	0.	SLV_SX_D	Min	0.	7.521E-15	61.4156
69	0.25312	SLV_SX_D	Min	0.	6.801E-15	55.5376
69	0.50624	SLV_SX_D	Min	0.	6.300E-15	51.4412
69	0.	SLV_DX_U	Max	0.	4.529E-15	36.9845
69	0.25312	SLV_DX_U	Max	0.	5.254E-15	42.9008
69	0.50624	SLV_DX_U	Max	0.	6.152E-15	50.2373
69	0.	SLV_DX_U	Min	0.	4.529E-15	36.9845
69	0.25312	SLV_DX_U	Min	0.	5.254E-15	42.9008
69	0.50624	SLV_DX_U	Min	0.	6.152E-15	50.2373
69	0.	SLV_SX_U	Max	0.	4.529E-15	36.9845
69	0.25312	SLV_SX_U	Max	0.	3.346E-15	27.3199
69	0.50624	SLV_SX_U	Max	0.	2.334E-15	19.0574
69	0.	SLV_SX_U	Min	0.	4.529E-15	36.9845
69	0.25312	SLV_SX_U	Min	0.	3.346E-15	27.3199
69	0.50624	SLV_SX_U	Min	0.	2.334E-15	19.0574
70	0.	SLE	Max	0.	7.419E-15	60.577
70	0.25309	SLE	Max	0.	7.428E-15	60.6516
70	0.50619	SLE	Max	0.	7.632E-15	62.3231
70	0.	SLE	Min	0.	7.419E-15	60.577
70	0.25309	SLE	Min	0.	7.428E-15	60.6516
70	0.50619	SLE	Min	0.	7.632E-15	62.3231
70	0.	SLU	Max	0.	9.644E-15	78.7501
70	0.25309	SLU	Max	0.	9.656E-15	78.8471
70	0.50619	SLU	Max	0.	9.922E-15	81.02
70	0.	SLU	Min	0.	9.644E-15	78.7501
70	0.25309	SLU	Min	0.	9.656E-15	78.8471
70	0.50619	SLU	Min	0.	9.922E-15	81.02
70	0.	SLV_DX_D	Max	0.	8.493E-15	69.3487
70	0.25309	SLV_DX_D	Max	0.	8.754E-15	71.4845
70	0.50619	SLV_DX_D	Max	0.	9.238E-15	75.4334
70	0.	SLV_DX_D	Min	0.	8.493E-15	69.3487
70	0.25309	SLV_DX_D	Min	0.	8.754E-15	71.4845
70	0.50619	SLV_DX_D	Min	0.	9.238E-15	75.4334
70	0.	SLV_SX_D	Max	0.	6.300E-15	51.4412
70	0.25309	SLV_SX_D	Max	0.	5.443E-15	44.443
70	0.50619	SLV_SX_D	Max	0.	4.801E-15	39.2039
70	0.	SLV_SX_D	Min	0.	6.300E-15	51.4412
70	0.25309	SLV_SX_D	Min	0.	5.443E-15	44.443
70	0.50619	SLV_SX_D	Min	0.	4.801E-15	39.2039
70	0.	SLV_DX_U	Max	0.	6.152E-15	50.2373
70	0.25309	SLV_DX_U	Max	0.	6.606E-15	53.9442
70	0.50619	SLV_DX_U	Max	0.	7.236E-15	59.0858

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
70	0.	SLV_DX_U	Min	0.	6.152E-15	50.2373
70	0.25309	SLV_DX_U	Min	0.	6.606E-15	53.9442
70	0.50619	SLV_DX_U	Min	0.	7.236E-15	59.0858
70	0.	SLV_SX_U	Max	0.	2.334E-15	19.0574
70	0.25309	SLV_SX_U	Max	0.	8.533E-16	6.9676
70	0.50619	SLV_SX_U	Max	0.	-4.582E-16	-3.7415
70	0.	SLV_SX_U	Min	0.	2.334E-15	19.0574
70	0.25309	SLV_SX_U	Min	0.	8.533E-16	6.9676
70	0.50619	SLV_SX_U	Min	0.	-4.582E-16	-3.7415
71	0.	SLE	Max	0.	7.632E-15	62.3231
71	0.25309	SLE	Max	0.	7.694E-15	62.823
71	0.50618	SLE	Max	0.	7.949E-15	64.9125
71	0.	SLE	Min	0.	7.632E-15	62.3231
71	0.25309	SLE	Min	0.	7.694E-15	62.823
71	0.50618	SLE	Min	0.	7.949E-15	64.9125
71	0.	SLU	Max	0.	9.922E-15	81.02
71	0.25309	SLU	Max	0.	1.000E-14	81.6699
71	0.50618	SLU	Max	0.	1.033E-14	84.3863
71	0.	SLU	Min	0.	9.922E-15	81.02
71	0.25309	SLU	Min	0.	1.000E-14	81.6699
71	0.50618	SLU	Min	0.	1.033E-14	84.3863
71	0.	SLV_DX_D	Max	0.	9.238E-15	75.4334
