COMMITTENTE:

RFI RETE FERROVIARIA ITALIANA
GRUPPO FERROVIE DELLO STATO ITALIANE
DIREZIONE INVESTIMENTI
DIREZIONE PROGRAMMI INVESTIMENTI
DIRETTRICE SUD - PROGETTO ADRIATICA

PROGETTAZIONE:

ITALFERR
GRUPPO FERROVIE DELLO STATO ITALIANE

DIREZIONE TECNICA

U.O. GALLERIE

PROGETTO DEFINITIVO

Nuova linea Ferrandina - Matera La Martella per il collegamento di Matera con la rete ferroviaria nazionale

NUOVA LINEA FERRANDINA - MATERA LA MARTELLA

GALLERIA MIGLIONICO
Relazione geotecnica e di calcolo delle opere di imbocco

SCALA: -

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
IA5F	01	D	07	RH	GN0100	002	A

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	EMISSIONE ESECUTIVA	A.DUZI NULLI	Luglio 2019	M.RICCI	Luglio 2019	F.GERNONE	Luglio 2019	A.SCIOTTI Luglio 2019

ITALFERR S.p.A. U.O. GALLERIE Dott. Ing. Alessandra Sciotti Ordine degli Ingegneri di Roma n° 19846

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INDICE

1 PREMESSA

Nel presente documento vengono analizzate le tematiche progettuali e gli aspetti tecnici relativi al progetto definitivo delle opere in sotterraneo della nuova linea Ferrandina – Matera La Martella, per il collegamento di Matera con la rete ferroviaria nazionale. In particolare, si fa riferimento agli interventi di risanamento e messa in sicurezza della esistente Galleria Miglionico, lunga oltre 6 km, nonché della realizzazione di un'uscita/accesso intermedio, costituito da una finestra carrabile, denominata finestra Miglionico, lunga circa 600 m e destinata all'esodo dei passeggeri e all'accesso dei mezzi di soccorso.

La Galleria Miglionico è stata già oggetto da parte di Italferr di una progettazione esecutiva degli interventi di ripristino, conclusasi nel 2006. Gran parte delle informazioni desunte all'epoca, così come buona parte delle scelte progettuali effettuate, sono state considerate un utile riferimento per la presente fase di progettazione.

2 SCOPO E CONTENUTI DEL DOCUMENTO

Nella presente relazione si affrontano le problematiche progettuali connesse alla realizzazione delle opere di imbocco della galleria Miglionico, nell'ambito del progetto definitivo della Linea Ferrandina-Matera. Per l'inquadramento generale delle opere in sotterraneo si rimanda al documento "Relazione tecnica delle opere in sotterraneo" (Rif. [3]). In questo documento sono illustrate le soluzioni progettuali adottate e le verifiche strutturali delle gallerie artificiali.

3 NORMATIVA DI RIFERIMENTO

3.1 Leggi e normative cogenti

Rif. [1] Decreto Ministero delle Infrastrutture e Trasporti 17/01/2018, "Aggiornamento delle Nuove norme tecniche per le costruzioni";

Rif. [2] C.S.LL.PP., Circolare n°7 del 19/01/2019, "Istruzioni per l'applicazione dell'"Aggiornamento delle "Norme tecniche per le costruzioni" di cui al DM 17/01/2018";

Rif. [3] Decreto Ministeriale 28/10/2005. "Sicurezza nelle gallerie ferroviarie";

3.2 Normative non cogenti e raccomandazioni

Rif. [4] SIG, "Linee guida per la progettazione, l'appalto e la costruzione di opere in sotterraneo", 1997;

Rif. [5] ITA, "Guidelines for the design of tunnels", 1988;

Rif. [6] AGI, "Raccomandazioni sulla programmazione ed esecuzione delle indagini geotecniche", 1977;

Rif. [7] Cotecchia V., Fidelibus M.D., Guerricchio A., Tulipano L. "Valutazione del rischio di venute d'acqua nella realizzazione della galleria ferroviaria attraversante il rilievo argilloso di Miglionico", Geol. Appl. Idrogeol., Vol. XXXI, Bari, 1996;

Rif. [8] Cotecchia V. e Tafuni N. "Galleria "Miglionico in argille azzurre: metodologie costruttive e di monitoraggio strutturale e geotecnico", Gallerie e Grandi Opere Sotterranee, Marzo 1997.

3.3 Prescrizioni e specifiche tecniche (RFI, ITF)

Rif. [9] RFI, doc RFI DTC SI MA IFS 001 C "Manuale di Progettazione delle opere civili" (21/12/2018);

Rif. [10] RFI, doc RFI DTC SI SP IFS 001 C "Capitolato generale tecnico di Appalto delle opere civili" (21/12/2018);

Rif. [11] ITALFERR, Specifica Tecnica PPA.0002403 “Linee guida per la progettazione geotecnica delle gallerie naturali” (Dic 2015).

4 DOCUMENTI DI RIFERIMENTO

4.1 Documenti Referenziati

Come input per il presente documento sono stati utilizzati gli elaborati di progetto relativi alle precedenti fasi progettuali:

Rif. [12] ITALFERR, Progetto Esecutivo (2006);

Rif. [13] ITALFERR, Progetto Preliminare (2018).

Nel presente documento si fa inoltre riferimento ai seguenti elaborati allegati al progetto:

Rif. [14] Italferr, documento IA5F00F13ROMD0000001A “Dossier dati e requisiti di base” datato Agosto 2017;

Rif. [15] U.O. Geologia, Gestione Terre e Bonifiche, Elaborati Specialistici;

Rif. [16] U.O. Infrastrutture Sud, Elaborati Specialistici.

4.2 Documenti Correlati

Rif. [17] Lunardi P. (2006). Progetto e Costruzione di Gallerie: Analisi delle deformazioni controllate nelle rocce e nei suoli - ADECO-RS – (Hoepli Ed.);

Rif. [18] Bernaud D., Benamar I., Rousset G. (1994). La “nouvelle méthode implicite” pour le calcul des tunnel dans les milieux élastoplastiques et viscoplastiques – Revue Francaise de Géotechnique, N° 68.

Rif. [19] Bernaud D., Rousset G. (1992). La « nouvelle méthode implicite » pour l’étude du dimensionnement des tunnels – Revue Francaise de Géotechnique, N° 60.

Rif. [20] Peck R.B. (1969). Deep excavations and tunnelling in soft ground. SOA Report 7th Int. Conf. SMFE Mexico City, State of the Art Volume.

4.3 Documenti Superati

Non sono presenti documenti superati.

5 ALLEGATI

Il documento è corredato dai seguenti allegati:

All. [1] Risultati delle analisi di verifica della Nuova Galleria Artificiale

6 DOCUMENTI PRODOTTI A SUPPORTO

I contenuti della presente relazione sono completati dai seguenti elaborati di progetto:

Rif. [21] U.O. Gallerie, documento IA5F01D07RHGN0000001A "Relazione tecnica delle opere in sotterraneo", datato Luglio 2019;

Rif. [22] U.O. Gallerie, documento IA5F01D07SPGN0000001A "Caratteristiche dei materiali - Note generali ", datato Luglio 2019;

Rif. [23] U.O. Gallerie, documento IA5F01D07WBGN0100001A "Tratte a singolo binario - Sezioni tipo di intradosso", datato Luglio 2019;

Rif. [24] U.O. Gallerie, documento IA5F01D07WBGN0100003A "Tratte artificiali di nuova realizzazione - Sezioni tipo di intradosso", datato Luglio 2019;

Rif. [25] U.O. Gallerie, documento IA5F01D07RHGN0100001A "Galleria Miglionico - Relazione geotecnica e di calcolo della galleria naturale", datato Luglio 2019;

Rif. [26] U.O. Gallerie, documento IA5F01D07F5GN0100001A "Galleria Miglionico - Profilo geotecnico", datato Luglio 2019;

Rif. [27] U.O. Gallerie, documento IA5F01D07L9GA0100001A "Sistemazione finale - Planimetria e profilo", datato Luglio 2019;

Rif. [28] U.O. Gallerie, documento IA5F01D07W9GA0100001A "Sistemazione finale - Sezioni trasversali", datato Luglio 2019;

Rif. [29] U.O. Gallerie, documento IA5F01D07BBGA0100001A "Portale d'imbocco - Carpenteria", datato Luglio 2019;

Rif. [30] U.O. Gallerie, documento IA5F01D07BBGA0100002A "Nuova Galleria artificiale - Carpenteria", datato Luglio 2019;

Rif. [31] U.O. Gallerie, documento IA5F01D07BBGA0100003A "Galleria artificiale esistente - Carpenteria", datato Luglio 2019;

Rif. [32] U.O. Gallerie, documento IA5F01D07L9GA0200001A "Sistemazione finale - Planimetria e profilo", datato Luglio 2019;

Rif. [33] U.O. Gallerie, documento IA5F01D07W9GA0200001A "Sistemazione finale - Sezioni trasversali", datato Luglio 2019;

Rif. [34] U.O. Gallerie, documento IA5F01D07BBGA0200001A "Portale d'imbocco - Carpenteria", datato Luglio 2019;

Rif. [35] U.O. Gallerie, documento IA5F01D07BBGA0200002A "Nuova Galleria artificiale - Carpenteria", datato Luglio 2019;

Rif. [36] U.O. Gallerie, documento IA5F01D07BBGA0200003A "Galleria artificiale esistente - Carpenteria", datato Luglio 2019.

7 DESCRIZIONE DELL'OPERA

7.1 Il tracciato e le opere in sotterraneo

La lunghezza totale del tracciato della linea Ferrandina - Matera La Martella, dalla stazione di Ferrandina (pk 0+000.00) alla stazione di Matera La Martella inclusa (pk 19+543.99), è di circa 20 km e si sviluppa in sotterraneo per una lunghezza complessiva di circa 6.5 km, mediante la galleria naturale esistente denominata Miglionico. Di nuova realizzazione è invece la finestra Miglionico che, innestandosi alla pk 6+245.30, presenta una lunghezza complessiva di 609 m, suddivisi in opere di imbocco (portale e galleria artificiale) di lunghezza complessiva pari a 35.5 m e in galleria naturale di lunghezza complessiva pari a 573.5 m

La massima velocità di tracciato è di 120 km/h; in galleria di linea si ha una pendenza longitudinale massima pari a 12,7 ‰, la massima copertura è pari a 330 m circa e si verifica nell'intorno della progressiva 4+200.

La galleria Miglionico esistente presenta le tratte di imbocco in artificiale scatolare con configurazione a doppio binario, le tratte di galleria naturale a doppio binario con sezione di intradosso policentrica, la tratta centrale di galleria naturale a singolo binario con sezione circolare. In Tabella 1 si sintetizza quanto appena detto.

Tabella 1 Configurazione galleria esistente

Sezione di intradosso		pk	
DB	Artificiale Scatolare	2+390.45	2+438.45
	Naturale Policentrica	2+438.45	3+455.11
SB	Naturale Circolare	3+455.11	7+181.29
DB	Naturale Policentrica	7+181.29	8+708.89
	Artificiale Scatolare	8+708.89	8+853.89

In Tabella 2 si riporta invece la configurazione di progetto che, secondo gli interventi previsti, prevede il prolungamento delle gallerie artificilali, circa 50 m per entrambi gli imbocchi, e la realizzazione di un controanello in calcestruzzo armato (impermeabilizzato full-round), che seguirà la forma circolare o policentrica degli intradossi esistenti delle tratte a singolo o doppio binario esistenti rispettivamente.

Tabella 2 Progressive della galleria Miglionico

		pk	L (m)
Tratto in artificiale lato Ferandina (GA01)	inizio portale	2+345.60	15.80
	inizio GA nuova	2+361.40	29.05
	inizio GA esistente	2+390.45	48.00
Tratto in naturale (GN01)	inizio GN DB	2+438.45	914.85
	inizio GN SB	3+353.30	3981.17
	fine GN SB	7+334.47	
	fine GN DB	8+709.39	1374.92
Tratto in artificiale lato Matera (GA02)	fine GA esistente	8+853.89	144.50
	fine GA nuova	8+888.59	34.70
	fine portale	8+904.39	15.80

Per ulteriori dettagli sulla descrizione del tracciato della galleria di linea e della finestra si rimanda alla "Relazione tecnica delle opere in sotterraneo" (Rif. [21]).

8 FASE CONOSCITIVA

Nella fase conoscitiva si acquisiscono gli elementi necessari alla caratterizzazione e modellazione geologica del sito e alla caratterizzazione e modellazione geotecnica del volume significativo del mezzo interessato dall'opera.

8.1 Inquadramento geologico

Per una dettagliata descrizione del modello geologico si rimanda al documento "Relazione geologica, geomorfologica ed idrogeologica" (Rif. [15]).

8.2 Indagini geotecniche

Per una dettagliata descrizione delle indagini geotecniche eseguite sul sito si rimanda al documento "Relazione geotecnica e di calcolo" (Rif. [25]).

8.3 Caratterizzazione e modellazione geotecnica

Gli imbocchi della galleria naturale Miglionico sono realizzati all'interno di un'unica formazione, per esattezza la formazione delle argille supappennine (ASP), quindi una stratigrafia omogenea da piano campagna sino alla base delle opere di sostegno, con caratteristiche meccaniche che migliorano con l'aumentare della profondità.

I risultati delle indagini geotecniche, in sito e di laboratorio, hanno permesso di definire il modello geotecnico, rappresentativo delle condizioni stratigrafiche e delle caratteristiche fisico-meccaniche dei terreni interessati dalle opere di imbocco. Il modello geotecnico complessivo dell'opera in sotterraneo è rappresentato nell'elaborato "Galleria Miglionico - Profilo Geotecnico" (Rif. [26]).

8.3.1 Definizione dei valori caratteristici dei parametri geotecnici utilizzati nelle analisi

I risultati delle indagini geotecniche, in sito e di laboratorio, hanno permesso di definire il modello geotecnico, rappresentativo delle condizioni stratigrafiche e delle caratteristiche fisico-meccaniche dei terreni interessati dalle opere di imbocco.

I parametri geotecnici caratteristici utilizzati nelle analisi di simulazione e verifiche, in riferimento alla stratigrafia assunta, sono riportati nelle tabelle seguenti:

Tabella 3 Valori caratteristici dei parametri geotecnici utilizzati nelle analisi degli imbocchi

Formazione	γ	c'	φ'	E'
	(kN/m3)	(kPa)	(°)	(MPa)
ASP	20	0	25	40

Dove:

γ = peso di volume naturale

φ' = angolo di resistenza al taglio

c' = coesione drenata

E = modulo di deformazione

8.3.2 Il regime idraulico

Il livello piezometrico utilizzato nei calcoli è posto al di sotto del volume significativo che interessa le opere di imbocco.

8.4 Caratteristiche del sito e definizione dell'azione sismica

Le opere in progetto si trovano nel comune di Ferrandina e di Miglionico, si prendono a riferimento le seguenti coordinate geografiche: Latitudine 40.554112°, Longitudine 16.517664°, in corrispondeza dell'imbocco lato Ferrandina.

Alle strutture delle gallerie artificiali, trattandosi di opere definitive, si attribuisce una vita nominale V_N di 75 anni. Di conseguenza, il periodo di riferimento per la definizione dell'azione sismica, V_R, si assume pari a 112.5 anni (DM 17/01/2018, per opere in classe d'uso III a cui corrisponde un coefficiente Cu pari a 1.5). Con riferimento alla probabilità di superamento dell'azione sismica, P_{VR}, attribuita allo stato limite ultimo di salvaguardia della vita (SLV), nel periodo V_R dell'opera in progetto, si determina il periodo di ritorno T_R del sisma di progetto. Sulla base delle coordinate geografiche del sito e del tempo di ritorno del sisma di progetto, T_R, sopra definito, si ricavano i parametri che caratterizzano il sisma di progetto relativo al sito di riferimento, rigido ed orizzontale (Tabella 1 dell'allegato B del D.M. 17/01/2018):

- a_g: accelerazione orizzontale massima
- F_o: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale
- T^*_C: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale.

Per le opere provvisionali di imbocco il periodo di ritorno si determina con l'espressione:

$$T_R = -\frac{V_R}{\ln(1 - P_{V_R})}$$

Per tenere conto dei fattori locali del sito, l'accelerazione orizzontale massima attesa al sito è valutata con la relazione (DM 17/01/2018):

$$a_{\max} = S_s \cdot S_T \cdot \left(\frac{a_g}{g}\right)$$

dove:

a_g è l'accelerazione orizzontale massima attesa su sito di riferimento rigido.

S_S è il fattore di amplificazione stratigrafica del terreno, funzione della categoria del sottosuolo di fondazione e dei parametri sismici F_0 e a_g/g (Tabella 3.2.V del D.M. 17/01/2018);

S_T è il fattore di amplificazione che tiene conto delle condizioni topografiche, il cui valore dipende dalla categoria topografica e dall'ubicazione dell'opera (Tabella 3.2.VI del D.M. 17/01/2018).

I valori delle grandezze necessarie per la definizione dell'azione sismica per le opere d'imbocco sono riassunti nella seguente tabella:

Tabella 4 Parametri per la definizione dell'azione sismica di progetto

	Strutture di imbocco
Coord. geografiche	40° 55' 41.12" latitudine 16° 51' 76.64" longitudine
$T_{R\,(SLV)}$	1068

a_g/g	0.209
F_0	2.497
Categoria sottosuolo	C
S_S	1.391
Categoria topografica	T1
S_T	1

9 SOLUZIONI PROGETTUALI

Per la realizzazione delle gallerie artificiali oggetto di questa relazione non sono necessarie ulteriori opere di tipo provvisionale rispetto a quelle esistenti. Le soluzioni progettuali adottate sono finalizzate da un lato all'adeguamento della sagoma d'intradosso della galleria scatolare esistente secondo le indicazioni di progetto (sezione d'intradosso a singolo binario) e dall'altro al prolungamento mediante la realizzazione di una nuova tratta in artificiale. Quest'ultima è costituita da un portale d'imbocco a becco di flauto e da una galleria policentrica al fine di predisporre la zona di imbocco al risanamento paesaggistico.

Nel seguito sono illustrate le soluzioni progettuali e le verifiche di dimensionamento sia della nuova tratta di galleria artificiale (costituita dal portale d'imbocco a becco di flauto e dalla galleria policentrica) sia della galleria artificiale esistente.

Il tratto di imbocco lato Ferrandina (imbocco Sud) si estende per una lunghezza di circa 92.85 m ed è composto dai seguenti distinti segmenti:

- Portale d'imbocco sagomato a becco di flauto, di lunghezza pari a 15.80 m a partire dalla progressiva di imbocco posta al km 2+345.60 fino alla progressiva km 2+361.40, caratterizzato da una sezione d'intradosso a singolo binario;
- Nuova galleria artificiale in c.a., di lunghezza pari a 29.05 m e compresa tra le progressive km 2+361.40 e km 2+390.45, costituita da una sezione policentrica a piedritti verticali e caratterizzata da una sezione d'intradosso a singolo binario;
- Galleria artificiale esistente in c.a., di lunghezza pari a 48.00 m e compresa tra le progressive km 2+390.45 e km 2+438.45, attualmente si presenta con una sezione a scatolare. L'intervento previsto riguarda l'adeguamento alla nuova sagoma d'intradosso della configurazione a singolo binario.

Il tratto di imbocco lato Matera (imbocco Nord) si estende per una lunghezza di circa 195.00 m ed è composto dalle stesse strutture dell'altro imbocco, di seguito le pk:

- Galleria artificiale esistente, di lunghezza pari a 144.50 m e compresa tra le progressive km 8+709.39 e km 8+853.89;
- Nuova galleria artificiale in c.a., di lunghezza pari a 34.70 m e compresa tra le progressive km 8+853.89 e km 8+888.59;
- Portale d'imbocco, di lunghezza pari a 15.80 m a partire dalla progressiva km 8+888.59 fino alla progressiva di imbocco km 8+904.39.

Il portale d'imbocco, Figura 1, presenta una tipica configurazione a becco di flauto con pendenza di circa 28° sull'orizzontale e con sezione policentrica caratterizzata da uno spessore in calotta di 0.70 m, nonché spessore minimo dei piedritti anch'esso di 0.70 m. Il solettone di fondo (arco rovescio piatto) è caratterizzato anch'esso da uno spessore minimo pari a 0.70 m.

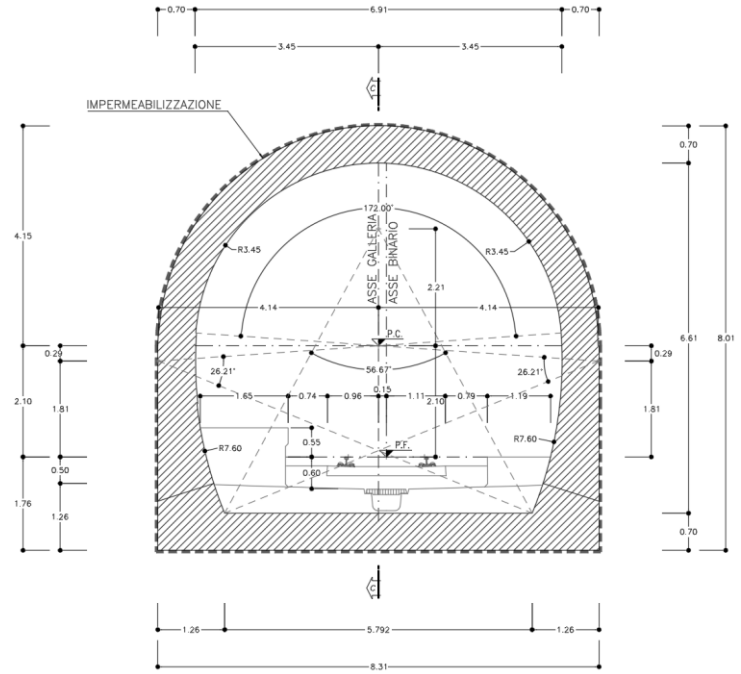


Figura 1 Portale d'imbocco: carpenteria

La sezione della nuova galleria artificiale, Figura 2, presenta una forma a ferro di cavallo con piedritti verticali. Lo spessore minimo del rivestimento in calotta è di 0.70 m, anche il solettone di fondo (arco rovescio piatto) presenta uno spessore minimo di 0.70 m.

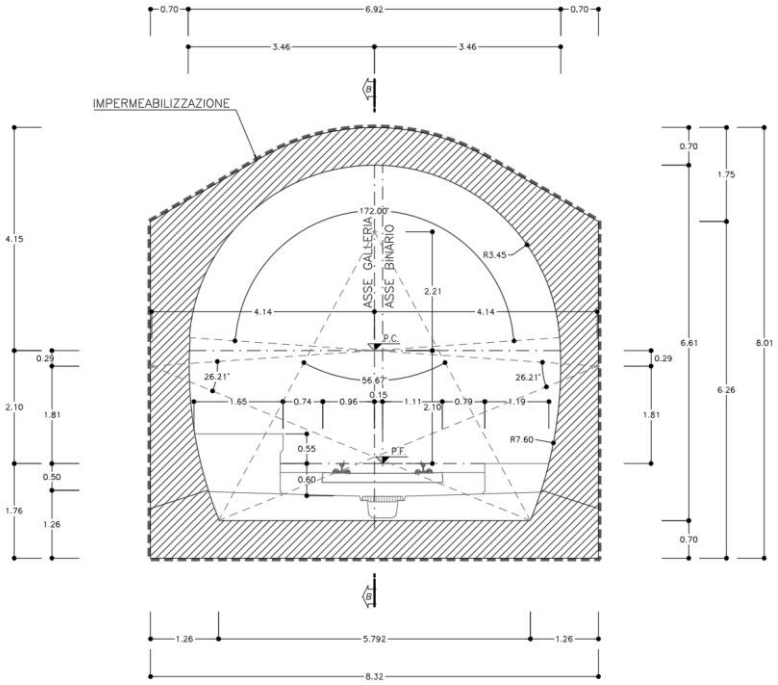


Figura 2 Nuova galleria artificile: carpenteria

L'imbocco lato Ferrandina, data la presenza dei muri laterali esistenti, la porzione destra a tergo delle pareti esterne della nuova galleria artificiale verrà riempita con calcestruzzo fino alla sommità del muro.

La galleria artificiale esistente presenta una geometria a sezione scatolare. Si prevede l'adeguamento alla nuova sagoma di progetto (intradosso a singolo binario) mediante armatura e getto del nuovo rivestimento interno,

caratterizzato da un riempimento in calcestruzzo avente spessore variabile. Lo spessore strutturale minimo è pari a 0.50 m. Prima del getto verrà messa in opera un'impermeabilizzazione full-round su tutto il profilo di intradosso della sagoma esistente, Figura 3.

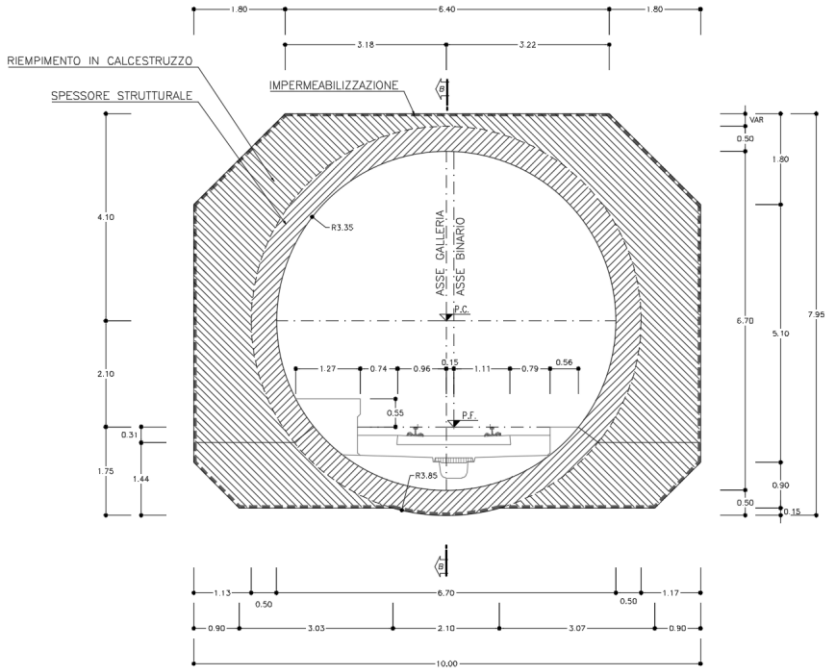


Figura 3 Galleria artificiale esistente: carpenteria

Per una corretta realizzazione delle strutture appena descritte si rende necessario prevedere un intervento di demolizione, che interesserà la soletta esistente tra le opere di sostegno laterali e la soletta di fondo della galleria artificiale esistente. In entrambi i casi si tratta di demolire un getto di calcestruzzo non armato.

Per la sistemazione finale, il ritombamento dovrà ricoprire interamente i manufatti, raccordando l'imbocco con il versante a monte e garantendo l'inserimento paesaggistico-ambientale dell'opera.

La sistemazione finale dell'imbocco lato Matera è sagomata in previsione del passaggio della strada proveniente dal piazzale di emergenza della Finestra Miglionico. Come si vede dallo stralcio del profilo in Figura 4, la sede stradale sovrapassa la galleria in corrispondenza della galleria artificiale esistente.

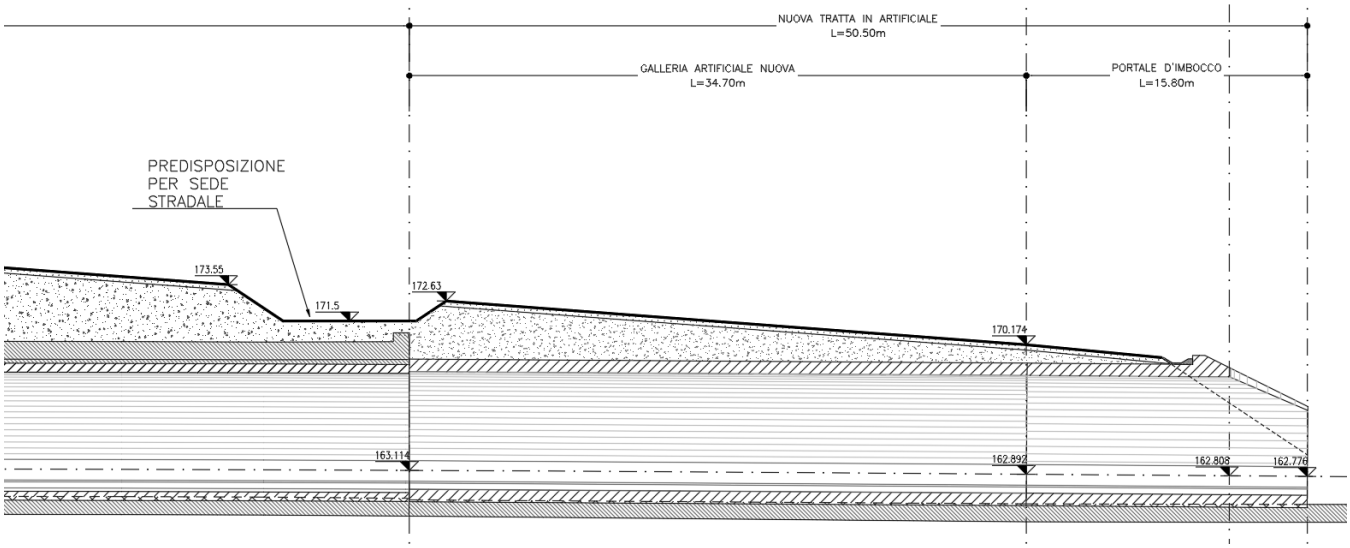


Figura 4 Lato Matera: sagomatura del ritombamento per sede stradale

10 CARATTERISTICHE DEI MATERIALI STRUTTURALI

Si riportano di seguito le principali caratteristiche dei diversi materiali impiegati nelle opere in progetto, con l'indicazione dei valori di resistenza e deformabilità adottati nelle verifiche, nel rispetto delle indicazioni del DM 17/01/2018 e del "Manuale di progettazione delle opere civili" RFI DTC SI MA IFS 001 C (§ 3.1).

Per la completa e puntuale definizione delle caratteristiche dei materiali previsti per la realizzazione dell'opera si rimanda all'elaborato specifico "Elaborati generali - Caratteristiche dei materiali – Note generali" (Rif. [22]).

Calcestruzzo armato – Calotta e arco rovescio	
Classe di resistenza	C25/30
Resistenza di progetto a compressione a 28 giorni	$f_{cd} = 0.85\ f_{ck}/1.5 = 14.11$ MPa
Modulo elastico a 28 giorni	$E_{cm} = 22000(f_{cm}/10)^{0.3}$ MPa=31475 MPa
Tensione massima di compressione in esercizio	$\sigma_c \leq 0.6\ f_{ck}$= 14.94 MPa per comb. rara $\sigma_c \leq 0.45\ f_{ck}$= 11.2 MPa per comb. quasi permanente

Acciaio per barre di armatura	
Tipo	B 450 C
Resistenza di progetto	$f_{yd} = f_{yk}/\gamma_s = 450/1.15 = 391.3$ MPa
Tensione massima in condizioni di esercizio	$\sigma_{lim} = 0.80\ f_{yk} = 360$ MPa
Verifica indiretta per il controllo della fessurazione	tabelle C4.1.II e C4.1.III della Circolare 7/9

11 CRITERI DI VERIFICA DELLE OPERE

Le verifiche sono state condotte in accordo con le prescrizioni e le indicazioni del D.M. 17/01/2018 e della Circolare n.7/19 (Rif. [1] e Rif. [2]).

11.1 Gallerie artificiali

11.1.1 Azioni

Per le gallerie artificiali si individuano le seguenti azioni:

- **azioni permanenti strutturali:** peso proprio della struttura (P.P), spinte del terreno sui fianchi della galleria (SPsx e SPdx), carico verticale P.cop (rappresentato dal terreno di ricoprimento), spinte risultanti dalla pressione dell'acqua (P.w) in presenza di falda;
- **azioni variabili**: carico variabile Q_1 pari a 20 kN/m^2 (legato ai mezzi di cantiere), spinte sui fianchi della galleria (SQ_1sx e SQ_1dx) generate dal carico Q_1.
- **azione sismica:** l'accelerazione orizzontale massima attesa al suolo è definita nel paragrafo 8.4. I carichi considerati sono: incremento di spinta del terreno sui fianchi della galleria (± ΔSh), variazione del peso del terreno di ritombamento (± ΔSv), effetti inerziali della struttura della galleria nelle direzioni orizzontale e verticale (Ih e Iv).

Sulla base della definizione dei carichi di cui sopra, in accordo a quanto prescritto dal DM 17/01/2018, sono state individuate le combinazioni di carico per le verifiche di stati limite ultimi e di esercizio in condizioni statiche e in condizioni sismiche:

- combinazione fondamentale (SLU)
- combinazione caratteristica (SLE): il coefficiente di combinazione per il carico variabile Q_1 è pari a 1
- combinazione frequente (SLE): il coefficiente di combinazione per il carico variabile Q_1 è pari a 0.8
- combinazione quasi permanente (SLE): il coefficiente di combinazione per il carico variabile Q_1 è pari a 0
- combinazione sismica (SLV, SLD): il coefficiente di combinazione per il carico variabile Q_1 è pari a 0.2.

11.1.2 Approcci progettuali e *metodi di verifica*

Le verifiche delle gallerie artificiali sono state condotte nei riguardi dei seguenti stati limite:

- stati limite ultimi (SLU):
  - instabilità globale dell'insieme terreno-opera;
  - raggiungimento della resistenza strutturale
- stati limite di esercizio in condizioni statiche (SLE):
  - controllo dello stato tensionale e fessurativo degli elementi strutturali.

Le verifiche in condizioni sismiche sono state condotte con riferimento allo stato limite ultimo di salvaguardia della vita (SLV) e allo stato limite di danno (SLD). Per tali verifiche i coefficienti parziali sulle azioni sono pari all'unità.

SLU

Carico	SLU1	SLU2	SLU3	SLU4	SLU5	SLU6	SLU7
P.P.	1.3	1.3	1.0	1.3	1.0	1.3	1.0
P.cop	1.3	1.3	1.0	1.3	1.0	1.3	1.0
SP.sx	1.3	1.0	1.3	1.3	1.3	1.0	1.0
SP.dx	1.3	1.0	1.3	1.0	1.0	1.3	1.3
V	1.5	1.5	0.0	1.5	0.0	1.5	0.0
SV.sx	1.5	0.0	1.5	1.5	1.5	0.0	0.0
SV.dx	1.5	0.0	1.5	0.0	0.0	1.5	1.5

Tabella 1 – Sezione 3. Coefficienti di combinazione allo stato limite ultimo in condizioni statiche

SLE-C

Carico	SLE-C
P.P.	1.0
P.cop	1.0
SP.sx	1.0
SP.dx	1.0
V	1.0
SV.sx	1.0
SV.dx	1.0
ΔS.h	0.0
ΔS.v	0.0
I.h	0.0
I.v	0.0

SLE-F

Carico	SLE-F-1	SLE-F-2	SLE-F-3
P.P.	1.0	1.0	1.0
P.cop	1.0	1.0	1.0
SP.sx	1.0	1.0	1.0
SP.dx	1.0	1.0	1.0
V	0.8	0.0	0.0
SV.sx	0.0	0.8	0.0
SV.dx	0.0	0.0	0.8
ΔS.h	0.0	0.0	0.0
ΔS.v	0.0	0.0	0.0
I.h	0.0	0.0	0.0
I.v	0.0	0.0	0.0

SLE-QP

Carico	SLE-QP
P.P.	1.0
P.cop	1.0
SP.sx	1.0
SP.dx	1.0
V	0.0
SV.sx	0.0
SV.dx	0.0
ΔS.h	0.0
ΔS.v	0.0
I.h	0.0
I.v	0.0

Tabella 2 – Coefficienti di combinazione allo stato limite di esercizio in condizioni statiche

SLV/SLD

Carico	SLV1	SLV2	SLV3	SLV4	SLV5	SLV6	SLV7	SLV8	SLV9	SLV10	SLV11	SLV12	SLV13	SLV14	SLV15	SLV16
P.P.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
P.cop	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SP.sx	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SP.dx	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
V	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SV.sx	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SV.dx	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ΔS.h	1.0	-1.0	1.0	-1.0	0.3	-0.3	0.3	-0.3	1.0	-1.0	1.0	-1.0	0.3	-0.3	0.3	-0.3
ΔS.v	-0.3	-0.3	0.3	0.3	-1.0	-1.0	1.0	1.0	-0.3	-0.3	0.3	0.3	-1.0	-1.0	1.0	1.0
I.h	1.0	-1.0	1.0	-1.0	0.3	-0.3	0.3	-0.3	-1.0	1.0	-1.0	1.0	-0.3	0.3	-0.3	0.3
I.v	-0.3	-0.3	0.3	0.3	-1.0	-1.0	1.0	1.0	0.3	0.3	-0.3	-0.3	1.0	1.0	-1.0	-1.0

Tabella 3 – Coefficienti di combinazione allo stato limite ultimo in condizioni sismiche

Per la verifica agli stati limite in condizioni sismiche (SLV e SLD) si è adottato il metodo pseudostatico, calcolando i coefficienti sismici orizzontale e verticale in analogia con quanto indicato dalla normativa (DM 14/1/2008) per i muri di sostegno:

$$k_h = \beta_m \cdot \left(\frac{a_{\max}}{g} \right)$$

$$k_v = \pm\frac{1}{2}\cdot k_h$$

dove:

- a_{max} è l'accelerazione orizzontale massima attesa al sito,
- β_m è il coefficiente di riduzione dell'accelerazione massima assunto pari a 1.

Per il calcolo delle sollecitazioni si è adottato il metodo delle reazioni iperstatiche attraverso una modellazione numerica ad elementi finiti monodimensionali. Si è utilizzato il codice di calcolo Straus 7 (versione 2.4.6). Si considera una sezione di galleria di lunghezza unitaria definendo per la struttura un modello costituito da conci monodimensionali (elementi beam). Gli spessori delle diverse aste sono variabili secondo l'elemento strutturale considerato (calotta, piedritto, arco rovescio). L'interazione tra il terreno e la struttura è simulata attraverso elementi elastici radiali: la rigidezza di tali supporti è calcolata secondo le seguenti formulazioni:

$k = \frac{E'}{R_{eq}\cdot(1+\upsilon)}\cdot i$ (per i tratti curvilinei dell'arco di calotta)

$k = \frac{E'}{B\cdot(1-\upsilon^2)}\cdot i$ (per tratti rettilinei dell'arco di calotta)

$k = \frac{E'}{B\cdot(1-\upsilon^2)\cdot c_t}\cdot i$ (per l'arco rovescio)

dove:

- R_{eq} è il raggio di curvatura equivalente dell'anello;
- B è la lunghezza del tratto rettilineo di carpenteria;
- i è l'interasse tra le bielle;
- υ ed E' il coefficiente di Poisson ed il modulo elastico del mezzo al contorno rispettivamente;
- c_t = coefficiente di forma della fondazione ottenuto attraverso le relazioni proposte da Bowles (1960) (L = lato maggiore della fondazione):

  $c_t = 0.853 + 0.534\cdot ln(L/B)$ fondazione rettangolare con (L / B) ≤ 10;

  $c_t = 2 + 0.0089\cdot (L/B)$ fondazione rettangolare con (L / B) > 10.

Il modulo elastico da assegnare all'elemento è calcolabile attraverso la seguente relazione: E = K · i.

12 VERIFICA DELLE OPERE DELL'IMBOCCO

Di seguito si riporta l'analisi e la verifica della sezione più sollecitata della nuova galleria artificiale. Per quanto riguarda la verifica della galleria artificiale esistente si faccia riferimento alle analisi della galleria naturale, dato che la struttura è identica.

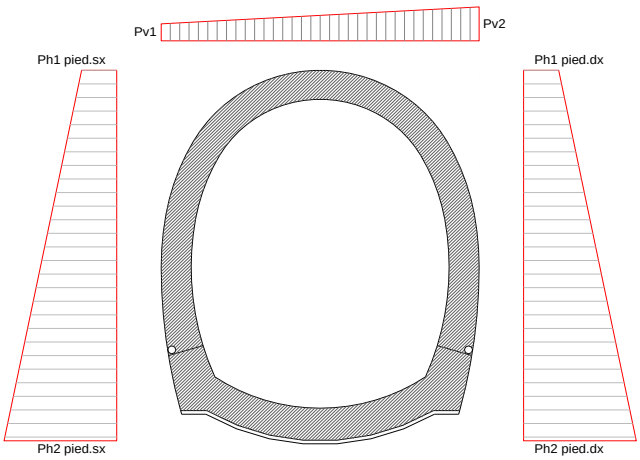
12.1 Nuova Galleria artificiale

Per la verifica della nuova galleria artificiale è stata presa in considerazione la sezione caratterizzata dalla massima altezza di ritombamento. La sezione analizzata è situata alla pk. 2+390 ca. Di seguito è fornita una descrizione delle principali caratteristiche geometriche e uno schema del modello di calcolo.

Al terreno di ritombamento ed a quello di spinta laterale sono state assegnate le caratteristiche meccaniche riportate nella seguente Tabella.

Peso di volume γ (kN/m^3)	20
Coesione efficace c' (kPa)	0
Angolo di resistenza al taglio ϕ' (°)	25
Coefficiente di spinta a riposo K_0	0.58

Le combinazioni di carico analizzate sono quelle indicate al paragrafo 11.1.2. Nella tabella seguente sono riassunti i carichi ed i valori delle molle assegnati al modello di calcolo.



Copertura (m)	γritomb (kN/m^3)	P.cop (kN/m^2)	SP.sx (kN/m^2)	SP.dx (kN/m^2)	V (kN/m^2)	SV.sx (kN/m^2)	SV.dx (kN/m^2)	ΔS.h (kN/m^2)	ΔS.v (kN/m^2)
7 ÷8.7	20	140 ÷174	81 (sup) 166 (inf)	81 (sup) 166 (inf)	20	11.54	11.54	33.4	14÷18

$K_{terr.\ a.c.}$ (kN/m^3)	$K_{terr.\ a.c.\ rett}$ (kN/m/m)	$K_{terr.\ a.r.}$ (kN/m/m)	$K_{terr.\ pied.\ alto}$ (kN/m/m)	$K_{terr.\ pied.\ basso}$ (kN/m/m)
814	4227	$8.2 \cdot 10^5$	4186	$1{,}5 \cdot 10^6$

La rigidezza delle molle è calcolata impiegando le formule al paragrafo § 11.1.2, con modulo elastico "E" pari a 40 MPa in calotta e lungo la parte alta del piedritto, mentre E=31000 Mpa, lungo la parte basse del piedritto ed in

arco rovescio, per tener conto della presenza dei muri laterali ed il solettone in calcestruzzo già realizzato in corrispondenza del piano di imposta della struttura.

Si riportano di seguito alcune immagini del modello di calcolo finalizzate a rappresentare la schematizzazione ad elementi finiti (nodi-elementi) adottata.