71	0.25309	SLV_DX_D	Max	0.	9.379E-15	76.5849
71	0.50618	SLV_DX_D	Max	0.	9.743E-15	79.5594
71	0.	SLV_DX_D	Min	0.	9.238E-15	75.4334
71	0.25309	SLV_DX_D	Min	0.	9.379E-15	76.5849
71	0.50618	SLV_DX_D	Min	0.	9.743E-15	79.5594
71	0.	SLV_SX_D	Max	0.	4.801E-15	39.2039
71	0.25309	SLV_SX_D	Max	0.	3.779E-15	30.8578
71	0.50618	SLV_SX_D	Max	0.	2.969E-15	24.2446
71	0.	SLV_SX_D	Min	0.	4.801E-15	39.2039
71	0.25309	SLV_SX_D	Min	0.	3.779E-15	30.8578
71	0.50618	SLV_SX_D	Min	0.	2.969E-15	24.2446
71	0.	SLV_DX_U	Max	0.	7.236E-15	59.0858
71	0.25309	SLV_DX_U	Max	0.	7.422E-15	60.6063
71	0.50618	SLV_DX_U	Max	0.	7.785E-15	63.573
71	0.	SLV_DX_U	Min	0.	7.236E-15	59.0858
71	0.25309	SLV_DX_U	Min	0.	7.422E-15	60.6063
71	0.50618	SLV_DX_U	Min	0.	7.785E-15	63.573
71	0.	SLV_SX_U	Max	0.	-4.582E-16	-3.7415
71	0.25309	SLV_SX_U	Max	0.	-2.255E-15	-18.41
71	0.50618	SLV_SX_U	Max	0.	-3.885E-15	-31.7223
71	0.	SLV_SX_U	Min	0.	-4.582E-16	-3.7415
71	0.25309	SLV_SX_U	Min	0.	-2.255E-15	-18.41
71	0.50618	SLV_SX_U	Min	0.	-3.885E-15	-31.7223
72	0.	SLE	Max	0.	7.949E-15	64.9125
72	0.25311	SLE	Max	0.	8.033E-15	65.5931
72	0.50622	SLE	Max	0.	8.310E-15	67.8527
72	0.	SLE	Min	0.	7.949E-15	64.9125
72	0.25311	SLE	Min	0.	8.033E-15	65.5931
72	0.50622	SLE	Min	0.	8.310E-15	67.8527
72	0.	SLU	Max	0.	1.033E-14	84.3863
72	0.25311	SLU	Max	0.	1.044E-14	85.2711
72	0.50622	SLU	Max	0.	1.080E-14	88.2085

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
72	0.	SLU	Min	0.	1.033E-14	84.3863
72	0.25311	SLU	Min	0.	1.044E-14	85.2711
72	0.50622	SLU	Min	0.	1.080E-14	88.2085
72	0.	SLV_DX_D	Max	0.	9.743E-15	79.5594
72	0.25311	SLV_DX_D	Max	0.	9.744E-15	79.5682
72	0.50622	SLV_DX_D	Max	0.	9.969E-15	81.406
72	0.	SLV_DX_D	Min	0.	9.743E-15	79.5594
72	0.25311	SLV_DX_D	Min	0.	9.744E-15	79.5682
72	0.50622	SLV_DX_D	Min	0.	9.969E-15	81.406
72	0.	SLV_SX_D	Max	0.	2.969E-15	24.2446
72	0.25311	SLV_SX_D	Max	0.	1.749E-15	14.2841
72	0.50622	SLV_SX_D	Max	0.	7.381E-16	6.0267
72	0.	SLV_SX_D	Min	0.	2.969E-15	24.2446
72	0.25311	SLV_SX_D	Min	0.	1.749E-15	14.2841
72	0.50622	SLV_SX_D	Min	0.	7.381E-16	6.0267
72	0.	SLV_DX_U	Max	0.	7.785E-15	63.573
72	0.25311	SLV_DX_U	Max	0.	7.698E-15	62.8585
72	0.50622	SLV_DX_U	Max	0.	7.789E-15	63.5987
72	0.	SLV_DX_U	Min	0.	7.785E-15	63.573
72	0.25311	SLV_DX_U	Min	0.	7.698E-15	62.8585
72	0.50622	SLV_DX_U	Min	0.	7.789E-15	63.5987
72	0.	SLV_SX_U	Max	0.	-3.885E-15	-31.7223
72	0.25311	SLV_SX_U	Max	0.	-6.010E-15	-49.0794
72	0.50622	SLV_SX_U	Max	0.	-7.973E-15	-65.1075
72	0.	SLV_SX_U	Min	0.	-3.885E-15	-31.7223
72	0.25311	SLV_SX_U	Min	0.	-6.010E-15	-49.0794
72	0.50622	SLV_SX_U	Min	0.	-7.973E-15	-65.1075
73	0.	SLE	Max	0.	8.310E-15	67.8527
73	0.25308	SLE	Max	0.	8.369E-15	68.3354
73	0.50617	SLE	Max	0.	8.619E-15	70.3823
73	0.	SLE	Min	0.	8.310E-15	67.8527
73	0.25308	SLE	Min	0.	8.369E-15	68.3354
73	0.50617	SLE	Min	0.	8.619E-15	70.3823
73	0.	SLU	Max	0.	1.080E-14	88.2085
73	0.25308	SLU	Max	0.	1.088E-14	88.836
73	0.50617	SLU	Max	0.	1.121E-14	91.4969
73	0.	SLU	Min	0.	1.080E-14	88.2085
73	0.25308	SLU	Min	0.	1.088E-14	88.836
73	0.50617	SLU	Min	0.	1.121E-14	91.4969
73	0.	SLV_DX_D	Max	0.	9.969E-15	81.406
73	0.25308	SLV_DX_D	Max	0.	9.791E-15	79.9512
73	0.50617	SLV_DX_D	Max	0.	9.837E-15	80.3267
73	0.	SLV_DX_D	Min	0.	9.969E-15	81.406
73	0.25308	SLV_DX_D	Min	0.	9.791E-15	79.9512
73	0.50617	SLV_DX_D	Min	0.	9.837E-15	80.3267
73	0.	SLV_SX_D	Max	0.	7.381E-16	6.0267
73	0.25308	SLV_SX_D	Max	0.	-7.192E-16	-5.8727
73	0.50617	SLV_SX_D	Max	0.	-1.972E-15	-16.1032
73	0.	SLV_SX_D	Min	0.	7.381E-16	6.0267
73	0.25308	SLV_SX_D	Min	0.	-7.192E-16	-5.8727
73	0.50617	SLV_SX_D	Min	0.	-1.972E-15	-16.1032
73	0.	SLV_DX_U	Max	0.	7.789E-15	63.5987
73	0.25308	SLV_DX_U	Max	0.	7.406E-15	60.4708
73	0.50617	SLV_DX_U	Max	0.	7.201E-15	58.8024

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
73	0.	SLV_DX_U	Min	0.	7.789E-15	63.5987
73	0.25308	SLV_DX_U	Min	0.	7.406E-15	60.4708
73	0.50617	SLV_DX_U	Min	0.	7.201E-15	58.8024
73	0.	SLV_SX_U	Max	0.	-7.973E-15	-65.1075
73	0.25308	SLV_SX_U	Max	0.	-1.044E-14	-85.2143
73	0.50617	SLV_SX_U	Max	0.	-1.274E-14	-104.0228
73	0.	SLV_SX_U	Min	0.	-7.973E-15	-65.1075
73	0.25308	SLV_SX_U	Min	0.	-1.044E-14	-85.2143
73	0.50617	SLV_SX_U	Min	0.	-1.274E-14	-104.0228
74	0.	SLE	Max	0.	8.619E-15	70.3823
74	0.25312	SLE	Max	0.	8.597E-15	70.1996
74	0.50624	SLE	Max	0.	8.764E-15	71.5636
74	0.	SLE	Min	0.	8.619E-15	70.3823
74	0.25312	SLE	Min	0.	8.597E-15	70.1996
74	0.50624	SLE	Min	0.	8.764E-15	71.5636
74	0.	SLU	Max	0.	1.121E-14	91.4969
74	0.25312	SLU	Max	0.	1.118E-14	91.2594
74	0.50624	SLU	Max	0.	1.139E-14	93.0327
74	0.	SLU	Min	0.	1.121E-14	91.4969
74	0.25312	SLU	Min	0.	1.118E-14	91.2594
74	0.50624	SLU	Min	0.	1.139E-14	93.0327
74	0.	SLV_DX_D	Max	0.	9.837E-15	80.3267
74	0.25312	SLV_DX_D	Max	0.	9.429E-15	76.9911
74	0.50624	SLV_DX_D	Max	0.	9.244E-15	75.4838
74	0.	SLV_DX_D	Min	0.	9.837E-15	80.3267
74	0.25312	SLV_DX_D	Min	0.	9.429E-15	76.9911
74	0.50624	SLV_DX_D	Min	0.	9.244E-15	75.4838
74	0.	SLV_SX_D	Max	0.	-1.972E-15	-16.1032
74	0.25312	SLV_SX_D	Max	0.	-3.702E-15	-30.2297
74	0.50624	SLV_SX_D	Max	0.	-5.232E-15	-42.7243
74	0.	SLV_SX_D	Min	0.	-1.972E-15	-16.1032
74	0.25312	SLV_SX_D	Min	0.	-3.702E-15	-30.2297
74	0.50624	SLV_SX_D	Min	0.	-5.232E-15	-42.7243
74	0.	SLV_DX_U	Max	0.	7.201E-15	58.8024
74	0.25312	SLV_DX_U	Max	0.	6.493E-15	53.0232
74	0.50624	SLV_DX_U	Max	0.	5.965E-15	48.7056
74	0.	SLV_DX_U	Min	0.	7.201E-15	58.8024
74	0.25312	SLV_DX_U	Min	0.	6.493E-15	53.0232