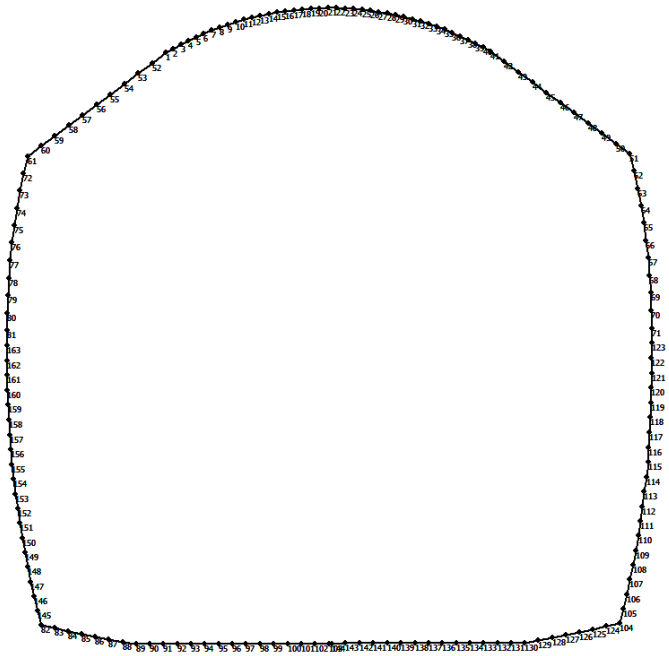


Figura 5 – Numerazione nodi e numerazione elementi beam

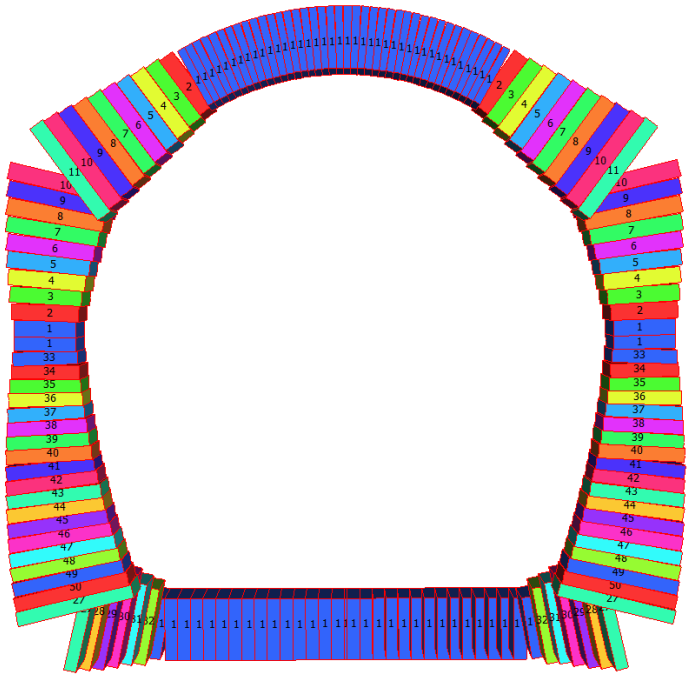


Figura 6 – Modello strutturale con evidenziati gli spessori degli elementi beam

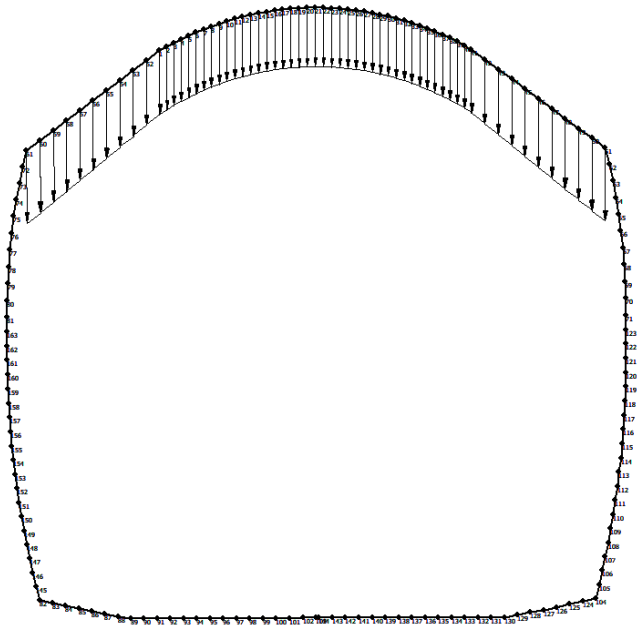


Figura 7 – Carico di ricoprimento superiore P.cop (distribuzione valida anche per il carico variabile superficiale V e la sovraspinta sismica verticale ΔS.v)

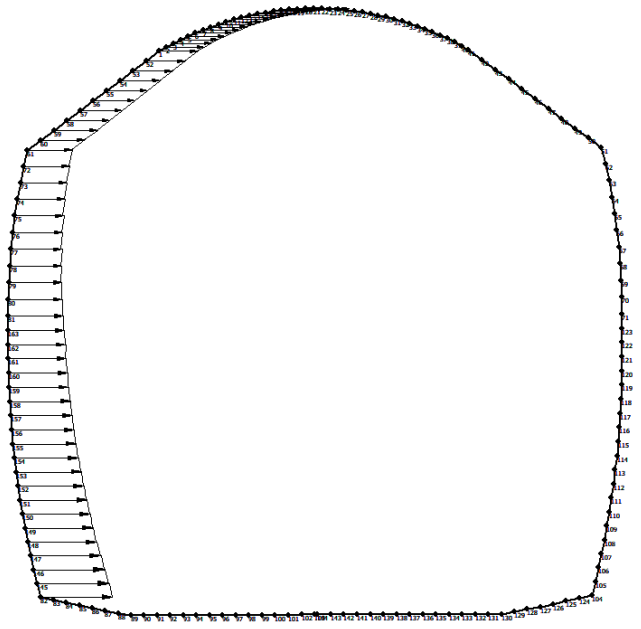


Figura 8 – Carico dovuto alla spinta orizzontale sinistra SP.sx (distribuzione valida anche per la sovraspinta dovuta al carico variabile superficiale SV.sx e la spinta sismica orizzontale ΔS.h)

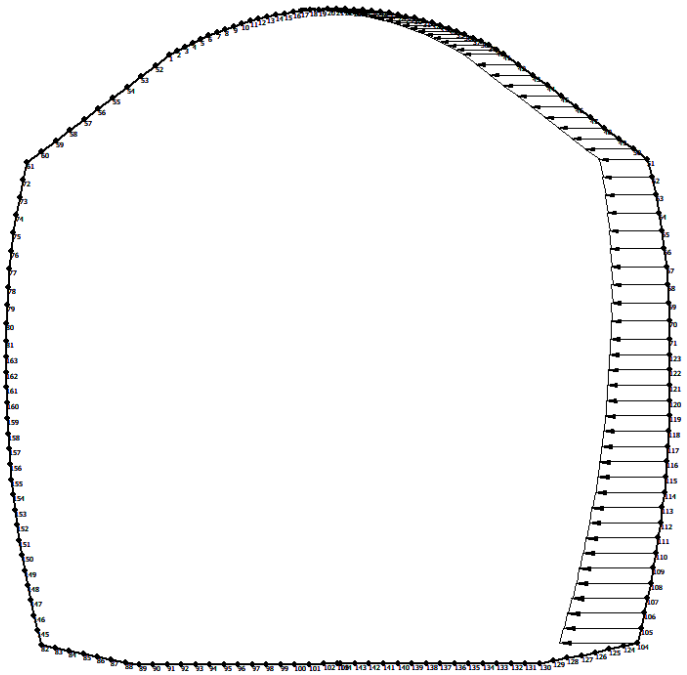


Figura 9 – Carico dovuto alla spinta orizzontale destra SP.dx (distribuzione valida anche per la sovraspinta dovuta al carico variabile SV_dx)

12.1.1 Risultati delle verifiche SLU

I risultati delle analisi sono descritti in sintesi nel seguito ed illustrati in dettaglio all'interno dell'allegato (All. [1]).

Si riportano di seguito i risultati delle analisi di calcolo rappresentati dagli inviluppi delle azioni interne calcolate:

- diagrammi di inviluppo delle combinazioni di carico statiche;

- diagrammi relativi alla combinazione di carico sismica.

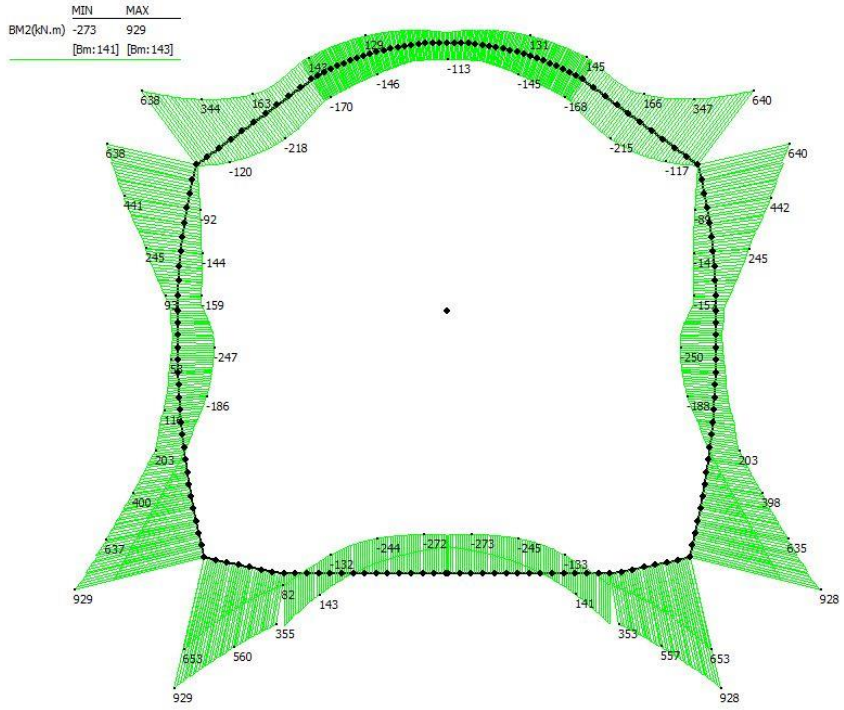


Figura 10 – Diagramma di inviluppo del Momento flettente (condizioni statiche SLU)

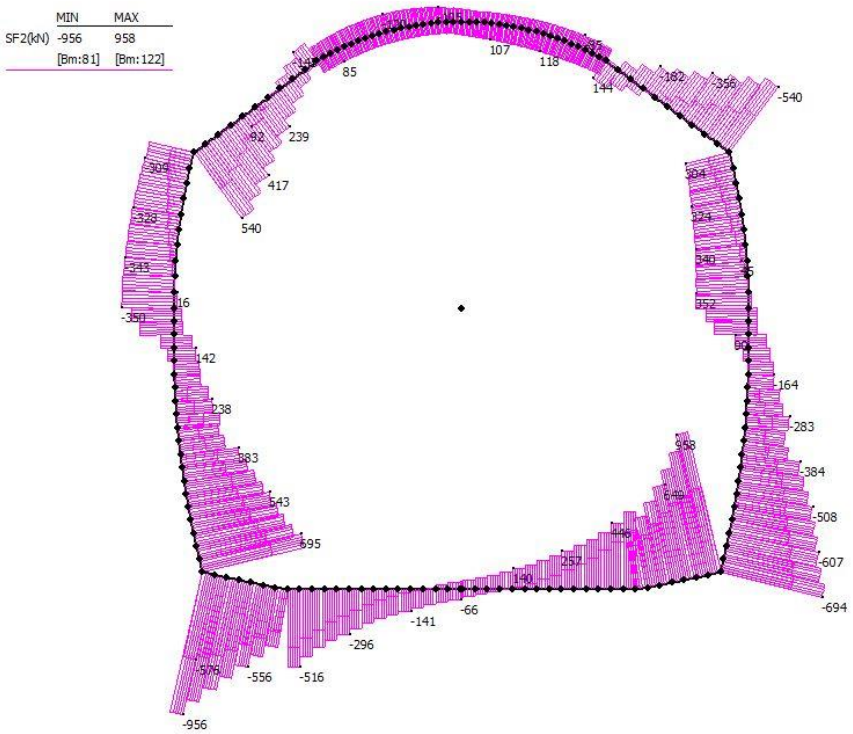


Figura 11 – Diagramma di inviluppo del Taglio (condizioni statiche SLU)

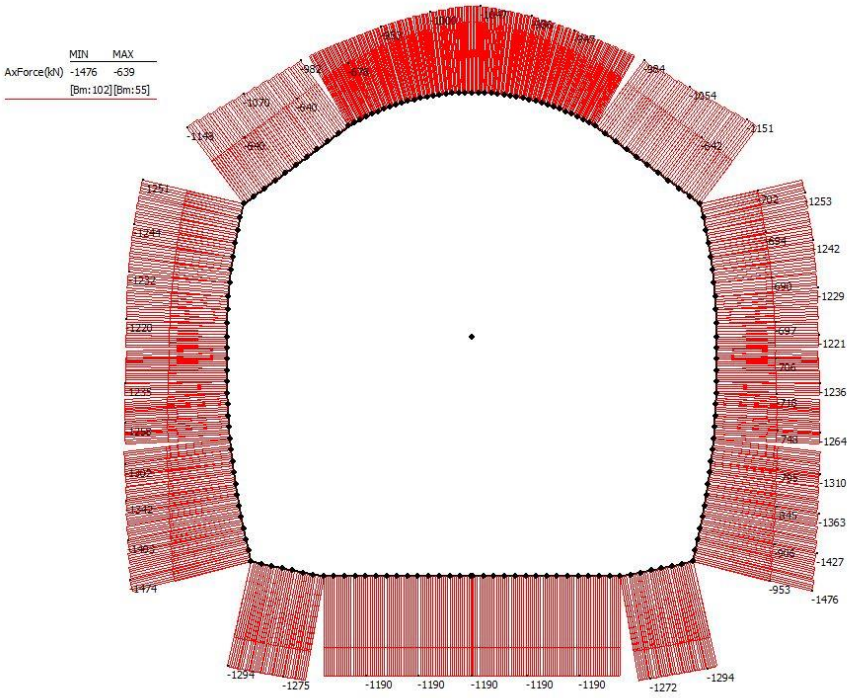


Figura 12 – Diagramma di inviluppo dell'Azione assiale (condizioni statiche SLU)

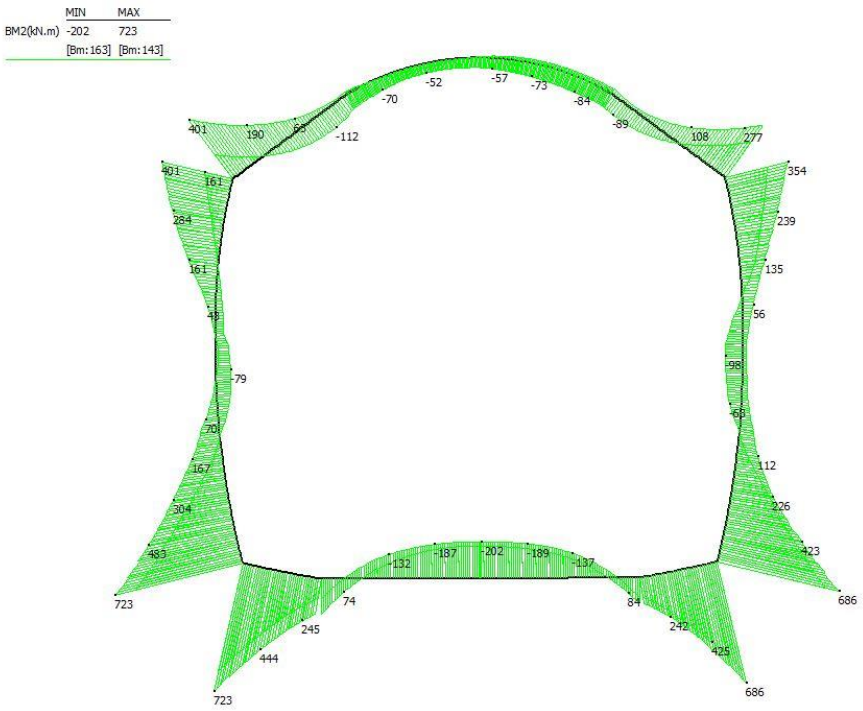


Figura 13 – Diagramma di inviluppo del Momento flettente (condizioni sismiche)

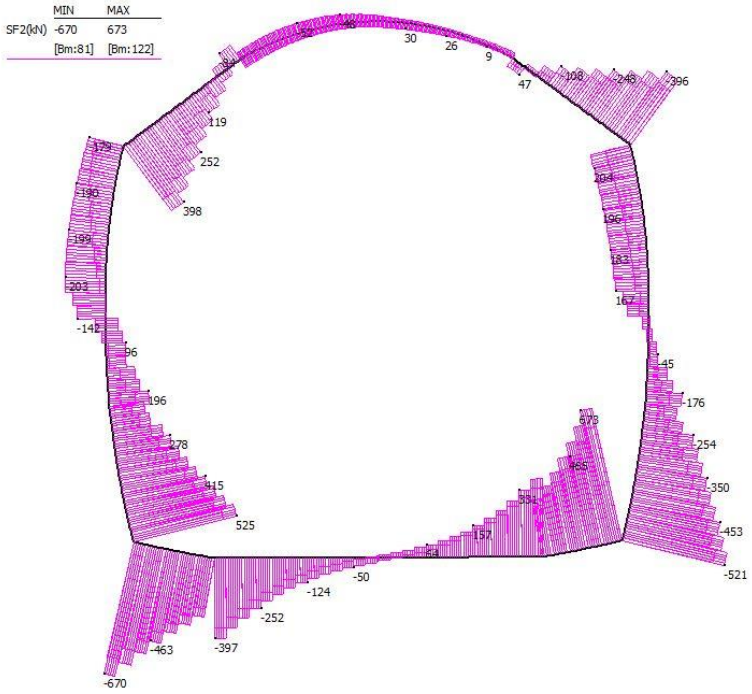


Figura 14 – Diagramma di inviluppo del Taglio (condizioni sismiche)

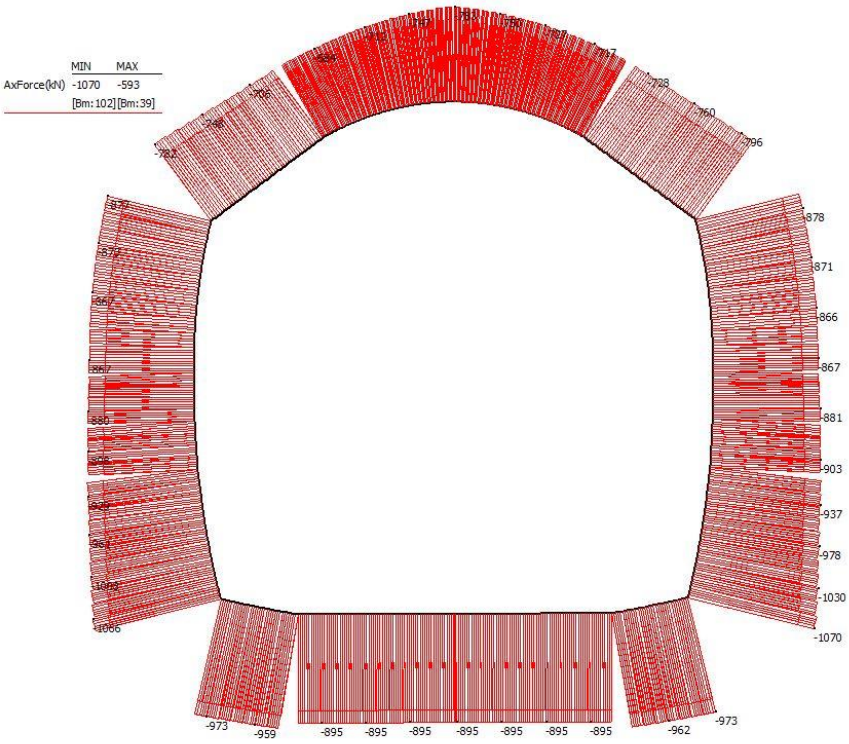


Figura 15 – Diagramma di inviluppo dell'Azione assiale (condizioni sismiche)

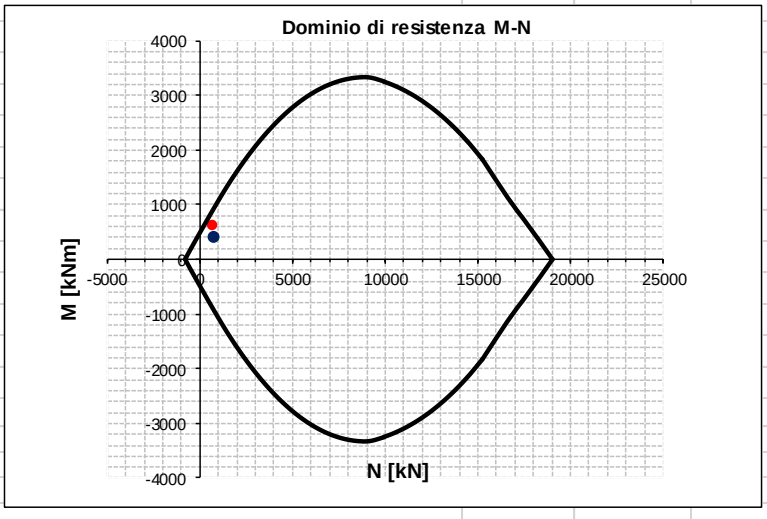
Verifica a Pressoflessione SLU/SLV – calotta - MOMENTO MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**129**
Altezza utile della sezione		d [cm]	**124**
Area di calcestruzzo		A_c [cm^2]	**12900**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ [%]		**0.081%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.081%**	

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE			
Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	640.0	401.0
Sforzo Normale concomitante	N_{Sd} [kN]	-642.0	-782.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	866.4	948.2
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**1.35**	**2.36**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	**-**	**-**



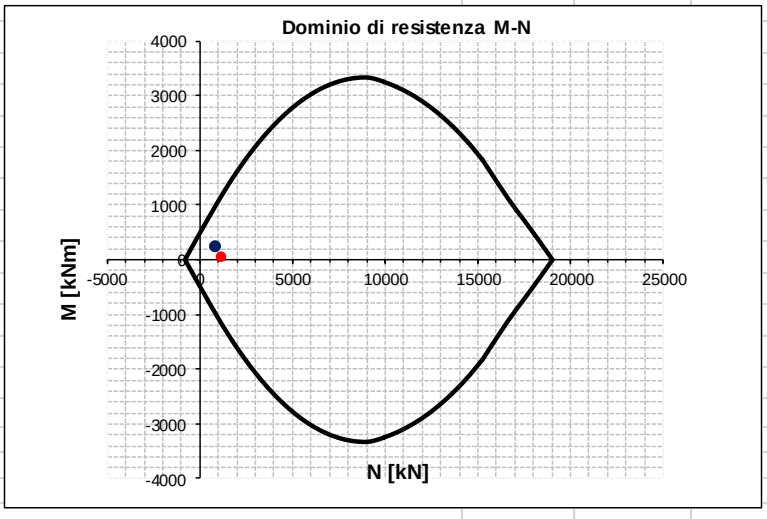
Verifica a Pressoflessione SLU/SLV – calotta - SFORZO NORMALE MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**129**
Altezza utile della sezione		d [cm]	**124**
Area di calcestruzzo		A_c [cm^2]	**12900**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ [%]		**0.081%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.081%**	

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE			
Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	66.0	239.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1151.0	-796.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	1160.8	956.3
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**17.59**	**4.00**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	**-**	**-**



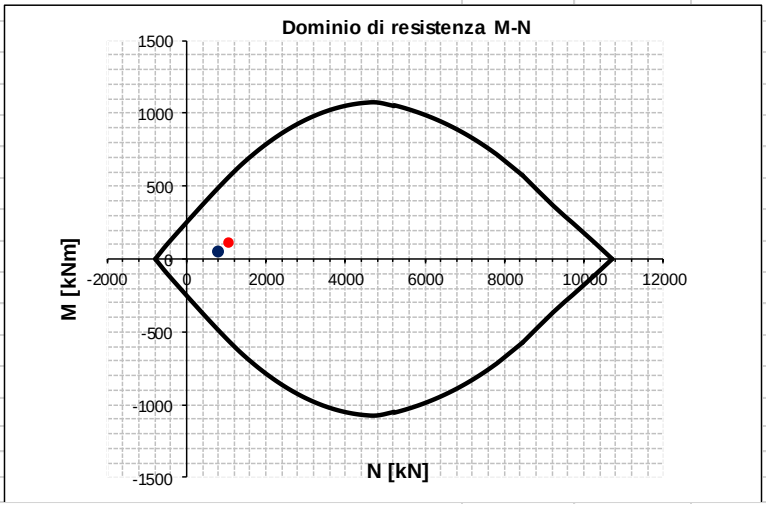
Verifica a Pressoflessione SLU/SLV – calotta sp. min 0.70m

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**70**
Altezza utile della sezione		d [cm]	**65**
Area di calcestruzzo		A_c [cm^2]	**7000**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ [%]		**0.155%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.155%**	

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE			
Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	113.0	52.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1045.0	-782.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	560.4	485.9
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**4.96**	**9.34**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	**-**	**-**



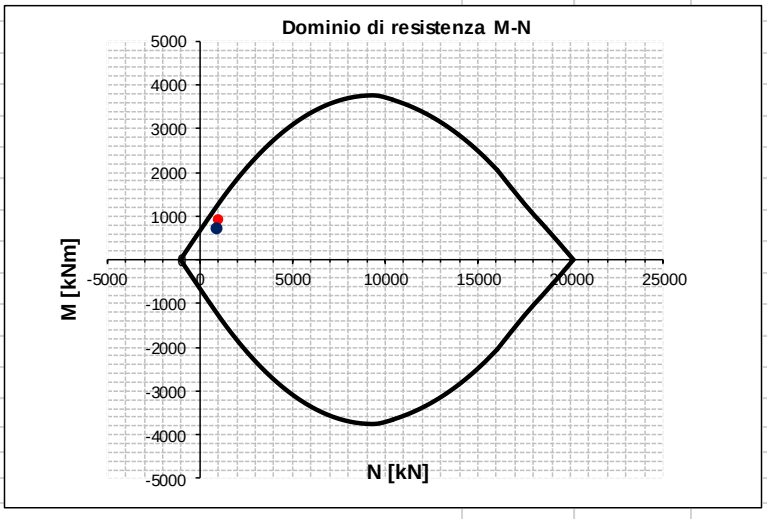
Verifica a Pressoflessione SLU/SLV – piedritto – MOMENTO MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**135**
Altezza utile della sezione		d [cm]	**130**
Area di calcestruzzo		A_c [cm^2]	**13500**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.098%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.098%**	

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE			
Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	929.0	723.0
Sforzo Normale concomitante	N_{Sd} [kN]	-951.0	-936.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	1228.3	1219.2
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**1.32**	**1.69**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	**-**	**-**



Verifica a Pressoflessione SLU/SLV – piedritto – SFORZO NORMALE MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**135**
Altezza utile della sezione		d [cm]	**130**
Area di calcestruzzo		A_c [cm^2]	**13500**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.098%**	

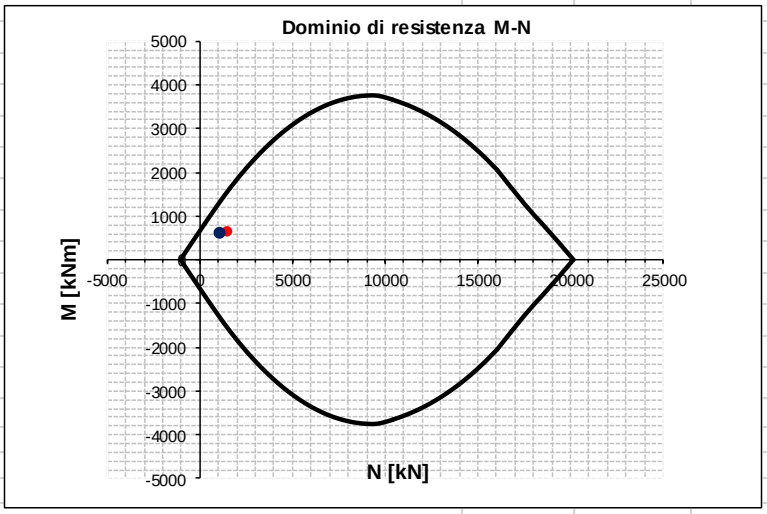
Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.098%**	

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	653.0	612.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1476.0	-1070.0

Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	1539.4	1300.6
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**2.36**	**2.13**

Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	**-**	**-**



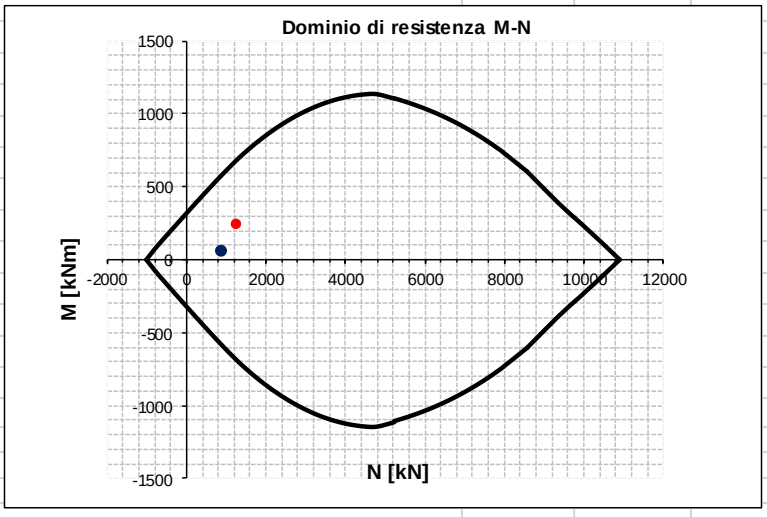
Verifica a Pressoflessione SLU/SLV – piedritto sp.min 0.70m

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**70**
Altezza utile della sezione		d [cm]	**65**
Area di calcestruzzo		A_c [cm^2]	**7000**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.196%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.196%**	

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE			
Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	247.0	66.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1226.0	-866.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	672.2	572.3
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**2.72**	**8.67**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	**-**	**-**



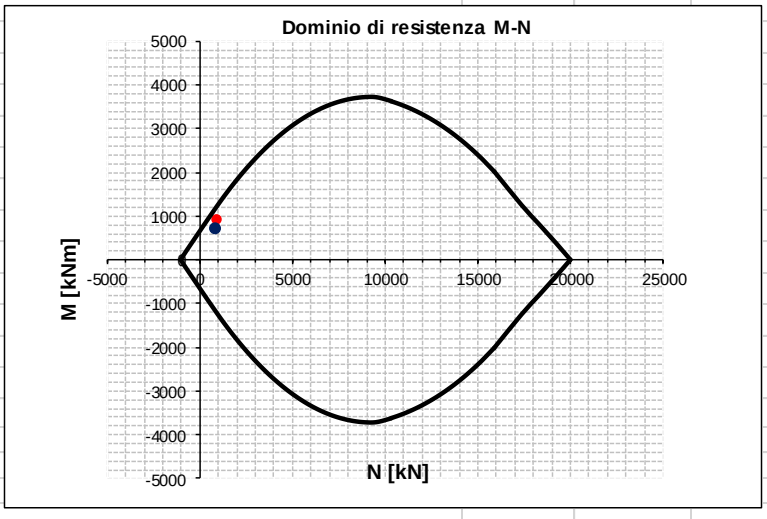
Verifica a Pressoflessione SLU/SLV – arco rovescio – MOMENTO MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**134**
Altezza utile della sezione		d [cm]	**129**
Area di calcestruzzo		A_c [cm^2]	**13400**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.099%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.099%**	

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE			
Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	929.0	723.0
Sforzo Normale concomitante	N_{Sd} [kN]	-933.0	-861.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	1207.8	1164.4
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**1.30**	**1.61**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	**-**	**-**



Verifica a Pressoflessione SLU/SLV – arco rovescio – SFORZO NORMALE MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**134**
Altezza utile della sezione		d [cm]	**129**
Area di calcestruzzo		A_c [cm^2]	**13400**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.099%**	

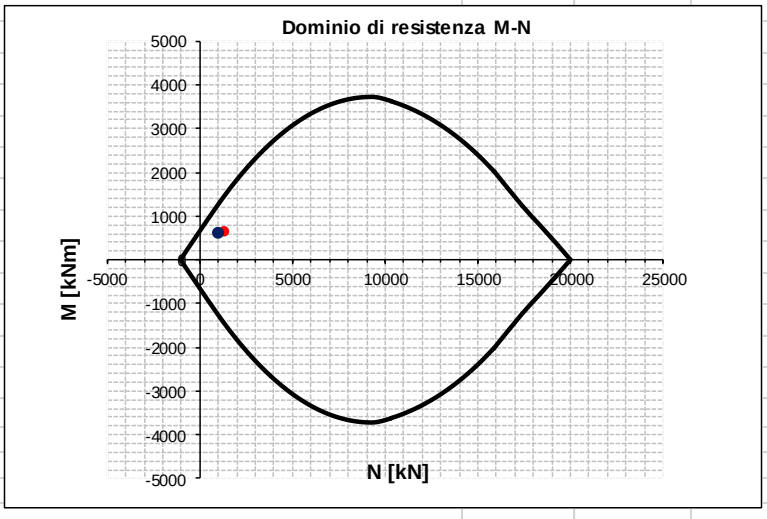
Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.099%**	

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	653.0	612.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1294.0	-973.0

Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	1421.9	1231.9
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**2.18**	**2.01**

Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	**-**	**-**



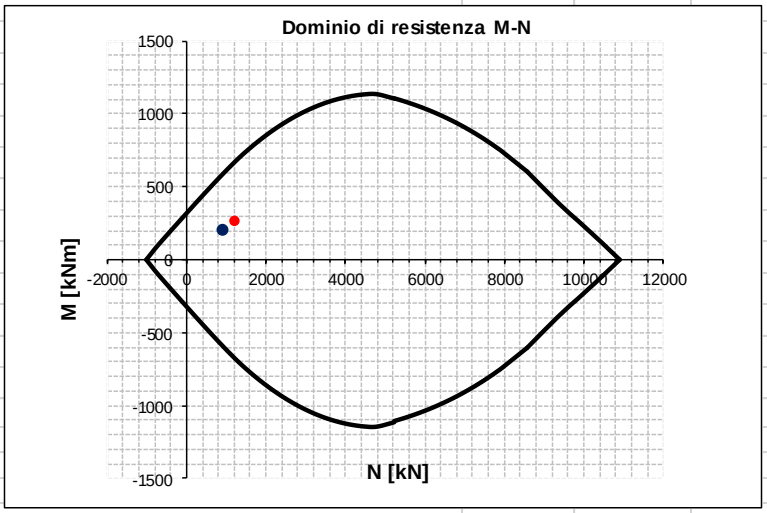
Verifica a Pressoflessione SLU/SLV – arco rovescio sp.min 0.70m

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**70**
Altezza utile della sezione		d [cm]	**65**
Area di calcestruzzo		A_c [cm^2]	**7000**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.196%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.196%**	

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE			
Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	272.0	201.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1190.0	-895.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	662.7	580.6
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**2.44**	**2.89**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	**-**	**-**



12.1.2 Risultati delle verifiche SLE

Si riportano di seguito i risultati delle analisi di calcolo rappresentati dagli inviluppi delle azioni interne calcolate:

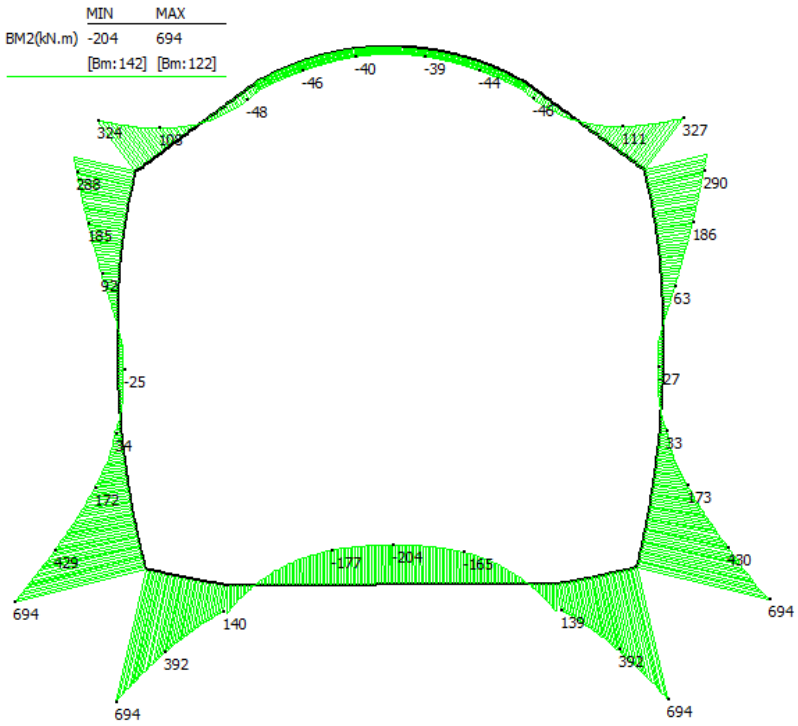


Figura 16 – Diagramma di inviluppo del Momento flettente (condizioni statiche SLE-C)

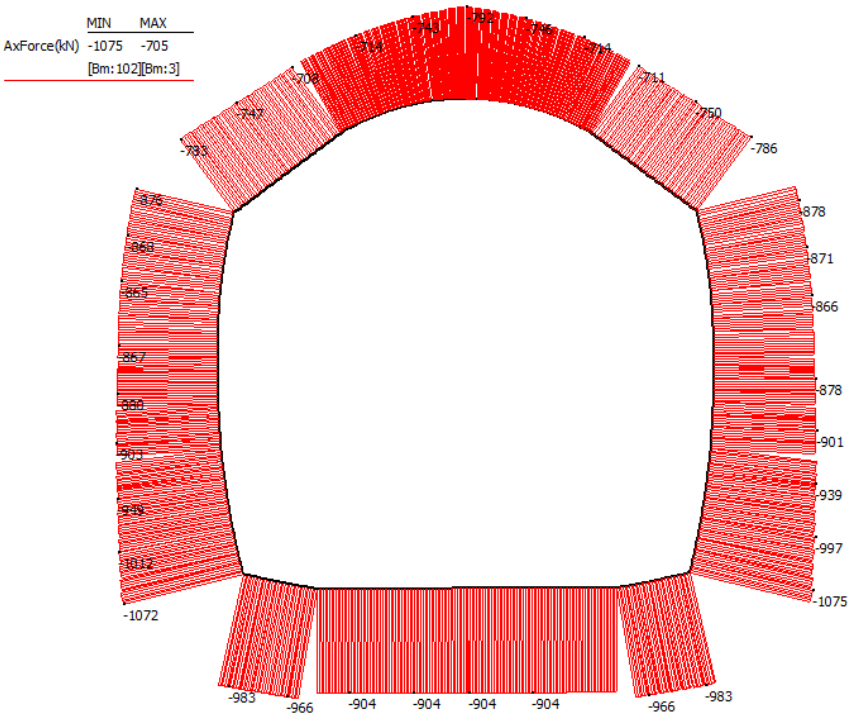


Figura 17 – Diagramma di inviluppo dell'Azione assiale (condizioni statiche SLE-C)

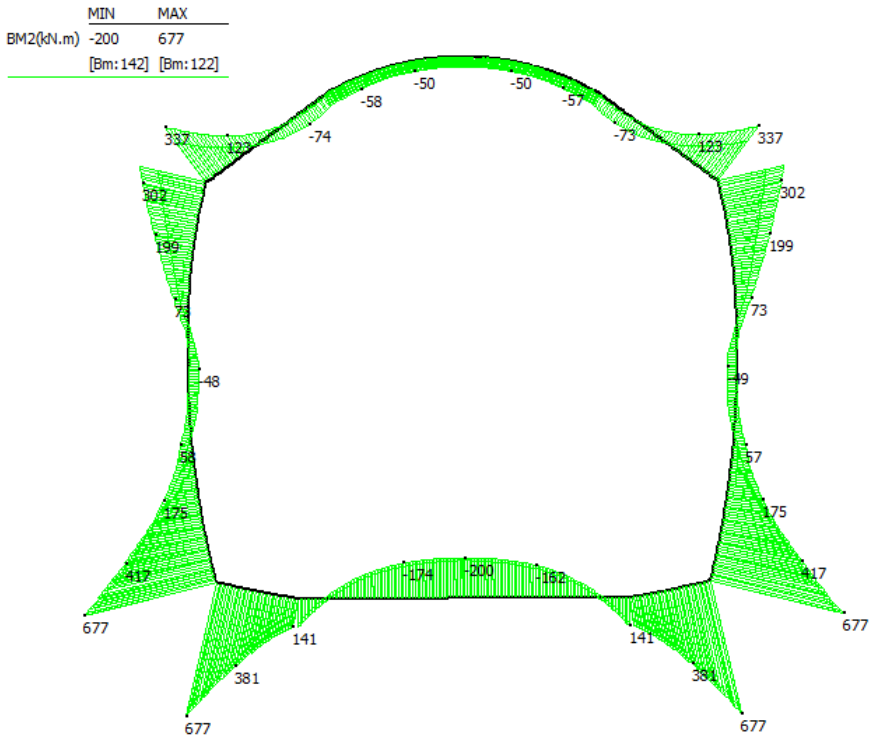


Figura 18 – Diagramma di inviluppo del Momento flettente (condizioni statiche SLE-F)

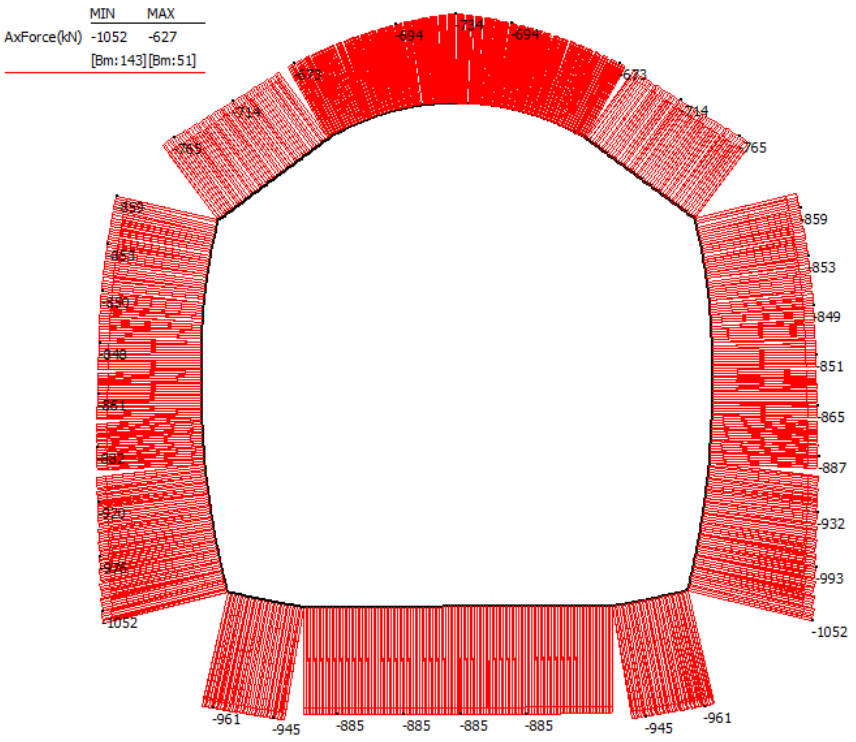


Figura 19 – Diagramma di inviluppo dell'Azione assiale (condizioni statiche SLE-F)

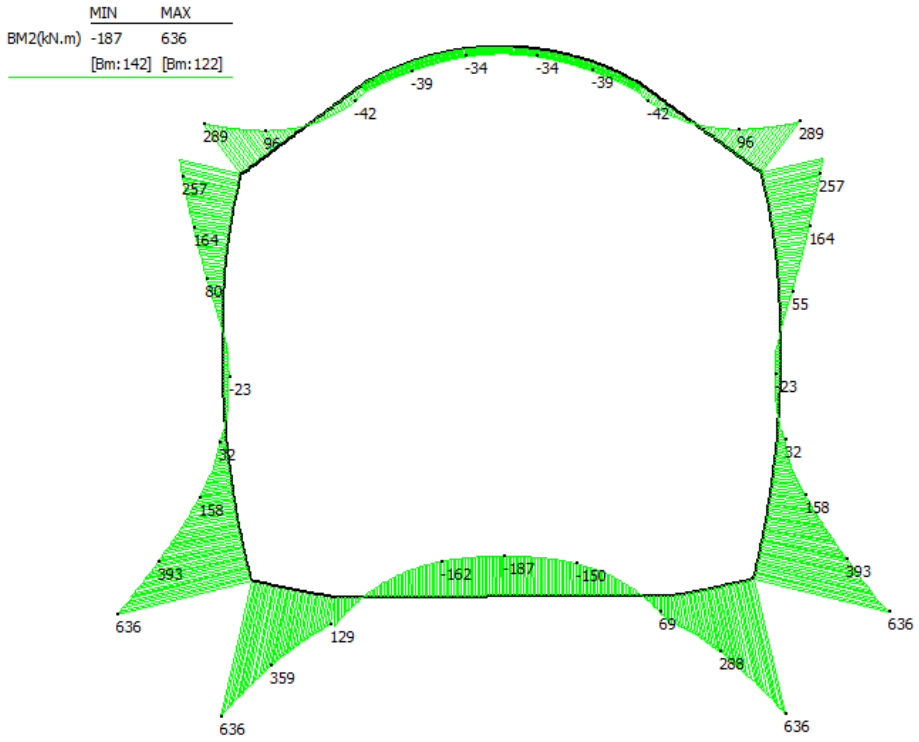


Figura 20 – Diagramma di inviluppo del Momento flettente (condizioni statiche SLE-QP)

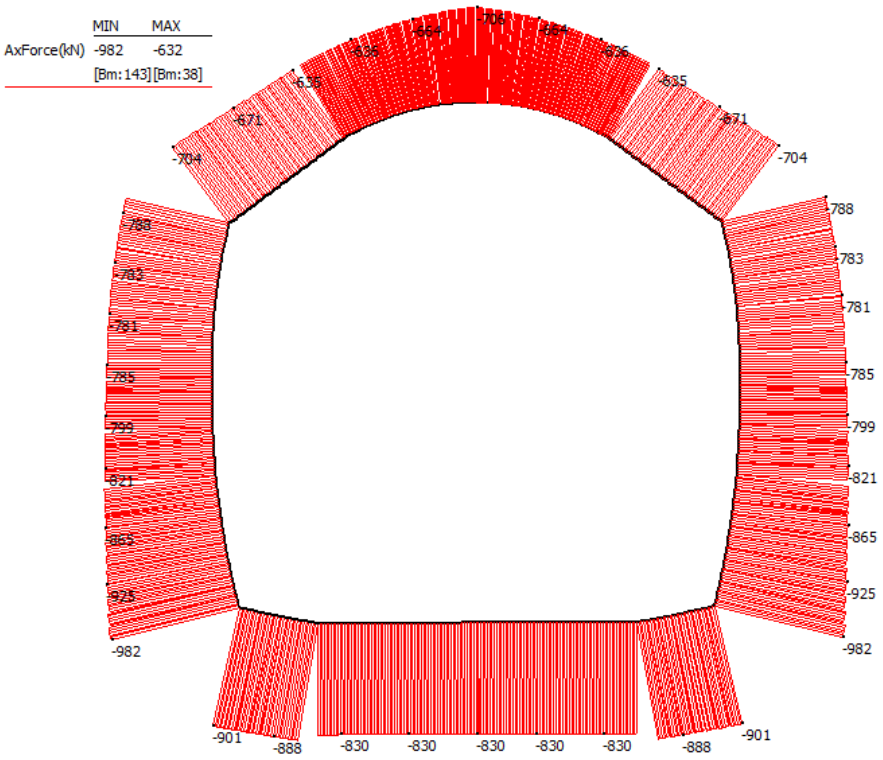


Figura 21 – Diagramma di inviluppo dell'Azione assiale (condizioni statiche SLE-QP)

Verifica SLE – calotta - MOMENTO MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**129**
Altezza utile della sezione		d [cm]	**124**
Area di calcestruzzo		A_c [cm^2]	**12900**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ [%]		**0.081%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.081%**	

VERIFICHE IN ESERCIZIO			
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**1.76**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**2.00**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**17.88**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

Verifica SLE – calotta - SFORZO NORMALE MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**129**
Altezza utile della sezione		d [cm]	**124**
Area di calcestruzzo		A_c [cm^2]	**12900**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ [%]		**0.081%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ [mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.081%**	

VERIFICHE IN ESERCIZIO			
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**1.76**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**2.00**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**17.88**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

Verifica SLE – calotta sp. min 0.70m

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**70**
Altezza utile della sezione		d [cm]	**65**
Area di calcestruzzo		A_c [cm^2]	**7000**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ [mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ [%]		**0.155%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ [mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.155%**	

VERIFICHE IN ESERCIZIO			
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**1.31**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**1.50**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**-10.93**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

Verifica SLE – piedritto – MOMENTO MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**135**
Altezza utile della sezione		d [cm]	**130**
Area di calcestruzzo		A_c [cm^2]	**13500**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.098%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.098%**	

VERIFICHE IN ESERCIZIO			
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**4.02**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**4.38**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**100.10**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

Verifica SLE – piedritto – SFORZO NORMALE MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**135**
Altezza utile della sezione		d [cm]	**130**
Area di calcestruzzo		A_c [cm^2]	**13500**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.098%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ [mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.098%**	

VERIFICHE IN ESERCIZIO			
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**4.02**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**4.38**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**100.10**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

Verifica SLE – piedritto sp.min 0.70m

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**70**
Altezza utile della sezione		d [cm]	**65**
Area di calcestruzzo		A_c [cm^2]	**7000**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ [mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.196%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ [mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.196%**	

VERIFICHE IN ESERCIZIO			
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**1.32**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**1.46**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**-14.23**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

Verifica SLE – arco rovescio – MOMENTO MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**134**
Altezza utile della sezione		d [cm]	**129**
Area di calcestruzzo		A_c [cm^2]	**13400**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.099%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.099%**	

VERIFICHE IN ESERCIZIO			
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**4.21**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**4.60**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**123.59**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

Verifica SLE – arco rovescio – SFORZO NORMALE MAX

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**134**
Altezza utile della sezione		d [cm]	**129**
Area di calcestruzzo		A_c [cm^2]	**13400**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.099%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.099%**	

VERIFICHE IN ESERCIZIO			
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**4.21**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**4.60**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**123.59**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

Verifica SLE – arco rovescio sp.min 0.70m

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.			
Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**70**
Altezza utile della sezione		d [cm]	**65**
Area di calcestruzzo		A_c [cm^2]	**7000**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.196%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.196%**	

VERIFICHE IN ESERCIZIO			
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**3.53**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**3.86**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**25.39**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

L'armatura è composta da ferri di forza ϕ 16mm passo20cm. L'incidenza complessiva risulta pari a 50 kg/m^3.