74	0.50624	SLV_DX_U	Min	0.	5.965E-15	48.7056
74	0.	SLV_SX_U	Max	0.	-1.274E-14	-104.0228
74	0.25312	SLV_SX_U	Max	0.	-1.553E-14	-126.7735
74	0.50624	SLV_SX_U	Max	0.	-1.816E-14	-148.259
74	0.	SLV_SX_U	Min	0.	-1.274E-14	-104.0228
74	0.25312	SLV_SX_U	Min	0.	-1.553E-14	-126.7735
74	0.50624	SLV_SX_U	Min	0.	-1.816E-14	-148.259
75	0.	SLE	Max	0.	8.764E-15	71.5636
75	0.25306	SLE	Max	0.	8.590E-15	70.1397
75	0.50613	SLE	Max	0.	8.602E-15	70.2404
75	0.	SLE	Min	0.	8.764E-15	71.5636
75	0.25306	SLE	Min	0.	8.590E-15	70.1397
75	0.50613	SLE	Min	0.	8.602E-15	70.2404
75	0.	SLU	Max	0.	1.139E-14	93.0327
75	0.25306	SLU	Max	0.	1.117E-14	91.1816
75	0.50613	SLU	Max	0.	1.118E-14	91.3126

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
75	0.	SLU	Min	0.	1.139E-14	93.0327
75	0.25306	SLU	Min	0.	1.117E-14	91.1816
75	0.50613	SLU	Min	0.	1.118E-14	91.3126
75	0.	SLV_DX_D	Max	0.	9.244E-15	75.4838
75	0.25306	SLV_DX_D	Max	0.	8.540E-15	69.7368
75	0.50613	SLV_DX_D	Max	0.	8.059E-15	65.8106
75	0.	SLV_DX_D	Min	0.	9.244E-15	75.4838
75	0.25306	SLV_DX_D	Min	0.	8.540E-15	69.7368
75	0.50613	SLV_DX_D	Min	0.	8.059E-15	65.8106
75	0.	SLV_SX_D	Max	0.	-5.232E-15	-42.7243
75	0.25306	SLV_SX_D	Max	0.	-7.262E-15	-59.296
75	0.50613	SLV_SX_D	Max	0.	-9.096E-15	-74.2781
75	0.	SLV_SX_D	Min	0.	-5.232E-15	-42.7243
75	0.25306	SLV_SX_D	Min	0.	-7.262E-15	-59.296
75	0.50613	SLV_SX_D	Min	0.	-9.096E-15	-74.2781
75	0.	SLV_DX_U	Max	0.	5.965E-15	48.7056
75	0.25306	SLV_DX_U	Max	0.	4.895E-15	39.9676
75	0.50613	SLV_DX_U	Max	0.	4.003E-15	32.6889
75	0.	SLV_DX_U	Min	0.	5.965E-15	48.7056
75	0.25306	SLV_DX_U	Min	0.	4.895E-15	39.9676
75	0.50613	SLV_DX_U	Min	0.	4.003E-15	32.6889
75	0.	SLV_SX_U	Max	0.	-1.816E-14	-148.259
75	0.25306	SLV_SX_U	Max	0.	-2.122E-14	-173.3087
75	0.50613	SLV_SX_U	Max	0.	-2.414E-14	-197.13
75	0.	SLV_SX_U	Min	0.	-1.816E-14	-148.259
75	0.25306	SLV_SX_U	Min	0.	-2.122E-14	-173.3087
75	0.50613	SLV_SX_U	Min	0.	-2.414E-14	-197.13
76	0.	SLE	Max	0.	8.602E-15	70.2404
76	0.25311	SLE	Max	0.	8.189E-15	66.8689
76	0.50622	SLE	Max	0.	7.960E-15	64.9976
76	0.	SLE	Min	0.	8.602E-15	70.2404
76	0.25311	SLE	Min	0.	8.189E-15	66.8689
76	0.50622	SLE	Min	0.	7.960E-15	64.9976
76	0.	SLU	Max	0.	1.118E-14	91.3126
76	0.25311	SLU	Max	0.	1.065E-14	86.9296
76	0.50622	SLU	Max	0.	1.035E-14	84.4969
76	0.	SLU	Min	0.	1.118E-14	91.3126
76	0.25311	SLU	Min	0.	1.065E-14	86.9296
76	0.50622	SLU	Min	0.	1.035E-14	84.4969
76	0.	SLV_DX_D	Max	0.	8.059E-15	65.8106
76	0.25311	SLV_DX_D	Max	0.	6.978E-15	56.9837
76	0.50622	SLV_DX_D	Max	0.	6.119E-15	49.9673
76	0.	SLV_DX_D	Min	0.	8.059E-15	65.8106
76	0.25311	SLV_DX_D	Min	0.	6.978E-15	56.9837
76	0.50622	SLV_DX_D	Min	0.	6.119E-15	49.9673
76	0.	SLV_SX_D	Max	0.	-9.096E-15	-74.2781
76	0.25311	SLV_SX_D	Max	0.	-1.144E-14	-93.4427