Le verifiche risultano soddisfatte. In particolare si riportano i valori relativi alle condizioni maggiormente rappresentative per ogni componente strutturale dell'opera.

13 MONITORAGGIO

Nella fase realizzativa dovrà essere posto in opera un adeguato programma di monitoraggio, volto a verificare gli effetti indotti dagli interventi di risanamento e messa in sicurezza della Galleira Miglionico, in considerazione delle demolizioni e dei nuovi rivestimenti definitivi previsti.

Con riferimento alle zone degli imbocchi, in sintesi il programma di monitoraggio dovrà prevedere:

- monitoraggio degli spostamenti delle paratie mediante mire ottiche disposte sull'opera di sostegno;

Il sistema di monitoraggio dovrà essere predisposto in modo tale da garantire l'esame tempestivo e continuativo dei dati rilevati e la trasmissione sistematica dei dati e delle elaborazioni, avendo precedentemente definito ed assegnato le responsabilità per la lettura, l'elaborazione e l'interpretazione dei dati di monitoraggio, nonché per la loro distribuzione.

Le grandezze individuate come rappresentative dovranno essere rilevate e controllate con un sistema di misura che abbia un grado di precisione compatibile con i valori attesi per le grandezze sopra dette, in modo da poter essere confrontati con le previsioni progettuali (i valori attesi) al fine di consentire la verifica e la messa a punto del progetto, e la gestione delle variabilità previste. Per ulteriori dettagli riguardo le frequenze delle letture si rimanda agli elaborati specialistici allegati al progetto.

14 CONCLUSIONI

La presente relazione contiene la descrizione e la verifica delle opere di imbocco della Galleria Miglionico della linea Ferrandina – Matera la Martella.

Le soluzioni progettuali adottate sono finalizzate da un lato all'adeguamento della sagoma d'intradosso della galleria scatolare esistente e dall'altro al prolungamento mediante la realizzazione di una nuova tratta in artificiale. Quest'ultima è costituita da un portale d'imbocco a becco di flauto e da una galleria policentrica al fine di predisporre la zona di imbocco al risanamento paesaggistico.

La relazione contiene le verifiche di dimensionamento della galleria artificiale. Tutte le verifiche eseguite risultano soddisfatte in accordo alla Normativa vigente sa in condizioni statiche che sismiche.

ALLEGATO 1

TITOLO	Risultati delle analisi di verifica della Nuova Galleria Artificiale
TIPO DI DOCUMENTO:	Documento - Formato A4
CODIFICA:	-
PAGINE:	242
DATA:	Luglio 2019
SORGENTE:	U.O. Gallerie Italferr S.p.A.
NOTE:	

Input-Output di calcolo STRAUS7 -nuova galleria artificiale

_____

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/ Straus7 MODEL EXCHANGE FILE
/ TIMESTAMP: 6:15:36 pm, 05 giugno 2019

/ _____
/ MODEL INFORMATION

  FileFormat        Straus7.2.4.6
  ModelName          "GA_open_SLU_001"
  Title            ""
  Project          ""
  Author           ""
  Reference        ""
  Comments         ""

/ _____
/ UNITS

  LengthUnit        m
  MassUnit          kg
  EnergyUnit        J
  PressureUnit      MPa
  ForceUnit         kN
  TemperatureUnit   C

/ _____
/ GROUP DEFINITIONS

  Group             1   16711680  "\\Model"
  Group             2    3355647  "calotta"
  Group             3   16757299  "calotta\curvilinea"
  Group             4    6750003  "calotta\rettilinea"
  Group             5    3407692  "piedritto"
  Group             6    3375359  "piedritto\piedritto_alto"
  Group             7   16724812  "piedritto\piedritto_basso"
  Group             8    3407846  "arco rovescio"

/ _____
/ FREEDOM CASE DEFINITIONS

  FreedomCase         1     0     1  "Freedom Case 1"


/ _____
/ LOAD CASE DEFINITIONS

  LoadCase            1     1  "PP"
   Gravity            2   -9.80665000000000E+0
   LCInclude          3

  LoadCase            2     0  "P_cop"
   LCInclude          3

  LoadCase            3     0  "SP_sx"
   LCInclude          3

  LoadCase            4     0  "SP_dx"
   LCInclude          3

  LoadCase            5     0  "V"
   LCInclude          3

  LoadCase            6     0  "SV_sx"
```

```
  LCInclude          3

 LoadCase            7     0  "SV_dx"
  LCInclude          3

 LoadCase            8     0  "dS_h"
  LCInclude          3

 LoadCase            9     0  "dS_V"
  LCInclude          3


/ _____________________________________________________________________________
/ INCREMENT ENVELOPES

 IncrementEnvelope   "Envelope Case"  Abs
 ON                  1
 ON                  2
 ON                  3
 ON                  4
 ON                  5
 ON                  6
 ON                  7
 ON                  8
 ON                  9
 ON                 10
 ON                 11
 ON                 12
 ON                 13
 ON                 14
 ON                 15
 ON                 16


/ _____________________________________________________________________________
/ COORDINATE SYSTEM DEFINITIONS

 CoordSys            1  "Global XYZ"  GlobalXYZ

 CoordSys            2  "carichi"  RectXYZ
  0.00000000000000E+0     1.08600000000000E+1     0.00000000000000E+0


/ _____________________________________________________________________________
/ NODE COORDINATES

 Node                1     0   -1.94830000000000E+0     3.33290000000000E+0     0.00000000000000E+0
 Node                2     0   -1.85947466801228E+0     3.38326015242999E+0     0.00000000000000E+0
 Node                3     0   -1.76934854991663E+0     3.43125356231625E+0     0.00000000000000E+0
 Node                4     0   -1.67798469298355E+0     3.47684665611138E+0     0.00000000000000E+0
 Node                5     0   -1.58544701033748E+0     3.52000753939703E+0     0.00000000000000E+0
 Node                6     0   -1.49180023624673E+0     3.56070601919538E+0     0.00000000000000E+0
 Node                7     0   -1.39710988083890E+0     3.59891362509054E+0     0.00000000000000E+0
 Node                8     0   -1.30144218427364E+0     3.63460362914487E+0     0.00000000000000E+0
 Node                9     0   -1.20486407040466E+0     3.66775106459638E+0     0.00000000000000E+0
 Node               10     0   -1.10744309996351E+0     3.69833274332411E+0     0.00000000000000E+0
 Node               11     0   -1.00924742329778E+0     3.72632727206921E+0     0.00000000000000E+0
 Node               12     0   -9.10345732696894E-1     3.75171506740058E+0     0.00000000000000E+0
 Node               13     0   -8.10807214338750E-1     3.77447836941427E+0     0.00000000000000E+0
 Node               14     0   -7.10701499890891E-1     3.79460125415739E+0     0.00000000000000E+0
 Node               15     0   -6.10098617800016E-1     3.81206964476759E+0     0.00000000000000E+0
 Node               16     0   -5.09068944303938E-1     3.82687132132050E+0     0.00000000000000E+0
 Node               17     0   -4.07683154200238E-1     3.83899592937806E+0     0.00000000000000E+0
 Node               18     0   -3.06012171406074E-1     3.84843498723200E+0     0.00000000000000E+0
 Node               19     0   -2.04127119343708E-1     3.85518189183707E+0     0.00000000000000E+0
 Node               20     0   -1.02099271186475E-1     3.85923192343026E+0     0.00000000000000E+0
```

Node	21	0	-3.80446542325164E-16	3.86058224883242E+0	0.00000000000000E+0
Node	22	0	1.02099271186474E-1	3.85923192343026E+0	0.00000000000000E+0
Node	23	0	2.04127119343707E-1	3.85518189183707E+0	0.00000000000000E+0
Node	24	0	3.06012171406073E-1	3.84843498723200E+0	0.00000000000000E+0
Node	25	0	4.07683154200237E-1	3.83899592937806E+0	0.00000000000000E+0
Node	26	0	5.09068944303936E-1	3.82687132132050E+0	0.00000000000000E+0
Node	27	0	6.10098617800015E-1	3.81206964476759E+0	0.00000000000000E+0
Node	28	0	7.10701499890890E-1	3.79460125415739E+0	0.00000000000000E+0
Node	29	0	8.10807214338749E-1	3.77447836941427E+0	0.00000000000000E+0
Node	30	0	9.10345732696893E-1	3.75171506740058E+0	0.00000000000000E+0
Node	31	0	1.00924742329778E+0	3.72632727206921E+0	0.00000000000000E+0
Node	32	0	1.10744309996351E+0	3.69833274332411E+0	0.00000000000000E+0
Node	33	0	1.20486407040466E+0	3.66775106459638E+0	0.00000000000000E+0
Node	34	0	1.30144218427364E+0	3.63460362914487E+0	0.00000000000000E+0
Node	35	0	1.39710988083890E+0	3.59891362509054E+0	0.00000000000000E+0
Node	36	0	1.49180023624673E+0	3.56070601919538E+0	0.00000000000000E+0
Node	37	0	1.58544701033748E+0	3.52000753939703E+0	0.00000000000000E+0
Node	38	0	1.67798469298354E+0	3.47684665611138E+0	0.00000000000000E+0
Node	39	0	1.76934854991663E+0	3.43125356231625E+0	0.00000000000000E+0
Node	40	0	1.85947466801228E+0	3.38326015242999E+0	0.00000000000000E+0
Node	41	0	1.94830000000000E+0	3.33290000000000E+0	0.00000000000000E+0
Node	42	0	2.11546000000000E+0	3.20923000000000E+0	0.00000000000000E+0
Node	43	0	2.28262000000000E+0	3.08556000000000E+0	0.00000000000000E+0
Node	44	0	2.44978000000000E+0	2.96189000000000E+0	0.00000000000000E+0
Node	45	0	2.61694000000000E+0	2.83822000000000E+0	0.00000000000000E+0
Node	46	0	2.78410000000000E+0	2.71455000000000E+0	0.00000000000000E+0
Node	47	0	2.95126000000000E+0	2.59088000000000E+0	0.00000000000000E+0
Node	48	0	3.11842000000000E+0	2.46721000000000E+0	0.00000000000000E+0
Node	49	0	3.28558000000000E+0	2.34354000000000E+0	0.00000000000000E+0
Node	50	0	3.45274000000000E+0	2.21987000000000E+0	0.00000000000000E+0
Node	51	0	3.61990000000000E+0	2.09620000000000E+0	0.00000000000000E+0
Node	52	0	0.00000000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	53	0	-2.11546000000000E+0	3.20923000000000E+0	0.00000000000000E+0
Node	54	0	-2.28262000000000E+0	3.08556000000000E+0	0.00000000000000E+0
Node	55	0	-2.44978000000000E+0	2.96189000000000E+0	0.00000000000000E+0
Node	56	0	-2.61694000000000E+0	2.83822000000000E+0	0.00000000000000E+0
Node	57	0	-2.78410000000000E+0	2.71455000000000E+0	0.00000000000000E+0
Node	58	0	-2.95126000000000E+0	2.59088000000000E+0	0.00000000000000E+0
Node	59	0	-3.11842000000000E+0	2.46721000000000E+0	0.00000000000000E+0
Node	60	0	-3.28558000000000E+0	2.34354000000000E+0	0.00000000000000E+0
Node	61	0	-3.45274000000000E+0	2.21987000000000E+0	0.00000000000000E+0
Node	62	0	-3.61990000000000E+0	2.09620000000000E+0	0.00000000000000E+0
Node	63	0	3.66914272971283E+0	1.89024296185021E+0	0.00000000000000E+0
Node	64	0	3.71328302196233E+0	1.68313240539995E+0	0.00000000000000E+0
Node	65	0	3.75229394019274E+0	1.47499471959599E+0	0.00000000000000E+0
Node	66	0	3.78615167804214E+0	1.26595692018946E+0	0.00000000000000E+0
Node	67	0	3.81483557387019E+0	1.05614657222461E+0	0.00000000000000E+0
Node	68	0	3.83832812336690E+0	8.45691712192458E-1	0.00000000000000E+0
Node	69	0	3.85661499023460E+0	6.34720769896678E-1	0.00000000000000E+0
Node	70	0	3.86968501493665E+0	4.23362490079458E-1	0.00000000000000E+0
Node	71	0	3.87753022150753E+0	2.11745853855208E-1	0.00000000000000E+0
Node	72	0	3.88015000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	73	0	-3.66914272971283E+0	1.89024296185021E+0	0.00000000000000E+0
Node	74	0	-3.71328302196233E+0	1.68313240539995E+0	0.00000000000000E+0
Node	75	0	-3.75229394019274E+0	1.47499471959599E+0	0.00000000000000E+0
Node	76	0	-3.78615167804214E+0	1.26595692018946E+0	0.00000000000000E+0
Node	77	0	-3.81483557387019E+0	1.05614657222461E+0	0.00000000000000E+0
Node	78	0	-3.83832812336690E+0	8.45691712192458E-1	0.00000000000000E+0
Node	79	0	-3.85661499023460E+0	6.34720769896678E-1	0.00000000000000E+0
Node	80	0	-3.86968501493665E+0	4.23362490079458E-1	0.00000000000000E+0
Node	81	0	-3.87753022150753E+0	2.11745853855208E-1	0.00000000000000E+0
Node	82	0	-3.88015000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	83	0	-3.49550000000000E+0	-3.56270000000000E+0	0.00000000000000E+0
Node	84	0	-3.33230782624253E+0	-3.60057547048123E+0	0.00000000000000E+0
Node	85	0	-3.16879248559635E+0	-3.63703051420949E+0	0.00000000000000E+0
Node	86	0	-3.00496634122818E+0	-3.67206237486980E+0	0.00000000000000E+0

Node	87	0	-2.84084177980416E+0	-3.70566840375206E+0	0.00000000000000E+0
Node	88	0	-2.67643121055332E+0	-3.73784605995134E+0	0.00000000000000E+0
Node	89	0	-2.51174706432936E+0	-3.76859291055994E+0	0.00000000000000E+0
Node	90	0	-2.34680179267073E+0	-3.79790663085141E+0	0.00000000000000E+0
Node	91	0	-2.18160786685924E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	92	0	-2.01617777697708E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	93	0	-1.85052403096246E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	94	0	-1.68465915366393E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	95	0	-1.51859568589340E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	96	0	-1.35234618347790E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	97	0	-1.18592321631029E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	98	0	-1.01933936739887E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	99	0	-8.52607231915959E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	100	0	-6.85739416245641E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	101	0	-5.18748537030578E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	102	0	-3.51647220218097E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	103	0	-1.84448100105556E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	104	0	-1.71638183850854E-2	-3.79790000000000E+0	0.00000000000000E+0
Node	105	0	3.49550000000000E+0	-3.56270000000000E+0	0.00000000000000E+0
Node	106	0	3.53876190604596E+0	-3.38827494401322E+0	0.00000000000000E+0
Node	107	0	3.57939848608508E+0	-3.21321963551490E+0	0.00000000000000E+0
Node	108	0	3.61740056791651E+0	-3.03757358674864E+0	0.00000000000000E+0
Node	109	0	3.65275957397965E+0	-2.86137644329578E+0	0.00000000000000E+0
Node	110	0	3.68546752329024E+0	-2.68466797512683E+0	0.00000000000000E+0
Node	111	0	3.71551703324176E+0	-2.50748806762490E+0	0.00000000000000E+0
Node	112	0	3.74290132127180E+0	-2.32987671258303E+0	0.00000000000000E+0
Node	113	0	3.76761420639292E+0	-2.15187399917756E+0	0.00000000000000E+0
Node	114	0	3.78965011058784E+0	-1.97352010491945E+0	0.00000000000000E+0
Node	115	0	3.81400406006844E+0	-1.79485528658573E+0	0.00000000000000E+0
Node	116	0	3.83567168639838E+0	-1.61591987113298E+0	0.00000000000000E+0
Node	117	0	3.84464922747919E+0	-1.43675424659509E+0	0.00000000000000E+0
Node	118	0	3.85593352839935E+0	-1.25739885296706E+0	0.00000000000000E+0
Node	119	0	3.86452204214643E+0	-1.07789417307727E+0	0.00000000000000E+0
Node	120	0	3.87541283018197E+0	-8.98280723449910E-1	0.00000000000000E+0
Node	121	0	3.87860456287904E+0	-7.18599045159911E-1	0.00000000000000E+0
Node	122	0	3.87909651982237E+0	-5.38889694682297E-1	0.00000000000000E+0
Node	123	0	3.87688858997090E+0	-3.59193234738058E-1	0.00000000000000E+0
Node	124	0	3.88198127168293E+0	-1.79550225138629E-1	0.00000000000000E+0
Node	125	0	3.33230782624253E+0	-3.60057547048123E+0	0.00000000000000E+0
Node	126	0	3.16879248559635E+0	-3.63703051420949E+0	0.00000000000000E+0
Node	127	0	3.00496634122818E+0	-3.67206237486980E+0	0.00000000000000E+0
Node	128	0	2.84084177980416E+0	-3.70566840375206E+0	0.00000000000000E+0
Node	129	0	2.67643121055332E+0	-3.73784605995134E+0	0.00000000000000E+0
Node	130	0	2.51174706432936E+0	-3.76859291055994E+0	0.00000000000000E+0
Node	131	0	2.34680179267073E+0	-3.79790663085141E+0	0.00000000000000E+0
Node	132	0	2.18160786685924E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	133	0	2.01617777697708E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	134	0	1.85052403096246E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	135	0	1.68465915366393E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	136	0	1.51859568589340E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	137	0	1.35234618347790E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	138	0	1.18592321631029E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	139	0	1.01933936739887E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	140	0	8.52607231915959E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	141	0	6.85739416245641E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	142	0	5.18748537030578E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	143	0	3.51647220218097E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	144	0	1.84448100105556E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	145	0	1.71638183850854E-2	-3.79790000000000E+0	0.00000000000000E+0
Node	146	0	-3.53876190604596E+0	-3.38827494401322E+0	0.00000000000000E+0
Node	147	0	-3.57939848608508E+0	-3.21321963551490E+0	0.00000000000000E+0
Node	148	0	-3.61740056791651E+0	-3.03757358674864E+0	0.00000000000000E+0
Node	149	0	-3.65275957397965E+0	-2.86137644329578E+0	0.00000000000000E+0
Node	150	0	-3.68546752329024E+0	-2.68466797512683E+0	0.00000000000000E+0
Node	151	0	-3.71551703324176E+0	-2.50748806762490E+0	0.00000000000000E+0
Node	152	0	-3.74290132127180E+0	-2.32987671258303E+0	0.00000000000000E+0

Node	153	0	-3.76761420639292E+0	-2.15187399917756E+0	0.00000000000000E+0
Node	154	0	-3.78965011058784E+0	-1.97352010491945E+0	0.00000000000000E+0
Node	155	0	-3.81400406006844E+0	-1.79485528658573E+0	0.00000000000000E+0
Node	156	0	-3.83567168639838E+0	-1.61591987113298E+0	0.00000000000000E+0
Node	157	0	-3.84464922747919E+0	-1.43675424659509E+0	0.00000000000000E+0
Node	158	0	-3.85593352839935E+0	-1.25739885296706E+0	0.00000000000000E+0
Node	159	0	-3.86452204214643E+0	-1.07789417307727E+0	0.00000000000000E+0
Node	160	0	-3.87541283018197E+0	-8.98280723449910E-1	0.00000000000000E+0
Node	161	0	-3.87860456287904E+0	-7.18599045159911E-1	0.00000000000000E+0
Node	162	0	-3.87909651982237E+0	-5.38889694682297E-1	0.00000000000000E+0
Node	163	0	-3.87688858997090E+0	-3.59193234738058E-1	0.00000000000000E+0
Node	164	0	-3.88198127168293E+0	-1.79550225138629E-1	0.00000000000000E+0

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/ BEAM ELEMENTS

Beam	1	0	3	1	2	1
Beam	2	0	3	1	3	2
Beam	3	0	3	1	4	3
Beam	4	0	3	1	5	4
Beam	5	0	3	1	6	5
Beam	6	0	3	1	7	6
Beam	7	0	3	1	8	7
Beam	8	0	3	1	9	8
Beam	9	0	3	1	10	9
Beam	10	0	3	1	11	10
Beam	11	0	3	1	12	11
Beam	12	0	3	1	13	12
Beam	13	0	3	1	14	13
Beam	14	0	3	1	15	14
Beam	15	0	3	1	16	15
Beam	16	0	3	1	17	16
Beam	17	0	3	1	18	17
Beam	18	0	3	1	19	18
Beam	19	0	3	1	20	19
Beam	20	0	3	1	21	20
Beam	21	0	3	1	22	21
Beam	22	0	3	1	23	22
Beam	23	0	3	1	24	23
Beam	24	0	3	1	25	24
Beam	25	0	3	1	26	25
Beam	26	0	3	1	27	26
Beam	27	0	3	1	28	27
Beam	28	0	3	1	29	28
Beam	29	0	3	1	30	29
Beam	30	0	3	1	31	30
Beam	31	0	3	1	32	31
Beam	32	0	3	1	33	32
Beam	33	0	3	1	34	33
Beam	34	0	3	1	35	34
Beam	35	0	3	1	36	35
Beam	36	0	3	1	37	36
Beam	37	0	3	1	38	37
Beam	38	0	3	1	39	38
Beam	39	0	3	1	40	39
Beam	40	0	3	1	41	40
Beam	41	0	4	2	42	41
Beam	42	0	4	3	43	42
Beam	43	0	4	4	44	43
Beam	44	0	4	5	45	44
Beam	45	0	4	6	46	45
Beam	46	0	4	7	47	46
Beam	47	0	4	8	48	47
Beam	48	0	4	9	49	48
Beam	49	0	4	10	50	49
Beam	50	0	4	11	51	50

Beam	51	0	4	2	1	53
Beam	52	0	4	3	53	54
Beam	53	0	4	4	54	55
Beam	54	0	4	5	55	56
Beam	55	0	4	6	56	57
Beam	56	0	4	7	57	58
Beam	57	0	4	8	58	59
Beam	58	0	4	9	59	60
Beam	59	0	4	10	60	61
Beam	60	0	4	11	61	62
Beam	61	0	6	10	63	51
Beam	62	0	6	9	64	63
Beam	63	0	6	8	65	64
Beam	64	0	6	7	66	65
Beam	65	0	6	6	67	66
Beam	66	0	6	5	68	67
Beam	67	0	6	4	69	68
Beam	68	0	6	3	70	69
Beam	69	0	6	2	71	70
Beam	70	0	6	1	72	71
Beam	71	0	6	10	62	73
Beam	72	0	6	9	73	74
Beam	73	0	6	8	74	75
Beam	74	0	6	7	75	76
Beam	75	0	6	6	76	77
Beam	76	0	6	5	77	78
Beam	77	0	6	4	78	79
Beam	78	0	6	3	79	80
Beam	79	0	6	2	80	81
Beam	80	0	6	1	81	82
Beam	81	0	8	27	83	84
Beam	82	0	8	28	84	85
Beam	83	0	8	29	85	86
Beam	84	0	8	30	86	87
Beam	85	0	8	31	87	88
Beam	86	0	8	32	88	89
Beam	87	0	8	1	89	90
Beam	88	0	8	1	90	91
Beam	89	0	8	1	91	92
Beam	90	0	8	1	92	93
Beam	91	0	8	1	93	94
Beam	92	0	8	1	94	95
Beam	93	0	8	1	95	96
Beam	94	0	8	1	96	97
Beam	95	0	8	1	97	98
Beam	96	0	8	1	98	99
Beam	97	0	8	1	99	100
Beam	98	0	8	1	100	101
Beam	99	0	8	1	101	102
Beam	100	0	8	1	102	103
Beam	101	0	8	1	103	104
Beam	102	0	7	27	105	106
Beam	103	0	7	50	106	107
Beam	104	0	7	49	107	108
Beam	105	0	7	48	108	109
Beam	106	0	7	47	109	110
Beam	107	0	7	46	110	111
Beam	108	0	7	45	111	112
Beam	109	0	7	44	112	113
Beam	110	0	7	43	113	114
Beam	111	0	7	42	114	115
Beam	112	0	7	41	115	116
Beam	113	0	7	40	116	117
Beam	114	0	7	39	117	118
Beam	115	0	7	38	118	119
Beam	116	0	7	37	119	120

```
  Beam          117    0    7    36   120   121
  Beam          118    0    7    35   121   122
  Beam          119    0    7    34   122   123
  Beam          120    0    7    33   123   124
  Beam          121    0    7     1   124    72
  Beam          122    0    8    27   125   105
  Beam          123    0    8    28   126   125
  Beam          124    0    8    29   127   126
  Beam          125    0    8    30   128   127
  Beam          126    0    8    31   129   128
  Beam          127    0    8    32   130   129
  Beam          128    0    8     1   131   130
  Beam          129    0    8     1   132   131
  Beam          130    0    8     1   133   132
  Beam          131    0    8     1   134   133
  Beam          132    0    8     1   135   134
  Beam          133    0    8     1   136   135
  Beam          134    0    8     1   137   136
  Beam          135    0    8     1   138   137
  Beam          136    0    8     1   139   138
  Beam          137    0    8     1   140   139
  Beam          138    0    8     1   141   140
  Beam          139    0    8     1   142   141
  Beam          140    0    8     1   143   142
  Beam          141    0    8     1   144   143
  Beam          142    0    8     1   145   144
  Beam          143    0    7    27   146    83
  Beam          144    0    7    50   147   146
  Beam          145    0    7    49   148   147
  Beam          146    0    7    48   149   148
  Beam          147    0    7    47   150   149
  Beam          148    0    7    46   151   150
  Beam          149    0    7    45   152   151
  Beam          150    0    7    44   153   152
  Beam          151    0    7    43   154   153
  Beam          152    0    7    42   155   154
  Beam          153    0    7    41   156   155
  Beam          154    0    7    40   157   156
  Beam          155    0    7    39   158   157
  Beam          156    0    7    38   159   158
  Beam          157    0    7    37   160   159
  Beam          158    0    7    36   161   160
  Beam          159    0    7    35   162   161
  Beam          160    0    7    34   163   162
  Beam          161    0    7    33   164   163
  Beam          162    0    7     1    82   164
  Beam          163    0    8     1   104   145

/ _____
/ BEAM SUPPORTS
/ Freedom Case 1
  BmSupport       1    1   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1    2   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1    3   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1    4   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1    5   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1    6   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1    7   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1    8   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1    9   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1   10   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1   11   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1   12   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1   13   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1   14   0.00000000000000E+0   8.14000000000000E+2   CompOnly
  BmSupport       1   15   0.00000000000000E+0   8.14000000000000E+2   CompOnly
```

BmSupport	1	16	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	17	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	18	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	19	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	20	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	21	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	22	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	23	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	24	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	25	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	26	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	27	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	28	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	29	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	30	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	31	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	32	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	33	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	34	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	35	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	36	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	37	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	38	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	39	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	40	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	41	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	42	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	43	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	44	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	45	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	46	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	47	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	48	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	49	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	50	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	51	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	52	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	53	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	54	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	55	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	56	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	57	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	58	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	59	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	60	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	61	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	62	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	63	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	64	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	65	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	66	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	67	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	68	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	69	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	70	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	71	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	72	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	73	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	74	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	75	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	76	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	77	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	78	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	79	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	80	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	81	0.00000000000000E+0	8.20646364281163E+5	CompOnly

BmSupport	1	82	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	83	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	84	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	85	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	86	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	87	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	88	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	89	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	90	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	91	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	92	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	93	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	94	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	95	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	96	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	97	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	98	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	99	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	100	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	101	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	102	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	103	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	104	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	105	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	106	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	107	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	108	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	109	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	110	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	111	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	112	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	113	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	114	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	115	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	116	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	117	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	118	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	119	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	120	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	121	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	122	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	123	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	124	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	125	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	126	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	127	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	128	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	129	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	130	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	131	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	132	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	133	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	134	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	135	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	136	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	137	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	138	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	139	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	140	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	141	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	142	0.00000000000000E+0	8.20646364281200E+5	CompOnly
BmSupport	1	143	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	144	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	145	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	146	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	147	0.00000000000000E+0	1.49579927300000E+6	CompOnly

```
  BmSupport          1   148   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   149   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   150   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   151   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   152   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   153   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   154   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   155   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   156   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   157   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   158   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   159   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   160   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   161   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   162   0.000000000000000E+0    1.495799273000000E+6    CompOnly
  BmSupport          1   163   0.000000000000000E+0    8.20646364281200E+5     CompOnly

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ P_cop
  BmDistLoadG        2    1    Y    1  -1.50038398475700E+2    -1.50038398475700E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    2    Y    1  -1.49054862852538E+2    -1.49054862852538E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    3    Y    1  -1.48118997815724E+2    -1.48118997815724E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    4    Y    1  -1.47231458044916E+2    -1.47231458044916E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    5    Y    1  -1.46392864414076E+2    -1.46392864414076E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    6    Y    1  -1.45603803557141E+2    -1.45603803557141E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    7    Y    1  -1.44864827457646E+2    -1.44864827457646E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    8    Y    1  -1.44176453062587E+2    -1.44176453062587E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    9    Y    1  -1.43539161920795E+2    -1.43539161920795E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    10   Y    1  -1.42953399846067E+2    -1.42953399846067E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    11   Y    1  -1.42419576605302E+2    -1.42419576605302E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    12   Y    1  -1.41938065631851E+2    -1.41938065631851E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    13   Y    1  -1.41509203764283E+2    -1.41509203764283E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    14   Y    1  -1.41133291010750E+2    -1.41133291010750E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    15   Y    1  -1.40810590339119E+2    -1.40810590339119E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    16   Y    1  -1.40541327493014E+2    -1.40541327493014E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    17   Y    1  -1.40325690833899E+2    -1.40325690833899E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    18   Y    1  -1.40163831209309E+2    -1.40163831209309E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    19   Y    1  -1.40055861847327E+2    -1.40055861847327E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    20   Y    1  -1.40001858277373E+2    -1.40001858277373E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    21   Y    1  -1.40001858277373E+2    -1.40001858277373E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    22   Y    1  -1.40055861847327E+2    -1.40055861847327E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG        2    23   Y    1  -1.40163831209309E+2    -1.40163831209309E+2    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
```

BmDistLoadG 2 24 Y 1 -1.40325690833899E+2 -1.40325690833899E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 25 Y 1 -1.40541327493014E+2 -1.40541327493014E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 26 Y 1 -1.40810590339119E+2 -1.40810590339119E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 27 Y 1 -1.41133291010750E+2 -1.41133291010750E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 28 Y 1 -1.41509203764283E+2 -1.41509203764283E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 29 Y 1 -1.41938065631851E+2 -1.41938065631851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 30 Y 1 -1.42419576605302E+2 -1.42419576605302E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 31 Y 1 -1.42953399846067E+2 -1.42953399846067E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 32 Y 1 -1.43539161920795E+2 -1.43539161920795E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 33 Y 1 -1.44176453062587E+2 -1.44176453062587E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 34 Y 1 -1.44864827457646E+2 -1.44864827457646E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 35 Y 1 -1.45603803557141E+2 -1.45603803557141E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 36 Y 1 -1.46392864414076E+2 -1.46392864414076E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 37 Y 1 -1.47231458044916E+2 -1.47231458044916E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 38 Y 1 -1.48118997815724E+2 -1.48118997815724E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 39 Y 1 -1.49054862852538E+2 -1.49054862852538E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 40 Y 1 -1.50038398475700E+2 -1.50038398475700E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 41 Y 1 -1.51778700000000E+2 -1.51778700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 42 Y 1 -1.54252100000000E+2 -1.54252100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 43 Y 1 -1.56725500000000E+2 -1.56725500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 44 Y 1 -1.59198900000000E+2 -1.59198900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 45 Y 1 -1.61672300000000E+2 -1.61672300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 46 Y 1 -1.64145700000000E+2 -1.64145700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 47 Y 1 -1.66619100000000E+2 -1.66619100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 48 Y 1 -1.69092500000000E+2 -1.69092500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 49 Y 1 -1.71565900000000E+2 -1.71565900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 50 Y 1 -1.74039300000000E+2 -1.74039300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 51 Y 1 -1.51778700000000E+2 -1.51778700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 52 Y 1 -1.54252100000000E+2 -1.54252100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 53 Y 1 -1.56725500000000E+2 -1.56725500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 54 Y 1 -1.59198900000000E+2 -1.59198900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 55 Y 1 -1.61672300000000E+2 -1.61672300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 56 Y 1 -1.64145700000000E+2 -1.64145700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

```
  BmDistLoadG        2    57    Y    1  -1.66619100000000E+2   -1.66619100000000E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        2    58    Y    1  -1.69092500000000E+2   -1.69092500000000E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        2    59    Y    1  -1.71565900000000E+2   -1.71565900000000E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        2    60    Y    1  -1.74039300000000E+2   -1.74039300000000E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SP_sx
  BmDistLoadG        3    1    X    1  8.70222711159060E+1    8.70222711159060E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    2    X    1  8.64518204544718E+1    8.64518204544718E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    3    X    1  8.59090187331197E+1    8.59090187331197E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    4    X    1  8.53942456660512E+1    8.53942456660512E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    5    X    1  8.49078613601640E+1    8.49078613601640E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    6    X    1  8.44502060631416E+1    8.44502060631416E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    7    X    1  8.40215999254346E+1    8.40215999254346E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    8    X    1  8.36223427763007E+1    8.36223427763007E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    9    X    1  8.32527139140611E+1    8.32527139140611E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    10    X    1  8.29129719107187E+1    8.29129719107187E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    11    X    1  8.26033544310752E+1    8.26033544310752E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    12    X    1  8.23240780664738E+1    8.23240780664738E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    13    X    1  8.20753381832843E+1    8.20753381832843E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    14    X    1  8.18573087862351E+1    8.18573087862351E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    15    X    1  8.16701423966891E+1    8.16701423966891E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    16    X    1  8.15139699459483E+1    8.15139699459483E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    17    X    1  8.13889006836616E+1    8.13889006836616E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    18    X    1  8.12950221013994E+1    8.12950221013994E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    19    X    1  8.12323998714495E+1    8.12323998714495E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    20    X    1  8.12010778008764E+1    8.12010778008764E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    51    X    1  8.80316460000000E+1    8.80316460000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    52    X    1  8.94662180000000E+1    8.94662180000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    53    X    1  9.09007900000000E+1    9.09007900000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    54    X    1  9.23353620000000E+1    9.23353620000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    55    X    1  9.37699340000000E+1    9.37699340000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    56    X    1  9.52045060000000E+1    9.52045060000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3    57    X    1  9.66390780000000E+1    9.66390780000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
```

BmDistLoadG 3 58 X 1 9.80736500000000E+1 9.80736500000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 59 X 1 9.95082220000000E+1 9.95082220000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 60 X 1 1.00942794000000E+2 1.00942794000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 71 X 1 1.02854630821268E+2 1.02854630821268E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 72 X 1 1.05250422869949E+2 1.05250422869949E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 73 X 1 1.07658862675023E+2 1.07658862675023E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 74 X 1 1.10078480489244E+2 1.10078480489244E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 75 X 1 1.12507799743998E+2 1.12507799743998E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 76 X 1 1.14945337950381E+2 1.14945337950381E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 77 X 1 1.17389607603883E+2 1.17389607603883E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 78 X 1 1.19839117092138E+2 1.19839117092138E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 79 X 1 1.22292371605178E+2 1.22292371605178E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 80 X 1 1.24747874047639E+2 1.24747874047639E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 143 X 1 1.66291654675277E+2 1.66291654675277E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 144 X 1 1.64264668561263E+2 1.64264668561263E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 145 X 1 1.62230600689128E+2 1.62230600689128E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 146 X 1 1.60189910174258E+2 1.60189910174258E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 147 X 1 1.58143057626851E+2 1.58143057626851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 148 X 1 1.56090505047960E+2 1.56090505047960E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 149 X 1 1.54032715725206E+2 1.54032715725206E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 150 X 1 1.51970154128211E+2 1.51970154128211E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 151 X 1 1.49903285803763E+2 1.49903285803763E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 152 X 1 1.47832577270730E+2 1.47832577270730E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 153 X 1 1.45758495914769E+2 1.45758495914769E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 154 X 1 1.43681509882823E+2 1.43681509882823E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 155 X 1 1.41602087977460E+2 1.41602087977460E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 156 X 1 1.39520699551057E+2 1.39520699551057E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 157 X 1 1.37437814399858E+2 1.37437814399858E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 158 X 1 1.35353902657937E+2 1.35353902657937E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 159 X 1 1.33269434691085E+2 1.33269434691085E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 160 X 1 1.31184880990638E+2 1.31184880990638E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 161 X 1 1.29100712067285E+2 1.29100712067285E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 162 X 1 1.27017391305804E+2 1.27017391305804E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS

/ SP_dx

BmDistLoadG 4 21 X 1 -8.12010778008764E+1 -8.12010778008764E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 22 X 1 -8.12323998714495E+1 -8.12323998714495E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 23 X 1 -8.12950221013994E+1 -8.12950221013994E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 24 X 1 -8.13889006836616E+1 -8.13889006836616E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 25 X 1 -8.15139699459483E+1 -8.15139699459483E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 26 X 1 -8.16701423966891E+1 -8.16701423966891E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 27 X 1 -8.18573087862351E+1 -8.18573087862351E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 28 X 1 -8.20753381832843E+1 -8.20753381832843E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 29 X 1 -8.23240780664738E+1 -8.23240780664738E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 30 X 1 -8.26033544310752E+1 -8.26033544310752E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 31 X 1 -8.29129719107187E+1 -8.29129719107187E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 32 X 1 -8.32527139140611E+1 -8.32527139140611E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 33 X 1 -8.36223427763007E+1 -8.36223427763007E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 34 X 1 -8.40215999254346E+1 -8.40215999254346E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 35 X 1 -8.44502060631416E+1 -8.44502060631416E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 36 X 1 -8.49078613601640E+1 -8.49078613601640E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 37 X 1 -8.53942456660512E+1 -8.53942456660512E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 38 X 1 -8.59090187331197E+1 -8.59090187331197E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 39 X 1 -8.64518204544718E+1 -8.64518204544718E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 40 X 1 -8.70222711159060E+1 -8.70222711159060E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 41 X 1 -8.80316460000000E+1 -8.80316460000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 42 X 1 -8.94662180000000E+1 -8.94662180000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 43 X 1 -9.09007900000000E+1 -9.09007900000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 44 X 1 -9.23353620000000E+1 -9.23353620000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 45 X 1 -9.37699340000000E+1 -9.37699340000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 46 X 1 -9.52045060000000E+1 -9.52045060000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 47 X 1 -9.66390780000000E+1 -9.66390780000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 48 X 1 -9.80736500000000E+1 -9.80736500000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 49 X 1 -9.95082220000000E+1 -9.95082220000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 50 X 1 -1.00942794000000E+2 -1.00942794000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 61 X 1 -1.02854630821268E+2 -1.02854630821268E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 62 X 1 -1.05250422869949E+2 -1.05250422869949E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 63 X 1 -1.07658862675023E+2 -1.07658862675023E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 64 X 1 -1.10078480489244E+2 -1.10078480489244E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 65 X 1 -1.12507799743998E+2 -1.12507799743998E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 66 X 1 -1.14945337950381E+2 -1.14945337950381E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 67 X 1 -1.17389607603883E+2 -1.17389607603883E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 68 X 1 -1.19839117092138E+2 -1.19839117092138E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 69 X 1 -1.22292371605178E+2 -1.22292371605178E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 70 X 1 -1.24747874047639E+2 -1.24747874047639E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 102 X 1 -1.66291654675277E+2 -1.66291654675277E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 103 X 1 -1.64264668561263E+2 -1.64264668561263E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 104 X 1 -1.62230600689128E+2 -1.62230600689128E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 105 X 1 -1.60189910174258E+2 -1.60189910174258E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 106 X 1 -1.58143057626851E+2 -1.58143057626851E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 107 X 1 -1.56090505047960E+2 -1.56090505047960E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 108 X 1 -1.54032715725206E+2 -1.54032715725206E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 109 X 1 -1.51970154128211E+2 -1.51970154128211E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 110 X 1 -1.49903285803763E+2 -1.49903285803763E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 111 X 1 -1.47832577270730E+2 -1.47832577270730E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 112 X 1 -1.45758495914769E+2 -1.45758495914769E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 113 X 1 -1.43681509882823E+2 -1.43681509882823E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 114 X 1 -1.41602087977460E+2 -1.41602087977460E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 115 X 1 -1.39520699551057E+2 -1.39520699551057E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 116 X 1 -1.37437814399858E+2 -1.37437814399858E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 117 X 1 -1.35353902657937E+2 -1.35353902657937E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 118 X 1 -1.33269434691085E+2 -1.33269434691085E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 119 X 1 -1.31184880990638E+2 -1.31184880990638E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 120 X 1 -1.29100712067285E+2 -1.29100712067285E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 121 X 1 -1.27017391305804E+2 -1.27017391305804E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
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BmDistLoadG 5 1 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 2 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 5 3 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 4 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 5 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 6 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 7 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 8 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 9 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 10 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 11 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 12 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 13 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 14 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 15 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 16 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 17 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 18 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 19 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 20 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 21 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 22 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 23 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 24 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 25 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 26 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 27 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 28 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 29 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 30 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 31 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 32 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 33 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 34 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 35 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