76	0.50622	SLV_SX_D	Max	0.	-1.360E-14	-111.062
76	0.	SLV_SX_D	Min	0.	-9.096E-15	-74.2781
76	0.25311	SLV_SX_D	Min	0.	-1.144E-14	-93.4427
76	0.50622	SLV_SX_D	Min	0.	-1.360E-14	-111.062
76	0.	SLV_DX_U	Max	0.	4.003E-15	32.6889
76	0.25311	SLV_DX_U	Max	0.	2.522E-15	20.5956
76	0.50622	SLV_DX_U	Max	0.	1.219E-15	9.9572

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
76	0.	SLV_DX_U	Min	0.	4.003E-15	32.6889
76	0.25311	SLV_DX_U	Min	0.	2.522E-15	20.5956
76	0.50622	SLV_DX_U	Min	0.	1.219E-15	9.9572
76	0.	SLV_SX_U	Max	0.	-2.414E-14	-197.13
76	0.25311	SLV_SX_U	Max	0.	-2.742E-14	-223.8749
76	0.50622	SLV_SX_U	Max	0.	-3.055E-14	-249.43
76	0.	SLV_SX_U	Min	0.	-2.414E-14	-197.13
76	0.25311	SLV_SX_U	Min	0.	-2.742E-14	-223.8749
76	0.50622	SLV_SX_U	Min	0.	-3.055E-14	-249.43
77	0.	SLE	Max	0.	7.960E-15	64.9976
77	0.25314	SLE	Max	0.	7.208E-15	58.8598
77	0.50628	SLE	Max	0.	6.637E-15	54.1942
77	0.	SLE	Min	0.	7.960E-15	64.9976
77	0.25314	SLE	Min	0.	7.208E-15	58.8598
77	0.50628	SLE	Min	0.	6.637E-15	54.1942
77	0.	SLU	Max	0.	1.035E-14	84.4969
77	0.25314	SLU	Max	0.	9.371E-15	76.5177
77	0.50628	SLU	Max	0.	8.628E-15	70.4524
77	0.	SLU	Min	0.	1.035E-14	84.4969
77	0.25314	SLU	Min	0.	9.371E-15	76.5177
77	0.50628	SLU	Min	0.	8.628E-15	70.4524
77	0.	SLV_DX_D	Max	0.	6.119E-15	49.9673
77	0.25314	SLV_DX_D	Max	0.	4.568E-15	37.2983
77	0.50628	SLV_DX_D	Max	0.	3.236E-15	26.4253
77	0.	SLV_DX_D	Min	0.	6.119E-15	49.9673
77	0.25314	SLV_DX_D	Min	0.	4.568E-15	37.2983
77	0.50628	SLV_DX_D	Min	0.	3.236E-15	26.4253
77	0.	SLV_SX_D	Max	0.	-1.360E-14	-111.062
77	0.25314	SLV_SX_D	Max	0.	-1.626E-14	-132.8008
77	0.50628	SLV_SX_D	Max	0.	-1.874E-14	-153.0423
77	0.	SLV_SX_D	Min	0.	-1.360E-14	-111.062
77	0.25314	SLV_SX_D	Min	0.	-1.626E-14	-132.8008
77	0.50628	SLV_SX_D	Min	0.	-1.874E-14	-153.0423
77	0.	SLV_DX_U	Max	0.	1.219E-15	9.9572
77	0.25314	SLV_DX_U	Max	0.	-7.246E-16	-5.917
77	0.50628	SLV_DX_U	Max	0.	-2.491E-15	-20.344
77	0.	SLV_DX_U	Min	0.	1.219E-15	9.9572
77	0.25314	SLV_DX_U	Min	0.	-7.246E-16	-5.917
77	0.50628	SLV_DX_U	Min	0.	-2.491E-15	-20.344
77	0.	SLV_SX_U	Max	0.	-3.055E-14	-249.43
77	0.25314	SLV_SX_U	Max	0.	-3.391E-14	-276.8704
77	0.50628	SLV_SX_U	Max	0.	-3.713E-14	-303.1624
77	0.	SLV_SX_U	Min	0.	-3.055E-14	-249.43
77	0.25314	SLV_SX_U	Min	0.	-3.391E-14	-276.8704
77	0.50628	SLV_SX_U	Min	0.	-3.713E-14	-303.1624
78	0.	SLE	Max	0.	6.637E-15	54.1942
78	0.25309	SLE	Max	0.	5.434E-15	44.3748
78	0.50619	SLE	Max	0.	4.408E-15	35.9954
78	0.	SLE	Min	0.	6.637E-15	54.1942
78	0.25309	SLE	Min	0.	5.434E-15	44.3748
78	0.50619	SLE	Min	0.	4.408E-15	35.9954
78	0.	SLU	Max	0.	8.628E-15	70.4524
78	0.25309	SLU	Max	0.	7.065E-15	57.6872
78	0.50619	SLU	Max	0.	5.731E-15	46.794