```
  BmDistLoadG         5    36    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    37    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    38    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    39    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    40    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    41    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    42    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    43    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    44    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    45    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    46    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    47    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    48    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    49    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    50    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    51    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    52    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    53    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    54    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    55    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    56    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    57    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    58    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    59    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    60    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SV_sx
  BmDistLoadG         6     1    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     2    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     3    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     4    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     5    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     6    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
```

BmDistLoadG 6 7 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 8 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 9 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 10 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 11 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 12 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 13 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 14 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 15 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 16 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 17 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 18 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 19 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 20 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 21 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 51 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 52 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 53 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 54 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 55 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 56 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 57 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 58 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 59 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 60 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 71 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 72 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 73 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 74 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 75 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 76 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 77 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 78 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 6 79 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 80 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 143 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 144 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 145 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 146 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 147 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 148 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 149 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 150 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 151 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 152 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 153 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 154 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 155 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 156 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 157 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 158 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 159 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 160 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 161 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 162 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SV_dx
BmDistLoadG 7 22 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 23 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 24 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 25 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 26 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 27 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 28 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 29 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 30 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 31 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 32 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 33 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 34 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 35 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 36 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 37 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 38 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 39 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 40 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 41 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 42 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 43 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 44 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 45 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 46 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 47 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 48 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 49 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 50 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 61 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 62 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 63 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 64 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 65 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 66 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 67 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 68 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 69 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 70 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 102 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 103 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 104 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 105 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 106 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 107 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 108 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 109 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 110 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 111 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 112 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 113 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 114 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 115 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 116 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 117 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 118 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 119 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 120 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 121 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ dS_h
BmDistLoadG 8 1 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 2 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 3 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 4 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 5 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 6 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 7 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 8 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 9 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 10 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 11 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 12 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 13 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 14 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected

BmDistLoadG 8 15 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 16 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 17 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 18 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 19 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 20 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 51 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 52 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 53 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 54 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 55 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 56 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 57 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 58 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 59 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 60 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 71 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 72 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 73 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 74 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 75 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 76 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 77 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 78 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 79 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 80 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 143 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 144 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 145 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 146 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 147 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 148 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 149 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected

BmDistLoadG 8 150 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 151 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 152 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 153 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 154 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 155 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 156 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 157 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 158 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 159 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 160 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 161 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 162 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ dS_V
BmDistLoadG 9 1 Y 1 -1.56790126407106E+1 -1.56790126407106E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 2 Y 1 -1.55762331680901E+1 -1.55762331680901E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 3 Y 1 -1.54784352717431E+1 -1.54784352717431E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 4 Y 1 -1.53856873656937E+1 -1.53856873656937E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 5 Y 1 -1.52980543312709E+1 -1.52980543312709E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 6 Y 1 -1.52155974717212E+1 -1.52155974717212E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 7 Y 1 -1.51383744693239E+1 -1.51383744693239E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 8 Y 1 -1.50664393450403E+1 -1.50664393450403E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 9 Y 1 -1.49998424207230E+1 -1.49998424207230E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 10 Y 1 -1.49386302839139E+1 -1.49386302839139E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 11 Y 1 -1.48828457552540E+1 -1.48828457552540E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 12 Y 1 -1.48325278585284E+1 -1.48325278585284E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 13 Y 1 -1.47877117933676E+1 -1.47877117933676E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 14 Y 1 -1.47484289106233E+1 -1.47484289106233E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 15 Y 1 -1.47147066904379E+1 -1.47147066904379E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 16 Y 1 -1.46865687230200E+1 -1.46865687230200E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 17 Y 1 -1.46640346921424E+1 -1.46640346921424E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 18 Y 1 -1.46471203613728E+1 -1.46471203613728E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected

BmDistLoadG 9 19 Y 1 -1.46358375630456E+1 -1.46358375630456E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 20 Y 1 -1.46301941899855E+1 -1.46301941899855E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 21 Y 1 -1.46301941899855E+1 -1.46301941899855E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 22 Y 1 -1.46358375630456E+1 -1.46358375630456E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 23 Y 1 -1.46471203613728E+1 -1.46471203613728E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 24 Y 1 -1.46640346921424E+1 -1.46640346921424E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 25 Y 1 -1.46865687230200E+1 -1.46865687230200E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 26 Y 1 -1.47147066904379E+1 -1.47147066904379E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 27 Y 1 -1.47484289106233E+1 -1.47484289106233E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 28 Y 1 -1.47877117933676E+1 -1.47877117933676E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 29 Y 1 -1.48325278585284E+1 -1.48325278585284E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 30 Y 1 -1.48828457552540E+1 -1.48828457552540E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 31 Y 1 -1.49386302839139E+1 -1.49386302839139E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 32 Y 1 -1.49998424207230E+1 -1.49998424207230E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 33 Y 1 -1.50664393450403E+1 -1.50664393450403E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 34 Y 1 -1.51383744693239E+1 -1.51383744693239E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 35 Y 1 -1.52155974717212E+1 -1.52155974717212E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 36 Y 1 -1.52980543312709E+1 -1.52980543312709E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 37 Y 1 -1.53856873656937E+1 -1.53856873656937E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 38 Y 1 -1.54784352717431E+1 -1.54784352717431E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 39 Y 1 -1.55762331680901E+1 -1.55762331680901E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 40 Y 1 -1.56790126407106E+1 -1.56790126407106E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 41 Y 1 -1.58608741500000E+1 -1.58608741500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 42 Y 1 -1.61193444500000E+1 -1.61193444500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 43 Y 1 -1.63778147500000E+1 -1.63778147500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 44 Y 1 -1.66362850500000E+1 -1.66362850500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 45 Y 1 -1.68947553500000E+1 -1.68947553500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 46 Y 1 -1.71532256500000E+1 -1.71532256500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 47 Y 1 -1.74116959500000E+1 -1.74116959500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 48 Y 1 -1.76701662500000E+1 -1.76701662500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 49 Y 1 -1.79286365500000E+1 -1.79286365500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 50 Y 1 -1.81871068500000E+1 -1.81871068500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 51 Y 1 -1.58608741500000E+1 -1.58608741500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected

```
  BmDistLoadG          9    52    Y    1  -1.61193444500000E+1   -1.61193444500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    53    Y    1  -1.63778147500000E+1   -1.63778147500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    54    Y    1  -1.66362850500000E+1   -1.66362850500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    55    Y    1  -1.68947553500000E+1   -1.68947553500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    56    Y    1  -1.71532256500000E+1   -1.71532256500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    57    Y    1  -1.74116959500000E+1   -1.74116959500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    58    Y    1  -1.76701662500000E+1   -1.76701662500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    59    Y    1  -1.79286365500000E+1   -1.79286365500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    60    Y    1  -1.81871068500000E+1   -1.81871068500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected

/ _____
/ BEAM PROPERTIES

  BeamProp             1   16737843   "Beam Property 1"
    MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
    Modulus           2.74600000000000E+4
    ShearMod          1.14420000000000E+4
    Poisson           2.00000000000000E-1
    UsePoisson        TRUE
    Density           2.40000000000000E+3
    Expansion         1.00000000000000E-5
    ThermalCond       1.37000000000000E+0
    SpecificHeat      8.80000000000000E+2
    InstantAlpha      FALSE
    Area              8.00000000000000E-1
    MomentI11         4.26666666670000E-2
    MomentI22         6.66666666670000E-2
    MomentJ           9.03304533330000E-2
    SectionType       SolidRect
      B               1.00000000000000E+0
      D               8.00000000000000E-1
      CT              FALSE
    TimeDependentMod  Elastic
    UseMomCurv        FALSE
    NonLinType        Elasticplastic
    Hardening         Isotropic

  BeamProp             2    3355647   "Beam Property 2"
    MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
    Modulus           2.74600000000000E+4
    ShearMod          1.14420000000000E+4
    Poisson           2.00000000000000E-1
    UsePoisson        TRUE
    Density           2.40000000000000E+3
    Expansion         1.00000000000000E-5
    ThermalCond       1.37000000000000E+0
    SpecificHeat      8.80000000000000E+2
    InstantAlpha      FALSE
    Area              8.67000000000000E-1
    MomentI11         5.43095302500000E-2
    MomentI22         7.22500000000000E-2
    MomentJ           1.07071853237000E-1
    SectionType       SolidRect
      B               1.00000000000000E+0
      D               8.67000000000000E-1
      CT              FALSE
    TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              3    3407692   "Beam Property 3"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              9.34000000000000E-1
  MomentI11         6.78983753330000E-2
  MomentI22         7.78333333330000E-2
  MomentJ           1.24102616742000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               9.34000000000000E-1
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              4    3407846   "Beam Property 4"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.00100000000000E+0
  MomentI11         8.35835834170000E-2
  MomentI22         8.34166666670000E-2
  MomentJ           1.40982683983000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.00100000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              5    16757299   "Beam Property 5"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.06800000000000E+0
  MomentI11         1.01515536000000E-1
  MomentI22         8.90000000000000E-2
```

```
 MomentJ           1.62229712859000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.06800000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             6    16724966   "Beam Property 6"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.13500000000000E+0
 MomentI11         1.21844614583000E-1
 MomentI22         9.45833333330000E-2
 MomentJ           1.83604992658000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.13500000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             7    6750003   "Beam Property 7"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.20200000000000E+0
 MomentI11         1.44721200667000E-1
 MomentI22         1.00166666667000E-1
 MomentJ           2.05087077094000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.20200000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             8    3375359   "Beam Property 8"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.26900000000000E+0
  MomentI11          1.70295675750000E-1
  MomentI22          1.05750000000000E-1
  MomentJ            2.26659049120000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.26900000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             9    16724812   "Beam Property 9"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.33600000000000E+0
  MomentI11          1.98718421333000E-1
  MomentI22          1.11333333333000E-1
  MomentJ            2.48307385230000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.33600000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             10    8401919   "Beam Property 10"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.40300000000000E+0
  MomentI11          2.30139818917000E-1
  MomentI22          1.16916666667000E-1
  MomentJ            2.70021145165000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.40300000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             11    11730739   "Beam Property 11"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.47000000000000E+0
  MomentI11        2.64710250000000E-1
  MomentI22        1.22500000000000E-1
  MomentJ          2.91791383220000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.47000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           12    3394815   "Beam Property 12"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             6.00000000000000E-1
  MomentI11        1.80000000000000E-2
  MomentI22        5.00000000000000E-2
  MomentJ          4.61318400000000E-2
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               6.00000000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           13    16724889   "Beam Property 13"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             6.83300000000000E-1
  MomentI11        2.65860009610000E-2
  MomentI22        5.69416666670000E-2
  MomentJ          6.31470420770000E-2
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               6.83300000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
```

```
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             14    13382655   "Beam Property 14"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              7.66670000000000E-1
 MomentI11         3.75529589530000E-2
 MomentI22         6.38891666670000E-2
 MomentJ           8.22503849030000E-2
 SectionType       SolidRect
  B                1.00000000000000E+0
  D                7.66670000000000E-1
  CT               FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             15    16777011   "Beam Property 15"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              8.50000000000000E-1
 MomentI11         5.11770833330000E-2
 MomentI22         7.08333333330000E-2
 MomentJ           1.02777912917000E-1
 SectionType       SolidRect
  B                1.00000000000000E+0
  D                8.50000000000000E-1
  CT               FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             16     3407769   "Beam Property 16"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              9.33330000000000E-1
 MomentI11         6.77523604960000E-2
 MomentI22         7.77775000000000E-2
```

```
  MomentJ           1.23932497010000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               9.33330000000000E-1
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            17    15096878   "Beam Property 17"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.01667000000000E+0
  MomentI11         8.75706915920000E-2
  MomentI22         8.47225000000000E-2
  MomentJ           1.45939124429000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.01667000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            18    3026662   "Beam Property 18"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.10000000000000E+0
  MomentI11         1.10916666667000E-1
  MomentI22         9.16666666670000E-2
  MomentJ           1.72424242424000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.10000000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            19    3073605   "Beam Property 19"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
```

```
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.18333000000000E+0
 MomentI11          1.38081780636000E-1
 MomentI22          9.86108333330000E-2
 MomentJ            1.99091261919000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.18333000000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            20    3073743   "Beam Property 20"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.26667000000000E+0
 MomentI11          1.69359361732000E-1
 MomentI22          1.05555833333000E-1
 MomentJ            2.25907507849000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.26667000000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            21    15114542   "Beam Property 21"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.35000000000000E+0
 MomentI11          2.05031250000000E-1
 MomentI22          1.12500000000000E-1
 MomentJ            2.52839506173000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.35000000000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            22    15085263   "Beam Property 22"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.43333000000000E+0
  MomentI11        2.45390263276000E-1
  MomentI22        1.19444166667000E-1
  MomentJ          2.79869718046000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.43333000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           23    6088238   "Beam Property 23"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.51667000000000E+0
  MomentI11        2.90731469371000E-1
  MomentI22        1.26389166667000E-1
  MomentJ          3.06985212978000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.51667000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           24    3044326   "Beam Property 24"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.60000000000000E+0
  MomentI11        3.41333333333000E-1
  MomentI22        1.33333333333000E-1
  MomentJ          3.34166666667000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.60000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              25    15085125   "Beam Property 25"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.68330000000000E+0
  MomentI11         3.97469056795000E-1
  MomentI22         1.40275000000000E-1
  MomentJ           3.61397233609000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.68330000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              26     7548646   "Beam Property 26"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.76666700000000E+0
  MomentI11         4.59497173673000E-1
  MomentI22         1.47222250000000E-1
  MomentJ           3.88700318904000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.76666700000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              27    10610222   "Beam Property 27"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.54000000000000E+0
  MomentI11         3.04355333333000E-1
  MomentI22         1.28333333333000E-1
```

```
 MomentJ           3.14588744589000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.54000000000000E+0
  CT             FALSE
 TimeDependentMod   Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             28    3061990   "Beam Property 28"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.41000000000000E+0
 MomentI11         2.33601750000000E-1
 MomentI22         1.17500000000000E-1
 MomentJ           2.72293144208000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.41000000000000E+0
  CT             FALSE
 TimeDependentMod   Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             29    15085194   "Beam Property 29"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.33000000000000E+0
 MomentI11         1.96053083333000E-1
 MomentI22         1.10833333333000E-1
 MomentJ           2.46365914787000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.33000000000000E+0
  CT             FALSE
 TimeDependentMod   Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             30    12070630   "Beam Property 30"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.20000000000000E+0
  MomentI11          1.44000000000000E-1
  MomentI22          1.00000000000000E-1
  MomentJ            2.04444444444000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.20000000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             31    15132206   "Beam Property 31"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.07000000000000E+0
  MomentI11          1.02086916667000E-1
  MomentI22          8.91666666670000E-2
  MomentJ            1.62866043614000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.07000000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             32     3073674   "Beam Property 32"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.00000000000000E+0
  MomentI11          8.33333333330000E-2
  MomentI22          8.33333333330000E-2
  MomentJ            1.40666666667000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.00000000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             33    13390377   "Beam Property 33"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             8.38947000000000E-1
  MomentI11        4.92064835530000E-2
  MomentI22        6.99122500000000E-2
  MomentJ          9.99999072150000E-2
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               8.38947000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           34    2697676  "Beam Property 34"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             8.77895000000000E-1
  MomentI11        5.63827793820000E-2
  MomentI22        7.31579166670000E-2
  MomentJ          1.09834225012000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               8.77895000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           35    2739261  "Beam Property 35"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             9.16842000000000E-1
  MomentI11        6.42247250240000E-2
  MomentI22        7.64035000000000E-2
  MomentJ          1.19740757460000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               9.16842000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              36    2739384   "Beam Property 36"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              9.55789000000000E-1
  MomentI11         7.27620351820000E-2
  MomentI22         7.96490833330000E-2
  MomentJ           1.29620217916000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               9.55789000000000E-1
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              37    13405993   "Beam Property 37"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              9.94737000000000E-1
  MomentI11         8.20244959770000E-2
  MomentI22         8.28947500000000E-2
  MomentJ           1.39366107904000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               9.94737000000000E-1
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              38    13380024   "Beam Property 38"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.03368400000000E+0
  MomentI11         9.20411711530000E-2
  MomentI22         8.61403333330000E-2
```

```
 MomentJ           1.51329836409000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.03368400000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             39    5426217   "Beam Property 39"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.07263200000000E+0
 MomentI11         1.02842115472000E-1
 MomentI22         8.93860000000000E-2
 MomentJ           1.63703627284000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.07263200000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             40    2713292   "Beam Property 40"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.11157900000000E+0
 MomentI11         1.14456313677000E-1
 MomentI22         9.26315833330000E-2
 MomentJ           1.76119766938000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.11157900000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             41   13379901   "Beam Property 41"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.15052600000000E+0
  MomentI11          1.26913571640000E-1
  MomentI22          9.58771666670000E-2
  MomentJ            1.88574239573000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.15052600000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             42    6695372   "Beam Property 42"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.18947400000000E+0
  MomentI11          1.40243781816000E-1
  MomentI22          9.91228333330000E-2
  MomentJ            2.01063600851000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.18947400000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             43    9423913   "Beam Property 43"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.22842100000000E+0
  MomentI11          1.54475799069000E-1
  MomentI22          1.02368416667000E-1
  MomentJ            2.13583921484000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.22842100000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             44    2728908   "Beam Property 44"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.26736800000000E+0
  MomentI11        1.69639493071000E-1
  MomentI22        1.05614000000000E-1
  MomentJ          2.26132637988000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.26736800000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           45   13379962  "Beam Property 45"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.30631600000000E+0
  MomentI11        1.85764829183000E-1
  MomentI22        1.08859666667000E-1
  MomentJ          2.38707533720000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.30631600000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           46   10693068  "Beam Property 46"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.34526300000000E+0
  MomentI11        2.02880518737000E-1
  MomentI22        1.12105250000000E-1
  MomentJ          2.51305717214000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.34526300000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
```

```
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             47    13421609   "Beam Property 47"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.38421100000000E+0
 MomentI11         2.21016981042000E-1
 MomentI22         1.15350916667000E-1
 MomentJ           2.63925842356000E-1
 SectionType       SolidRect
  B                1.00000000000000E+0
  D                1.38421100000000E+0
  CT               FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             48     2739322   "Beam Property 48"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.42315800000000E+0
 MomentI11         2.40202824160000E-1
 MomentI22         1.18596500000000E-1
 MomentJ           2.76565486279000E-1
 SectionType       SolidRect
  B                1.00000000000000E+0
  D                1.42315800000000E+0
  CT               FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             49    11683620   "Beam Property 49"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.46210500000000E+0
 MomentI11         2.60468039268000E-1
 MomentI22         1.21842083333000E-1
```

```
   MomentJ           2.89223387063000E-1
   SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.46210500000000E+0
    CT              FALSE
   TimeDependentMod  Elastic
   UseMomCurv        FALSE
   NonLinType        Elasticplastic
   Hardening         Isotropic

  BeamProp             50    2368690   "Beam Property 50"
   MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
   Modulus           2.74600000000000E+4
   ShearMod          1.14420000000000E+4
   Poisson           2.00000000000000E-1
   UsePoisson        TRUE
   Density           2.40000000000000E+3
   Expansion         1.00000000000000E-5
   ThermalCond       1.37000000000000E+0
   SpecificHeat      8.80000000000000E+2
   InstantAlpha      FALSE
   Area              1.50105300000000E+0
   MomentI11         2.81842728401000E-1
   MomentI22         1.25087750000000E-1
   MomentJ           3.01898449246000E-1
   SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.50105300000000E+0
    CT              FALSE
   TimeDependentMod  Elastic
   UseMomCurv        FALSE
   NonLinType        Elasticplastic
   Hardening         Isotropic


/ _____________________________________________________________________________
/ LINEAR STATIC SOLVER DATA

  LoadFreedomSetLSA      1   ON
    1     2     3     4     5     6     7     8
    9


/ _____________________________________________________________________________
/ LINEAR BUCKLING SOLVER DATA

  BuckNumModes          4

  BuckShift          0.00000000000000E+0


/ _____________________________________________________________________________
/ LOAD INFLUENCE SOLVER DATA

  LoadFreedomSetLIA      1   ON
    1


/ _____________________________________________________________________________
/ NON-LINEAR STATIC SOLVER DATA

  NonLinearIncrement     0   Yes  "SLU1"
    LON1   1.30000000000000E+0
    LON2   1.30000000000000E+0
    LON3   1.30000000000000E+0
    LON4   1.30000000000000E+0
```

```
  LON5   1.500000000000000E+0
  LON6   1.500000000000000E+0
  LON7   1.500000000000000E+0
  FON1   1.000000000000000E+0

 NonLinearIncrement     0  Yes  "SLU2"
  LON1   1.300000000000000E+0
  LON2   1.300000000000000E+0
  LON3   1.000000000000000E+0
  LON4   1.000000000000000E+0
  LON5   1.500000000000000E+0
  FON1   1.000000000000000E+0

 NonLinearIncrement     0  Yes  "SLU3"
  LON1   1.000000000000000E+0
  LON2   1.000000000000000E+0
  LON3   1.300000000000000E+0
  LON4   1.300000000000000E+0
  LON6   1.500000000000000E+0
  LON7   1.500000000000000E+0
  FON1   1.000000000000000E+0

 NonLinearIncrement     0  Yes  "SLU4"
  LON1   1.300000000000000E+0
  LON2   1.300000000000000E+0
  LON3   1.300000000000000E+0
  LON4   1.000000000000000E+0
  LON5   1.500000000000000E+0
  LON6   1.500000000000000E+0
  FON1   1.000000000000000E+0

 NonLinearIncrement     0  Yes  "SLU5"
  LON1   1.000000000000000E+0
  LON2   1.000000000000000E+0
  LON3   1.300000000000000E+0
  LON4   1.000000000000000E+0
  LON6   1.500000000000000E+0
  FON1   1.000000000000000E+0

 NonLinearIncrement     0  Yes  "SLU6"
  LON1   1.300000000000000E+0
  LON2   1.300000000000000E+0
  LON3   1.000000000000000E+0
  LON4   1.300000000000000E+0
  LON5   1.500000000000000E+0
  LON7   1.500000000000000E+0
  FON1   1.000000000000000E+0

 NonLinearIncrement     0  Yes  "SLU7"
  LON1   1.000000000000000E+0
  LON2   1.000000000000000E+0
  LON3   1.000000000000000E+0
  LON4   1.300000000000000E+0
  LON7   1.500000000000000E+0
  FON1   1.000000000000000E+0

 NonLinearStage     Unstaged


/ _____________________________________________________________________________
/ NATURAL FREQUENCY SOLVER DATA

 FreqNumModes          4

 FreqShift          0.000000000000000E+0
```

FreqIncludeNSMass 1 2 3 4 5 6 7 8
9

FreqModeParticipation FALSE
0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

/ _____
/ HEAT SOLVER DATA

LoadSetHeat 1 2 3 4 5 6 7 8
9

HeatTempLoadCase 1

HeatNonlinear FALSE

/ _____
/ GENERAL SOLVER DATA

SolverTempDependence None

SolverLoadCaseTempDependence 0

SolverActiveStage 0

SturmCheck FALSE

SolverFreedomCase 1

ModalLoadType BaseAcceleration

ModalNodeReactType Element

DampingType Rayleigh

RayleighFactors Frequency
1.000000000000000E+0 1.000000000000000E+1 1.000000000000000E+0 1.000000000000000E+1 1.000000000000000E-2
1.000000000000000E-2

NonLinearGeometry TRUE

NonLinearMaterial TRUE

IncludeCreep FALSE

SolverDefaultsGeneral
SolDefMatrixZeroDiag 1.000000000000000E-20
SolDefConjGradTol 1.000000000000000E-5
SolDefMaxConjGradIter 5000
SolDefMaxNumWarnings 10
SolDefWindowState 3
SolDefReducedLogFile TRUE
SolDefDoResidualsCheck FALSE
SolDefSuppressAllSingularities FALSE

SolverDefaultsElements
SolDefMinDimension 1.000000000000000E-9
SolDefMinInternalAngle 1.500000000000000E+1
SolDefZeroPointForce 1.000000000000000E-6
SolDefZeroDiagonal 1.000000000000000E-20
SolDefBeamMass Lumped

SolDefPlateMass Lumped
SolDefBrickMass Lumped
SolDefBeamLoads Consistent
SolDefPlateLoads Consistent
SolDefBeamSlices 5
SolDefIncludeLinkReactions TRUE

SolverDefaultsDrilling
SolDefZeroTrans 1.00000000000000E-8
SolDefZeroRot 1.00000000000000E-6
SolDrillStiffMult 1.00000000000000E-4
SolDrillZeroEig 1.00000000000000E-6
SolDefMaxNormalsAngle 5.00000000000000E+0
SolDefForceDrillingCheck FALSE

SolverDefaultsIteration
SolDefZeroDisp 1.00000000000000E-8
SolDefDispNormTol 1.00000000000000E-4
SolDefResidualsNormTol 1.00000000000000E-3
SolDefNonlinIterLimit 20
SolDefAddIterations TRUE
SolDefMaxUpdateInterval 5
SolDefMaxDispChange 1.00000000000000E+0
SolDefMaxResidualChange 1.00000000000000E-1
SolDefFormStiffnessMatrix 0
SolDefFormHeatStiffnessMatrix 2
SolDefHeatConvergenceTol 1.00000000000000E-5
SolDefHeatRelaxationFactor 6.66670000000000E-1
SolDefNonlinHeatIterLimit 20

SolverDefaultsSubSteps
SolDefSubStepping 0
SolDefMinLoadReductionFactor 1.00000000000000E-1
SolDefMaxRot 3.00000000000000E+1
SolDefMaxDispRatio 1.00000000000000E-1
SolDefMinArcLength 1.00000000000000E-3
SolDefMaxFibreInc 1.00000000000000E-2
SolDefSaveSubIncrements FALSE
SolDefDynamicAutoSteppingMode 0
SolDefMinTimeStep 1.00000000000000E-3
SolDefConsiderTableSteps FALSE
SolDefSingleShotRestart FALSE
SolDefAutoAssignPathDiv FALSE

SolverDefaultsNonlinear
SolDefIncludeKG TRUE
SolDefAutoScaleKg TRUE
SolDefIgnoreCompressiveBeamKg FALSE
SolDefBeamKgType Simplified
SolDefFiniteStrainDefinition Nominal
SolDefBeamLength Initial
SolDefRatioMNL 5.00000000000000E-1
SolDefZeroContactFactor 1.00000000000000E-6
SolDefSlidingFriction 1.00000000000000E-15
SolDefStickingFriction 1.00000000000000E+0
SolDefFrictionCutoffStrain 1.00000000000000E-5
SolDefScaleSupports TRUE

SolverDefaultsCreep
SolDefTimeStepParam 5.00000000000000E-1
SolDefMinViscoUnits 3
SolDefMaxViscoUnits 6
SolDefCurveFitTime 1.00000000000000E+4
SolDefCurveFitTimeUnit d
SolDefSpacingBias 5.00000000000000E-1
SolDefDoInstantNTA TRUE

SolverDefaultsEigenvalue
SolDefZeroFreq 1.00000000000000E-6
SolDefZeroBuckEigenvalue 1.00000000000000E-10
SolDefExpandWorkingSetBy 6
SolDefEigIterLimit 20
SolDefEigIterTol 1.00000000000000E-5
SolDefEigAutoShift FALSE

SolverDefaultsDynamics
SolDefWilsonTheta 1.37000000000000E+0
SolDefNewmarkBeta 5.00000000000000E-1
SolDefTransientMethod Newmark
SolDefExcludeMassComponents
SolDefIncludeRotMass TRUE

/ _____
/ RESULT OPTIONS

ResultOptions
ResOptsRotationUnit Degrees
ResOptsHRADisplacement Total
ResOptsHRAVelocity Total
ResOptsHRAAcceleration Relative
ResOptsBeamForceMoment Principal
ResOptsStageDisplacement BirthStage

/ _____
/ Straus7 MODEL EXCHANGE FILE
/ TIMESTAMP: 6:16:38 pm, 05 giugno 2019

/ _____
/ MODEL INFORMATION

FileFormat Straus7.2.4.6
ModelName "GA_open_SLV_SLD"
Title ""
Project ""
Author ""
Reference ""
Comments ""

/ _____
/ UNITS

LengthUnit m
MassUnit kg
EnergyUnit J
PressureUnit MPa
ForceUnit kN
TemperatureUnit C

/ _____
/ GROUP DEFINITIONS

Group 1 16711680 "\\Model"
Group 2 3355647 "calotta"
Group 3 16757299 "calotta\curvilinea"
Group 4 6750003 "calotta\rettilinea"
Group 5 3407692 "piedritto"
Group 6 3375359 "piedritto\piedritto_alto"

```
  Group              7   16724812   "piedritto\piedritto_basso"
  Group              8    3407846   "arco rovescio"

/ ____________________________________________________________________________
/ FREEDOM CASE DEFINITIONS

  FreedomCase        1      0      1   "Freedom Case 1"


/ ____________________________________________________________________________
/ LOAD CASE DEFINITIONS

  LoadCase           1      1   "PP"
    Gravity          2    -9.80665000000000E+0
    LCInclude        3

  LoadCase           2      0   "P_cop"
    LCInclude        3

  LoadCase           3      0   "SP_sx"
    LCInclude        3

  LoadCase           4      0   "SP_dx"
    LCInclude        3

  LoadCase           5      0   "V"
    LCInclude        3

  LoadCase           6      0   "SV_sx"
    LCInclude        3

  LoadCase           7      0   "SV_dx"
    LCInclude        3

  LoadCase           8      0   "dS_h"
    LCInclude        3

  LoadCase           9      0   "dS_V"
    LCInclude        3


/ ____________________________________________________________________________
/ INCREMENT ENVELOPES

  IncrementEnvelope    "Envelope Case"  Abs
  ON                 1
  ON                 2
  ON                 3
  ON                 4
  ON                 5
  ON                 6
  ON                 7
  ON                 8
  ON                 9
  ON                10
  ON                11
  ON                12
  ON                13
  ON                14
  ON                15
  ON                16


/ ____________________________________________________________________________
/ COORDINATE SYSTEM DEFINITIONS
```

CoordSys 1 "Global XYZ" GlobalXYZ

CoordSys 2 "carichi" RectXYZ
0.00000000000000E+0 1.08600000000000E+1 0.00000000000000E+0

/ _____
/ NODE COORDINATES

Node 1 0 -1.94830000000000E+0 3.33290000000000E+0 0.00000000000000E+0
Node 2 0 -1.85947466801228E+0 3.38326015242999E+0 0.00000000000000E+0
Node 3 0 -1.76934854991663E+0 3.43125356231625E+0 0.00000000000000E+0
Node 4 0 -1.67798469298355E+0 3.47684665611138E+0 0.00000000000000E+0
Node 5 0 -1.58544701033748E+0 3.52000753939703E+0 0.00000000000000E+0
Node 6 0 -1.49180023624673E+0 3.56070601919538E+0 0.00000000000000E+0
Node 7 0 -1.39710988083890E+0 3.59891362509054E+0 0.00000000000000E+0
Node 8 0 -1.30144218427364E+0 3.63460362914487E+0 0.00000000000000E+0
Node 9 0 -1.20486407040466E+0 3.66775106459638E+0 0.00000000000000E+0
Node 10 0 -1.10744309996351E+0 3.69833274332411E+0 0.00000000000000E+0
Node 11 0 -1.00924742329778E+0 3.72632727206921E+0 0.00000000000000E+0
Node 12 0 -9.10345732696894E-1 3.75171506740058E+0 0.00000000000000E+0
Node 13 0 -8.10807214338750E-1 3.77447836941427E+0 0.00000000000000E+0
Node 14 0 -7.10701499890891E-1 3.79460125415739E+0 0.00000000000000E+0
Node 15 0 -6.10098617800016E-1 3.81206964476759E+0 0.00000000000000E+0
Node 16 0 -5.09068944303938E-1 3.82687132132050E+0 0.00000000000000E+0
Node 17 0 -4.07683154200238E-1 3.83899592937806E+0 0.00000000000000E+0
Node 18 0 -3.06012171406074E-1 3.84843498723200E+0 0.00000000000000E+0
Node 19 0 -2.04127119343708E-1 3.85518189183707E+0 0.00000000000000E+0
Node 20 0 -1.02099271186475E-1 3.85923192343026E+0 0.00000000000000E+0
Node 21 0 -3.80446542325164E-16 3.86058224883242E+0 0.00000000000000E+0
Node 22 0 1.02099271186474E-1 3.85923192343026E+0 0.00000000000000E+0
Node 23 0 2.04127119343707E-1 3.85518189183707E+0 0.00000000000000E+0
Node 24 0 3.06012171406073E-1 3.84843498723200E+0 0.00000000000000E+0
Node 25 0 4.07683154200237E-1 3.83899592937806E+0 0.00000000000000E+0
Node 26 0 5.09068944303936E-1 3.82687132132050E+0 0.00000000000000E+0
Node 27 0 6.10098617800015E-1 3.81206964476759E+0 0.00000000000000E+0
Node 28 0 7.10701499890890E-1 3.79460125415739E+0 0.00000000000000E+0
Node 29 0 8.10807214338749E-1 3.77447836941427E+0 0.00000000000000E+0
Node 30 0 9.10345732696893E-1 3.75171506740058E+0 0.00000000000000E+0
Node 31 0 1.00924742329778E+0 3.72632727206921E+0 0.00000000000000E+0
Node 32 0 1.10744309996351E+0 3.69833274332411E+0 0.00000000000000E+0
Node 33 0 1.20486407040466E+0 3.66775106459638E+0 0.00000000000000E+0
Node 34 0 1.30144218427364E+0 3.63460362914487E+0 0.00000000000000E+0
Node 35 0 1.39710988083890E+0 3.59891362509054E+0 0.00000000000000E+0
Node 36 0 1.49180023624673E+0 3.56070601919538E+0 0.00000000000000E+0
Node 37 0 1.58544701033748E+0 3.52000753939703E+0 0.00000000000000E+0
Node 38 0 1.67798469298354E+0 3.47684665611138E+0 0.00000000000000E+0
Node 39 0 1.76934854991663E+0 3.43125356231625E+0 0.00000000000000E+0
Node 40 0 1.85947466801228E+0 3.38326015242999E+0 0.00000000000000E+0
Node 41 0 1.94830000000000E+0 3.33290000000000E+0 0.00000000000000E+0
Node 42 0 2.11546000000000E+0 3.20923000000000E+0 0.00000000000000E+0
Node 43 0 2.28262000000000E+0 3.08556000000000E+0 0.00000000000000E+0
Node 44 0 2.44978000000000E+0 2.96189000000000E+0 0.00000000000000E+0
Node 45 0 2.61694000000000E+0 2.83822000000000E+0 0.00000000000000E+0
Node 46 0 2.78410000000000E+0 2.71455000000000E+0 0.00000000000000E+0
Node 47 0 2.95126000000000E+0 2.59088000000000E+0 0.00000000000000E+0
Node 48 0 3.11842000000000E+0 2.46721000000000E+0 0.00000000000000E+0
Node 49 0 3.28558000000000E+0 2.34354000000000E+0 0.00000000000000E+0
Node 50 0 3.45274000000000E+0 2.21987000000000E+0 0.00000000000000E+0
Node 51 0 3.61990000000000E+0 2.09620000000000E+0 0.00000000000000E+0
Node 52 0 -2.11546000000000E+0 3.20923000000000E+0 0.00000000000000E+0
Node 53 0 -2.28262000000000E+0 3.08556000000000E+0 0.00000000000000E+0
Node 54 0 -2.44978000000000E+0 2.96189000000000E+0 0.00000000000000E+0
Node 55 0 -2.61694000000000E+0 2.83822000000000E+0 0.00000000000000E+0
Node 56 0 -2.78410000000000E+0 2.71455000000000E+0 0.00000000000000E+0
Node 57 0 -2.95126000000000E+0 2.59088000000000E+0 0.00000000000000E+0

Node	58	0	-3.11842000000000E+0	2.46721000000000E+0	0.00000000000000E+0
Node	59	0	-3.28558000000000E+0	2.34354000000000E+0	0.00000000000000E+0
Node	60	0	-3.45274000000000E+0	2.21987000000000E+0	0.00000000000000E+0
Node	61	0	-3.61990000000000E+0	2.09620000000000E+0	0.00000000000000E+0
Node	62	0	3.66914272971283E+0	1.89024296185021E+0	0.00000000000000E+0
Node	63	0	3.71328302196233E+0	1.68313240539995E+0	0.00000000000000E+0
Node	64	0	3.75229394019274E+0	1.47499471959599E+0	0.00000000000000E+0
Node	65	0	3.78615167804214E+0	1.26595692018946E+0	0.00000000000000E+0
Node	66	0	3.81483557387019E+0	1.05614657222461E+0	0.00000000000000E+0
Node	67	0	3.83832812336690E+0	8.45691712192458E-1	0.00000000000000E+0
Node	68	0	3.85661499023460E+0	6.34720769896678E-1	0.00000000000000E+0
Node	69	0	3.86968501493665E+0	4.23362490079458E-1	0.00000000000000E+0
Node	70	0	3.87753022150753E+0	2.11745853855208E-1	0.00000000000000E+0
Node	71	0	3.88015000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	72	0	-3.66914272971283E+0	1.89024296185021E+0	0.00000000000000E+0
Node	73	0	-3.71328302196233E+0	1.68313240539995E+0	0.00000000000000E+0
Node	74	0	-3.75229394019274E+0	1.47499471959599E+0	0.00000000000000E+0
Node	75	0	-3.78615167804214E+0	1.26595692018946E+0	0.00000000000000E+0
Node	76	0	-3.81483557387019E+0	1.05614657222461E+0	0.00000000000000E+0
Node	77	0	-3.83832812336690E+0	8.45691712192458E-1	0.00000000000000E+0
Node	78	0	-3.85661499023460E+0	6.34720769896678E-1	0.00000000000000E+0
Node	79	0	-3.86968501493665E+0	4.23362490079458E-1	0.00000000000000E+0
Node	80	0	-3.87753022150753E+0	2.11745853855208E-1	0.00000000000000E+0
Node	81	0	-3.88015000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	82	0	-3.49550000000000E+0	-3.56270000000000E+0	0.00000000000000E+0
Node	83	0	-3.33230782624253E+0	-3.60057547048123E+0	0.00000000000000E+0
Node	84	0	-3.16879248559635E+0	-3.63703051420949E+0	0.00000000000000E+0
Node	85	0	-3.00496634122818E+0	-3.67206237486980E+0	0.00000000000000E+0
Node	86	0	-2.84084177980416E+0	-3.70566840375206E+0	0.00000000000000E+0
Node	87	0	-2.67643121055332E+0	-3.73784605995134E+0	0.00000000000000E+0
Node	88	0	-2.51174706432936E+0	-3.76859291055994E+0	0.00000000000000E+0
Node	89	0	-2.34680179267073E+0	-3.79790663085141E+0	0.00000000000000E+0
Node	90	0	-2.18160786685924E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	91	0	-2.01617777697708E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	92	0	-1.85052403096246E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	93	0	-1.68465915366393E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	94	0	-1.51859568589340E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	95	0	-1.35234618347790E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	96	0	-1.18592321631029E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	97	0	-1.01933936739887E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	98	0	-8.52607231915959E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	99	0	-6.85739416245641E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	100	0	-5.18748537030578E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	101	0	-3.51647220218097E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	102	0	-1.84448100105556E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	103	0	-1.71638183850854E-2	-3.79790000000000E+0	0.00000000000000E+0
Node	104	0	3.49550000000000E+0	-3.56270000000000E+0	0.00000000000000E+0
Node	105	0	3.53876190604596E+0	-3.38827494401322E+0	0.00000000000000E+0
Node	106	0	3.57939848608508E+0	-3.21321963551490E+0	0.00000000000000E+0
Node	107	0	3.61740056791651E+0	-3.03757358674864E+0	0.00000000000000E+0
Node	108	0	3.65275957397965E+0	-2.86137644329578E+0	0.00000000000000E+0
Node	109	0	3.68546752329024E+0	-2.68466797512683E+0	0.00000000000000E+0
Node	110	0	3.71551703324176E+0	-2.50748806762490E+0	0.00000000000000E+0
Node	111	0	3.74290132127180E+0	-2.32987671258303E+0	0.00000000000000E+0
Node	112	0	3.76761420639292E+0	-2.15187399917756E+0	0.00000000000000E+0
Node	113	0	3.78965011058784E+0	-1.97352010491945E+0	0.00000000000000E+0
Node	114	0	3.81400406006844E+0	-1.79485528658573E+0	0.00000000000000E+0
Node	115	0	3.83567168639838E+0	-1.61591987113298E+0	0.00000000000000E+0
Node	116	0	3.84464922747919E+0	-1.43675424659509E+0	0.00000000000000E+0
Node	117	0	3.85593352839935E+0	-1.25739885296706E+0	0.00000000000000E+0
Node	118	0	3.86452204214643E+0	-1.07789417307727E+0	0.00000000000000E+0
Node	119	0	3.87541283018197E+0	-8.98280723449910E-1	0.00000000000000E+0
Node	120	0	3.87860456287904E+0	-7.18599045159911E-1	0.00000000000000E+0
Node	121	0	3.87909651982237E+0	-5.38889694682297E-1	0.00000000000000E+0
Node	122	0	3.87688858997090E+0	-3.59193234738058E-1	0.00000000000000E+0
Node	123	0	3.88198127168293E+0	-1.79550225138629E-1	0.00000000000000E+0

Node	124	0	3.33230782624253E+0	-3.60057547048123E+0	0.00000000000000E+0
Node	125	0	3.16879248559635E+0	-3.63703051420949E+0	0.00000000000000E+0
Node	126	0	3.00496634122818E+0	-3.67206237486980E+0	0.00000000000000E+0
Node	127	0	2.84084177980416E+0	-3.70566840375206E+0	0.00000000000000E+0
Node	128	0	2.67643121055332E+0	-3.73784605995134E+0	0.00000000000000E+0
Node	129	0	2.51174706432936E+0	-3.76859291055994E+0	0.00000000000000E+0
Node	130	0	2.34680179267073E+0	-3.79790663085141E+0	0.00000000000000E+0
Node	131	0	2.18160786685924E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	132	0	2.01617777697708E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	133	0	1.85052403096246E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	134	0	1.68465915366393E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	135	0	1.51859568589340E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	136	0	1.35234618347790E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	137	0	1.18592321631029E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	138	0	1.01933936739887E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	139	0	8.52607231915959E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	140	0	6.85739416245641E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	141	0	5.18748537030578E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	142	0	3.51647220218097E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	143	0	1.84448100105556E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	144	0	1.71638183850854E-2	-3.79790000000000E+0	0.00000000000000E+0
Node	145	0	-3.53876190604596E+0	-3.38827494401322E+0	0.00000000000000E+0
Node	146	0	-3.57939848608508E+0	-3.21321963551490E+0	0.00000000000000E+0
Node	147	0	-3.61740056791651E+0	-3.03757358674864E+0	0.00000000000000E+0
Node	148	0	-3.65275957397965E+0	-2.86137644329578E+0	0.00000000000000E+0
Node	149	0	-3.68546752329024E+0	-2.68466797512683E+0	0.00000000000000E+0
Node	150	0	-3.71551703324176E+0	-2.50748806762490E+0	0.00000000000000E+0
Node	151	0	-3.74290132127180E+0	-2.32987671258303E+0	0.00000000000000E+0
Node	152	0	-3.76761420639292E+0	-2.15187399917756E+0	0.00000000000000E+0
Node	153	0	-3.78965011058784E+0	-1.97352010491945E+0	0.00000000000000E+0
Node	154	0	-3.81400406006844E+0	-1.79485528658573E+0	0.00000000000000E+0
Node	155	0	-3.83567168639838E+0	-1.61591987113298E+0	0.00000000000000E+0
Node	156	0	-3.84464922747919E+0	-1.43675424659509E+0	0.00000000000000E+0
Node	157	0	-3.85593352839935E+0	-1.25739885296706E+0	0.00000000000000E+0
Node	158	0	-3.86452204214643E+0	-1.07789417307727E+0	0.00000000000000E+0
Node	159	0	-3.87541283018197E+0	-8.98280723449910E-1	0.00000000000000E+0
Node	160	0	-3.87860456287904E+0	-7.18599045159911E-1	0.00000000000000E+0
Node	161	0	-3.87909651982237E+0	-5.38889694682297E-1	0.00000000000000E+0
Node	162	0	-3.87688858997090E+0	-3.59193234738058E-1	0.00000000000000E+0
Node	163	0	-3.88198127168293E+0	-1.79550225138629E-1	0.00000000000000E+0

/ _____

/ BEAM ELEMENTS

Beam	1	0	3	1	2	1
Beam	2	0	3	1	3	2
Beam	3	0	3	1	4	3
Beam	4	0	3	1	5	4
Beam	5	0	3	1	6	5
Beam	6	0	3	1	7	6
Beam	7	0	3	1	8	7
Beam	8	0	3	1	9	8
Beam	9	0	3	1	10	9
Beam	10	0	3	1	11	10
Beam	11	0	3	1	12	11
Beam	12	0	3	1	13	12
Beam	13	0	3	1	14	13
Beam	14	0	3	1	15	14
Beam	15	0	3	1	16	15
Beam	16	0	3	1	17	16
Beam	17	0	3	1	18	17
Beam	18	0	3	1	19	18
Beam	19	0	3	1	20	19
Beam	20	0	3	1	21	20
Beam	21	0	3	1	22	21
Beam	22	0	3	1	23	22

Beam	23	0	3	1	24	23
Beam	24	0	3	1	25	24
Beam	25	0	3	1	26	25
Beam	26	0	3	1	27	26
Beam	27	0	3	1	28	27
Beam	28	0	3	1	29	28
Beam	29	0	3	1	30	29
Beam	30	0	3	1	31	30
Beam	31	0	3	1	32	31
Beam	32	0	3	1	33	32
Beam	33	0	3	1	34	33
Beam	34	0	3	1	35	34
Beam	35	0	3	1	36	35
Beam	36	0	3	1	37	36
Beam	37	0	3	1	38	37
Beam	38	0	3	1	39	38
Beam	39	0	3	1	40	39
Beam	40	0	3	1	41	40
Beam	41	0	4	2	42	41
Beam	42	0	4	3	43	42
Beam	43	0	4	4	44	43
Beam	44	0	4	5	45	44
Beam	45	0	4	6	46	45
Beam	46	0	4	7	47	46
Beam	47	0	4	8	48	47
Beam	48	0	4	9	49	48
Beam	49	0	4	10	50	49
Beam	50	0	4	11	51	50
Beam	51	0	4	2	1	52
Beam	52	0	4	3	52	53
Beam	53	0	4	4	53	54
Beam	54	0	4	5	54	55
Beam	55	0	4	6	55	56
Beam	56	0	4	7	56	57
Beam	57	0	4	8	57	58
Beam	58	0	4	9	58	59
Beam	59	0	4	10	59	60
Beam	60	0	4	11	60	61
Beam	61	0	6	10	62	51
Beam	62	0	6	9	63	62
Beam	63	0	6	8	64	63
Beam	64	0	6	7	65	64
Beam	65	0	6	6	66	65
Beam	66	0	6	5	67	66
Beam	67	0	6	4	68	67
Beam	68	0	6	3	69	68
Beam	69	0	6	2	70	69
Beam	70	0	6	1	71	70
Beam	71	0	6	10	61	72
Beam	72	0	6	9	72	73
Beam	73	0	6	8	73	74
Beam	74	0	6	7	74	75
Beam	75	0	6	6	75	76
Beam	76	0	6	5	76	77
Beam	77	0	6	4	77	78
Beam	78	0	6	3	78	79
Beam	79	0	6	2	79	80
Beam	80	0	6	1	80	81
Beam	81	0	8	27	82	83
Beam	82	0	8	28	83	84
Beam	83	0	8	29	84	85
Beam	84	0	8	30	85	86
Beam	85	0	8	31	86	87
Beam	86	0	8	32	87	88
Beam	87	0	8	1	88	89
Beam	88	0	8	1	89	90

Beam	89	0	8	1	90	91
Beam	90	0	8	1	91	92
Beam	91	0	8	1	92	93
Beam	92	0	8	1	93	94
Beam	93	0	8	1	94	95
Beam	94	0	8	1	95	96
Beam	95	0	8	1	96	97
Beam	96	0	8	1	97	98
Beam	97	0	8	1	98	99
Beam	98	0	8	1	99	100
Beam	99	0	8	1	100	101
Beam	100	0	8	1	101	102
Beam	101	0	8	1	102	103
Beam	102	0	7	27	104	105
Beam	103	0	7	50	105	106
Beam	104	0	7	49	106	107
Beam	105	0	7	48	107	108
Beam	106	0	7	47	108	109
Beam	107	0	7	46	109	110
Beam	108	0	7	45	110	111
Beam	109	0	7	44	111	112
Beam	110	0	7	43	112	113
Beam	111	0	7	42	113	114
Beam	112	0	7	41	114	115
Beam	113	0	7	40	115	116
Beam	114	0	7	39	116	117
Beam	115	0	7	38	117	118
Beam	116	0	7	37	118	119
Beam	117	0	7	36	119	120
Beam	118	0	7	35	120	121
Beam	119	0	7	34	121	122
Beam	120	0	7	33	122	123
Beam	121	0	7	1	123	71
Beam	122	0	8	27	124	104
Beam	123	0	8	28	125	124
Beam	124	0	8	29	126	125
Beam	125	0	8	30	127	126
Beam	126	0	8	31	128	127
Beam	127	0	8	32	129	128
Beam	128	0	8	1	130	129
Beam	129	0	8	1	131	130
Beam	130	0	8	1	132	131
Beam	131	0	8	1	133	132
Beam	132	0	8	1	134	133
Beam	133	0	8	1	135	134
Beam	134	0	8	1	136	135
Beam	135	0	8	1	137	136
Beam	136	0	8	1	138	137
Beam	137	0	8	1	139	138
Beam	138	0	8	1	140	139
Beam	139	0	8	1	141	140
Beam	140	0	8	1	142	141
Beam	141	0	8	1	143	142
Beam	142	0	8	1	144	143
Beam	143	0	7	27	145	82
Beam	144	0	7	50	146	145
Beam	145	0	7	49	147	146
Beam	146	0	7	48	148	147
Beam	147	0	7	47	149	148
Beam	148	0	7	46	150	149
Beam	149	0	7	45	151	150
Beam	150	0	7	44	152	151
Beam	151	0	7	43	153	152
Beam	152	0	7	42	154	153
Beam	153	0	7	41	155	154
Beam	154	0	7	40	156	155

```
  Beam          155    0    7    39   157   156
  Beam          156    0    7    38   158   157
  Beam          157    0    7    37   159   158
  Beam          158    0    7    36   160   159
  Beam          159    0    7    35   161   160
  Beam          160    0    7    34   162   161
  Beam          161    0    7    33   163   162
  Beam          162    0    7     1    81   163
  Beam          163    0    8     1   103   144

/ ____________________________________________________________________________
/ BEAM SUPPORTS
/ Freedom Case 1
  BmSupport       1    1  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    2  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    3  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    4  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    5  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    6  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    7  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    8  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    9  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   10  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   11  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   12  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   13  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   14  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   15  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   16  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   17  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   18  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   19  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   20  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   21  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   22  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   23  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   24  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   25  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   26  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   27  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   28  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   29  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   30  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   31  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   32  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   33  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   34  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   35  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   36  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   37  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   38  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   39  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   40  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   41  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   42  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   43  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   44  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   45  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   46  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   47  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   48  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   49  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   50  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   51  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   52  0.00000000000000E+0  4.22650000000000E+3  CompOnly
  BmSupport       1   53  0.00000000000000E+0  4.22650000000000E+3  CompOnly
```

BmSupport	1	54	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	55	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	56	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	57	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	58	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	59	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	60	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	61	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	62	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	63	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	64	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	65	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	66	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	67	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	68	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	69	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	70	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	71	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	72	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	73	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	74	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	75	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	76	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	77	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	78	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	79	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	80	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	81	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	82	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	83	0.00000000000000E+0	8.20646364281200E+5	CompOnly
BmSupport	1	84	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	85	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	86	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	87	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	88	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	89	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	90	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	91	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	92	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	93	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	94	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	95	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	96	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	97	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	98	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	99	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	100	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	101	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	102	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	103	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	104	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	105	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	106	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	107	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	108	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	109	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	110	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	111	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	112	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	113	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	114	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	115	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	116	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	117	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	118	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	119	0.00000000000000E+0	1.49579927300000E+6	CompOnly

```
  BmSupport          1   120  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   121  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   122  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   123  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   124  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   125  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   126  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   127  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   128  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   129  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   130  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   131  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   132  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   133  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   134  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   135  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   136  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   137  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   138  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   139  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   140  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   141  0.00000000000000E+0   8.20646364281163E+5   CompOnly
  BmSupport          1   142  0.00000000000000E+0   8.20646364281200E+5   CompOnly
  BmSupport          1   143  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   144  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   145  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   146  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   147  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   148  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   149  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   150  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   151  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   152  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   153  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   154  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   155  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   156  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   157  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   158  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   159  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   160  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   161  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   162  0.00000000000000E+0   1.49579927300000E+6   CompOnly
  BmSupport          1   163  0.00000000000000E+0   8.20646364281200E+5   CompOnly

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ P_cop
  BmDistLoadG        2    1    Y    1  -1.50038398475700E+2   -1.50038398475700E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    2    Y    1  -1.49054862852538E+2   -1.49054862852538E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    3    Y    1  -1.48118997815724E+2   -1.48118997815724E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    4    Y    1  -1.47231458044916E+2   -1.47231458044916E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    5    Y    1  -1.46392864414076E+2   -1.46392864414076E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    6    Y    1  -1.45603803557141E+2   -1.45603803557141E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    7    Y    1  -1.44864827457646E+2   -1.44864827457646E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    8    Y    1  -1.44176453062587E+2   -1.44176453062587E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    9    Y    1  -1.43539161920795E+2   -1.43539161920795E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
```

BmDistLoadG 2 10 Y 1 -1.42953399846067E+2 -1.42953399846067E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 11 Y 1 -1.42419576605302E+2 -1.42419576605302E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 12 Y 1 -1.41938065631851E+2 -1.41938065631851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 13 Y 1 -1.41509203764283E+2 -1.41509203764283E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 14 Y 1 -1.41133291010750E+2 -1.41133291010750E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 15 Y 1 -1.40810590339119E+2 -1.40810590339119E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 16 Y 1 -1.40541327493014E+2 -1.40541327493014E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 17 Y 1 -1.40325690833899E+2 -1.40325690833899E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 18 Y 1 -1.40163831209309E+2 -1.40163831209309E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 19 Y 1 -1.40055861847327E+2 -1.40055861847327E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 20 Y 1 -1.40001858277373E+2 -1.40001858277373E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 21 Y 1 -1.40001858277373E+2 -1.40001858277373E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 22 Y 1 -1.40055861847327E+2 -1.40055861847327E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 23 Y 1 -1.40163831209309E+2 -1.40163831209309E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 24 Y 1 -1.40325690833899E+2 -1.40325690833899E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 25 Y 1 -1.40541327493014E+2 -1.40541327493014E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 26 Y 1 -1.40810590339119E+2 -1.40810590339119E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 27 Y 1 -1.41133291010750E+2 -1.41133291010750E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 28 Y 1 -1.41509203764283E+2 -1.41509203764283E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 29 Y 1 -1.41938065631851E+2 -1.41938065631851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 30 Y 1 -1.42419576605302E+2 -1.42419576605302E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 31 Y 1 -1.42953399846067E+2 -1.42953399846067E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 32 Y 1 -1.43539161920795E+2 -1.43539161920795E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 33 Y 1 -1.44176453062587E+2 -1.44176453062587E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 34 Y 1 -1.44864827457646E+2 -1.44864827457646E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 35 Y 1 -1.45603803557141E+2 -1.45603803557141E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 36 Y 1 -1.46392864414076E+2 -1.46392864414076E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 37 Y 1 -1.47231458044916E+2 -1.47231458044916E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 38 Y 1 -1.48118997815724E+2 -1.48118997815724E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 39 Y 1 -1.49054862852538E+2 -1.49054862852538E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 40 Y 1 -1.50038398475700E+2 -1.50038398475700E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 41 Y 1 -1.51778700000000E+2 -1.51778700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 42 Y 1 -1.54252100000000E+2 -1.54252100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 2 43 Y 1 -1.56725500000000E+2 -1.56725500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 44 Y 1 -1.59198900000000E+2 -1.59198900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 45 Y 1 -1.61672300000000E+2 -1.61672300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 46 Y 1 -1.64145700000000E+2 -1.64145700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 47 Y 1 -1.66619100000000E+2 -1.66619100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 48 Y 1 -1.69092500000000E+2 -1.69092500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 49 Y 1 -1.71565900000000E+2 -1.71565900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 50 Y 1 -1.74039300000000E+2 -1.74039300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 51 Y 1 -1.51778700000000E+2 -1.51778700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 52 Y 1 -1.54252100000000E+2 -1.54252100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 53 Y 1 -1.56725500000000E+2 -1.56725500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 54 Y 1 -1.59198900000000E+2 -1.59198900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 55 Y 1 -1.61672300000000E+2 -1.61672300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 56 Y 1 -1.64145700000000E+2 -1.64145700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 57 Y 1 -1.66619100000000E+2 -1.66619100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 58 Y 1 -1.69092500000000E+2 -1.69092500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 59 Y 1 -1.71565900000000E+2 -1.71565900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 60 Y 1 -1.74039300000000E+2 -1.74039300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ SP_sx
BmDistLoadG 3 1 X 1 8.70222711159060E+1 8.70222711159060E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 2 X 1 8.64518204544718E+1 8.64518204544718E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 3 X 1 8.59090187331197E+1 8.59090187331197E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 4 X 1 8.53942456660512E+1 8.53942456660512E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 5 X 1 8.49078613601640E+1 8.49078613601640E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 6 X 1 8.44502060631416E+1 8.44502060631416E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 7 X 1 8.40215999254346E+1 8.40215999254346E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 8 X 1 8.36223427763007E+1 8.36223427763007E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 9 X 1 8.32527139140611E+1 8.32527139140611E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 10 X 1 8.29129719107187E+1 8.29129719107187E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 11 X 1 8.26033544310752E+1 8.26033544310752E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 12 X 1 8.23240780664738E+1 8.23240780664738E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 13 X 1 8.20753381832843E+1 8.20753381832843E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 3 14 X 1 8.18573087862351E+1 8.18573087862351E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 15 X 1 8.16701423966891E+1 8.16701423966891E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 16 X 1 8.15139699459483E+1 8.15139699459483E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 17 X 1 8.13889006836616E+1 8.13889006836616E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 18 X 1 8.12950221013994E+1 8.12950221013994E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 19 X 1 8.12323998714495E+1 8.12323998714495E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 20 X 1 8.12010778008764E+1 8.12010778008764E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 51 X 1 8.80316460000000E+1 8.80316460000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 52 X 1 8.94662180000000E+1 8.94662180000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 53 X 1 9.09007900000000E+1 9.09007900000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 54 X 1 9.23353620000000E+1 9.23353620000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 55 X 1 9.37699340000000E+1 9.37699340000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 56 X 1 9.52045060000000E+1 9.52045060000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 57 X 1 9.66390780000000E+1 9.66390780000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 58 X 1 9.80736500000000E+1 9.80736500000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 59 X 1 9.95082220000000E+1 9.95082220000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 60 X 1 1.00942794000000E+2 1.00942794000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 71 X 1 1.02854630821268E+2 1.02854630821268E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 72 X 1 1.05250422869949E+2 1.05250422869949E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 73 X 1 1.07658862675023E+2 1.07658862675023E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 74 X 1 1.10078480489244E+2 1.10078480489244E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 75 X 1 1.12507799743998E+2 1.12507799743998E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 76 X 1 1.14945337950381E+2 1.14945337950381E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 77 X 1 1.17389607603883E+2 1.17389607603883E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 78 X 1 1.19839117092138E+2 1.19839117092138E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 79 X 1 1.22292371605178E+2 1.22292371605178E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 80 X 1 1.24747874047639E+2 1.24747874047639E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 143 X 1 1.66291654675277E+2 1.66291654675277E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 144 X 1 1.64264668561263E+2 1.64264668561263E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 145 X 1 1.62230600689128E+2 1.62230600689128E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 146 X 1 1.60189910174258E+2 1.60189910174258E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 147 X 1 1.58143057626851E+2 1.58143057626851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 148 X 1 1.56090505047960E+2 1.56090505047960E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 3 149 X 1 1.54032715725206E+2 1.54032715725206E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 150 X 1 1.51970154128211E+2 1.51970154128211E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 151 X 1 1.49903285803763E+2 1.49903285803763E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 152 X 1 1.47832577270730E+2 1.47832577270730E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 153 X 1 1.45758495914769E+2 1.45758495914769E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 154 X 1 1.43681509882823E+2 1.43681509882823E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 155 X 1 1.41602087977460E+2 1.41602087977460E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 156 X 1 1.39520699551057E+2 1.39520699551057E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 157 X 1 1.37437814399858E+2 1.37437814399858E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 158 X 1 1.35353902657937E+2 1.35353902657937E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 159 X 1 1.33269434691085E+2 1.33269434691085E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 160 X 1 1.31184880990638E+2 1.31184880990638E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 161 X 1 1.29100712067285E+2 1.29100712067285E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 162 X 1 1.27017391305804E+2 1.27017391305804E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ SP_dx
BmDistLoadG 4 21 X 1 -8.12010778008764E+1 -8.12010778008764E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 22 X 1 -8.12323998714495E+1 -8.12323998714495E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 23 X 1 -8.12950221013994E+1 -8.12950221013994E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 24 X 1 -8.13889006836616E+1 -8.13889006836616E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 25 X 1 -8.15139699459483E+1 -8.15139699459483E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 26 X 1 -8.16701423966891E+1 -8.16701423966891E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 27 X 1 -8.18573087862351E+1 -8.18573087862351E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 28 X 1 -8.20753381832843E+1 -8.20753381832843E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 29 X 1 -8.23240780664738E+1 -8.23240780664738E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 30 X 1 -8.26033544310752E+1 -8.26033544310752E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 31 X 1 -8.29129719107187E+1 -8.29129719107187E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 32 X 1 -8.32527139140611E+1 -8.32527139140611E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 33 X 1 -8.36223427763007E+1 -8.36223427763007E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 34 X 1 -8.40215999254346E+1 -8.40215999254346E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 35 X 1 -8.44502060631416E+1 -8.44502060631416E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 36 X 1 -8.49078613601640E+1 -8.49078613601640E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 37 X 1 -8.53942456660512E+1 -8.53942456660512E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 38 X 1 -8.59090187331197E+1 -8.59090187331197E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 39 X 1 -8.64518204544718E+1 -8.64518204544718E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 40 X 1 -8.70222711159060E+1 -8.70222711159060E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 41 X 1 -8.80316460000000E+1 -8.80316460000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 42 X 1 -8.94662180000000E+1 -8.94662180000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 43 X 1 -9.09007900000000E+1 -9.09007900000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 44 X 1 -9.23353620000000E+1 -9.23353620000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 45 X 1 -9.37699340000000E+1 -9.37699340000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 46 X 1 -9.52045060000000E+1 -9.52045060000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 47 X 1 -9.66390780000000E+1 -9.66390780000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 48 X 1 -9.80736500000000E+1 -9.80736500000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 49 X 1 -9.95082220000000E+1 -9.95082220000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 50 X 1 -1.00942794000000E+2 -1.00942794000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 61 X 1 -1.02854630821268E+2 -1.02854630821268E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 62 X 1 -1.05250422869949E+2 -1.05250422869949E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 63 X 1 -1.07658862675023E+2 -1.07658862675023E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 64 X 1 -1.10078480489244E+2 -1.10078480489244E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 65 X 1 -1.12507799743998E+2 -1.12507799743998E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 66 X 1 -1.14945337950381E+2 -1.14945337950381E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 67 X 1 -1.17389607603883E+2 -1.17389607603883E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 68 X 1 -1.19839117092138E+2 -1.19839117092138E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 69 X 1 -1.22292371605178E+2 -1.22292371605178E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 70 X 1 -1.24747874047639E+2 -1.24747874047639E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 102 X 1 -1.66291654675277E+2 -1.66291654675277E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 103 X 1 -1.64264668561263E+2 -1.64264668561263E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 104 X 1 -1.62230600689128E+2 -1.62230600689128E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 105 X 1 -1.60189910174258E+2 -1.60189910174258E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 106 X 1 -1.58143057626851E+2 -1.58143057626851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 107 X 1 -1.56090505047960E+2 -1.56090505047960E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 108 X 1 -1.54032715725206E+2 -1.54032715725206E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 109 X 1 -1.51970154128211E+2 -1.51970154128211E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 110 X 1 -1.49903285803763E+2 -1.49903285803763E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 111 X 1 -1.47832577270730E+2 -1.47832577270730E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 112 X 1 -1.45758495914769E+2 -1.45758495914769E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 113 X 1 -1.43681509882823E+2 -1.43681509882823E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 114 X 1 -1.41602087977460E+2 -1.41602087977460E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 115 X 1 -1.39520699551057E+2 -1.39520699551057E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 116 X 1 -1.37437814399858E+2 -1.37437814399858E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 117 X 1 -1.35353902657937E+2 -1.35353902657937E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 118 X 1 -1.33269434691085E+2 -1.33269434691085E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 119 X 1 -1.31184880990638E+2 -1.31184880990638E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 120 X 1 -1.29100712067285E+2 -1.29100712067285E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 121 X 1 -1.27017391305804E+2 -1.27017391305804E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ V
BmDistLoadG 5 1 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 2 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 3 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 4 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 5 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 6 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 7 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 8 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 9 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 10 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 11 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 12 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 13 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 14 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 15 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 16 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 17 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 18 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 19 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 20 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 21 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 5 22 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 23 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 24 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 25 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 26 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 27 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 28 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 29 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 30 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 31 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 32 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 33 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 34 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 35 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 36 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 37 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 38 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 39 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 40 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 41 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 42 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 43 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 44 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 45 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 46 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 47 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 48 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 49 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 50 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 51 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 52 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 53 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 54 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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  BmDistLoadG         5    55    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    56    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    57    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    58    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    59    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         5    60    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ SV_sx
  BmDistLoadG         6     1    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     2    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     3    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     4    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     5    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     6    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     7    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     8    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     9    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    10    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    11    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    12    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    13    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    14    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    15    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    16    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    17    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    18    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    19    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    20    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    21    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    51    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    52    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    53    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    54    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
```

BmDistLoadG 6 55 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 56 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 57 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 58 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 59 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 60 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 71 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 72 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 73 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 74 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 75 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 76 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 77 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 78 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 79 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 80 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 143 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 144 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 145 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 146 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 147 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 148 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 149 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 150 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 151 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 152 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 153 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 154 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 155 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 156 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 157 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 158 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 159 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 6 160 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 161 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 162 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SV_dx
BmDistLoadG 7 22 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 23 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 24 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 25 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 26 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 27 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 28 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 29 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 30 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 31 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 32 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 33 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 34 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
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BmDistLoadG 7 37 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
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BmDistLoadG 7 41 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 42 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 43 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 44 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 45 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 46 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 47 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 48 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 49 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 50 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 61 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 62 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 63 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 64 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 65 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 66 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 67 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 68 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
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BmDistLoadG 7 69 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 70 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
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BmDistLoadG 7 102 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 103 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 104 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 105 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 106 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 107 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 108 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
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BmDistLoadG 7 109 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 110 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
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BmDistLoadG 7 111 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 112 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 113 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 114 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 115 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 116 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 117 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 118 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 119 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 120 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 121 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ dS_h

BmDistLoadG 8 1 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 2 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 3 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 4 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 5 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 6 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 7 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 8 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 9 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 10 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 11 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 12 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 13 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 14 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 15 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 16 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 17 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 18 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 19 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 20 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 51 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 52 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 53 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 54 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 55 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 56 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 57 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 58 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 59 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 60 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 71 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 72 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 73 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected

BmDistLoadG 8 74 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 75 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 76 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 77 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 78 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 79 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 80 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 143 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 144 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 145 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 146 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 147 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 148 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 149 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 150 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 151 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 152 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 153 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 154 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 155 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 156 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 157 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 158 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 159 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 160 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 161 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 162 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ dS_V
BmDistLoadG 9 1 Y 1 -1.56790126407106E+1 -1.56790126407106E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 2 Y 1 -1.55762331680901E+1 -1.55762331680901E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 3 Y 1 -1.54784352717431E+1 -1.54784352717431E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 4 Y 1 -1.53856873656937E+1 -1.53856873656937E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected

BmDistLoadG 9 5 Y 1 -1.52980543312709E+1 -1.52980543312709E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 6 Y 1 -1.52155974717212E+1 -1.52155974717212E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 7 Y 1 -1.51383744693239E+1 -1.51383744693239E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 8 Y 1 -1.50664393450403E+1 -1.50664393450403E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 9 Y 1 -1.49998424207230E+1 -1.49998424207230E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 10 Y 1 -1.49386302839139E+1 -1.49386302839139E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 11 Y 1 -1.48828457552540E+1 -1.48828457552540E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 12 Y 1 -1.48325278585284E+1 -1.48325278585284E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 13 Y 1 -1.47877117933676E+1 -1.47877117933676E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 14 Y 1 -1.47484289106233E+1 -1.47484289106233E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 15 Y 1 -1.47147066904379E+1 -1.47147066904379E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 16 Y 1 -1.46865687230200E+1 -1.46865687230200E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 17 Y 1 -1.46640346921424E+1 -1.46640346921424E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 18 Y 1 -1.46471203613728E+1 -1.46471203613728E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 19 Y 1 -1.46358375630456E+1 -1.46358375630456E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 20 Y 1 -1.46301941899855E+1 -1.46301941899855E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 21 Y 1 -1.46301941899855E+1 -1.46301941899855E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 22 Y 1 -1.46358375630456E+1 -1.46358375630456E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 23 Y 1 -1.46471203613728E+1 -1.46471203613728E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 24 Y 1 -1.46640346921424E+1 -1.46640346921424E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 25 Y 1 -1.46865687230200E+1 -1.46865687230200E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 26 Y 1 -1.47147066904379E+1 -1.47147066904379E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 27 Y 1 -1.47484289106233E+1 -1.47484289106233E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 28 Y 1 -1.47877117933676E+1 -1.47877117933676E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 29 Y 1 -1.48325278585284E+1 -1.48325278585284E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 30 Y 1 -1.48828457552540E+1 -1.48828457552540E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 31 Y 1 -1.49386302839139E+1 -1.49386302839139E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 32 Y 1 -1.49998424207230E+1 -1.49998424207230E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 33 Y 1 -1.50664393450403E+1 -1.50664393450403E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 34 Y 1 -1.51383744693239E+1 -1.51383744693239E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 35 Y 1 -1.52155974717212E+1 -1.52155974717212E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 36 Y 1 -1.52980543312709E+1 -1.52980543312709E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 37 Y 1 -1.53856873656937E+1 -1.53856873656937E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected

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  BmDistLoadG          9    38    Y    1  -1.54784352717431E+1   -1.54784352717431E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    39    Y    1  -1.55762331680901E+1   -1.55762331680901E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    40    Y    1  -1.56790126407106E+1   -1.56790126407106E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    41    Y    1  -1.58608741500000E+1   -1.58608741500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    42    Y    1  -1.61193444500000E+1   -1.61193444500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    43    Y    1  -1.63778147500000E+1   -1.63778147500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    44    Y    1  -1.66362850500000E+1   -1.66362850500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    45    Y    1  -1.68947553500000E+1   -1.68947553500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    46    Y    1  -1.71532256500000E+1   -1.71532256500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    47    Y    1  -1.74116959500000E+1   -1.74116959500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    48    Y    1  -1.76701662500000E+1   -1.76701662500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    49    Y    1  -1.79286365500000E+1   -1.79286365500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    50    Y    1  -1.81871068500000E+1   -1.81871068500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    51    Y    1  -1.58608741500000E+1   -1.58608741500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    52    Y    1  -1.61193444500000E+1   -1.61193444500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    53    Y    1  -1.63778147500000E+1   -1.63778147500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    54    Y    1  -1.66362850500000E+1   -1.66362850500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    55    Y    1  -1.68947553500000E+1   -1.68947553500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    56    Y    1  -1.71532256500000E+1   -1.71532256500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    57    Y    1  -1.74116959500000E+1   -1.74116959500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    58    Y    1  -1.76701662500000E+1   -1.76701662500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    59    Y    1  -1.79286365500000E+1   -1.79286365500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    60    Y    1  -1.81871068500000E+1   -1.81871068500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected

/ _____
/ BEAM PROPERTIES

  BeamProp             1   16737843   "Beam Property 1"
    MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
    Modulus           2.74600000000000E+4
    ShearMod          1.14420000000000E+4
    Poisson           2.00000000000000E-1
    UsePoisson        TRUE
    Density           2.40000000000000E+3
    Expansion         1.00000000000000E-5
    ThermalCond       1.37000000000000E+0
    SpecificHeat      8.80000000000000E+2
    InstantAlpha      FALSE
    Area              8.00000000000000E-1
    MomentI11         4.26666666670000E-2
    MomentI22         6.66666666670000E-2
    MomentJ           9.03304533330000E-2
    SectionType       SolidRect
```

```
  B               1.00000000000000E+0
  D               8.00000000000000E-1
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp             2    3355647  "Beam Property 2"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             8.67000000000000E-1
 MomentI11        5.43095302500000E-2
 MomentI22        7.22500000000000E-2
 MomentJ          1.07071853237000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               8.67000000000000E-1
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp             3    3407692  "Beam Property 3"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             9.34000000000000E-1
 MomentI11        6.78983753330000E-2
 MomentI22        7.78333333330000E-2
 MomentJ          1.24102616742000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               9.34000000000000E-1
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp             4    3407846  "Beam Property 4"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
```

```
  InstantAlpha      FALSE
  Area              1.00100000000000E+0
  MomentI11         8.35835834170000E-2
  MomentI22         8.34166666670000E-2
  MomentJ           1.40982683983000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.00100000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            5   16757299  "Beam Property 5"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.06800000000000E+0
  MomentI11         1.01515536000000E-1
  MomentI22         8.90000000000000E-2
  MomentJ           1.62229712859000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.06800000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            6   16724966  "Beam Property 6"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.13500000000000E+0
  MomentI11         1.21844614583000E-1
  MomentI22         9.45833333330000E-2
  MomentJ           1.83604992658000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.13500000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            7   6750003  "Beam Property 7"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
```

```
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.20200000000000E+0
  MomentI11         1.44721200667000E-1
  MomentI22         1.00166666667000E-1
  MomentJ           2.05087077094000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.20200000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            8    3375359   "Beam Property 8"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.26900000000000E+0
  MomentI11         1.70295675750000E-1
  MomentI22         1.05750000000000E-1
  MomentJ           2.26659049120000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.26900000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            9    16724812   "Beam Property 9"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.33600000000000E+0
  MomentI11         1.98718421333000E-1
  MomentI22         1.11333333333000E-1
  MomentJ           2.48307385230000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.33600000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
```

```
 Hardening         Isotropic

BeamProp             10    8401919   "Beam Property 10"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.40300000000000E+0
 MomentI11         2.30139818917000E-1
 MomentI22         1.16916666667000E-1
 MomentJ           2.70021145165000E-1
 SectionType       SolidRect
  B                1.00000000000000E+0
  D                1.40300000000000E+0
  CT               FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             11    11730739   "Beam Property 11"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.47000000000000E+0
 MomentI11         2.64710250000000E-1
 MomentI22         1.22500000000000E-1
 MomentJ           2.91791383220000E-1
 SectionType       SolidRect
  B                1.00000000000000E+0
  D                1.47000000000000E+0
  CT               FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             12    3394815   "Beam Property 12"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              6.00000000000000E-1
 MomentI11         1.80000000000000E-2
 MomentI22         5.00000000000000E-2
 MomentJ           4.61318400000000E-2
 SectionType       SolidRect
```

```
  B               1.00000000000000E+0
  D               6.00000000000000E-1
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            13   16724889  "Beam Property 13"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             6.83300000000000E-1
 MomentI11        2.65860009610000E-2
 MomentI22        5.69416666670000E-2
 MomentJ          6.31470420770000E-2
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               6.83300000000000E-1
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            14   13382655  "Beam Property 14"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             7.66670000000000E-1
 MomentI11        3.75529589530000E-2
 MomentI22        6.38891666670000E-2
 MomentJ          8.22503849030000E-2
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               7.66670000000000E-1
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            15   16777011  "Beam Property 15"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
```

```
  InstantAlpha      FALSE
  Area              8.50000000000000E-1
  MomentI11         5.11770833330000E-2
  MomentI22         7.08333333330000E-2
  MomentJ           1.02777912917000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               8.50000000000000E-1
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            16    3407769   "Beam Property 16"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              9.33330000000000E-1
  MomentI11         6.77523604960000E-2
  MomentI22         7.77775000000000E-2
  MomentJ           1.23932497010000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               9.33330000000000E-1
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            17    15096878  "Beam Property 17"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.01667000000000E+0
  MomentI11         8.75706915920000E-2
  MomentI22         8.47225000000000E-2
  MomentJ           1.45939124429000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.01667000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            18    3026662   "Beam Property 18"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
```

```
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.10000000000000E+0
  MomentI11         1.10916666667000E-1
  MomentI22         9.16666666670000E-2
  MomentJ           1.72424242424000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.10000000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            19    3073605   "Beam Property 19"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.18333000000000E+0
  MomentI11         1.38081780636000E-1
  MomentI22         9.86108333330000E-2
  MomentJ           1.99091261919000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.18333000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            20    3073743   "Beam Property 20"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.26667000000000E+0
  MomentI11         1.69359361732000E-1
  MomentI22         1.05555833333000E-1
  MomentJ           2.25907507849000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.26667000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
```

```
  Hardening         Isotropic

BeamProp              21    15114542   "Beam Property 21"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.35000000000000E+0
  MomentI11         2.05031250000000E-1
  MomentI22         1.12500000000000E-1
  MomentJ           2.52839506173000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.35000000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              22    15085263   "Beam Property 22"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.43333000000000E+0
  MomentI11         2.45390263276000E-1
  MomentI22         1.19444166667000E-1
  MomentJ           2.79869718046000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.43333000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              23     6088238   "Beam Property 23"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.51667000000000E+0
  MomentI11         2.90731469371000E-1
  MomentI22         1.26389166667000E-1
  MomentJ           3.06985212978000E-1
  SectionType       SolidRect
```

```
  B               1.00000000000000E+0
  D               1.51667000000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             24    3044326   "Beam Property 24"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.60000000000000E+0
 MomentI11         3.41333333333000E-1
 MomentI22         1.33333333333000E-1
 MomentJ           3.34166666667000E-1
 SectionType       SolidRect
  B               1.00000000000000E+0
  D               1.60000000000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             25    15085125   "Beam Property 25"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.68330000000000E+0
 MomentI11         3.97469056795000E-1
 MomentI22         1.40275000000000E-1
 MomentJ           3.61397233609000E-1
 SectionType       SolidRect
  B               1.00000000000000E+0
  D               1.68330000000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             26    7548646   "Beam Property 26"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
```

```
  InstantAlpha      FALSE
  Area              1.76666700000000E+0
  MomentI11         4.59497173673000E-1
  MomentI22         1.47222250000000E-1
  MomentJ           3.88700318904000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.76666700000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            27   10610222  "Beam Property 27"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.54000000000000E+0
  MomentI11         3.04355333333000E-1
  MomentI22         1.28333333333000E-1
  MomentJ           3.14588744589000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.54000000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            28    3061990   "Beam Property 28"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.41000000000000E+0
  MomentI11         2.33601750000000E-1
  MomentI22         1.17500000000000E-1
  MomentJ           2.72293144208000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.41000000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            29   15085194   "Beam Property 29"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
```

```
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.33000000000000E+0
  MomentI11         1.96053083333000E-1
  MomentI22         1.10833333333000E-1
  MomentJ           2.46365914787000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.33000000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            30   12070630  "Beam Property 30"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.20000000000000E+0
  MomentI11         1.44000000000000E-1
  MomentI22         1.00000000000000E-1
  MomentJ           2.04444444444000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.20000000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            31   15132206  "Beam Property 31"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.07000000000000E+0
  MomentI11         1.02086916667000E-1
  MomentI22         8.91666666670000E-2
  MomentJ           1.62866043614000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.07000000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
```

```
 Hardening        Isotropic

BeamProp            32    3073674   "Beam Property 32"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             1.00000000000000E+0
 MomentI11        8.33333333330000E-2
 MomentI22        8.33333333330000E-2
 MomentJ          1.40666666667000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               1.00000000000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            33    13390377   "Beam Property 33"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             8.38947000000000E-1
 MomentI11        4.92064835530000E-2
 MomentI22        6.99122500000000E-2
 MomentJ          9.99999072150000E-2
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               8.38947000000000E-1
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            34    2697676   "Beam Property 34"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             8.77895000000000E-1
 MomentI11        5.63827793820000E-2
 MomentI22        7.31579166670000E-2
 MomentJ          1.09834225012000E-1
 SectionType      SolidRect
```

```
  B               1.00000000000000E+0
  D               8.77895000000000E-1
  CT             FALSE
 TimeDependentMod   Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             35     2739261   "Beam Property 35"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              9.16842000000000E-1
 MomentI11         6.42247250240000E-2
 MomentI22         7.64035000000000E-2
 MomentJ           1.19740757460000E-1
 SectionType       SolidRect
  B               1.00000000000000E+0
  D               9.16842000000000E-1
  CT             FALSE
 TimeDependentMod   Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             36     2739384   "Beam Property 36"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              9.55789000000000E-1
 MomentI11         7.27620351820000E-2
 MomentI22         7.96490833330000E-2
 MomentJ           1.29620217916000E-1
 SectionType       SolidRect
  B               1.00000000000000E+0
  D               9.55789000000000E-1
  CT             FALSE
 TimeDependentMod   Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             37    13405993   "Beam Property 37"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
```

```
  InstantAlpha      FALSE
  Area              9.94737000000000E-1
  MomentI11         8.20244959770000E-2
  MomentI22         8.28947500000000E-2
  MomentJ           1.39366107904000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                9.94737000000000E-1
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            38   13380024  "Beam Property 38"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.03368400000000E+0
  MomentI11         9.20411711530000E-2
  MomentI22         8.61403333330000E-2
  MomentJ           1.51329836409000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.03368400000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            39   5426217  "Beam Property 39"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.07263200000000E+0
  MomentI11         1.02842115472000E-1
  MomentI22         8.93860000000000E-2
  MomentJ           1.63703627284000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.07263200000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            40   2713292  "Beam Property 40"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
```

```
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.11157900000000E+0
  MomentI11         1.14456313677000E-1
  MomentI22         9.26315833330000E-2
  MomentJ           1.76119766938000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.11157900000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            41    13379901   "Beam Property 41"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.15052600000000E+0
  MomentI11         1.26913571640000E-1
  MomentI22         9.58771666670000E-2
  MomentJ           1.88574239573000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.15052600000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            42    6695372   "Beam Property 42"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.18947400000000E+0
  MomentI11         1.40243781816000E-1
  MomentI22         9.91228333330000E-2
  MomentJ           2.01063600851000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.18947400000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
```

```
 Hardening        Isotropic

BeamProp            43    9423913   "Beam Property 43"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             1.22842100000000E+0
 MomentI11        1.54475799069000E-1
 MomentI22        1.02368416667000E-1
 MomentJ          2.13583921484000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               1.22842100000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            44    2728908   "Beam Property 44"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             1.26736800000000E+0
 MomentI11        1.69639493071000E-1
 MomentI22        1.05614000000000E-1
 MomentJ          2.26132637988000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               1.26736800000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            45    13379962   "Beam Property 45"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             1.30631600000000E+0
 MomentI11        1.85764829183000E-1
 MomentI22        1.08859666667000E-1
 MomentJ          2.38707533720000E-1
 SectionType      SolidRect
```

```
  B               1.00000000000000E+0
  D               1.30631600000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             46    10693068   "Beam Property 46"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.34526300000000E+0
 MomentI11         2.02880518737000E-1
 MomentI22         1.12105250000000E-1
 MomentJ           2.51305717214000E-1
 SectionType       SolidRect
  B               1.00000000000000E+0
  D               1.34526300000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             47    13421609   "Beam Property 47"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.38421100000000E+0
 MomentI11         2.21016981042000E-1
 MomentI22         1.15350916667000E-1
 MomentJ           2.63925842356000E-1
 SectionType       SolidRect
  B               1.00000000000000E+0
  D               1.38421100000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             48     2739322   "Beam Property 48"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
```

```
  InstantAlpha      FALSE
  Area              1.42315800000000E+0
  MomentI11         2.40202824160000E-1
  MomentI22         1.18596500000000E-1
  MomentJ           2.76565486279000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.42315800000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

 BeamProp           49   11683620  "Beam Property 49"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.46210500000000E+0
  MomentI11         2.60468039268000E-1
  MomentI22         1.21842083333000E-1
  MomentJ           2.89223387063000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.46210500000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

 BeamProp           50    2368690  "Beam Property 50"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.50105300000000E+0
  MomentI11         2.81842728401000E-1
  MomentI22         1.25087750000000E-1
  MomentJ           3.01898449246000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.50105300000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic


/ _____
/ LINEAR STATIC SOLVER DATA
```

```
  LoadFreedomSetLSA       1   ON
    1     2     3     4     5     6     7     8
    9


/ _____________________________________________________________________________
/ LINEAR BUCKLING SOLVER DATA

  BuckNumModes           4

  BuckShift           0.000000000000000E+0


/ _____________________________________________________________________________
/ LOAD INFLUENCE SOLVER DATA

  LoadFreedomSetLIA       1   ON
    1


/ _____________________________________________________________________________
/ NON-LINEAR STATIC SOLVER DATA

  NonLinearIncrement      0   Yes  "SLU1"
    LON1   1.000000000000000E+0
    LON2   1.000000000000000E+0
    LON3   1.000000000000000E+0
    LON4   1.000000000000000E+0
    LON5   2.000000000000000E-1
    LON6   2.000000000000000E-1
    LON7   2.000000000000000E-1
    LON8   1.000000000000000E+0
    LON9   -3.00000000000000E-1
    FON1   1.000000000000000E+0

  NonLinearIncrement      0   Yes  "SLU2"
    LON1   1.000000000000000E+0
    LON2   1.000000000000000E+0
    LON3   1.000000000000000E+0
    LON4   1.000000000000000E+0
    LON5   2.000000000000000E-1
    LON6   2.000000000000000E-1
    LON7   2.000000000000000E-1
    LON8   -1.000000000000000E+0
    LON9   -3.00000000000000E-1
    FON1   -1.000000000000000E+0

  NonLinearIncrement      0   Yes  "SLU3"
    LON1   1.000000000000000E+0
    LON2   1.000000000000000E+0
    LON3   1.000000000000000E+0
    LON4   1.000000000000000E+0
    LON5   2.000000000000000E-1
    LON6   2.000000000000000E-1
    LON7   2.000000000000000E-1
    LON8   1.000000000000000E+0
    LON9   3.000000000000000E-1
    FON1   1.000000000000000E+0

  NonLinearIncrement      0   Yes  "SLU4"
    LON1   1.000000000000000E+0
    LON2   1.000000000000000E+0
    LON3   1.000000000000000E+0
    LON4   1.000000000000000E+0
    LON5   2.000000000000000E-1
    LON6   2.000000000000000E-1
```