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
78	0.	SLU	Min	0.	8.628E-15	70.4524
78	0.25309	SLU	Min	0.	7.065E-15	57.6872
78	0.50619	SLU	Min	0.	5.731E-15	46.794
78	0.	SLV_DX_D	Max	0.	3.236E-15	26.4253
78	0.25309	SLV_DX_D	Max	0.	1.114E-15	9.095
78	0.50619	SLV_DX_D	Max	0.	-7.910E-16	-6.4589
78	0.	SLV_DX_D	Min	0.	3.236E-15	26.4253
78	0.25309	SLV_DX_D	Min	0.	1.114E-15	9.095
78	0.50619	SLV_DX_D	Min	0.	-7.910E-16	-6.4589
78	0.	SLV_SX_D	Max	0.	-1.874E-14	-153.0423
78	0.25309	SLV_SX_D	Max	0.	-2.169E-14	-177.0999
78	0.50619	SLV_SX_D	Max	0.	-2.446E-14	-199.7128
78	0.	SLV_SX_D	Min	0.	-1.874E-14	-153.0423
78	0.25309	SLV_SX_D	Min	0.	-2.169E-14	-177.0999
78	0.50619	SLV_SX_D	Min	0.	-2.446E-14	-199.7128
78	0.	SLV_DX_U	Max	0.	-2.491E-15	-20.344
78	0.25309	SLV_DX_U	Max	0.	-4.948E-15	-40.4056
78	0.50619	SLV_DX_U	Max	0.	-7.229E-15	-59.0321
78	0.	SLV_DX_U	Min	0.	-2.491E-15	-20.344
78	0.25309	SLV_DX_U	Min	0.	-4.948E-15	-40.4056
78	0.50619	SLV_DX_U	Min	0.	-7.229E-15	-59.0321
78	0.	SLV_SX_U	Max	0.	-3.713E-14	-303.1624
78	0.25309	SLV_SX_U	Max	0.	-4.039E-14	-329.8089
78	0.50619	SLV_SX_U	Max	0.	-4.352E-14	-355.3519
78	0.	SLV_SX_U	Min	0.	-3.713E-14	-303.1624
78	0.25309	SLV_SX_U	Min	0.	-4.039E-14	-329.8089
78	0.50619	SLV_SX_U	Min	0.	-4.352E-14	-355.3519
79	0.	SLE	Max	0.	4.408E-15	35.9954
79	0.25311	SLE	Max	0.	2.631E-15	21.48
79	0.50622	SLE	Max	0.	1.025E-15	8.37
79	0.	SLE	Min	0.	4.408E-15	35.9954
79	0.25311	SLE	Min	0.	2.631E-15	21.48
79	0.50622	SLE	Min	0.	1.025E-15	8.37
79	0.	SLU	Max	0.	5.731E-15	46.794
79	0.25311	SLU	Max	0.	3.420E-15	27.924
79	0.50622	SLU	Max	0.	1.333E-15	10.881
79	0.	SLU	Min	0.	5.731E-15	46.794
79	0.25311	SLU	Min	0.	3.420E-15	27.924
79	0.50622	SLU	Min	0.	1.333E-15	10.881
79	0.	SLV_DX_D	Max	0.	-7.910E-16	-6.4589
79	0.25311	SLV_DX_D	Max	0.	-3.591E-15	-29.3199
79	0.50622	SLV_DX_D	Max	0.	-6.176E-15	-50.4271
79	0.	SLV_DX_D	Min	0.	-7.910E-16	-6.4589
79	0.25311	SLV_DX_D	Min	0.	-3.591E-15	-29.3199
79	0.50622	SLV_DX_D	Min	0.	-6.176E-15	-50.4271
79	0.	SLV_SX_D	Max	0.	-2.446E-14	-199.7128
79	0.25311	SLV_SX_D	Max	0.	-2.762E-14	-225.5644
79	0.50622	SLV_SX_D	Max	0.	-3.062E-14	-250.0261
79	0.	SLV_SX_D	Min	0.	-2.446E-14	-199.7128
79	0.25311	SLV_SX_D	Min	0.	-2.762E-14	-225.5644
79	0.50622	SLV_SX_D	Min	0.	-3.062E-14	-250.0261
79	0.	SLV_DX_U	Max	0.	-7.229E-15	-59.0321
79	0.25311	SLV_DX_U	Max	0.	-1.024E-14	-83.6532
79	0.50622	SLV_DX_U	Max	0.	-1.309E-14	-106.8538

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
79	0.	SLV_DX_U	Min	0.	-7.229E-15	-59.0321
79	0.25311	SLV_DX_U	Min	0.	-1.024E-14	-83.6532
79	0.50622	SLV_DX_U	Min	0.	-1.309E-14	-106.8538
79	0.	SLV_SX_U	Max	0.	-4.352E-14	-355.3519
79	0.25311	SLV_SX_U	Max	0.	-4.644E-14	-379.1782
79	0.50622	SLV_SX_U	Max	0.	-4.922E-14	-401.9476