```
  LON7   2.00000000000000E-1
  LON8  -1.00000000000000E+0
  LON9   3.00000000000000E-1
  FON1  -1.00000000000000E+0

NonLinearIncrement     0  Yes  "SLU5"
  LON1   1.00000000000000E+0
  LON2   1.00000000000000E+0
  LON3   1.00000000000000E+0
  LON4   1.00000000000000E+0
  LON5   2.00000000000000E-1
  LON6   2.00000000000000E-1
  LON7   2.00000000000000E-1
  LON8   3.00000000000000E-1
  LON9  -1.00000000000000E+0
  FON1   3.00000000000000E-1

NonLinearIncrement     0  Yes  "SLU6"
  LON1   1.00000000000000E+0
  LON2   1.00000000000000E+0
  LON3   1.00000000000000E+0
  LON4   1.00000000000000E+0
  LON5   2.00000000000000E-1
  LON6   2.00000000000000E-1
  LON7   2.00000000000000E-1
  LON8  -3.00000000000000E-1
  LON9  -1.00000000000000E+0
  FON1  -3.00000000000000E-1

NonLinearIncrement     0  Yes  "SLU7"
  LON1   1.00000000000000E+0
  LON2   1.00000000000000E+0
  LON3   1.00000000000000E+0
  LON4   1.00000000000000E+0
  LON5   2.00000000000000E-1
  LON6   2.00000000000000E-1
  LON7   2.00000000000000E-1
  LON8   3.00000000000000E-1
  LON9   1.00000000000000E+0
  FON1   3.00000000000000E-1

NonLinearIncrement     0  Yes  "SLU8"
  LON1   1.00000000000000E+0
  LON2   1.00000000000000E+0
  LON3   1.00000000000000E+0
  LON4   1.00000000000000E+0
  LON5   2.00000000000000E-1
  LON6   2.00000000000000E-1
  LON7   2.00000000000000E-1
  LON8  -3.00000000000000E-1
  LON9   1.00000000000000E+0
  FON1  -3.00000000000000E-1

NonLinearIncrement     0  Yes  "SLU9"
  LON1   1.00000000000000E+0
  LON2   1.00000000000000E+0
  LON3   1.00000000000000E+0
  LON4   1.00000000000000E+0
  LON5   2.00000000000000E-1
  LON6   2.00000000000000E-1
  LON7   2.00000000000000E-1
  LON8   1.00000000000000E+0
  LON9  -3.00000000000000E-1
  FON1  -1.00000000000000E+0

NonLinearIncrement     0  Yes  "SLU10"
```

```
  LON1   1.000000000000000E+0
  LON2   1.000000000000000E+0
  LON3   1.000000000000000E+0
  LON4   1.000000000000000E+0
  LON5   2.000000000000000E-1
  LON6   2.000000000000000E-1
  LON7   2.000000000000000E-1
  LON8  -1.000000000000000E+0
  LON9  -3.000000000000000E-1
  FON1   1.000000000000000E+0

NonLinearIncrement     0  Yes  "SLU11"
  LON1   1.000000000000000E+0
  LON2   1.000000000000000E+0
  LON3   1.000000000000000E+0
  LON4   1.000000000000000E+0
  LON5   2.000000000000000E-1
  LON6   2.000000000000000E-1
  LON7   2.000000000000000E-1
  LON8   1.000000000000000E+0
  LON9   3.000000000000000E-1
  FON1  -1.000000000000000E+0

NonLinearIncrement     0  Yes  "SLU12"
  LON1   1.000000000000000E+0
  LON2   1.000000000000000E+0
  LON3   1.000000000000000E+0
  LON4   1.000000000000000E+0
  LON5   2.000000000000000E-1
  LON6   2.000000000000000E-1
  LON7   2.000000000000000E-1
  LON8  -1.000000000000000E+0
  LON9   3.000000000000000E-1
  FON1   1.000000000000000E+0

NonLinearIncrement     0  Yes  "SLU13"
  LON1   1.000000000000000E+0
  LON2   1.000000000000000E+0
  LON3   1.000000000000000E+0
  LON4   1.000000000000000E+0
  LON5   2.000000000000000E-1
  LON6   2.000000000000000E-1
  LON7   2.000000000000000E-1
  LON8   3.000000000000000E-1
  LON9  -1.000000000000000E+0
  FON1  -3.000000000000000E-1

NonLinearIncrement     0  Yes  "SLU14"
  LON1   1.000000000000000E+0
  LON2   1.000000000000000E+0
  LON3   1.000000000000000E+0
  LON4   1.000000000000000E+0
  LON5   2.000000000000000E-1
  LON6   2.000000000000000E-1
  LON7   2.000000000000000E-1
  LON8  -3.000000000000000E-1
  LON9  -1.000000000000000E+0
  FON1   3.000000000000000E-1

NonLinearIncrement     0  Yes  "SLU15"
  LON1   1.000000000000000E+0
  LON2   1.000000000000000E+0
  LON3   1.000000000000000E+0
  LON4   1.000000000000000E+0
  LON5   2.000000000000000E-1
  LON6   2.000000000000000E-1
```

```
    LON7   2.000000000000000E-1
    LON8   3.000000000000000E-1
    LON9   1.000000000000000E+0
    FON1  -3.000000000000000E-1

  NonLinearIncrement      0  Yes  "SLU16"
    LON1   1.000000000000000E+0
    LON2   1.000000000000000E+0
    LON3   1.000000000000000E+0
    LON4   1.000000000000000E+0
    LON5   2.000000000000000E-1
    LON6   2.000000000000000E-1
    LON7   2.000000000000000E-1
    LON8  -3.000000000000000E-1
    LON9   1.000000000000000E+0
    FON1   3.000000000000000E-1

  NonLinearStage      Unstaged


/ _____________________________________________________________________________
/ NATURAL FREQUENCY SOLVER DATA

  FreqNumModes          4

  FreqShift          0.000000000000000E+0

  FreqIncludeNSMass      1     2     3     4     5     6     7     8
    9

  FreqModeParticipation   FALSE
   0.000000000000000E+0     0.000000000000000E+0     0.000000000000000E+0
   0.000000000000000E+0     0.000000000000000E+0     0.000000000000000E+0
   0.000000000000000E+0     0.000000000000000E+0     0.000000000000000E+0


/ _____________________________________________________________________________
/ HEAT SOLVER DATA

  LoadSetHeat           1     2     3     4     5     6     7     8
    9

  HeatTempLoadCase       1

  HeatNonlinear       FALSE


/ _____________________________________________________________________________
/ GENERAL SOLVER DATA

  SolverTempDependence   None

  SolverLoadCaseTempDependence      0

  SolverActiveStage       0

  SturmCheck         FALSE

  SolverFreedomCase       1

  ModalLoadType       BaseAcceleration

  ModalNodeReactType   Element

  DampingType         Rayleigh
```

RayleighFactors Frequency
1.00000000000000E+0 1.00000000000000E+1 1.00000000000000E+0 1.00000000000000E+1 1.00000000000000E-2
1.00000000000000E-2

NonLinearGeometry TRUE

NonLinearMaterial TRUE

IncludeCreep FALSE

SolverDefaultsGeneral
SolDefMatrixZeroDiag 1.00000000000000E-20
SolDefConjGradTol 1.00000000000000E-5
SolDefMaxConjGradIter 5000
SolDefMaxNumWarnings 10
SolDefWindowState 3
SolDefReducedLogFile TRUE
SolDefDoResidualsCheck FALSE
SolDefSuppressAllSingularities FALSE

SolverDefaultsElements
SolDefMinDimension 1.00000000000000E-9
SolDefMinInternalAngle 1.50000000000000E+1
SolDefZeroPointForce 1.00000000000000E-6
SolDefZeroDiagonal 1.00000000000000E-20
SolDefBeamMass Lumped
SolDefPlateMass Lumped
SolDefBrickMass Lumped
SolDefBeamLoads Consistent
SolDefPlateLoads Consistent
SolDefBeamSlices 5
SolDefIncludeLinkReactions TRUE

SolverDefaultsDrilling
SolDefZeroTrans 1.00000000000000E-8
SolDefZeroRot 1.00000000000000E-6
SolDrillStiffMult 1.00000000000000E-4
SolDrillZeroEig 1.00000000000000E-6
SolDefMaxNormalsAngle 5.00000000000000E+0
SolDefForceDrillingCheck FALSE

SolverDefaultsIteration
SolDefZeroDisp 1.00000000000000E-8
SolDefDispNormTol 1.00000000000000E-4
SolDefResidualsNormTol 1.00000000000000E-3
SolDefNonlinIterLimit 20
SolDefAddIterations TRUE
SolDefMaxUpdateInterval 5
SolDefMaxDispChange 1.00000000000000E+0
SolDefMaxResidualChange 1.00000000000000E-1
SolDefFormStiffnessMatrix 0
SolDefFormHeatStiffnessMatrix 2
SolDefHeatConvergenceTol 1.00000000000000E-5
SolDefHeatRelaxationFactor 6.66670000000000E-1
SolDefNonlinHeatIterLimit 20

SolverDefaultsSubSteps
SolDefSubStepping 0
SolDefMinLoadReductionFactor 1.00000000000000E-1
SolDefMaxRot 3.00000000000000E+1
SolDefMaxDispRatio 1.00000000000000E-1
SolDefMinArcLength 1.00000000000000E-3
SolDefMaxFibreInc 1.00000000000000E-2
SolDefSaveSubIncrements FALSE
SolDefDynamicAutoSteppingMode 0

```
    SolDefMinTimeStep      1.00000000000000E-3
    SolDefConsiderTableSteps  FALSE
    SolDefSingleShotRestart  FALSE
    SolDefAutoAssignPathDiv  FALSE

  SolverDefaultsNonlinear
    SolDefIncludeKG      TRUE
    SolDefAutoScaleKg   TRUE
    SolDefIgnoreCompressiveBeamKg  FALSE
    SolDefBeamKgType     Simplified
    SolDefFiniteStrainDefinition   Nominal
    SolDefBeamLength     Initial
    SolDefRatioMNL        5.00000000000000E-1
    SolDefZeroContactFactor     1.00000000000000E-6
    SolDefSlidingFriction     1.00000000000000E-15
    SolDefStickingFriction     1.00000000000000E+0
    SolDefFrictionCutoffStrain     1.00000000000000E-5
    SolDefScaleSupports  TRUE

  SolverDefaultsCreep
    SolDefTimeStepParam     5.00000000000000E-1
    SolDefMinViscoUnits      3
    SolDefMaxViscoUnits      6
    SolDefCurveFitTime     1.00000000000000E+4
    SolDefCurveFitTimeUnit   d
    SolDefSpacingBias      5.00000000000000E-1
    SolDefDoInstantNTA  TRUE

  SolverDefaultsEigenvalue
    SolDefZeroFreq        1.00000000000000E-6
    SolDefZeroBuckEigenvalue     1.00000000000000E-10
    SolDefExpandWorkingSetBy      6
    SolDefEigIterLimit      20
    SolDefEigIterTol      1.00000000000000E-5
    SolDefEigAutoShift  FALSE

  SolverDefaultsDynamics
    SolDefWilsonTheta      1.37000000000000E+0
    SolDefNewmarkBeta      5.00000000000000E-1
    SolDefTransientMethod   Newmark
    SolDefExcludeMassComponents
    SolDefIncludeRotMass   TRUE



/ _____
/ RESULT OPTIONS

  ResultOptions
    ResOptsRotationUnit   Degrees
    ResOptsHRADisplacement   Total
    ResOptsHRAVelocity   Total
    ResOptsHRAAcceleration   Relative
    ResOptsBeamForceMoment   Principal
    ResOptsStageDisplacement   BirthStage

/ _____
/ Straus7 MODEL EXCHANGE FILE
/ TIMESTAMP: 6:17:19 pm, 05 giugno 2019

/ _____
/ MODEL INFORMATION

  FileFormat         Straus7.2.4.6
  ModelName          "GA_open_SLE_C"
  Title              ""
```

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  Project          ""
  Author           ""
  Reference        ""
  Comments         ""

/ _____________________________________________________________________________
/ UNITS

  LengthUnit       m
  MassUnit         kg
  EnergyUnit       J
  PressureUnit     MPa
  ForceUnit        kN
  TemperatureUnit  C

/ _____________________________________________________________________________
/ GROUP DEFINITIONS

  Group            1   16711680  "\\Model"
  Group            2    3355647  "calotta"
  Group            3   16757299  "calotta\curvilinea"
  Group            4    6750003  "calotta\rettilinea"
  Group            5    3407692  "piedritto"
  Group            6    3375359  "piedritto\piedritto_alto"
  Group            7   16724812  "piedritto\piedritto_basso"
  Group            8    3407846  "arco rovescio"

/ _____________________________________________________________________________
/ FREEDOM CASE DEFINITIONS

  FreedomCase      1    0    1   "Freedom Case 1"


/ _____________________________________________________________________________
/ LOAD CASE DEFINITIONS

  LoadCase         1    1   "PP"
    Gravity        2   -9.80665000000000E+0
    LCInclude      3

  LoadCase         2    0   "P_cop"
    LCInclude      3

  LoadCase         3    0   "SP_sx"
    LCInclude      3

  LoadCase         4    0   "SP_dx"
    LCInclude      3

  LoadCase         5    0   "V"
    LCInclude      3

  LoadCase         6    0   "SV_sx"
    LCInclude      3

  LoadCase         7    0   "SV_dx"
    LCInclude      3

  LoadCase         8    0   "dS_h"
    LCInclude      3

  LoadCase         9    0   "dS_V"
    LCInclude      3


/ _____________________________________________________________________________
```

/ INCREMENT ENVELOPES

IncrementEnvelope "Envelope Case" Abs
ON 1
ON 2
ON 3
ON 4
ON 5
ON 6
ON 7
ON 8
ON 9
ON 10
ON 11
ON 12
ON 13
ON 14
ON 15
ON 16

/ _____
/ COORDINATE SYSTEM DEFINITIONS

CoordSys 1 "Global XYZ" GlobalXYZ

CoordSys 2 "carichi" RectXYZ
0.00000000000000E+0 1.08600000000000E+1 0.00000000000000E+0

/ _____
/ NODE COORDINATES

Node	1	0	-1.94830000000000E+0	3.33290000000000E+0	0.00000000000000E+0
Node	2	0	-1.85947466801228E+0	3.38326015242999E+0	0.00000000000000E+0
Node	3	0	-1.76934854991663E+0	3.43125356231625E+0	0.00000000000000E+0
Node	4	0	-1.67798469298355E+0	3.47684665611138E+0	0.00000000000000E+0
Node	5	0	-1.58544701033748E+0	3.52000753939703E+0	0.00000000000000E+0
Node	6	0	-1.49180023624673E+0	3.56070601919538E+0	0.00000000000000E+0
Node	7	0	-1.39710988083890E+0	3.59891362509054E+0	0.00000000000000E+0
Node	8	0	-1.30144218427364E+0	3.63460362914487E+0	0.00000000000000E+0
Node	9	0	-1.20486407040466E+0	3.66775106459638E+0	0.00000000000000E+0
Node	10	0	-1.10744309996351E+0	3.69833274332411E+0	0.00000000000000E+0
Node	11	0	-1.00924742329778E+0	3.72632727206921E+0	0.00000000000000E+0
Node	12	0	-9.10345732696894E-1	3.75171506740058E+0	0.00000000000000E+0
Node	13	0	-8.10807214338750E-1	3.77447836941427E+0	0.00000000000000E+0
Node	14	0	-7.10701499890891E-1	3.79460125415739E+0	0.00000000000000E+0
Node	15	0	-6.10098617800016E-1	3.81206964476759E+0	0.00000000000000E+0
Node	16	0	-5.09068944303938E-1	3.82687132132050E+0	0.00000000000000E+0
Node	17	0	-4.07683154200238E-1	3.83899592937806E+0	0.00000000000000E+0
Node	18	0	-3.06012171406074E-1	3.84843498723200E+0	0.00000000000000E+0
Node	19	0	-2.04127119343708E-1	3.85518189183707E+0	0.00000000000000E+0
Node	20	0	-1.02099271186475E-1	3.85923192343026E+0	0.00000000000000E+0
Node	21	0	-3.80446542325164E-16	3.86058224883242E+0	0.00000000000000E+0
Node	22	0	1.02099271186474E-1	3.85923192343026E+0	0.00000000000000E+0
Node	23	0	2.04127119343707E-1	3.85518189183707E+0	0.00000000000000E+0
Node	24	0	3.06012171406073E-1	3.84843498723200E+0	0.00000000000000E+0
Node	25	0	4.07683154200237E-1	3.83899592937806E+0	0.00000000000000E+0
Node	26	0	5.09068944303936E-1	3.82687132132050E+0	0.00000000000000E+0
Node	27	0	6.10098617800015E-1	3.81206964476759E+0	0.00000000000000E+0
Node	28	0	7.10701499890890E-1	3.79460125415739E+0	0.00000000000000E+0
Node	29	0	8.10807214338749E-1	3.77447836941427E+0	0.00000000000000E+0
Node	30	0	9.10345732696893E-1	3.75171506740058E+0	0.00000000000000E+0
Node	31	0	1.00924742329778E+0	3.72632727206921E+0	0.00000000000000E+0
Node	32	0	1.10744309996351E+0	3.69833274332411E+0	0.00000000000000E+0
Node	33	0	1.20486407040466E+0	3.66775106459638E+0	0.00000000000000E+0

Node	34	0	1.30144218427364E+0	3.63460362914487E+0	0.00000000000000E+0
Node	35	0	1.39710988083890E+0	3.59891362509054E+0	0.00000000000000E+0
Node	36	0	1.49180023624673E+0	3.56070601919538E+0	0.00000000000000E+0
Node	37	0	1.58544701033748E+0	3.52000753939703E+0	0.00000000000000E+0
Node	38	0	1.67798469298354E+0	3.47684665611138E+0	0.00000000000000E+0
Node	39	0	1.76934854991663E+0	3.43125356231625E+0	0.00000000000000E+0
Node	40	0	1.85947466801228E+0	3.38326015242999E+0	0.00000000000000E+0
Node	41	0	1.94830000000000E+0	3.33290000000000E+0	0.00000000000000E+0
Node	42	0	2.11546000000000E+0	3.20923000000000E+0	0.00000000000000E+0
Node	43	0	2.28262000000000E+0	3.08556000000000E+0	0.00000000000000E+0
Node	44	0	2.44978000000000E+0	2.96189000000000E+0	0.00000000000000E+0
Node	45	0	2.61694000000000E+0	2.83822000000000E+0	0.00000000000000E+0
Node	46	0	2.78410000000000E+0	2.71455000000000E+0	0.00000000000000E+0
Node	47	0	2.95126000000000E+0	2.59088000000000E+0	0.00000000000000E+0
Node	48	0	3.11842000000000E+0	2.46721000000000E+0	0.00000000000000E+0
Node	49	0	3.28558000000000E+0	2.34354000000000E+0	0.00000000000000E+0
Node	50	0	3.45274000000000E+0	2.21987000000000E+0	0.00000000000000E+0
Node	51	0	3.61990000000000E+0	2.09620000000000E+0	0.00000000000000E+0
Node	52	0	0.00000000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	53	0	-2.11546000000000E+0	3.20923000000000E+0	0.00000000000000E+0
Node	54	0	-2.28262000000000E+0	3.08556000000000E+0	0.00000000000000E+0
Node	55	0	-2.44978000000000E+0	2.96189000000000E+0	0.00000000000000E+0
Node	56	0	-2.61694000000000E+0	2.83822000000000E+0	0.00000000000000E+0
Node	57	0	-2.78410000000000E+0	2.71455000000000E+0	0.00000000000000E+0
Node	58	0	-2.95126000000000E+0	2.59088000000000E+0	0.00000000000000E+0
Node	59	0	-3.11842000000000E+0	2.46721000000000E+0	0.00000000000000E+0
Node	60	0	-3.28558000000000E+0	2.34354000000000E+0	0.00000000000000E+0
Node	61	0	-3.45274000000000E+0	2.21987000000000E+0	0.00000000000000E+0
Node	62	0	-3.61990000000000E+0	2.09620000000000E+0	0.00000000000000E+0
Node	63	0	3.66914272971283E+0	1.89024296185021E+0	0.00000000000000E+0
Node	64	0	3.71328302196233E+0	1.68313240539995E+0	0.00000000000000E+0
Node	65	0	3.75229394019274E+0	1.47499471959599E+0	0.00000000000000E+0
Node	66	0	3.78615167804214E+0	1.26595692018946E+0	0.00000000000000E+0
Node	67	0	3.81483557387019E+0	1.05614657222461E+0	0.00000000000000E+0
Node	68	0	3.83832812336690E+0	8.45691712192458E-1	0.00000000000000E+0
Node	69	0	3.85661499023460E+0	6.34720769896678E-1	0.00000000000000E+0
Node	70	0	3.86968501493665E+0	4.23362490079458E-1	0.00000000000000E+0
Node	71	0	3.87753022150753E+0	2.11745853855208E-1	0.00000000000000E+0
Node	72	0	3.88015000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	73	0	-3.66914272971283E+0	1.89024296185021E+0	0.00000000000000E+0
Node	74	0	-3.71328302196233E+0	1.68313240539995E+0	0.00000000000000E+0
Node	75	0	-3.75229394019274E+0	1.47499471959599E+0	0.00000000000000E+0
Node	76	0	-3.78615167804214E+0	1.26595692018946E+0	0.00000000000000E+0
Node	77	0	-3.81483557387019E+0	1.05614657222461E+0	0.00000000000000E+0
Node	78	0	-3.83832812336690E+0	8.45691712192458E-1	0.00000000000000E+0
Node	79	0	-3.85661499023460E+0	6.34720769896678E-1	0.00000000000000E+0
Node	80	0	-3.86968501493665E+0	4.23362490079458E-1	0.00000000000000E+0
Node	81	0	-3.87753022150753E+0	2.11745853855208E-1	0.00000000000000E+0
Node	82	0	-3.88015000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	83	0	-3.49550000000000E+0	-3.56270000000000E+0	0.00000000000000E+0
Node	84	0	-3.33230782624253E+0	-3.60057547048123E+0	0.00000000000000E+0
Node	85	0	-3.16879248559635E+0	-3.63703051420949E+0	0.00000000000000E+0
Node	86	0	-3.00496634122818E+0	-3.67206237486980E+0	0.00000000000000E+0
Node	87	0	-2.84084177980416E+0	-3.70566840375206E+0	0.00000000000000E+0
Node	88	0	-2.67643121055332E+0	-3.73784605995134E+0	0.00000000000000E+0
Node	89	0	-2.51174706432936E+0	-3.76859291055994E+0	0.00000000000000E+0
Node	90	0	-2.34680179267073E+0	-3.79790663085141E+0	0.00000000000000E+0
Node	91	0	-2.18160786685924E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	92	0	-2.01617777697708E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	93	0	-1.85052403096246E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	94	0	-1.68465915366393E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	95	0	-1.51859568589340E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	96	0	-1.35234618347790E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	97	0	-1.18592321631029E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	98	0	-1.01933936739887E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	99	0	-8.52607231915959E-1	-3.79790000000000E+0	0.00000000000000E+0

Node	100	0	-6.85739416245641E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	101	0	-5.18748537030578E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	102	0	-3.51647220218097E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	103	0	-1.84448100105556E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	104	0	-1.71638183850854E-2	-3.79790000000000E+0	0.00000000000000E+0
Node	105	0	3.49550000000000E+0	-3.56270000000000E+0	0.00000000000000E+0
Node	106	0	3.53876190604596E+0	-3.38827494401322E+0	0.00000000000000E+0
Node	107	0	3.57939848608508E+0	-3.21321963551490E+0	0.00000000000000E+0
Node	108	0	3.61740056791651E+0	-3.03757358674864E+0	0.00000000000000E+0
Node	109	0	3.65275957397965E+0	-2.86137644329578E+0	0.00000000000000E+0
Node	110	0	3.68546752329024E+0	-2.68466797512683E+0	0.00000000000000E+0
Node	111	0	3.71551703324176E+0	-2.50748806762490E+0	0.00000000000000E+0
Node	112	0	3.74290132127180E+0	-2.32987671258303E+0	0.00000000000000E+0
Node	113	0	3.76761420639292E+0	-2.15187399917756E+0	0.00000000000000E+0
Node	114	0	3.78965011058784E+0	-1.97352010491945E+0	0.00000000000000E+0
Node	115	0	3.81400406006844E+0	-1.79485528658573E+0	0.00000000000000E+0
Node	116	0	3.83567168639838E+0	-1.61591987113298E+0	0.00000000000000E+0
Node	117	0	3.84464922747919E+0	-1.43675424659509E+0	0.00000000000000E+0
Node	118	0	3.85593352839935E+0	-1.25739885296706E+0	0.00000000000000E+0
Node	119	0	3.86452204214643E+0	-1.07789417307727E+0	0.00000000000000E+0
Node	120	0	3.87541283018197E+0	-8.98280723449910E-1	0.00000000000000E+0
Node	121	0	3.87860456287904E+0	-7.18599045159911E-1	0.00000000000000E+0
Node	122	0	3.87909651982237E+0	-5.38889694682297E-1	0.00000000000000E+0
Node	123	0	3.87688858997090E+0	-3.59193234738058E-1	0.00000000000000E+0
Node	124	0	3.88198127168293E+0	-1.79550225138629E-1	0.00000000000000E+0
Node	125	0	3.33230782624253E+0	-3.60057547048123E+0	0.00000000000000E+0
Node	126	0	3.16879248559635E+0	-3.63703051420949E+0	0.00000000000000E+0
Node	127	0	3.00496634122818E+0	-3.67206237486980E+0	0.00000000000000E+0
Node	128	0	2.84084177980416E+0	-3.70566840375206E+0	0.00000000000000E+0
Node	129	0	2.67643121055332E+0	-3.73784605995134E+0	0.00000000000000E+0
Node	130	0	2.51174706432936E+0	-3.76859291055994E+0	0.00000000000000E+0
Node	131	0	2.34680179267073E+0	-3.79790663085141E+0	0.00000000000000E+0
Node	132	0	2.18160786685924E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	133	0	2.01617777697708E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	134	0	1.85052403096246E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	135	0	1.68465915366393E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	136	0	1.51859568589340E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	137	0	1.35234618347790E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	138	0	1.18592321631029E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	139	0	1.01933936739887E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	140	0	8.52607231915959E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	141	0	6.85739416245641E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	142	0	5.18748537030578E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	143	0	3.51647220218097E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	144	0	1.84448100105556E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	145	0	1.71638183850854E-2	-3.79790000000000E+0	0.00000000000000E+0
Node	146	0	-3.53876190604596E+0	-3.38827494401322E+0	0.00000000000000E+0
Node	147	0	-3.57939848608508E+0	-3.21321963551490E+0	0.00000000000000E+0
Node	148	0	-3.61740056791651E+0	-3.03757358674864E+0	0.00000000000000E+0
Node	149	0	-3.65275957397965E+0	-2.86137644329578E+0	0.00000000000000E+0
Node	150	0	-3.68546752329024E+0	-2.68466797512683E+0	0.00000000000000E+0
Node	151	0	-3.71551703324176E+0	-2.50748806762490E+0	0.00000000000000E+0
Node	152	0	-3.74290132127180E+0	-2.32987671258303E+0	0.00000000000000E+0
Node	153	0	-3.76761420639292E+0	-2.15187399917756E+0	0.00000000000000E+0
Node	154	0	-3.78965011058784E+0	-1.97352010491945E+0	0.00000000000000E+0
Node	155	0	-3.81400406006844E+0	-1.79485528658573E+0	0.00000000000000E+0
Node	156	0	-3.83567168639838E+0	-1.61591987113298E+0	0.00000000000000E+0
Node	157	0	-3.84464922747919E+0	-1.43675424659509E+0	0.00000000000000E+0
Node	158	0	-3.85593352839935E+0	-1.25739885296706E+0	0.00000000000000E+0
Node	159	0	-3.86452204214643E+0	-1.07789417307727E+0	0.00000000000000E+0
Node	160	0	-3.87541283018197E+0	-8.98280723449910E-1	0.00000000000000E+0
Node	161	0	-3.87860456287904E+0	-7.18599045159911E-1	0.00000000000000E+0
Node	162	0	-3.87909651982237E+0	-5.38889694682297E-1	0.00000000000000E+0
Node	163	0	-3.87688858997090E+0	-3.59193234738058E-1	0.00000000000000E+0
Node	164	0	-3.88198127168293E+0	-1.79550225138629E-1	0.00000000000000E+0

/ _____
/ BEAM ELEMENTS

Beam	1	0	3	1	2	1
Beam	2	0	3	1	3	2
Beam	3	0	3	1	4	3
Beam	4	0	3	1	5	4
Beam	5	0	3	1	6	5
Beam	6	0	3	1	7	6
Beam	7	0	3	1	8	7
Beam	8	0	3	1	9	8
Beam	9	0	3	1	10	9
Beam	10	0	3	1	11	10
Beam	11	0	3	1	12	11
Beam	12	0	3	1	13	12
Beam	13	0	3	1	14	13
Beam	14	0	3	1	15	14
Beam	15	0	3	1	16	15
Beam	16	0	3	1	17	16
Beam	17	0	3	1	18	17
Beam	18	0	3	1	19	18
Beam	19	0	3	1	20	19
Beam	20	0	3	1	21	20
Beam	21	0	3	1	22	21
Beam	22	0	3	1	23	22
Beam	23	0	3	1	24	23
Beam	24	0	3	1	25	24
Beam	25	0	3	1	26	25
Beam	26	0	3	1	27	26
Beam	27	0	3	1	28	27
Beam	28	0	3	1	29	28
Beam	29	0	3	1	30	29
Beam	30	0	3	1	31	30
Beam	31	0	3	1	32	31
Beam	32	0	3	1	33	32
Beam	33	0	3	1	34	33
Beam	34	0	3	1	35	34
Beam	35	0	3	1	36	35
Beam	36	0	3	1	37	36
Beam	37	0	3	1	38	37
Beam	38	0	3	1	39	38
Beam	39	0	3	1	40	39
Beam	40	0	3	1	41	40
Beam	41	0	4	2	42	41
Beam	42	0	4	3	43	42
Beam	43	0	4	4	44	43
Beam	44	0	4	5	45	44
Beam	45	0	4	6	46	45
Beam	46	0	4	7	47	46
Beam	47	0	4	8	48	47
Beam	48	0	4	9	49	48
Beam	49	0	4	10	50	49
Beam	50	0	4	11	51	50
Beam	51	0	4	2	1	53
Beam	52	0	4	3	53	54
Beam	53	0	4	4	54	55
Beam	54	0	4	5	55	56
Beam	55	0	4	6	56	57
Beam	56	0	4	7	57	58
Beam	57	0	4	8	58	59
Beam	58	0	4	9	59	60
Beam	59	0	4	10	60	61
Beam	60	0	4	11	61	62
Beam	61	0	6	10	63	51
Beam	62	0	6	9	64	63
Beam	63	0	6	8	65	64

Beam	64	0	6	7	66	65
Beam	65	0	6	6	67	66
Beam	66	0	6	5	68	67
Beam	67	0	6	4	69	68
Beam	68	0	6	3	70	69
Beam	69	0	6	2	71	70
Beam	70	0	6	1	72	71
Beam	71	0	6	10	62	73
Beam	72	0	6	9	73	74
Beam	73	0	6	8	74	75
Beam	74	0	6	7	75	76
Beam	75	0	6	6	76	77
Beam	76	0	6	5	77	78
Beam	77	0	6	4	78	79
Beam	78	0	6	3	79	80
Beam	79	0	6	2	80	81
Beam	80	0	6	1	81	82
Beam	81	0	8	27	83	84
Beam	82	0	8	28	84	85
Beam	83	0	8	29	85	86
Beam	84	0	8	30	86	87
Beam	85	0	8	31	87	88
Beam	86	0	8	32	88	89
Beam	87	0	8	1	89	90
Beam	88	0	8	1	90	91
Beam	89	0	8	1	91	92
Beam	90	0	8	1	92	93
Beam	91	0	8	1	93	94
Beam	92	0	8	1	94	95
Beam	93	0	8	1	95	96
Beam	94	0	8	1	96	97
Beam	95	0	8	1	97	98
Beam	96	0	8	1	98	99
Beam	97	0	8	1	99	100
Beam	98	0	8	1	100	101
Beam	99	0	8	1	101	102
Beam	100	0	8	1	102	103
Beam	101	0	8	1	103	104
Beam	102	0	7	27	105	106
Beam	103	0	7	50	106	107
Beam	104	0	7	49	107	108
Beam	105	0	7	48	108	109
Beam	106	0	7	47	109	110
Beam	107	0	7	46	110	111
Beam	108	0	7	45	111	112
Beam	109	0	7	44	112	113
Beam	110	0	7	43	113	114
Beam	111	0	7	42	114	115
Beam	112	0	7	41	115	116
Beam	113	0	7	40	116	117
Beam	114	0	7	39	117	118
Beam	115	0	7	38	118	119
Beam	116	0	7	37	119	120
Beam	117	0	7	36	120	121
Beam	118	0	7	35	121	122
Beam	119	0	7	34	122	123
Beam	120	0	7	33	123	124
Beam	121	0	7	1	124	72
Beam	122	0	8	27	125	105
Beam	123	0	8	28	126	125
Beam	124	0	8	29	127	126
Beam	125	0	8	30	128	127
Beam	126	0	8	31	129	128
Beam	127	0	8	32	130	129
Beam	128	0	8	1	131	130
Beam	129	0	8	1	132	131

```
  Beam          130    0    8    1   133   132
  Beam          131    0    8    1   134   133
  Beam          132    0    8    1   135   134
  Beam          133    0    8    1   136   135
  Beam          134    0    8    1   137   136
  Beam          135    0    8    1   138   137
  Beam          136    0    8    1   139   138
  Beam          137    0    8    1   140   139
  Beam          138    0    8    1   141   140
  Beam          139    0    8    1   142   141
  Beam          140    0    8    1   143   142
  Beam          141    0    8    1   144   143
  Beam          142    0    8    1   145   144
  Beam          143    0    7   27   146    83
  Beam          144    0    7   50   147   146
  Beam          145    0    7   49   148   147
  Beam          146    0    7   48   149   148
  Beam          147    0    7   47   150   149
  Beam          148    0    7   46   151   150
  Beam          149    0    7   45   152   151
  Beam          150    0    7   44   153   152
  Beam          151    0    7   43   154   153
  Beam          152    0    7   42   155   154
  Beam          153    0    7   41   156   155
  Beam          154    0    7   40   157   156
  Beam          155    0    7   39   158   157
  Beam          156    0    7   38   159   158
  Beam          157    0    7   37   160   159
  Beam          158    0    7   36   161   160
  Beam          159    0    7   35   162   161
  Beam          160    0    7   34   163   162
  Beam          161    0    7   33   164   163
  Beam          162    0    7    1    82   164
  Beam          163    0    8    1   104   145

/ ____________________________________________________________________________
/ BEAM SUPPORTS
/ Freedom Case 1
  BmSupport       1    1  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    2  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    3  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    4  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    5  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    6  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    7  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    8  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1    9  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   10  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   11  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   12  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   13  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   14  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   15  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   16  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   17  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   18  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   19  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   20  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   21  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   22  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   23  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   24  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   25  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   26  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   27  0.00000000000000E+0  8.14000000000000E+2  CompOnly
  BmSupport       1   28  0.00000000000000E+0  8.14000000000000E+2  CompOnly
```

BmSupport	1	29	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	30	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	31	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	32	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	33	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	34	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	35	0.00000000000000E+0	8.14000000000000E+2	CompOnly
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BmSupport	1	37	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	38	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	39	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	40	0.00000000000000E+0	8.14000000000000E+2	CompOnly
BmSupport	1	41	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	42	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	43	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	44	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	45	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	46	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	47	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	48	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	49	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	50	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	51	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	52	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	53	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	54	0.00000000000000E+0	4.22650000000000E+3	CompOnly
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BmSupport	1	58	0.00000000000000E+0	4.22650000000000E+3	CompOnly
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BmSupport	1	62	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	63	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	64	0.00000000000000E+0	4.18600000000000E+3	CompOnly
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BmSupport	1	66	0.00000000000000E+0	4.18600000000000E+3	CompOnly
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BmSupport	1	68	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	69	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	70	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	71	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	72	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	73	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	74	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	75	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	76	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	77	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	78	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	79	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	80	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	81	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	82	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	83	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	84	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	85	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	86	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	87	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	88	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	89	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	90	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	91	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	92	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	93	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	94	0.00000000000000E+0	8.20646364281163E+5	CompOnly

BmSupport	1	95	0.00000000000000E+0	8.20646364281163E+5	CompOnly
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BmSupport	1	98	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	99	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	100	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	101	0.00000000000000E+0	8.20646364281163E+5	CompOnly
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BmSupport	1	103	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	104	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	105	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	106	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	107	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	108	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	109	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	110	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	111	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	112	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	113	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	114	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	115	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	116	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	117	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	118	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	119	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	120	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	121	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	122	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	123	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	124	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	125	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	126	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	127	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	128	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	129	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	130	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	131	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	132	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	133	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	134	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	135	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	136	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	137	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	138	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	139	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	140	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	141	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	142	0.00000000000000E+0	8.20646364281200E+5	CompOnly
BmSupport	1	143	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	144	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	145	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	146	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	147	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	148	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	149	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	150	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	151	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	152	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	153	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	154	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	155	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	156	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	157	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	158	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	159	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	160	0.00000000000000E+0	1.49579927300000E+6	CompOnly

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  BmSupport          1   161   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   162   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   163   0.00000000000000E+0    8.20646364281200E+5    CompOnly