79	0.	SLV_SX_U	Min	0.	-4.352E-14	-355.3519
79	0.25311	SLV_SX_U	Min	0.	-4.644E-14	-379.1782
79	0.50622	SLV_SX_U	Min	0.	-4.922E-14	-401.9476
80	0.	SLE	Max	0.	4.051E-15	8.37
80	0.40188	SLE	Max	0.	-3.150E-15	-56.8082
80	0.80377	SLE	Max	0.	-9.724E-15	-116.8608
80	0.	SLE	Min	0.	4.051E-15	8.37
80	0.40188	SLE	Min	0.	-3.150E-15	-56.8082
80	0.80377	SLE	Min	0.	-9.724E-15	-116.8608
80	0.	SLU	Max	0.	5.267E-15	10.881
80	0.40188	SLU	Max	0.	-4.095E-15	-73.8506
80	0.80377	SLU	Max	0.	-1.264E-14	-151.919
80	0.	SLU	Min	0.	5.267E-15	10.881
80	0.40188	SLU	Min	0.	-4.095E-15	-73.8506
80	0.80377	SLU	Min	0.	-1.264E-14	-151.919
80	0.	SLV_DX_D	Max	0.	1.628E-15	-50.4271
80	0.40188	SLV_DX_D	Max	0.	-7.134E-15	-129.7103
80	0.80377	SLV_DX_D	Max	0.	-1.510E-14	-202.4966
80	0.	SLV_DX_D	Min	0.	1.628E-15	-50.4271
80	0.40188	SLV_DX_D	Min	0.	-7.134E-15	-129.7103
80	0.80377	SLV_DX_D	Min	0.	-1.510E-14	-202.4966
80	0.	SLV_SX_D	Max	0.	-9.111E-15	-250.0261
80	0.40188	SLV_SX_D	Max	0.	-1.809E-14	-331.4092
80	0.80377	SLV_SX_D	Max	0.	-2.647E-14	-407.8234
80	0.	SLV_SX_D	Min	0.	-9.111E-15	-250.0261
80	0.40188	SLV_SX_D	Min	0.	-1.809E-14	-331.4092
80	0.80377	SLV_SX_D	Min	0.	-2.647E-14	-407.8234
80	0.	SLV_DX_U	Max	0.	-2.151E-15	-106.8538
80	0.40188	SLV_DX_U	Max	0.	-9.492E-15	-173.2941
80	0.80377	SLV_DX_U	Max	0.	-1.619E-14	-234.4523
80	0.	SLV_DX_U	Min	0.	-2.151E-15	-106.8538
80	0.40188	SLV_DX_U	Min	0.	-9.492E-15	-173.2941
80	0.80377	SLV_DX_U	Min	0.	-1.619E-14	-234.4523
80	0.	SLV_SX_U	Max	0.	-1.837E-14	-401.9476
80	0.40188	SLV_SX_U	Max	0.	-2.537E-14	-465.3682
80	0.80377	SLV_SX_U	Max	0.	-3.191E-14	-525.0347
80	0.	SLV_SX_U	Min	0.	-1.837E-14	-401.9476
80	0.40188	SLV_SX_U	Min	0.	-2.537E-14	-465.3682
80	0.80377	SLV_SX_U	Min	0.	-3.191E-14	-525.0347
81	0.	SLE	Max	0.	1.476E-15	-116.8608
81	0.40185	SLE	Max	0.	-1.412E-14	-258.3333
81	0.8037	SLE	Max	0.	-2.911E-14	-394.9392
81	0.	SLE	Min	0.	1.476E-15	-116.8608
81	0.40185	SLE	Min	0.	-1.412E-14	-258.3333
81	0.8037	SLE	Min	0.	-2.911E-14	-394.9392
81	0.	SLU	Max	0.	1.919E-15	-151.919
81	0.40185	SLU	Max	0.	-1.835E-14	-335.8333
81	0.8037	SLU	Max	0.	-3.785E-14	-513.4209

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
81	0.	SLU	Min	0.	1.919E-15	-151.919
81	0.40185	SLU	Min	0.	-1.835E-14	-335.8333
81	0.8037	SLU	Min	0.	-3.785E-14	-513.4209
81	0.	SLV_DX_D	Max	0.	-2.637E-15	-202.4966
81	0.40185	SLV_DX_D	Max	0.	-1.934E-14	-353.9489
81	0.8037	SLV_DX_D	Max	0.	-3.526E-14	-499.1044
81	0.	SLV_DX_D	Min	0.	-2.637E-15	-202.4966
81	0.40185	SLV_DX_D	Min	0.	-1.934E-14	-353.9489
81	0.8037	SLV_DX_D	Min	0.	-3.526E-14	-499.1044
81	0.	SLV_SX_D	Max	0.	-1.416E-14	-407.8234
81	0.40185	SLV_SX_D	Max	0.	-3.014E-14	-552.8305
81	0.8037	SLV_SX_D	Max	0.	-4.556E-14	-693.2475
81	0.	SLV_SX_D	Min	0.	-1.416E-14	-407.8234
81	0.40185	SLV_SX_D	Min	0.	-3.014E-14	-552.8305
81	0.8037	SLV_SX_D	Min	0.	-4.556E-14	-693.2475
81	0.	SLV_DX_U	Max	0.	-6.940E-15	-234.4523
81	0.40185	SLV_DX_U	Max	0.	-1.855E-14	-339.6697
81	0.8037	SLV_DX_U	Max	0.	-2.952E-14	-439.7438
81	0.	SLV_DX_U	Min	0.	-6.940E-15	-234.4523
81	0.40185	SLV_DX_U	Min	0.	-1.855E-14	-339.6697
81	0.8037	SLV_DX_U	Min	0.	-2.952E-14	-439.7438
81	0.	SLV_SX_U	Max	0.	-2.328E-14	-525.0347
81	0.40185	SLV_SX_U	Max	0.	-3.382E-14	-620.6426
81	0.8037	SLV_SX_U	Max	0.	-4.394E-14	-712.8139
81	0.	SLV_SX_U	Min	0.	-2.328E-14	-525.0347
81	0.40185	SLV_SX_U	Min	0.	-3.382E-14	-620.6426
81	0.8037	SLV_SX_U	Min	0.	-4.394E-14	-712.8139
82	0.	SLE	Max	0.	-2.365E-14	-385.9345
82	0.27332	SLE	Max	0.	-1.868E-14	-343.1396
82	0.54664	SLE	Max	0.	-1.366E-14	-299.8842
82	0.	SLE	Min	0.	-2.365E-14	-385.9345
82	0.27332	SLE	Min	0.	-1.868E-14	-343.1396
82	0.54664	SLE	Min	0.	-1.366E-14	-299.8842
82	0.	SLU	Max	0.	-3.074E-14	-501.7148
82	0.27332	SLU	Max	0.	-2.429E-14	-446.0815
82	0.54664	SLU	Max	0.	-1.776E-14	-389.8494
82	0.	SLU	Min	0.	-3.074E-14	-501.7148
82	0.27332	SLU	Min	0.	-2.429E-14	-446.0815
82	0.54664	SLU	Min	0.	-1.776E-14	-389.8494
82	0.	SLV_DX_D	Max	0.	-3.162E-14	-495.6642
82	0.27332	SLV_DX_D	Max	0.	-2.290E-14	-420.4745
82	0.54664	SLV_DX_D	Max	0.	-1.403E-14	-344.1149
82	0.	SLV_DX_D	Min	0.	-3.162E-14	-495.6642
82	0.27332	SLV_DX_D	Min	0.	-2.290E-14	-420.4745
82	0.54664	SLV_DX_D	Min	0.	-1.403E-14	-344.1149
82	0.	SLV_SX_D	Max	0.	-4.275E-14	-707.7948
82	0.27332	SLV_SX_D	Max	0.	-3.470E-14	-638.5344
82	0.54664	SLV_SX_D	Max	0.	-2.726E-14	-574.2834
82	0.	SLV_SX_D	Min	0.	-4.275E-14	-707.7948
82	0.27332	SLV_SX_D	Min	0.	-3.470E-14	-638.5344
82	0.54664	SLV_SX_D	Min	0.	-2.726E-14	-574.2834
82	0.	SLV_DX_U	Max	0.	-2.946E-14	-445.2496
82	0.27332	SLV_DX_U	Max	0.	-1.964E-14	-360.6377
82	0.54664	SLV_DX_U	Max	0.	-9.694E-15	-274.965

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

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
82	0.	SLV_DX_U	Min	0.	-2.946E-14	-445.2496
82	0.27332	SLV_DX_U	Min	0.	-1.964E-14	-360.6377
82	0.54664	SLV_DX_U	Min	0.	-9.694E-15	-274.965
82	0.	SLV_SX_U	Max	0.	-4.592E-14	-744.992
82	0.27332	SLV_SX_U	Max	0.	-3.572E-14	-657.2477
82	0.54664	SLV_SX_U	Max	0.	-2.614E-14	-574.6219
82	0.	SLV_SX_U	Min	0.	-4.592E-14	-744.992
82	0.27332	SLV_SX_U	Min	0.	-3.572E-14	-657.2477
82	0.54664	SLV_SX_U	Min	0.	-2.614E-14	-574.6219

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	TotalWeight
			m	KN
C090	Frame	46	22.57448	507.776
C100	Frame	22	11.13655	278.331
C092	Frame	2	0.90189	20.737
C096	Frame	2	0.90225	21.648
C105	Frame	2	0.90199	23.67
C115	Frame	2	0.90191	25.922
C150	Frame	6	4.30822	161.51