/ ____________________________________________________________________________
/ BEAM GLOBAL DISTRIBUTED LOADS
/ P_cop
  BmDistLoadG        2     1     Y     1  -1.50038398475700E+2   -1.50038398475700E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     2     Y     1  -1.49054862852538E+2   -1.49054862852538E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     3     Y     1  -1.48118997815724E+2   -1.48118997815724E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     4     Y     1  -1.47231458044916E+2   -1.47231458044916E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     5     Y     1  -1.46392864414076E+2   -1.46392864414076E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     6     Y     1  -1.45603803557141E+2   -1.45603803557141E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     7     Y     1  -1.44864827457646E+2   -1.44864827457646E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     8     Y     1  -1.44176453062587E+2   -1.44176453062587E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     9     Y     1  -1.43539161920795E+2   -1.43539161920795E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     10    Y     1  -1.42953399846067E+2   -1.42953399846067E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     11    Y     1  -1.42419576605302E+2   -1.42419576605302E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     12    Y     1  -1.41938065631851E+2   -1.41938065631851E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     13    Y     1  -1.41509203764283E+2   -1.41509203764283E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     14    Y     1  -1.41133291010750E+2   -1.41133291010750E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     15    Y     1  -1.40810590339119E+2   -1.40810590339119E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     16    Y     1  -1.40541327493014E+2   -1.40541327493014E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     17    Y     1  -1.40325690833899E+2   -1.40325690833899E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     18    Y     1  -1.40163831209309E+2   -1.40163831209309E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     19    Y     1  -1.40055861847327E+2   -1.40055861847327E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     20    Y     1  -1.40001858277373E+2   -1.40001858277373E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     21    Y     1  -1.40001858277373E+2   -1.40001858277373E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     22    Y     1  -1.40055861847327E+2   -1.40055861847327E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     23    Y     1  -1.40163831209309E+2   -1.40163831209309E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     24    Y     1  -1.40325690833899E+2   -1.40325690833899E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     25    Y     1  -1.40541327493014E+2   -1.40541327493014E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     26    Y     1  -1.40810590339119E+2   -1.40810590339119E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     27    Y     1  -1.41133291010750E+2   -1.41133291010750E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     28    Y     1  -1.41509203764283E+2   -1.41509203764283E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2     29    Y     1  -1.41938065631851E+2   -1.41938065631851E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
```

BmDistLoadG 2 30 Y 1 -1.42419576605302E+2 -1.42419576605302E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 31 Y 1 -1.42953399846067E+2 -1.42953399846067E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 32 Y 1 -1.43539161920795E+2 -1.43539161920795E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 33 Y 1 -1.44176453062587E+2 -1.44176453062587E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 34 Y 1 -1.44864827457646E+2 -1.44864827457646E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 35 Y 1 -1.45603803557141E+2 -1.45603803557141E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 36 Y 1 -1.46392864414076E+2 -1.46392864414076E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 37 Y 1 -1.47231458044916E+2 -1.47231458044916E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 38 Y 1 -1.48118997815724E+2 -1.48118997815724E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 39 Y 1 -1.49054862852538E+2 -1.49054862852538E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 40 Y 1 -1.50038398475700E+2 -1.50038398475700E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 41 Y 1 -1.51778700000000E+2 -1.51778700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 42 Y 1 -1.54252100000000E+2 -1.54252100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 43 Y 1 -1.56725500000000E+2 -1.56725500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 44 Y 1 -1.59198900000000E+2 -1.59198900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 45 Y 1 -1.61672300000000E+2 -1.61672300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 46 Y 1 -1.64145700000000E+2 -1.64145700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 47 Y 1 -1.66619100000000E+2 -1.66619100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 48 Y 1 -1.69092500000000E+2 -1.69092500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 49 Y 1 -1.71565900000000E+2 -1.71565900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 50 Y 1 -1.74039300000000E+2 -1.74039300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 51 Y 1 -1.51778700000000E+2 -1.51778700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 52 Y 1 -1.54252100000000E+2 -1.54252100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 53 Y 1 -1.56725500000000E+2 -1.56725500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 54 Y 1 -1.59198900000000E+2 -1.59198900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 55 Y 1 -1.61672300000000E+2 -1.61672300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 56 Y 1 -1.64145700000000E+2 -1.64145700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 57 Y 1 -1.66619100000000E+2 -1.66619100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 58 Y 1 -1.69092500000000E+2 -1.69092500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 59 Y 1 -1.71565900000000E+2 -1.71565900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 60 Y 1 -1.74039300000000E+2 -1.74039300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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BmDistLoadG 3 1 X 1 8.70222711159060E+1 8.70222711159060E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 2 X 1 8.64518204544718E+1 8.64518204544718E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 3 X 1 8.59090187331197E+1 8.59090187331197E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 4 X 1 8.53942456660512E+1 8.53942456660512E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 5 X 1 8.49078613601640E+1 8.49078613601640E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 6 X 1 8.44502060631416E+1 8.44502060631416E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 7 X 1 8.40215999254346E+1 8.40215999254346E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 8 X 1 8.36223427763007E+1 8.36223427763007E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 9 X 1 8.32527139140611E+1 8.32527139140611E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 10 X 1 8.29129719107187E+1 8.29129719107187E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 11 X 1 8.26033544310752E+1 8.26033544310752E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 12 X 1 8.23240780664738E+1 8.23240780664738E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 13 X 1 8.20753381832843E+1 8.20753381832843E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 14 X 1 8.18573087862351E+1 8.18573087862351E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 15 X 1 8.16701423966891E+1 8.16701423966891E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 16 X 1 8.15139699459483E+1 8.15139699459483E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 17 X 1 8.13889006836616E+1 8.13889006836616E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 18 X 1 8.12950221013994E+1 8.12950221013994E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 19 X 1 8.12323998714495E+1 8.12323998714495E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 20 X 1 8.12010778008764E+1 8.12010778008764E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 51 X 1 8.80316460000000E+1 8.80316460000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 52 X 1 8.94662180000000E+1 8.94662180000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 53 X 1 9.09007900000000E+1 9.09007900000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 54 X 1 9.23353620000000E+1 9.23353620000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 55 X 1 9.37699340000000E+1 9.37699340000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 56 X 1 9.52045060000000E+1 9.52045060000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 57 X 1 9.66390780000000E+1 9.66390780000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 58 X 1 9.80736500000000E+1 9.80736500000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 59 X 1 9.95082220000000E+1 9.95082220000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 60 X 1 1.00942794000000E+2 1.00942794000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 71 X 1 1.02854630821268E+2 1.02854630821268E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 72 X 1 1.05250422869949E+2 1.05250422869949E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 73 X 1 1.07658862675023E+2 1.07658862675023E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 3 74 X 1 1.10078480489244E+2 1.10078480489244E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 75 X 1 1.12507799743998E+2 1.12507799743998E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 76 X 1 1.14945337950381E+2 1.14945337950381E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 77 X 1 1.17389607603883E+2 1.17389607603883E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 78 X 1 1.19839117092138E+2 1.19839117092138E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 79 X 1 1.22292371605178E+2 1.22292371605178E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 80 X 1 1.24747874047639E+2 1.24747874047639E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 143 X 1 1.66291654675277E+2 1.66291654675277E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 144 X 1 1.64264668561263E+2 1.64264668561263E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 145 X 1 1.62230600689128E+2 1.62230600689128E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 146 X 1 1.60189910174258E+2 1.60189910174258E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 147 X 1 1.58143057626851E+2 1.58143057626851E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 148 X 1 1.56090505047960E+2 1.56090505047960E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 149 X 1 1.54032715725206E+2 1.54032715725206E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 150 X 1 1.51970154128211E+2 1.51970154128211E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 151 X 1 1.49903285803763E+2 1.49903285803763E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 152 X 1 1.47832577270730E+2 1.47832577270730E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 153 X 1 1.45758495914769E+2 1.45758495914769E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 154 X 1 1.43681509882823E+2 1.43681509882823E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 155 X 1 1.41602087977460E+2 1.41602087977460E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 156 X 1 1.39520699551057E+2 1.39520699551057E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 157 X 1 1.37437814399858E+2 1.37437814399858E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 158 X 1 1.35353902657937E+2 1.35353902657937E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 159 X 1 1.33269434691085E+2 1.33269434691085E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 160 X 1 1.31184880990638E+2 1.31184880990638E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 161 X 1 1.29100712067285E+2 1.29100712067285E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 162 X 1 1.27017391305804E+2 1.27017391305804E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0

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BmDistLoadG 4 21 X 1 -8.12010778008764E+1 -8.12010778008764E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 22 X 1 -8.12323998714495E+1 -8.12323998714495E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 23 X 1 -8.12950221013994E+1 -8.12950221013994E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 24 X 1 -8.13889006836616E+1 -8.13889006836616E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 25 X 1 -8.15139699459483E+1 -8.15139699459483E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 26 X 1 -8.16701423966891E+1 -8.16701423966891E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 27 X 1 -8.18573087862351E+1 -8.18573087862351E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 28 X 1 -8.20753381832843E+1 -8.20753381832843E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 29 X 1 -8.23240780664738E+1 -8.23240780664738E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 30 X 1 -8.26033544310752E+1 -8.26033544310752E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 31 X 1 -8.29129719107187E+1 -8.29129719107187E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 32 X 1 -8.32527139140611E+1 -8.32527139140611E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 33 X 1 -8.36223427763007E+1 -8.36223427763007E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 34 X 1 -8.40215999254346E+1 -8.40215999254346E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 35 X 1 -8.44502060631416E+1 -8.44502060631416E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 36 X 1 -8.49078613601640E+1 -8.49078613601640E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 37 X 1 -8.53942456660512E+1 -8.53942456660512E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 38 X 1 -8.59090187331197E+1 -8.59090187331197E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 39 X 1 -8.64518204544718E+1 -8.64518204544718E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 40 X 1 -8.70222711159060E+1 -8.70222711159060E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 41 X 1 -8.80316460000000E+1 -8.80316460000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 42 X 1 -8.94662180000000E+1 -8.94662180000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 43 X 1 -9.09007900000000E+1 -9.09007900000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 44 X 1 -9.23353620000000E+1 -9.23353620000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 45 X 1 -9.37699340000000E+1 -9.37699340000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 46 X 1 -9.52045060000000E+1 -9.52045060000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 47 X 1 -9.66390780000000E+1 -9.66390780000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 48 X 1 -9.80736500000000E+1 -9.80736500000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 49 X 1 -9.95082220000000E+1 -9.95082220000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 50 X 1 -1.00942794000000E+2 -1.00942794000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 61 X 1 -1.02854630821268E+2 -1.02854630821268E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 62 X 1 -1.05250422869949E+2 -1.05250422869949E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 63 X 1 -1.07658862675023E+2 -1.07658862675023E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 64 X 1 -1.10078480489244E+2 -1.10078480489244E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 65 X 1 -1.12507799743998E+2 -1.12507799743998E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 66 X 1 -1.14945337950381E+2 -1.14945337950381E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 67 X 1 -1.17389607603883E+2 -1.17389607603883E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 68 X 1 -1.19839117092138E+2 -1.19839117092138E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 69 X 1 -1.22292371605178E+2 -1.22292371605178E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 70 X 1 -1.24747874047639E+2 -1.24747874047639E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 102 X 1 -1.66291654675277E+2 -1.66291654675277E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 103 X 1 -1.64264668561263E+2 -1.64264668561263E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 104 X 1 -1.62230600689128E+2 -1.62230600689128E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 105 X 1 -1.60189910174258E+2 -1.60189910174258E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 106 X 1 -1.58143057626851E+2 -1.58143057626851E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 107 X 1 -1.56090505047960E+2 -1.56090505047960E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 108 X 1 -1.54032715725206E+2 -1.54032715725206E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 109 X 1 -1.51970154128211E+2 -1.51970154128211E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 110 X 1 -1.49903285803763E+2 -1.49903285803763E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 111 X 1 -1.47832577270730E+2 -1.47832577270730E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 112 X 1 -1.45758495914769E+2 -1.45758495914769E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 113 X 1 -1.43681509882823E+2 -1.43681509882823E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 114 X 1 -1.41602087977460E+2 -1.41602087977460E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 115 X 1 -1.39520699551057E+2 -1.39520699551057E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 116 X 1 -1.37437814399858E+2 -1.37437814399858E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 117 X 1 -1.35353902657937E+2 -1.35353902657937E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 118 X 1 -1.33269434691085E+2 -1.33269434691085E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 119 X 1 -1.31184880990638E+2 -1.31184880990638E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 120 X 1 -1.29100712067285E+2 -1.29100712067285E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 121 X 1 -1.27017391305804E+2 -1.27017391305804E+2 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ V
BmDistLoadG 5 1 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 2 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 3 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 4 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 5 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 6 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 7 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 8 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 5 9 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 10 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 11 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 12 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 13 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 14 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 15 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 16 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 17 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 18 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 19 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 20 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 21 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 22 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 23 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 24 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 25 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 26 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 27 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 28 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 29 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 30 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 31 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 32 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 33 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 34 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 35 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 36 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 37 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 38 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 39 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 40 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 5 41 Y 1 -2.000000000000000E+1 -2.000000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 5 42 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 43 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 44 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 45 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 46 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 47 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 48 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 49 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 50 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 51 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 52 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 53 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 54 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 55 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 56 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 57 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 58 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 59 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 60 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ SV_sx
BmDistLoadG 6 1 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 2 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 3 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 4 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 5 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 6 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 7 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 8 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 9 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 10 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 11 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 12 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 6 13 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 14 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 15 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 16 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 17 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 18 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 19 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 20 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 21 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 51 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 52 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 53 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 54 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 55 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 56 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 57 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 58 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 59 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 60 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 71 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 72 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 73 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 74 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 75 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 76 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 77 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 78 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 79 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 80 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 143 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 144 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 145 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 146 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

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  BmDistLoadG         6   147   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   148   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   149   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   150   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   151   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   152   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   153   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   154   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   155   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   156   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   157   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   158   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   159   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   160   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   161   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         6   162   X   1  1.160000000000000E+1   1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SV_dx
  BmDistLoadG         7    22   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    23   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    24   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    25   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    26   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    27   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    28   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    29   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    30   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    31   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    32   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    33   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    34   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    35   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG         7    36   X   1 -1.160000000000000E+1  -1.160000000000000E+1   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
```

BmDistLoadG 7 37 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 38 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 39 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 40 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 41 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 42 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 43 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 44 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 45 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 46 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 47 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 48 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 49 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 50 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 61 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 62 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 63 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 64 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 65 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 66 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 67 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 68 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 69 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 70 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 102 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 103 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 104 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 105 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 106 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 107 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 108 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 109 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 110 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

```
  BmDistLoadG         7   111    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG         7   112    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG         7   113    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG         7   114    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG         7   115    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG         7   116    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG         7   117    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG         7   118    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG         7   119    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG         7   120    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0
  BmDistLoadG         7   121    X    1  -1.160000000000000E+1   -1.160000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0

/ ____________________________________________________________________________
/ BEAM GLOBAL DISTRIBUTED LOADS
/ dS_h
  BmDistLoadG         8    1    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8    2    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8    3    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8    4    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8    5    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8    6    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8    7    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8    8    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8    9    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   10    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   11    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   12    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   13    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   14    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   15    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   16    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   17    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   18    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   19    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
  BmDistLoadG         8   20    X    1   3.344000000000000E+1    3.344000000000000E+1    0.000000000000000E+0    0.000000000000000E+0
0.000000000000000E+0    0.000000000000000E+0    Projected
```

BmDistLoadG 8 51 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 52 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 53 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 54 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 55 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 56 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 57 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 58 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 59 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 60 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 71 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 72 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 73 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 74 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 75 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 76 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 77 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 78 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 79 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 80 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 143 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 144 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 145 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 146 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 147 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 148 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 149 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 150 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 151 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 152 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 153 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 154 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 155 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected

BmDistLoadG 8 156 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 157 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 158 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 159 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 160 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 161 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 8 162 X 1 3.34400000000000E+1 3.34400000000000E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ dS_V
BmDistLoadG 9 1 Y 1 -1.56790126407106E+1 -1.56790126407106E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 2 Y 1 -1.55762331680901E+1 -1.55762331680901E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 3 Y 1 -1.54784352717431E+1 -1.54784352717431E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 4 Y 1 -1.53856873656937E+1 -1.53856873656937E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 5 Y 1 -1.52980543312709E+1 -1.52980543312709E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 6 Y 1 -1.52155974717212E+1 -1.52155974717212E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 7 Y 1 -1.51383744693239E+1 -1.51383744693239E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 8 Y 1 -1.50664393450403E+1 -1.50664393450403E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 9 Y 1 -1.49998424207230E+1 -1.49998424207230E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 10 Y 1 -1.49386302839139E+1 -1.49386302839139E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 11 Y 1 -1.48828457552540E+1 -1.48828457552540E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 12 Y 1 -1.48325278585284E+1 -1.48325278585284E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 13 Y 1 -1.47877117933676E+1 -1.47877117933676E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 14 Y 1 -1.47484289106233E+1 -1.47484289106233E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 15 Y 1 -1.47147066904379E+1 -1.47147066904379E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 16 Y 1 -1.46865687230200E+1 -1.46865687230200E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 17 Y 1 -1.46640346921424E+1 -1.46640346921424E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 18 Y 1 -1.46471203613728E+1 -1.46471203613728E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 19 Y 1 -1.46358375630456E+1 -1.46358375630456E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 20 Y 1 -1.46301941899855E+1 -1.46301941899855E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 21 Y 1 -1.46301941899855E+1 -1.46301941899855E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 22 Y 1 -1.46358375630456E+1 -1.46358375630456E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 23 Y 1 -1.46471203613728E+1 -1.46471203613728E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 24 Y 1 -1.46640346921424E+1 -1.46640346921424E+1 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 Projected

BmDistLoadG 9 25 Y 1 -1.46865687230200E+1 -1.46865687230200E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 26 Y 1 -1.47147066904379E+1 -1.47147066904379E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 27 Y 1 -1.47484289106233E+1 -1.47484289106233E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 28 Y 1 -1.47877117933676E+1 -1.47877117933676E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 29 Y 1 -1.48325278585284E+1 -1.48325278585284E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 30 Y 1 -1.48828457552540E+1 -1.48828457552540E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 31 Y 1 -1.49386302839139E+1 -1.49386302839139E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 32 Y 1 -1.49998424207230E+1 -1.49998424207230E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 33 Y 1 -1.50664393450403E+1 -1.50664393450403E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 34 Y 1 -1.51383744693239E+1 -1.51383744693239E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 35 Y 1 -1.52155974717212E+1 -1.52155974717212E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 36 Y 1 -1.52980543312709E+1 -1.52980543312709E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 37 Y 1 -1.53856873656937E+1 -1.53856873656937E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 38 Y 1 -1.54784352717431E+1 -1.54784352717431E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 39 Y 1 -1.55762331680901E+1 -1.55762331680901E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 40 Y 1 -1.56790126407106E+1 -1.56790126407106E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 41 Y 1 -1.58608741500000E+1 -1.58608741500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 42 Y 1 -1.61193444500000E+1 -1.61193444500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 43 Y 1 -1.63778147500000E+1 -1.63778147500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 44 Y 1 -1.66362850500000E+1 -1.66362850500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 45 Y 1 -1.68947553500000E+1 -1.68947553500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 46 Y 1 -1.71532256500000E+1 -1.71532256500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 47 Y 1 -1.74116959500000E+1 -1.74116959500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 48 Y 1 -1.76701662500000E+1 -1.76701662500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 49 Y 1 -1.79286365500000E+1 -1.79286365500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 50 Y 1 -1.81871068500000E+1 -1.81871068500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 51 Y 1 -1.58608741500000E+1 -1.58608741500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 52 Y 1 -1.61193444500000E+1 -1.61193444500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 53 Y 1 -1.63778147500000E+1 -1.63778147500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 54 Y 1 -1.66362850500000E+1 -1.66362850500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 55 Y 1 -1.68947553500000E+1 -1.68947553500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 56 Y 1 -1.71532256500000E+1 -1.71532256500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 57 Y 1 -1.74116959500000E+1 -1.74116959500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected

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  BmDistLoadG          9    58    Y    1   -1.76701662500000E+1    -1.76701662500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    59    Y    1   -1.79286365500000E+1    -1.79286365500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    60    Y    1   -1.81871068500000E+1    -1.81871068500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected

/ _____
/ BEAM PROPERTIES

  BeamProp             1   16737843   "Beam Property 1"
   MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
   Modulus           2.74600000000000E+4
   ShearMod          1.14420000000000E+4
   Poisson           2.00000000000000E-1
   UsePoisson        TRUE
   Density           2.40000000000000E+3
   Expansion         1.00000000000000E-5
   ThermalCond       1.37000000000000E+0
   SpecificHeat      8.80000000000000E+2
   InstantAlpha      FALSE
   Area              8.00000000000000E-1
   MomentI11         4.26666666670000E-2
   MomentI22         6.66666666670000E-2
   MomentJ           9.03304533330000E-2
   SectionType       SolidRect
    B                1.00000000000000E+0
    D                8.00000000000000E-1
    CT               FALSE
   TimeDependentMod   Elastic
   UseMomCurv        FALSE
   NonLinType        Elasticplastic
   Hardening         Isotropic

  BeamProp             2    3355647   "Beam Property 2"
   MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
   Modulus           2.74600000000000E+4
   ShearMod          1.14420000000000E+4
   Poisson           2.00000000000000E-1
   UsePoisson        TRUE
   Density           2.40000000000000E+3
   Expansion         1.00000000000000E-5
   ThermalCond       1.37000000000000E+0
   SpecificHeat      8.80000000000000E+2
   InstantAlpha      FALSE
   Area              8.67000000000000E-1
   MomentI11         5.43095302500000E-2
   MomentI22         7.22500000000000E-2
   MomentJ           1.07071853237000E-1
   SectionType       SolidRect
    B                1.00000000000000E+0
    D                8.67000000000000E-1
    CT               FALSE
   TimeDependentMod   Elastic
   UseMomCurv        FALSE
   NonLinType        Elasticplastic
   Hardening         Isotropic

  BeamProp             3    3407692   "Beam Property 3"
   MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
   Modulus           2.74600000000000E+4
   ShearMod          1.14420000000000E+4
   Poisson           2.00000000000000E-1
   UsePoisson        TRUE
   Density           2.40000000000000E+3
   Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               9.34000000000000E-1
  MomentI11          6.78983753330000E-2
  MomentI22          7.78333333330000E-2
  MomentJ            1.24102616742000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 9.34000000000000E-1
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             4    3407846   "Beam Property 4"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.00100000000000E+0
  MomentI11          8.35835834170000E-2
  MomentI22          8.34166666670000E-2
  MomentJ            1.40982683983000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.00100000000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             5    16757299   "Beam Property 5"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.06800000000000E+0
  MomentI11          1.01515536000000E-1
  MomentI22          8.90000000000000E-2
  MomentJ            1.62229712859000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.06800000000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             6    16724966   "Beam Property 6"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             1.135000000000000E+0
  MomentI11        1.218446145830000E-1
  MomentI22        9.458333333300000E-2
  MomentJ          1.836049926580000E-1
  SectionType      SolidRect
   B               1.000000000000000E+0
   D               1.135000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp             7    6750003   "Beam Property 7"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             1.202000000000000E+0
  MomentI11        1.447212006670000E-1
  MomentI22        1.001666666670000E-1
  MomentJ          2.050870770940000E-1
  SectionType      SolidRect
   B               1.000000000000000E+0
   D               1.202000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp             8    3375359   "Beam Property 8"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             1.269000000000000E+0
  MomentI11        1.702956757500000E-1
  MomentI22        1.057500000000000E-1
  MomentJ          2.266590491200000E-1
  SectionType      SolidRect
   B               1.000000000000000E+0
   D               1.269000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              9    16724812   "Beam Property 9"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.33600000000000E+0
  MomentI11         1.98718421333000E-1
  MomentI22         1.11333333333000E-1
  MomentJ           2.48307385230000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.33600000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp             10    8401919   "Beam Property 10"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.40300000000000E+0
  MomentI11         2.30139818917000E-1
  MomentI22         1.16916666667000E-1
  MomentJ           2.70021145165000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.40300000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp             11    11730739   "Beam Property 11"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.47000000000000E+0
  MomentI11         2.64710250000000E-1
  MomentI22         1.22500000000000E-1
```

```
  MomentJ          2.91791383220000E-1
  SectionType      SolidRect
    B              1.00000000000000E+0
    D              1.47000000000000E+0
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           12    3394815   "Beam Property 12"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             6.00000000000000E-1
  MomentI11        1.80000000000000E-2
  MomentI22        5.00000000000000E-2
  MomentJ          4.61318400000000E-2
  SectionType      SolidRect
    B              1.00000000000000E+0
    D              6.00000000000000E-1
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           13    16724889   "Beam Property 13"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             6.83300000000000E-1
  MomentI11        2.65860009610000E-2
  MomentI22        5.69416666670000E-2
  MomentJ          6.31470420770000E-2
  SectionType      SolidRect
    B              1.00000000000000E+0
    D              6.83300000000000E-1
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           14    13382655   "Beam Property 14"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
```

```
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               7.66670000000000E-1
 MomentI11          3.75529589530000E-2
 MomentI22          6.38891666670000E-2
 MomentJ            8.22503849030000E-2
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 7.66670000000000E-1
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            15    16777011   "Beam Property 15"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               8.50000000000000E-1
 MomentI11          5.11770833330000E-2
 MomentI22          7.08333333330000E-2
 MomentJ            1.02777912917000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 8.50000000000000E-1
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            16    3407769   "Beam Property 16"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               9.33330000000000E-1
 MomentI11          6.77523604960000E-2
 MomentI22          7.77775000000000E-2
 MomentJ            1.23932497010000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 9.33330000000000E-1
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            17    15096878   "Beam Property 17"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.01667000000000E+0
  MomentI11        8.75706915920000E-2
  MomentI22        8.47225000000000E-2
  MomentJ          1.45939124429000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.01667000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           18    3026662   "Beam Property 18"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.10000000000000E+0
  MomentI11        1.10916666667000E-1
  MomentI22        9.16666666670000E-2
  MomentJ          1.72424242424000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.10000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           19    3073605   "Beam Property 19"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.18333000000000E+0
  MomentI11        1.38081780636000E-1
  MomentI22        9.86108333330000E-2
  MomentJ          1.99091261919000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.18333000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              20    3073743   "Beam Property 20"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.26667000000000E+0
  MomentI11         1.69359361732000E-1
  MomentI22         1.05555833333000E-1
  MomentJ           2.25907507849000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.26667000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              21    15114542   "Beam Property 21"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.35000000000000E+0
  MomentI11         2.05031250000000E-1
  MomentI22         1.12500000000000E-1
  MomentJ           2.52839506173000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.35000000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              22    15085263   "Beam Property 22"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.43333000000000E+0
  MomentI11         2.45390263276000E-1
  MomentI22         1.19444166667000E-1
```

```
 MomentJ           2.79869718046000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.43333000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             23    6088238   "Beam Property 23"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.51667000000000E+0
 MomentI11         2.90731469371000E-1
 MomentI22         1.26389166667000E-1
 MomentJ           3.06985212978000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.51667000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             24    3044326   "Beam Property 24"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.60000000000000E+0
 MomentI11         3.41333333333000E-1
 MomentI22         1.33333333333000E-1
 MomentJ           3.34166666667000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.60000000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             25   15085125   "Beam Property 25"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
```

```
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.68330000000000E+0
 MomentI11          3.97469056795000E-1
 MomentI22          1.40275000000000E-1
 MomentJ            3.61397233609000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.68330000000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            26    7548646   "Beam Property 26"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.76666700000000E+0
 MomentI11          4.59497173673000E-1
 MomentI22          1.47222250000000E-1
 MomentJ            3.88700318904000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.76666700000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            27    10610222   "Beam Property 27"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.54000000000000E+0
 MomentI11          3.04355333333000E-1
 MomentI22          1.28333333333000E-1
 MomentJ            3.14588744589000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.54000000000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            28    3061990   "Beam Property 28"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.41000000000000E+0
  MomentI11        2.33601750000000E-1
  MomentI22        1.17500000000000E-1
  MomentJ          2.72293144208000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.41000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           29   15085194  "Beam Property 29"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.33000000000000E+0
  MomentI11        1.96053083333000E-1
  MomentI22        1.10833333333000E-1
  MomentJ          2.46365914787000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.33000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           30   12070630  "Beam Property 30"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.20000000000000E+0
  MomentI11        1.44000000000000E-1
  MomentI22        1.00000000000000E-1
  MomentJ          2.04444444444000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.20000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              31    15132206   "Beam Property 31"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.07000000000000E+0
  MomentI11          1.02086916667000E-1
  MomentI22          8.91666666670000E-2
  MomentJ            1.62866043614000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.07000000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp              32     3073674   "Beam Property 32"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.00000000000000E+0
  MomentI11          8.33333333330000E-2
  MomentI22          8.33333333330000E-2
  MomentJ            1.40666666667000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.00000000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp              33    13390377   "Beam Property 33"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               8.38947000000000E-1
  MomentI11          4.92064835530000E-2
  MomentI22          6.99122500000000E-2
```

```
 MomentJ           9.99999072150000E-2
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              8.38947000000000E-1
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp            34    2697676   "Beam Property 34"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              8.77895000000000E-1
 MomentI11         5.63827793820000E-2
 MomentI22         7.31579166670000E-2
 MomentJ           1.09834225012000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              8.77895000000000E-1
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp            35    2739261   "Beam Property 35"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              9.16842000000000E-1
 MomentI11         6.42247250240000E-2
 MomentI22         7.64035000000000E-2
 MomentJ           1.19740757460000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              9.16842000000000E-1
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp            36    2739384   "Beam Property 36"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               9.55789000000000E-1
  MomentI11          7.27620351820000E-2
  MomentI22          7.96490833330000E-2
  MomentJ            1.29620217916000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 9.55789000000000E-1
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             37    13405993   "Beam Property 37"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               9.94737000000000E-1
  MomentI11          8.20244959770000E-2
  MomentI22          8.28947500000000E-2
  MomentJ            1.39366107904000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 9.94737000000000E-1
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             38    13380024   "Beam Property 38"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.03368400000000E+0
  MomentI11          9.20411711530000E-2
  MomentI22          8.61403333330000E-2
  MomentJ            1.51329836409000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.03368400000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             39    5426217   "Beam Property 39"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             1.07263200000000E+0
 MomentI11        1.02842115472000E-1
 MomentI22        8.93860000000000E-2
 MomentJ          1.63703627284000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               1.07263200000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            40    2713292   "Beam Property 40"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             1.11157900000000E+0
 MomentI11        1.14456313677000E-1
 MomentI22        9.26315833330000E-2
 MomentJ          1.76119766938000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               1.11157900000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            41    13379901   "Beam Property 41"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             1.15052600000000E+0
 MomentI11        1.26913571640000E-1
 MomentI22        9.58771666670000E-2
 MomentJ          1.88574239573000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               1.15052600000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              42     6695372   "Beam Property 42"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.18947400000000E+0
  MomentI11          1.40243781816000E-1
  MomentI22          9.91228333330000E-2
  MomentJ            2.01063600851000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.18947400000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp              43     9423913   "Beam Property 43"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.22842100000000E+0
  MomentI11          1.54475799069000E-1
  MomentI22          1.02368416667000E-1
  MomentJ            2.13583921484000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.22842100000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp              44     2728908   "Beam Property 44"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.26736800000000E+0
  MomentI11          1.69639493071000E-1
  MomentI22          1.05614000000000E-1
```

```
  MomentJ           2.26132637988000E-1
  SectionType       SolidRect
   B              1.00000000000000E+0
   D              1.26736800000000E+0
   CT             FALSE
  TimeDependentMod   Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp             45    13379962   "Beam Property 45"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.30631600000000E+0
  MomentI11         1.85764829183000E-1
  MomentI22         1.08859666667000E-1
  MomentJ           2.38707533720000E-1
  SectionType       SolidRect
   B              1.00000000000000E+0
   D              1.30631600000000E+0
   CT             FALSE
  TimeDependentMod   Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp             46    10693068   "Beam Property 46"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.34526300000000E+0
  MomentI11         2.02880518737000E-1
  MomentI22         1.12105250000000E-1
  MomentJ           2.51305717214000E-1
  SectionType       SolidRect
   B              1.00000000000000E+0
   D              1.34526300000000E+0
   CT             FALSE
  TimeDependentMod   Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp             47    13421609   "Beam Property 47"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.38421100000000E+0
  MomentI11          2.21016981042000E-1
  MomentI22          1.15350916667000E-1
  MomentJ            2.63925842356000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.38421100000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             48    2739322   "Beam Property 48"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.42315800000000E+0
  MomentI11          2.40202824160000E-1
  MomentI22          1.18596500000000E-1
  MomentJ            2.76565486279000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.42315800000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             49    11683620   "Beam Property 49"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.46210500000000E+0
  MomentI11          2.60468039268000E-1
  MomentI22          1.21842083333000E-1
  MomentJ            2.89223387063000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.46210500000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             50    2368690   "Beam Property 50"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
    Modulus            2.74600000000000E+4
    ShearMod           1.14420000000000E+4
    Poisson            2.00000000000000E-1
    UsePoisson         TRUE
    Density            2.40000000000000E+3
    Expansion          1.00000000000000E-5
    ThermalCond        1.37000000000000E+0
    SpecificHeat       8.80000000000000E+2
    InstantAlpha       FALSE
    Area               1.50105300000000E+0
    MomentI11          2.81842728401000E-1
    MomentI22          1.25087750000000E-1
    MomentJ            3.01898449246000E-1
    SectionType        SolidRect
     B                 1.00000000000000E+0
     D                 1.50105300000000E+0
     CT                FALSE
    TimeDependentMod   Elastic
    UseMomCurv         FALSE
    NonLinType         Elasticplastic
    Hardening          Isotropic


/ _____________________________________________________________________________
/ LINEAR STATIC SOLVER DATA

  LoadFreedomSetLSA       1   ON
    1     2     3     4     5     6     7     8
    9


/ _____________________________________________________________________________
/ LINEAR BUCKLING SOLVER DATA

  BuckNumModes           4

  BuckShift              0.00000000000000E+0


/ _____________________________________________________________________________
/ LOAD INFLUENCE SOLVER DATA

  LoadFreedomSetLIA       1   ON
    1


/ _____________________________________________________________________________
/ NON-LINEAR STATIC SOLVER DATA

  NonLinearIncrement      0   Yes  "SLE_C"
    LON1    1.00000000000000E+0
    LON2    1.00000000000000E+0
    LON3    1.00000000000000E+0
    LON4    1.00000000000000E+0
    LON5    1.00000000000000E+0
    LON6    1.00000000000000E+0
    LON7    1.00000000000000E+0
    FON1    1.00000000000000E+0

  NonLinearStage      Unstaged


/ _____________________________________________________________________________
/ NATURAL FREQUENCY SOLVER DATA

  FreqNumModes           4
```

FreqShift 0.00000000000000E+0

FreqIncludeNSMass 1 2 3 4 5 6 7 8
9

FreqModeParticipation FALSE
0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

/ _____
/ HEAT SOLVER DATA

LoadSetHeat 1 2 3 4 5 6 7 8
9

HeatTempLoadCase 1

HeatNonlinear FALSE

/ _____
/ GENERAL SOLVER DATA

SolverTempDependence None

SolverLoadCaseTempDependence 0

SolverActiveStage 0

SturmCheck FALSE

SolverFreedomCase 1

ModalLoadType BaseAcceleration

ModalNodeReactType Element

DampingType Rayleigh

RayleighFactors Frequency
1.00000000000000E+0 1.00000000000000E+1 1.00000000000000E+0 1.00000000000000E+1 1.00000000000000E-2
1.00000000000000E-2

NonLinearGeometry TRUE

NonLinearMaterial TRUE

IncludeCreep FALSE

SolverDefaultsGeneral
SolDefMatrixZeroDiag 1.00000000000000E-20
SolDefConjGradTol 1.00000000000000E-5
SolDefMaxConjGradIter 5000
SolDefMaxNumWarnings 10
SolDefWindowState 3
SolDefReducedLogFile TRUE
SolDefDoResidualsCheck FALSE
SolDefSuppressAllSingularities FALSE

SolverDefaultsElements
SolDefMinDimension 1.00000000000000E-9
SolDefMinInternalAngle 1.50000000000000E+1

SolDefZeroPointForce 1.00000000000000E-6
SolDefZeroDiagonal 1.00000000000000E-20
SolDefBeamMass Lumped
SolDefPlateMass Lumped
SolDefBrickMass Lumped
SolDefBeamLoads Consistent
SolDefPlateLoads Consistent
SolDefBeamSlices 5
SolDefIncludeLinkReactions TRUE

SolverDefaultsDrilling
SolDefZeroTrans 1.00000000000000E-8
SolDefZeroRot 1.00000000000000E-6
SolDrillStiffMult 1.00000000000000E-4
SolDrillZeroEig 1.00000000000000E-6
SolDefMaxNormalsAngle 5.00000000000000E+0
SolDefForceDrillingCheck FALSE

SolverDefaultsIteration
SolDefZeroDisp 1.00000000000000E-8
SolDefDispNormTol 1.00000000000000E-4
SolDefResidualsNormTol 1.00000000000000E-3
SolDefNonlinIterLimit 20
SolDefAddIterations TRUE
SolDefMaxUpdateInterval 5
SolDefMaxDispChange 1.00000000000000E+0
SolDefMaxResidualChange 1.00000000000000E-1
SolDefFormStiffnessMatrix 0
SolDefFormHeatStiffnessMatrix 2
SolDefHeatConvergenceTol 1.00000000000000E-5
SolDefHeatRelaxationFactor 6.66670000000000E-1
SolDefNonlinHeatIterLimit 20

SolverDefaultsSubSteps
SolDefSubStepping 0
SolDefMinLoadReductionFactor 1.00000000000000E-1
SolDefMaxRot 3.00000000000000E+1
SolDefMaxDispRatio 1.00000000000000E-1
SolDefMinArcLength 1.00000000000000E-3
SolDefMaxFibreInc 1.00000000000000E-2
SolDefSaveSubIncrements FALSE
SolDefDynamicAutoSteppingMode 0
SolDefMinTimeStep 1.00000000000000E-3
SolDefConsiderTableSteps FALSE
SolDefSingleShotRestart FALSE
SolDefAutoAssignPathDiv FALSE

SolverDefaultsNonlinear
SolDefIncludeKG TRUE
SolDefAutoScaleKg TRUE
SolDefIgnoreCompressiveBeamKg FALSE
SolDefBeamKgType Simplified
SolDefFiniteStrainDefinition Nominal
SolDefBeamLength Initial
SolDefRatioMNL 5.00000000000000E-1
SolDefZeroContactFactor 1.00000000000000E-6
SolDefSlidingFriction 1.00000000000000E-15
SolDefStickingFriction 1.00000000000000E+0
SolDefFrictionCutoffStrain 1.00000000000000E-5
SolDefScaleSupports TRUE

SolverDefaultsCreep
SolDefTimeStepParam 5.00000000000000E-1
SolDefMinViscoUnits 3
SolDefMaxViscoUnits 6
SolDefCurveFitTime 1.00000000000000E+4

```
    SolDefCurveFitTimeUnit   d
    SolDefSpacingBias      5.000000000000000E-1
    SolDefDoInstantNTA  TRUE

  SolverDefaultsEigenvalue
    SolDefZeroFreq        1.000000000000000E-6
    SolDefZeroBuckEigenvalue     1.000000000000000E-10
    SolDefExpandWorkingSetBy      6
    SolDefEigIterLimit      20
    SolDefEigIterTol      1.000000000000000E-5
    SolDefEigAutoShift  FALSE

  SolverDefaultsDynamics
    SolDefWilsonTheta      1.370000000000000E+0
    SolDefNewmarkBeta      5.000000000000000E-1
    SolDefTransientMethod   Newmark
    SolDefExcludeMassComponents
    SolDefIncludeRotMass   TRUE



/ _____________________________________________________________________________
/ RESULT OPTIONS

  ResultOptions
    ResOptsRotationUnit   Degrees
    ResOptsHRADisplacement   Total
    ResOptsHRAVelocity   Total
    ResOptsHRAAcceleration   Relative
    ResOptsBeamForceMoment   Principal
    ResOptsStageDisplacement   BirthStage

/ _____________________________________________________________________________
/ Straus7 MODEL EXCHANGE FILE
/ TIMESTAMP: 6:17:51 pm, 05 giugno 2019

/ _____________________________________________________________________________
/ MODEL INFORMATION

  FileFormat         Straus7.2.4.6
  ModelName           "GA_open_SLE_F"
  Title              ""
  Project            ""
  Author             ""
  Reference          ""
  Comments           ""

/ _____________________________________________________________________________
/ UNITS

  LengthUnit         m
  MassUnit           kg
  EnergyUnit         J
  PressureUnit       MPa
  ForceUnit          kN
  TemperatureUnit     C

/ _____________________________________________________________________________
/ GROUP DEFINITIONS

  Group              1   16711680   "\\Model"
  Group              2    3355647   "calotta"
  Group              3   16757299   "calotta\curvilinea"
  Group              4    6750003   "calotta\rettilinea"
  Group              5    3407692   "piedritto"
  Group              6    3375359   "piedritto\piedritto_alto"
```

```
  Group              7   16724812   "piedritto\piedritto_basso"
  Group              8    3407846   "arco rovescio"

/ ____________________________________________________________________________
/ FREEDOM CASE DEFINITIONS

  FreedomCase        1      0      1   "Freedom Case 1"


/ ____________________________________________________________________________
/ LOAD CASE DEFINITIONS

  LoadCase           1      1   "PP"
    Gravity          2    -9.80665000000000E+0
    LCInclude        3

  LoadCase           2      0   "P_cop"
    LCInclude        3

  LoadCase           3      0   "SP_sx"
    LCInclude        3

  LoadCase           4      0   "SP_dx"
    LCInclude        3

  LoadCase           5      0   "V"
    LCInclude        3

  LoadCase           6      0   "SV_sx"
    LCInclude        3

  LoadCase           7      0   "SV_dx"
    LCInclude        3

  LoadCase           8      0   "dS_h"
    LCInclude        3

  LoadCase           9      0   "dS_V"
    LCInclude        3


/ ____________________________________________________________________________
/ INCREMENT ENVELOPES

  IncrementEnvelope    "Envelope Case"  Abs
  ON                 1
  ON                 2
  ON                 3
  ON                 4
  ON                 5
  ON                 6
  ON                 7
  ON                 8
  ON                 9
  ON                10
  ON                11
  ON                12
  ON                13
  ON                14
  ON                15
  ON                16


/ ____________________________________________________________________________
/ COORDINATE SYSTEM DEFINITIONS
```

CoordSys 1 "Global XYZ" GlobalXYZ

CoordSys 2 "carichi" RectXYZ
0.00000000000000E+0 1.08600000000000E+1 0.00000000000000E+0

/ _____
/ NODE COORDINATES

Node	1	0	-1.94830000000000E+0	3.33290000000000E+0	0.00000000000000E+0
Node	2	0	-1.85947466801228E+0	3.38326015242999E+0	0.00000000000000E+0
Node	3	0	-1.76934854991663E+0	3.43125356231625E+0	0.00000000000000E+0
Node	4	0	-1.67798469298355E+0	3.47684665611138E+0	0.00000000000000E+0
Node	5	0	-1.58544701033748E+0	3.52000753939703E+0	0.00000000000000E+0
Node	6	0	-1.49180023624673E+0	3.56070601919538E+0	0.00000000000000E+0
Node	7	0	-1.39710988083890E+0	3.59891362509054E+0	0.00000000000000E+0
Node	8	0	-1.30144218427364E+0	3.63460362914487E+0	0.00000000000000E+0
Node	9	0	-1.20486407040466E+0	3.66775106459638E+0	0.00000000000000E+0
Node	10	0	-1.10744309996351E+0	3.69833274332411E+0	0.00000000000000E+0
Node	11	0	-1.00924742329778E+0	3.72632727206921E+0	0.00000000000000E+0
Node	12	0	-9.10345732696894E-1	3.75171506740058E+0	0.00000000000000E+0
Node	13	0	-8.10807214338750E-1	3.77447836941427E+0	0.00000000000000E+0
Node	14	0	-7.10701499890891E-1	3.79460125415739E+0	0.00000000000000E+0
Node	15	0	-6.10098617800016E-1	3.81206964476759E+0	0.00000000000000E+0
Node	16	0	-5.09068944303938E-1	3.82687132132050E+0	0.00000000000000E+0
Node	17	0	-4.07683154200238E-1	3.83899592937806E+0	0.00000000000000E+0
Node	18	0	-3.06012171406074E-1	3.84843498723200E+0	0.00000000000000E+0
Node	19	0	-2.04127119343708E-1	3.85518189183707E+0	0.00000000000000E+0
Node	20	0	-1.02099271186475E-1	3.85923192343026E+0	0.00000000000000E+0
Node	21	0	-3.80446542325164E-16	3.86058224883242E+0	0.00000000000000E+0
Node	22	0	1.02099271186474E-1	3.85923192343026E+0	0.00000000000000E+0
Node	23	0	2.04127119343707E-1	3.85518189183707E+0	0.00000000000000E+0
Node	24	0	3.06012171406073E-1	3.84843498723200E+0	0.00000000000000E+0
Node	25	0	4.07683154200237E-1	3.83899592937806E+0	0.00000000000000E+0
Node	26	0	5.09068944303936E-1	3.82687132132050E+0	0.00000000000000E+0
Node	27	0	6.10098617800015E-1	3.81206964476759E+0	0.00000000000000E+0
Node	28	0	7.10701499890890E-1	3.79460125415739E+0	0.00000000000000E+0
Node	29	0	8.10807214338749E-1	3.77447836941427E+0	0.00000000000000E+0
Node	30	0	9.10345732696893E-1	3.75171506740058E+0	0.00000000000000E+0
Node	31	0	1.00924742329778E+0	3.72632727206921E+0	0.00000000000000E+0
Node	32	0	1.10744309996351E+0	3.69833274332411E+0	0.00000000000000E+0
Node	33	0	1.20486407040466E+0	3.66775106459638E+0	0.00000000000000E+0
Node	34	0	1.30144218427364E+0	3.63460362914487E+0	0.00000000000000E+0
Node	35	0	1.39710988083890E+0	3.59891362509054E+0	0.00000000000000E+0
Node	36	0	1.49180023624673E+0	3.56070601919538E+0	0.00000000000000E+0
Node	37	0	1.58544701033748E+0	3.52000753939703E+0	0.00000000000000E+0
Node	38	0	1.67798469298354E+0	3.47684665611138E+0	0.00000000000000E+0
Node	39	0	1.76934854991663E+0	3.43125356231625E+0	0.00000000000000E+0
Node	40	0	1.85947466801228E+0	3.38326015242999E+0	0.00000000000000E+0
Node	41	0	1.94830000000000E+0	3.33290000000000E+0	0.00000000000000E+0
Node	42	0	2.11546000000000E+0	3.20923000000000E+0	0.00000000000000E+0
Node	43	0	2.28262000000000E+0	3.08556000000000E+0	0.00000000000000E+0
Node	44	0	2.44978000000000E+0	2.96189000000000E+0	0.00000000000000E+0
Node	45	0	2.61694000000000E+0	2.83822000000000E+0	0.00000000000000E+0
Node	46	0	2.78410000000000E+0	2.71455000000000E+0	0.00000000000000E+0
Node	47	0	2.95126000000000E+0	2.59088000000000E+0	0.00000000000000E+0
Node	48	0	3.11842000000000E+0	2.46721000000000E+0	0.00000000000000E+0
Node	49	0	3.28558000000000E+0	2.34354000000000E+0	0.00000000000000E+0
Node	50	0	3.45274000000000E+0	2.21987000000000E+0	0.00000000000000E+0
Node	51	0	3.61990000000000E+0	2.09620000000000E+0	0.00000000000000E+0
Node	52	0	0.00000000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	53	0	-2.11546000000000E+0	3.20923000000000E+0	0.00000000000000E+0
Node	54	0	-2.28262000000000E+0	3.08556000000000E+0	0.00000000000000E+0
Node	55	0	-2.44978000000000E+0	2.96189000000000E+0	0.00000000000000E+0
Node	56	0	-2.61694000000000E+0	2.83822000000000E+0	0.00000000000000E+0
Node	57	0	-2.78410000000000E+0	2.71455000000000E+0	0.00000000000000E+0

Node	58	0	-2.95126000000000E+0	2.59088000000000E+0	0.00000000000000E+0
Node	59	0	-3.11842000000000E+0	2.46721000000000E+0	0.00000000000000E+0
Node	60	0	-3.28558000000000E+0	2.34354000000000E+0	0.00000000000000E+0
Node	61	0	-3.45274000000000E+0	2.21987000000000E+0	0.00000000000000E+0
Node	62	0	-3.61990000000000E+0	2.09620000000000E+0	0.00000000000000E+0
Node	63	0	3.66914272971283E+0	1.89024296185021E+0	0.00000000000000E+0
Node	64	0	3.71328302196233E+0	1.68313240539995E+0	0.00000000000000E+0
Node	65	0	3.75229394019274E+0	1.47499471959599E+0	0.00000000000000E+0
Node	66	0	3.78615167804214E+0	1.26595692018946E+0	0.00000000000000E+0
Node	67	0	3.81483557387019E+0	1.05614657222461E+0	0.00000000000000E+0
Node	68	0	3.83832812336690E+0	8.45691712192458E-1	0.00000000000000E+0
Node	69	0	3.85661499023460E+0	6.34720769896678E-1	0.00000000000000E+0
Node	70	0	3.86968501493665E+0	4.23362490079458E-1	0.00000000000000E+0
Node	71	0	3.87753022150753E+0	2.11745853855208E-1	0.00000000000000E+0
Node	72	0	3.88015000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	73	0	-3.66914272971283E+0	1.89024296185021E+0	0.00000000000000E+0
Node	74	0	-3.71328302196233E+0	1.68313240539995E+0	0.00000000000000E+0
Node	75	0	-3.75229394019274E+0	1.47499471959599E+0	0.00000000000000E+0
Node	76	0	-3.78615167804214E+0	1.26595692018946E+0	0.00000000000000E+0
Node	77	0	-3.81483557387019E+0	1.05614657222461E+0	0.00000000000000E+0
Node	78	0	-3.83832812336690E+0	8.45691712192458E-1	0.00000000000000E+0
Node	79	0	-3.85661499023460E+0	6.34720769896678E-1	0.00000000000000E+0
Node	80	0	-3.86968501493665E+0	4.23362490079458E-1	0.00000000000000E+0
Node	81	0	-3.87753022150753E+0	2.11745853855208E-1	0.00000000000000E+0
Node	82	0	-3.88015000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	83	0	-3.49550000000000E+0	-3.56270000000000E+0	0.00000000000000E+0
Node	84	0	-3.33230782624253E+0	-3.60057547048123E+0	0.00000000000000E+0
Node	85	0	-3.16879248559635E+0	-3.63703051420949E+0	0.00000000000000E+0
Node	86	0	-3.00496634122818E+0	-3.67206237486980E+0	0.00000000000000E+0
Node	87	0	-2.84084177980416E+0	-3.70566840375206E+0	0.00000000000000E+0
Node	88	0	-2.67643121055332E+0	-3.73784605995134E+0	0.00000000000000E+0
Node	89	0	-2.51174706432936E+0	-3.76859291055994E+0	0.00000000000000E+0
Node	90	0	-2.34680179267073E+0	-3.79790663085141E+0	0.00000000000000E+0
Node	91	0	-2.18160786685924E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	92	0	-2.01617777697708E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	93	0	-1.85052403096246E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	94	0	-1.68465915366393E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	95	0	-1.51859568589340E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	96	0	-1.35234618347790E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	97	0	-1.18592321631029E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	98	0	-1.01933936739887E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	99	0	-8.52607231915959E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	100	0	-6.85739416245641E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	101	0	-5.18748537030578E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	102	0	-3.51647220218097E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	103	0	-1.84448100105556E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	104	0	-1.71638183850854E-2	-3.79790000000000E+0	0.00000000000000E+0
Node	105	0	3.49550000000000E+0	-3.56270000000000E+0	0.00000000000000E+0
Node	106	0	3.53876190604596E+0	-3.38827494401322E+0	0.00000000000000E+0
Node	107	0	3.57939848608508E+0	-3.21321963551490E+0	0.00000000000000E+0
Node	108	0	3.61740056791651E+0	-3.03757358674864E+0	0.00000000000000E+0
Node	109	0	3.65275957397965E+0	-2.86137644329578E+0	0.00000000000000E+0
Node	110	0	3.68546752329024E+0	-2.68466797512683E+0	0.00000000000000E+0
Node	111	0	3.71551703324176E+0	-2.50748806762490E+0	0.00000000000000E+0
Node	112	0	3.74290132127180E+0	-2.32987671258303E+0	0.00000000000000E+0
Node	113	0	3.76761420639292E+0	-2.15187399917756E+0	0.00000000000000E+0
Node	114	0	3.78965011058784E+0	-1.97352010491945E+0	0.00000000000000E+0
Node	115	0	3.81400406006844E+0	-1.79485528658573E+0	0.00000000000000E+0
Node	116	0	3.83567168639838E+0	-1.61591987113298E+0	0.00000000000000E+0
Node	117	0	3.84464922747919E+0	-1.43675424659509E+0	0.00000000000000E+0
Node	118	0	3.85593352839935E+0	-1.25739885296706E+0	0.00000000000000E+0
Node	119	0	3.86452204214643E+0	-1.07789417307727E+0	0.00000000000000E+0
Node	120	0	3.87541283018197E+0	-8.98280723449910E-1	0.00000000000000E+0
Node	121	0	3.87860456287904E+0	-7.18599045159911E-1	0.00000000000000E+0
Node	122	0	3.87909651982237E+0	-5.38889694682297E-1	0.00000000000000E+0
Node	123	0	3.87688858997090E+0	-3.59193234738058E-1	0.00000000000000E+0

Node	124	0	3.88198127168293E+0	-1.79550225138629E-1	0.00000000000000E+0
Node	125	0	3.33230782624253E+0	-3.60057547048123E+0	0.00000000000000E+0
Node	126	0	3.16879248559635E+0	-3.63703051420949E+0	0.00000000000000E+0
Node	127	0	3.00496634122818E+0	-3.67206237486980E+0	0.00000000000000E+0
Node	128	0	2.84084177980416E+0	-3.70566840375206E+0	0.00000000000000E+0
Node	129	0	2.67643121055332E+0	-3.73784605995134E+0	0.00000000000000E+0
Node	130	0	2.51174706432936E+0	-3.76859291055994E+0	0.00000000000000E+0
Node	131	0	2.34680179267073E+0	-3.79790663085141E+0	0.00000000000000E+0
Node	132	0	2.18160786685924E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	133	0	2.01617777697708E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	134	0	1.85052403096246E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	135	0	1.68465915366393E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	136	0	1.51859568589340E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	137	0	1.35234618347790E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	138	0	1.18592321631029E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	139	0	1.01933936739887E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	140	0	8.52607231915959E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	141	0	6.85739416245641E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	142	0	5.18748537030578E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	143	0	3.51647220218097E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	144	0	1.84448100105556E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	145	0	1.71638183850854E-2	-3.79790000000000E+0	0.00000000000000E+0
Node	146	0	-3.53876190604596E+0	-3.38827494401322E+0	0.00000000000000E+0
Node	147	0	-3.57939848608508E+0	-3.21321963551490E+0	0.00000000000000E+0
Node	148	0	-3.61740056791651E+0	-3.03757358674864E+0	0.00000000000000E+0
Node	149	0	-3.65275957397965E+0	-2.86137644329578E+0	0.00000000000000E+0
Node	150	0	-3.68546752329024E+0	-2.68466797512683E+0	0.00000000000000E+0
Node	151	0	-3.71551703324176E+0	-2.50748806762490E+0	0.00000000000000E+0
Node	152	0	-3.74290132127180E+0	-2.32987671258303E+0	0.00000000000000E+0
Node	153	0	-3.76761420639292E+0	-2.15187399917756E+0	0.00000000000000E+0
Node	154	0	-3.78965011058784E+0	-1.97352010491945E+0	0.00000000000000E+0
Node	155	0	-3.81400406006844E+0	-1.79485528658573E+0	0.00000000000000E+0
Node	156	0	-3.83567168639838E+0	-1.61591987113298E+0	0.00000000000000E+0
Node	157	0	-3.84464922747919E+0	-1.43675424659509E+0	0.00000000000000E+0
Node	158	0	-3.85593352839935E+0	-1.25739885296706E+0	0.00000000000000E+0
Node	159	0	-3.86452204214643E+0	-1.07789417307727E+0	0.00000000000000E+0
Node	160	0	-3.87541283018197E+0	-8.98280723449910E-1	0.00000000000000E+0
Node	161	0	-3.87860456287904E+0	-7.18599045159911E-1	0.00000000000000E+0
Node	162	0	-3.87909651982237E+0	-5.38889694682297E-1	0.00000000000000E+0
Node	163	0	-3.87688858997090E+0	-3.59193234738058E-1	0.00000000000000E+0
Node	164	0	-3.88198127168293E+0	-1.79550225138629E-1	0.00000000000000E+0

/ _____
/ BEAM ELEMENTS

Beam	1	0	3	1	2	1
Beam	2	0	3	1	3	2
Beam	3	0	3	1	4	3
Beam	4	0	3	1	5	4
Beam	5	0	3	1	6	5
Beam	6	0	3	1	7	6
Beam	7	0	3	1	8	7
Beam	8	0	3	1	9	8
Beam	9	0	3	1	10	9
Beam	10	0	3	1	11	10
Beam	11	0	3	1	12	11
Beam	12	0	3	1	13	12
Beam	13	0	3	1	14	13
Beam	14	0	3	1	15	14
Beam	15	0	3	1	16	15
Beam	16	0	3	1	17	16
Beam	17	0	3	1	18	17
Beam	18	0	3	1	19	18
Beam	19	0	3	1	20	19
Beam	20	0	3	1	21	20
Beam	21	0	3	1	22	21

Beam	22	0	3	1	23	22
Beam	23	0	3	1	24	23
Beam	24	0	3	1	25	24
Beam	25	0	3	1	26	25
Beam	26	0	3	1	27	26
Beam	27	0	3	1	28	27
Beam	28	0	3	1	29	28
Beam	29	0	3	1	30	29
Beam	30	0	3	1	31	30
Beam	31	0	3	1	32	31
Beam	32	0	3	1	33	32
Beam	33	0	3	1	34	33
Beam	34	0	3	1	35	34
Beam	35	0	3	1	36	35
Beam	36	0	3	1	37	36
Beam	37	0	3	1	38	37
Beam	38	0	3	1	39	38
Beam	39	0	3	1	40	39
Beam	40	0	3	1	41	40
Beam	41	0	4	2	42	41
Beam	42	0	4	3	43	42
Beam	43	0	4	4	44	43
Beam	44	0	4	5	45	44
Beam	45	0	4	6	46	45
Beam	46	0	4	7	47	46
Beam	47	0	4	8	48	47
Beam	48	0	4	9	49	48
Beam	49	0	4	10	50	49
Beam	50	0	4	11	51	50
Beam	51	0	4	2	1	53
Beam	52	0	4	3	53	54
Beam	53	0	4	4	54	55
Beam	54	0	4	5	55	56
Beam	55	0	4	6	56	57
Beam	56	0	4	7	57	58
Beam	57	0	4	8	58	59
Beam	58	0	4	9	59	60
Beam	59	0	4	10	60	61
Beam	60	0	4	11	61	62
Beam	61	0	6	10	63	51
Beam	62	0	6	9	64	63
Beam	63	0	6	8	65	64
Beam	64	0	6	7	66	65
Beam	65	0	6	6	67	66
Beam	66	0	6	5	68	67
Beam	67	0	6	4	69	68
Beam	68	0	6	3	70	69
Beam	69	0	6	2	71	70
Beam	70	0	6	1	72	71
Beam	71	0	6	10	62	73
Beam	72	0	6	9	73	74
Beam	73	0	6	8	74	75
Beam	74	0	6	7	75	76
Beam	75	0	6	6	76	77
Beam	76	0	6	5	77	78
Beam	77	0	6	4	78	79
Beam	78	0	6	3	79	80
Beam	79	0	6	2	80	81
Beam	80	0	6	1	81	82
Beam	81	0	8	27	83	84
Beam	82	0	8	28	84	85
Beam	83	0	8	29	85	86
Beam	84	0	8	30	86	87
Beam	85	0	8	31	87	88
Beam	86	0	8	32	88	89
Beam	87	0	8	1	89	90

Beam	88	0	8	1	90	91
Beam	89	0	8	1	91	92
Beam	90	0	8	1	92	93
Beam	91	0	8	1	93	94
Beam	92	0	8	1	94	95
Beam	93	0	8	1	95	96
Beam	94	0	8	1	96	97
Beam	95	0	8	1	97	98
Beam	96	0	8	1	98	99
Beam	97	0	8	1	99	100
Beam	98	0	8	1	100	101
Beam	99	0	8	1	101	102
Beam	100	0	8	1	102	103
Beam	101	0	8	1	103	104
Beam	102	0	7	27	105	106
Beam	103	0	7	50	106	107
Beam	104	0	7	49	107	108
Beam	105	0	7	48	108	109
Beam	106	0	7	47	109	110
Beam	107	0	7	46	110	111
Beam	108	0	7	45	111	112
Beam	109	0	7	44	112	113
Beam	110	0	7	43	113	114
Beam	111	0	7	42	114	115
Beam	112	0	7	41	115	116
Beam	113	0	7	40	116	117
Beam	114	0	7	39	117	118
Beam	115	0	7	38	118	119
Beam	116	0	7	37	119	120
Beam	117	0	7	36	120	121
Beam	118	0	7	35	121	122
Beam	119	0	7	34	122	123
Beam	120	0	7	33	123	124
Beam	121	0	7	1	124	72
Beam	122	0	8	27	125	105
Beam	123	0	8	28	126	125
Beam	124	0	8	29	127	126
Beam	125	0	8	30	128	127
Beam	126	0	8	31	129	128
Beam	127	0	8	32	130	129
Beam	128	0	8	1	131	130
Beam	129	0	8	1	132	131
Beam	130	0	8	1	133	132
Beam	131	0	8	1	134	133
Beam	132	0	8	1	135	134
Beam	133	0	8	1	136	135
Beam	134	0	8	1	137	136
Beam	135	0	8	1	138	137
Beam	136	0	8	1	139	138
Beam	137	0	8	1	140	139
Beam	138	0	8	1	141	140
Beam	139	0	8	1	142	141
Beam	140	0	8	1	143	142
Beam	141	0	8	1	144	143
Beam	142	0	8	1	145	144
Beam	143	0	7	27	146	83
Beam	144	0	7	50	147	146
Beam	145	0	7	49	148	147
Beam	146	0	7	48	149	148
Beam	147	0	7	47	150	149
Beam	148	0	7	46	151	150
Beam	149	0	7	45	152	151
Beam	150	0	7	44	153	152
Beam	151	0	7	43	154	153
Beam	152	0	7	42	155	154
Beam	153	0	7	41	156	155

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  Beam          154    0    7    40   157   156
  Beam          155    0    7    39   158   157
  Beam          156    0    7    38   159   158
  Beam          157    0    7    37   160   159
  Beam          158    0    7    36   161   160
  Beam          159    0    7    35   162   161
  Beam          160    0    7    34   163   162
  Beam          161    0    7    33   164   163
  Beam          162    0    7     1    82   164
  Beam          163    0    8     1   104   145

/ _____________________________________________________________________________
/ BEAM SUPPORTS
/ Freedom Case 1
  BmSupport       1    1  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1    2  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1    3  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1    4  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1    5  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1    6  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1    7  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1    8  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1    9  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   10  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   11  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   12  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   13  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   14  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   15  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   16  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   17  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   18  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   19  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   20  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   21  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   22  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   23  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   24  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   25  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   26  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   27  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   28  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   29  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   30  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   31  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   32  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   33  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   34  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   35  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   36  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   37  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   38  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   39  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   40  0.000000000000000E+0  8.140000000000000E+2  CompOnly
  BmSupport       1   41  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   42  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   43  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   44  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   45  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   46  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   47  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   48  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   49  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   50  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   51  0.000000000000000E+0  4.226500000000000E+3  CompOnly
  BmSupport       1   52  0.000000000000000E+0  4.226500000000000E+3  CompOnly
```

BmSupport	1	53	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	54	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	55	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	56	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	57	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	58	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	59	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	60	0.00000000000000E+0	4.22650000000000E+3	CompOnly
BmSupport	1	61	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	62	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	63	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	64	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	65	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	66	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	67	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	68	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	69	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	70	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	71	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	72	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	73	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	74	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	75	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	76	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	77	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	78	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	79	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	80	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	81	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	82	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	83	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	84	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	85	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	86	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	87	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	88	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	89	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	90	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	91	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	92	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	93	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	94	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	95	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	96	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	97	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	98	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	99	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	100	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	101	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	102	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	103	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	104	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	105	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	106	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	107	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	108	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	109	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	110	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	111	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	112	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	113	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	114	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	115	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	116	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	117	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	118	0.00000000000000E+0	1.49579927300000E+6	CompOnly

```
  BmSupport          1   119  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   120  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   121  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   122  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   123  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   124  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   125  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   126  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   127  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   128  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   129  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   130  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   131  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   132  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   133  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   134  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   135  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   136  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   137  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   138  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   139  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   140  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   141  0.000000000000000E+0   8.206463642811630E+5   CompOnly
  BmSupport          1   142  0.000000000000000E+0   8.206463642812000E+5   CompOnly
  BmSupport          1   143  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   144  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   145  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   146  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   147  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   148  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   149  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   150  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   151  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   152  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   153  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   154  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   155  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   156  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   157  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   158  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   159  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   160  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   161  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   162  0.000000000000000E+0   1.495799273000000E+6   CompOnly
  BmSupport          1   163  0.000000000000000E+0   8.206463642812000E+5   CompOnly

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ P_cop
  BmDistLoadG        2    1    Y    1  -1.500383984757000E+2   -1.500383984757000E+2   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG        2    2    Y    1  -1.490548628525380E+2   -1.490548628525380E+2   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG        2    3    Y    1  -1.481189978157240E+2   -1.481189978157240E+2   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG        2    4    Y    1  -1.472314580449160E+2   -1.472314580449160E+2   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG        2    5    Y    1  -1.463928644140760E+2   -1.463928644140760E+2   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG        2    6    Y    1  -1.456038035571410E+2   -1.456038035571410E+2   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG        2    7    Y    1  -1.448648274576460E+2   -1.448648274576460E+2   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
  BmDistLoadG        2    8    Y    1  -1.441764530625870E+2   -1.441764530625870E+2   0.000000000000000E+0   0.000000000000000E+0
0.000000000000000E+0   0.000000000000000E+0
```

BmDistLoadG 2 9 Y 1 -1.43539161920795E+2 -1.43539161920795E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 10 Y 1 -1.42953399846067E+2 -1.42953399846067E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 11 Y 1 -1.42419576605302E+2 -1.42419576605302E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 12 Y 1 -1.41938065631851E+2 -1.41938065631851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 13 Y 1 -1.41509203764283E+2 -1.41509203764283E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 14 Y 1 -1.41133291010750E+2 -1.41133291010750E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 15 Y 1 -1.40810590339119E+2 -1.40810590339119E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 16 Y 1 -1.40541327493014E+2 -1.40541327493014E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 17 Y 1 -1.40325690833899E+2 -1.40325690833899E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 18 Y 1 -1.40163831209309E+2 -1.40163831209309E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 19 Y 1 -1.40055861847327E+2 -1.40055861847327E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 20 Y 1 -1.40001858277373E+2 -1.40001858277373E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 21 Y 1 -1.40001858277373E+2 -1.40001858277373E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 22 Y 1 -1.40055861847327E+2 -1.40055861847327E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 23 Y 1 -1.40163831209309E+2 -1.40163831209309E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 24 Y 1 -1.40325690833899E+2 -1.40325690833899E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 25 Y 1 -1.40541327493014E+2 -1.40541327493014E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 26 Y 1 -1.40810590339119E+2 -1.40810590339119E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 27 Y 1 -1.41133291010750E+2 -1.41133291010750E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 28 Y 1 -1.41509203764283E+2 -1.41509203764283E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 29 Y 1 -1.41938065631851E+2 -1.41938065631851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 30 Y 1 -1.42419576605302E+2 -1.42419576605302E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 31 Y 1 -1.42953399846067E+2 -1.42953399846067E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 32 Y 1 -1.43539161920795E+2 -1.43539161920795E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 33 Y 1 -1.44176453062587E+2 -1.44176453062587E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 34 Y 1 -1.44864827457646E+2 -1.44864827457646E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 35 Y 1 -1.45603803557141E+2 -1.45603803557141E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 36 Y 1 -1.46392864414076E+2 -1.46392864414076E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 37 Y 1 -1.47231458044916E+2 -1.47231458044916E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 38 Y 1 -1.48118997815724E+2 -1.48118997815724E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 39 Y 1 -1.49054862852538E+2 -1.49054862852538E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 40 Y 1 -1.50038398475700E+2 -1.50038398475700E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 41 Y 1 -1.51778700000000E+2 -1.51778700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 2 42 Y 1 -1.54252100000000E+2 -1.54252100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 43 Y 1 -1.56725500000000E+2 -1.56725500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 44 Y 1 -1.59198900000000E+2 -1.59198900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 45 Y 1 -1.61672300000000E+2 -1.61672300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 46 Y 1 -1.64145700000000E+2 -1.64145700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 47 Y 1 -1.66619100000000E+2 -1.66619100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 48 Y 1 -1.69092500000000E+2 -1.69092500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 49 Y 1 -1.71565900000000E+2 -1.71565900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 50 Y 1 -1.74039300000000E+2 -1.74039300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 51 Y 1 -1.51778700000000E+2 -1.51778700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 52 Y 1 -1.54252100000000E+2 -1.54252100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 53 Y 1 -1.56725500000000E+2 -1.56725500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 54 Y 1 -1.59198900000000E+2 -1.59198900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 55 Y 1 -1.61672300000000E+2 -1.61672300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 56 Y 1 -1.64145700000000E+2 -1.64145700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 57 Y 1 -1.66619100000000E+2 -1.66619100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 58 Y 1 -1.69092500000000E+2 -1.69092500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 59 Y 1 -1.71565900000000E+2 -1.71565900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 60 Y 1 -1.74039300000000E+2 -1.74039300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SP_sx
BmDistLoadG 3 1 X 1 8.70222711159060E+1 8.70222711159060E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 2 X 1 8.64518204544718E+1 8.64518204544718E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 3 X 1 8.59090187331197E+1 8.59090187331197E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 4 X 1 8.53942456660512E+1 8.53942456660512E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 5 X 1 8.49078613601640E+1 8.49078613601640E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 6 X 1 8.44502060631416E+1 8.44502060631416E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 7 X 1 8.40215999254346E+1 8.40215999254346E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 8 X 1 8.36223427763007E+1 8.36223427763007E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 9 X 1 8.32527139140611E+1 8.32527139140611E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 10 X 1 8.29129719107187E+1 8.29129719107187E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 11 X 1 8.26033544310752E+1 8.26033544310752E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 12 X 1 8.23240780664738E+1 8.23240780664738E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 3 13 X 1 8.20753381832843E+1 8.20753381832843E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 14 X 1 8.18573087862351E+1 8.18573087862351E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 15 X 1 8.16701423966891E+1 8.16701423966891E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 16 X 1 8.15139699459483E+1 8.15139699459483E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 17 X 1 8.13889006836616E+1 8.13889006836616E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 18 X 1 8.12950221013994E+1 8.12950221013994E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 19 X 1 8.12323998714495E+1 8.12323998714495E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 20 X 1 8.12010778008764E+1 8.12010778008764E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 51 X 1 8.80316460000000E+1 8.80316460000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 52 X 1 8.94662180000000E+1 8.94662180000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 53 X 1 9.09007900000000E+1 9.09007900000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 54 X 1 9.23353620000000E+1 9.23353620000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 55 X 1 9.37699340000000E+1 9.37699340000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 56 X 1 9.52045060000000E+1 9.52045060000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 57 X 1 9.66390780000000E+1 9.66390780000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 58 X 1 9.80736500000000E+1 9.80736500000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 59 X 1 9.95082220000000E+1 9.95082220000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 60 X 1 1.00942794000000E+2 1.00942794000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 71 X 1 1.02854630821268E+2 1.02854630821268E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 72 X 1 1.05250422869949E+2 1.05250422869949E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 73 X 1 1.07658862675023E+2 1.07658862675023E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 74 X 1 1.10078480489244E+2 1.10078480489244E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 75 X 1 1.12507799743998E+2 1.12507799743998E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 76 X 1 1.14945337950381E+2 1.14945337950381E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 77 X 1 1.17389607603883E+2 1.17389607603883E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 78 X 1 1.19839117092138E+2 1.19839117092138E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 79 X 1 1.22292371605178E+2 1.22292371605178E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 80 X 1 1.24747874047639E+2 1.24747874047639E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 143 X 1 1.66291654675277E+2 1.66291654675277E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 144 X 1 1.64264668561263E+2 1.64264668561263E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 145 X 1 1.62230600689128E+2 1.62230600689128E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 146 X 1 1.60189910174258E+2 1.60189910174258E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 147 X 1 1.58143057626851E+2 1.58143057626851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

```
  BmDistLoadG        3   148   X   1   1.56090505047960E+2    1.56090505047960E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   149   X   1   1.54032715725206E+2    1.54032715725206E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   150   X   1   1.51970154128211E+2    1.51970154128211E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   151   X   1   1.49903285803763E+2    1.49903285803763E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   152   X   1   1.47832577270730E+2    1.47832577270730E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   153   X   1   1.45758495914769E+2    1.45758495914769E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   154   X   1   1.43681509882823E+2    1.43681509882823E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   155   X   1   1.41602087977460E+2    1.41602087977460E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   156   X   1   1.39520699551057E+2    1.39520699551057E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   157   X   1   1.37437814399858E+2    1.37437814399858E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   158   X   1   1.35353902657937E+2    1.35353902657937E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   159   X   1   1.33269434691085E+2    1.33269434691085E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   160   X   1   1.31184880990638E+2    1.31184880990638E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   161   X   1   1.29100712067285E+2    1.29100712067285E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        3   162   X   1   1.27017391305804E+2    1.27017391305804E+2    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0

/ ____________________________________________________________________________
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SP_dx
  BmDistLoadG        4    21   X   1  -8.12010778008764E+1   -8.12010778008764E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    22   X   1  -8.12323998714495E+1   -8.12323998714495E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    23   X   1  -8.12950221013994E+1   -8.12950221013994E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    24   X   1  -8.13889006836616E+1   -8.13889006836616E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    25   X   1  -8.15139699459483E+1   -8.15139699459483E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    26   X   1  -8.16701423966891E+1   -8.16701423966891E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    27   X   1  -8.18573087862351E+1   -8.18573087862351E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    28   X   1  -8.20753381832843E+1   -8.20753381832843E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    29   X   1  -8.23240780664738E+1   -8.23240780664738E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    30   X   1  -8.26033544310752E+1   -8.26033544310752E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    31   X   1  -8.29129719107187E+1   -8.29129719107187E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    32   X   1  -8.32527139140611E+1   -8.32527139140611E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    33   X   1  -8.36223427763007E+1   -8.36223427763007E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    34   X   1  -8.40215999254346E+1   -8.40215999254346E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    35   X   1  -8.44502060631416E+1   -8.44502060631416E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG        4    36   X   1  -8.49078613601640E+1   -8.49078613601640E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
```

BmDistLoadG 4 37 X 1 -8.53942456660512E+1 -8.53942456660512E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 38 X 1 -8.59090187331197E+1 -8.59090187331197E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 39 X 1 -8.64518204544718E+1 -8.64518204544718E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 40 X 1 -8.70222711159060E+1 -8.70222711159060E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 41 X 1 -8.80316460000000E+1 -8.80316460000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 42 X 1 -8.94662180000000E+1 -8.94662180000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 43 X 1 -9.09007900000000E+1 -9.09007900000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 44 X 1 -9.23353620000000E+1 -9.23353620000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 45 X 1 -9.37699340000000E+1 -9.37699340000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 46 X 1 -9.52045060000000E+1 -9.52045060000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 47 X 1 -9.66390780000000E+1 -9.66390780000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 48 X 1 -9.80736500000000E+1 -9.80736500000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 49 X 1 -9.95082220000000E+1 -9.95082220000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 50 X 1 -1.00942794000000E+2 -1.00942794000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 61 X 1 -1.02854630821268E+2 -1.02854630821268E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 62 X 1 -1.05250422869949E+2 -1.05250422869949E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 63 X 1 -1.07658862675023E+2 -1.07658862675023E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 64 X 1 -1.10078480489244E+2 -1.10078480489244E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 65 X 1 -1.12507799743998E+2 -1.12507799743998E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 66 X 1 -1.14945337950381E+2 -1.14945337950381E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 67 X 1 -1.17389607603883E+2 -1.17389607603883E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 68 X 1 -1.19839117092138E+2 -1.19839117092138E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 69 X 1 -1.22292371605178E+2 -1.22292371605178E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 70 X 1 -1.24747874047639E+2 -1.24747874047639E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 102 X 1 -1.66291654675277E+2 -1.66291654675277E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 103 X 1 -1.64264668561263E+2 -1.64264668561263E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 104 X 1 -1.62230600689128E+2 -1.62230600689128E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 105 X 1 -1.60189910174258E+2 -1.60189910174258E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 106 X 1 -1.58143057626851E+2 -1.58143057626851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 107 X 1 -1.56090505047960E+2 -1.56090505047960E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 108 X 1 -1.54032715725206E+2 -1.54032715725206E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 109 X 1 -1.51970154128211E+2 -1.51970154128211E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 110 X 1 -1.49903285803763E+2 -1.49903285803763E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 111 X 1 -1.47832577270730E+2 -1.47832577270730E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 112 X 1 -1.45758495914769E+2 -1.45758495914769E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 113 X 1 -1.43681509882823E+2 -1.43681509882823E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 114 X 1 -1.41602087977460E+2 -1.41602087977460E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 115 X 1 -1.39520699551057E+2 -1.39520699551057E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 116 X 1 -1.37437814399858E+2 -1.37437814399858E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 117 X 1 -1.35353902657937E+2 -1.35353902657937E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 118 X 1 -1.33269434691085E+2 -1.33269434691085E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 119 X 1 -1.31184880990638E+2 -1.31184880990638E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 120 X 1 -1.29100712067285E+2 -1.29100712067285E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 121 X 1 -1.27017391305804E+2 -1.27017391305804E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ V
BmDistLoadG 5 1 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 2 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 3 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 4 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 5 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 6 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 7 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 8 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 9 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 10 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 11 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 12 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 13 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 14 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 15 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 16 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 17 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 18 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 19 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 20 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 5 21 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 22 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 23 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 24 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 25 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 26 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 27 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 28 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 29 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 30 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 31 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 32 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 33 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 34 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 35 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 36 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 37 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 38 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 39 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 40 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 41 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 42 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 43 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 44 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 45 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 46 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 47 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 48 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 49 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 50 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 51 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 52 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 53 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 5 54 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 55 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 56 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 57 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 58 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 59 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 60 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SV_sx
BmDistLoadG 6 1 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 2 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 3 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 4 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 5 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 6 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 7 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 8 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 9 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 10 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 11 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 12 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 13 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 14 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 15 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 16 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 17 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 18 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 19 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 20 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 21 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 51 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 52 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 6 53 X 1 1.16000000000000E+1 1.16000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 6 54 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 55 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 56 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 57 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 58 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 59 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 60 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 71 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 72 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 73 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 74 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 75 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 76 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 77 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 78 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 79 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 80 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 143 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 144 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 145 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 146 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 147 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 148 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 149 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 150 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 151 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 152 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 153 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 154 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 155 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 156 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 157 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 158 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 6 159 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 160 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 161 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 162 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SV_dx
BmDistLoadG 7 22 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 23 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 24 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 25 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 26 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 27 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 28 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 29 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 30 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 31 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 32 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 33 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 34 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 35 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 36 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 37 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 38 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 39 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 40 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 41 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 42 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 43 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 44 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 45 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 46 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 47 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 48 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 49 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 50 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 61 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 62 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 63 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 64 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 65 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 66 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 67 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 68 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 69 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 70 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 102 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 103 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 104 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 105 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 106 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 107 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 108 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 109 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 110 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 111 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 112 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 113 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 114 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 115 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 116 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 117 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 118 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 119 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 120 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 121 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ dS_h
BmDistLoadG 8 1 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 2 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 3 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 4 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 5 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 6 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 7 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 8 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 9 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 10 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 11 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 12 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 13 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 14 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 15 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 16 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 17 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 18 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 19 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 20 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 51 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 52 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 53 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 54 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 55 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 56 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 57 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 58 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 59 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 60 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 71 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 72 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected

BmDistLoadG 8 73 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 74 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 75 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 76 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 77 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 78 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 79 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 80 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 143 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 144 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 145 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 146 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 147 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 148 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 149 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 150 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 151 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 152 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 153 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 154 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 155 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 156 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 157 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 158 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 159 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 160 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 161 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 162 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ dS_V
BmDistLoadG 9 1 Y 1 -1.56790126407106E+1 -1.56790126407106E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 2 Y 1 -1.55762331680901E+1 -1.55762331680901E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 3 Y 1 -1.54784352717431E+1 -1.54784352717431E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected

BmDistLoadG 9 4 Y 1 -1.53856873656937E+1 -1.53856873656937E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 5 Y 1 -1.52980543312709E+1 -1.52980543312709E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 6 Y 1 -1.52155974717212E+1 -1.52155974717212E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 7 Y 1 -1.51383744693239E+1 -1.51383744693239E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 8 Y 1 -1.50664393450403E+1 -1.50664393450403E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 9 Y 1 -1.49998424207230E+1 -1.49998424207230E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 10 Y 1 -1.49386302839139E+1 -1.49386302839139E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 11 Y 1 -1.48828457552540E+1 -1.48828457552540E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 12 Y 1 -1.48325278585284E+1 -1.48325278585284E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 13 Y 1 -1.47877117933676E+1 -1.47877117933676E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 14 Y 1 -1.47484289106233E+1 -1.47484289106233E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 15 Y 1 -1.47147066904379E+1 -1.47147066904379E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 16 Y 1 -1.46865687230200E+1 -1.46865687230200E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 17 Y 1 -1.46640346921424E+1 -1.46640346921424E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 18 Y 1 -1.46471203613728E+1 -1.46471203613728E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 19 Y 1 -1.46358375630456E+1 -1.46358375630456E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 20 Y 1 -1.46301941899855E+1 -1.46301941899855E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 21 Y 1 -1.46301941899855E+1 -1.46301941899855E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 22 Y 1 -1.46358375630456E+1 -1.46358375630456E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 23 Y 1 -1.46471203613728E+1 -1.46471203613728E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 24 Y 1 -1.46640346921424E+1 -1.46640346921424E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 25 Y 1 -1.46865687230200E+1 -1.46865687230200E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 26 Y 1 -1.47147066904379E+1 -1.47147066904379E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 27 Y 1 -1.47484289106233E+1 -1.47484289106233E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 28 Y 1 -1.47877117933676E+1 -1.47877117933676E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 29 Y 1 -1.48325278585284E+1 -1.48325278585284E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 30 Y 1 -1.48828457552540E+1 -1.48828457552540E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 31 Y 1 -1.49386302839139E+1 -1.49386302839139E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 32 Y 1 -1.49998424207230E+1 -1.49998424207230E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 33 Y 1 -1.50664393450403E+1 -1.50664393450403E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 34 Y 1 -1.51383744693239E+1 -1.51383744693239E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 35 Y 1 -1.52155974717212E+1 -1.52155974717212E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 36 Y 1 -1.52980543312709E+1 -1.52980543312709E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected

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  BmDistLoadG          9    37    Y    1  -1.53856873656937E+1   -1.53856873656937E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    38    Y    1  -1.54784352717431E+1   -1.54784352717431E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    39    Y    1  -1.55762331680901E+1   -1.55762331680901E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    40    Y    1  -1.56790126407106E+1   -1.56790126407106E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    41    Y    1  -1.58608741500000E+1   -1.58608741500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    42    Y    1  -1.61193444500000E+1   -1.61193444500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    43    Y    1  -1.63778147500000E+1   -1.63778147500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    44    Y    1  -1.66362850500000E+1   -1.66362850500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    45    Y    1  -1.68947553500000E+1   -1.68947553500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    46    Y    1  -1.71532256500000E+1   -1.71532256500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    47    Y    1  -1.74116959500000E+1   -1.74116959500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    48    Y    1  -1.76701662500000E+1   -1.76701662500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    49    Y    1  -1.79286365500000E+1   -1.79286365500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    50    Y    1  -1.81871068500000E+1   -1.81871068500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    51    Y    1  -1.58608741500000E+1   -1.58608741500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    52    Y    1  -1.61193444500000E+1   -1.61193444500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    53    Y    1  -1.63778147500000E+1   -1.63778147500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    54    Y    1  -1.66362850500000E+1   -1.66362850500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    55    Y    1  -1.68947553500000E+1   -1.68947553500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    56    Y    1  -1.71532256500000E+1   -1.71532256500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    57    Y    1  -1.74116959500000E+1   -1.74116959500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    58    Y    1  -1.76701662500000E+1   -1.76701662500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    59    Y    1  -1.79286365500000E+1   -1.79286365500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected
  BmDistLoadG          9    60    Y    1  -1.81871068500000E+1   -1.81871068500000E+1   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0   Projected

/ _____
/ BEAM PROPERTIES

  BeamProp             1   16737843   "Beam Property 1"
    MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
    Modulus           2.74600000000000E+4
    ShearMod          1.14420000000000E+4
    Poisson           2.00000000000000E-1
    UsePoisson        TRUE
    Density           2.40000000000000E+3
    Expansion         1.00000000000000E-5
    ThermalCond       1.37000000000000E+0
    SpecificHeat      8.80000000000000E+2
    InstantAlpha      FALSE
    Area              8.00000000000000E-1
    MomentI11         4.26666666670000E-2
    MomentI22         6.66666666670000E-2
```

```
  MomentJ          9.03304533330000E-2
  SectionType      SolidRect
    B              1.00000000000000E+0
    D              8.00000000000000E-1
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp             2    3355647  "Beam Property 2"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             8.67000000000000E-1
  MomentI11        5.43095302500000E-2
  MomentI22        7.22500000000000E-2
  MomentJ          1.07071853237000E-1
  SectionType      SolidRect
    B              1.00000000000000E+0
    D              8.67000000000000E-1
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp             3    3407692  "Beam Property 3"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             9.34000000000000E-1
  MomentI11        6.78983753330000E-2
  MomentI22        7.78333333330000E-2
  MomentJ          1.24102616742000E-1
  SectionType      SolidRect
    B              1.00000000000000E+0
    D              9.34000000000000E-1
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp             4    3407846  "Beam Property 4"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
```

```
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.00100000000000E+0
 MomentI11          8.35835834170000E-2
 MomentI22          8.34166666670000E-2
 MomentJ            1.40982683983000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.00100000000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            5    16757299   "Beam Property 5"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.06800000000000E+0
 MomentI11          1.01515536000000E-1
 MomentI22          8.90000000000000E-2
 MomentJ            1.62229712859000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.06800000000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            6    16724966   "Beam Property 6"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.13500000000000E+0
 MomentI11          1.21844614583000E-1
 MomentI22          9.45833333330000E-2
 MomentJ            1.83604992658000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.13500000000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            7    6750003   "Beam Property 7"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.20200000000000E+0
  MomentI11         1.44721200667000E-1
  MomentI22         1.00166666667000E-1
  MomentJ           2.05087077094000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.20200000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            8    3375359   "Beam Property 8"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.26900000000000E+0
  MomentI11         1.70295675750000E-1
  MomentI22         1.05750000000000E-1
  MomentJ           2.26659049120000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.26900000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            9    16724812   "Beam Property 9"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.33600000000000E+0
  MomentI11         1.98718421333000E-1
  MomentI22         1.11333333333000E-1
  MomentJ           2.48307385230000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.33600000000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            10    8401919   "Beam Property 10"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.40300000000000E+0
  MomentI11         2.30139818917000E-1
  MomentI22         1.16916666667000E-1
  MomentJ           2.70021145165000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.40300000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            11    11730739   "Beam Property 11"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.47000000000000E+0
  MomentI11         2.64710250000000E-1
  MomentI22         1.22500000000000E-1
  MomentJ           2.91791383220000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.47000000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            12    3394815   "Beam Property 12"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              6.00000000000000E-1
  MomentI11         1.80000000000000E-2
  MomentI22         5.00000000000000E-2
```

```
  MomentJ          4.61318400000000E-2
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               6.00000000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           13   16724889  "Beam Property 13"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             6.83300000000000E-1
  MomentI11        2.65860009610000E-2
  MomentI22        5.69416666670000E-2
  MomentJ          6.31470420770000E-2
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               6.83300000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           14   13382655  "Beam Property 14"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             7.66670000000000E-1
  MomentI11        3.75529589530000E-2
  MomentI22        6.38891666670000E-2
  MomentJ          8.22503849030000E-2
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               7.66670000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           15   16777011  "Beam Property 15"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
```

```
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               8.50000000000000E-1
 MomentI11          5.11770833330000E-2
 MomentI22          7.08333333330000E-2
 MomentJ            1.02777912917000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 8.50000000000000E-1
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            16    3407769   "Beam Property 16"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               9.33330000000000E-1
 MomentI11          6.77523604960000E-2
 MomentI22          7.77775000000000E-2
 MomentJ            1.23932497010000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 9.33330000000000E-1
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            17    15096878   "Beam Property 17"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.01667000000000E+0
 MomentI11          8.75706915920000E-2
 MomentI22          8.47225000000000E-2
 MomentJ            1.45939124429000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.01667000000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            18    3026662   "Beam Property 18"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             1.100000000000000E+0
  MomentI11        1.109166666670000E-1
  MomentI22        9.166666666700000E-2
  MomentJ          1.724242424240000E-1
  SectionType      SolidRect
   B               1.000000000000000E+0
   D               1.100000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           19    3073605   "Beam Property 19"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             1.183330000000000E+0
  MomentI11        1.380817806360000E-1
  MomentI22        9.861083333300000E-2
  MomentJ          1.990912619190000E-1
  SectionType      SolidRect
   B               1.000000000000000E+0
   D               1.183330000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           20    3073743   "Beam Property 20"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             1.266670000000000E+0
  MomentI11        1.693593617320000E-1
  MomentI22        1.055558333330000E-1
  MomentJ          2.259075078490000E-1
  SectionType      SolidRect
   B               1.000000000000000E+0
   D               1.266670000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
```

```
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             21    15114542   "Beam Property 21"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.35000000000000E+0
 MomentI11         2.05031250000000E-1
 MomentI22         1.12500000000000E-1
 MomentJ           2.52839506173000E-1
 SectionType       SolidRect
  B                1.00000000000000E+0
  D                1.35000000000000E+0
  CT               FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             22    15085263   "Beam Property 22"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.43333000000000E+0
 MomentI11         2.45390263276000E-1
 MomentI22         1.19444166667000E-1
 MomentJ           2.79869718046000E-1
 SectionType       SolidRect
  B                1.00000000000000E+0
  D                1.43333000000000E+0
  CT               FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             23     6088238   "Beam Property 23"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.51667000000000E+0
 MomentI11         2.90731469371000E-1
 MomentI22         1.26389166667000E-1
```

```
 MomentJ           3.06985212978000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.51667000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             24    3044326   "Beam Property 24"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.60000000000000E+0
 MomentI11         3.41333333333000E-1
 MomentI22         1.33333333333000E-1
 MomentJ           3.34166666667000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.60000000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             25    15085125   "Beam Property 25"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.68330000000000E+0
 MomentI11         3.97469056795000E-1
 MomentI22         1.40275000000000E-1
 MomentJ           3.61397233609000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.68330000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             26    7548646   "Beam Property 26"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.76666700000000E+0
  MomentI11          4.59497173673000E-1
  MomentI22          1.47222250000000E-1
  MomentJ            3.88700318904000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.76666700000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             27    10610222   "Beam Property 27"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.54000000000000E+0
  MomentI11          3.04355333333000E-1
  MomentI22          1.28333333333000E-1
  MomentJ            3.14588744589000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.54000000000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             28    3061990   "Beam Property 28"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.41000000000000E+0
  MomentI11          2.33601750000000E-1
  MomentI22          1.17500000000000E-1
  MomentJ            2.72293144208000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.41000000000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             29    15085194   "Beam Property 29"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             1.33000000000000E+0
 MomentI11        1.96053083333000E-1
 MomentI22        1.10833333333000E-1
 MomentJ          2.46365914787000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               1.33000000000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            30   12070630  "Beam Property 30"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             1.20000000000000E+0
 MomentI11        1.44000000000000E-1
 MomentI22        1.00000000000000E-1
 MomentJ          2.04444444444000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               1.20000000000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
 UseMomCurv       FALSE
 NonLinType       Elasticplastic
 Hardening        Isotropic

BeamProp            31   15132206  "Beam Property 31"
 MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
 Modulus          2.74600000000000E+4
 ShearMod         1.14420000000000E+4
 Poisson          2.00000000000000E-1
 UsePoisson       TRUE
 Density          2.40000000000000E+3
 Expansion        1.00000000000000E-5
 ThermalCond      1.37000000000000E+0
 SpecificHeat     8.80000000000000E+2
 InstantAlpha     FALSE
 Area             1.07000000000000E+0
 MomentI11        1.02086916667000E-1
 MomentI22        8.91666666670000E-2
 MomentJ          1.62866043614000E-1
 SectionType      SolidRect
  B               1.00000000000000E+0
  D               1.07000000000000E+0
  CT              FALSE
 TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              32    3073674   "Beam Property 32"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.00000000000000E+0
  MomentI11         8.33333333330000E-2
  MomentI22         8.33333333330000E-2
  MomentJ           1.40666666667000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.00000000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              33    13390377   "Beam Property 33"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              8.38947000000000E-1
  MomentI11         4.92064835530000E-2
  MomentI22         6.99122500000000E-2
  MomentJ           9.99999072150000E-2
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               8.38947000000000E-1
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              34    2697676   "Beam Property 34"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              8.77895000000000E-1
  MomentI11         5.63827793820000E-2
  MomentI22         7.31579166670000E-2
```

```
 MomentJ           1.09834225012000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              8.77895000000000E-1
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             35    2739261   "Beam Property 35"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              9.16842000000000E-1
 MomentI11         6.42247250240000E-2
 MomentI22         7.64035000000000E-2
 MomentJ           1.19740757460000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              9.16842000000000E-1
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             36    2739384   "Beam Property 36"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              9.55789000000000E-1
 MomentI11         7.27620351820000E-2
 MomentI22         7.96490833330000E-2
 MomentJ           1.29620217916000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              9.55789000000000E-1
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             37   13405993   "Beam Property 37"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               9.94737000000000E-1
  MomentI11          8.20244959770000E-2
  MomentI22          8.28947500000000E-2
  MomentJ            1.39366107904000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 9.94737000000000E-1
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             38    13380024   "Beam Property 38"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.03368400000000E+0
  MomentI11          9.20411711530000E-2
  MomentI22          8.61403333330000E-2
  MomentJ            1.51329836409000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.03368400000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             39    5426217   "Beam Property 39"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.07263200000000E+0
  MomentI11          1.02842115472000E-1
  MomentI22          8.93860000000000E-2
  MomentJ            1.63703627284000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.07263200000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             40    2713292   "Beam Property 40"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             1.111579000000000E+0
  MomentI11        1.144563136770000E-1
  MomentI22        9.263158333300000E-2
  MomentJ          1.761197669380000E-1
  SectionType      SolidRect
   B               1.000000000000000E+0
   D               1.111579000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp            41    13379901   "Beam Property 41"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             1.150526000000000E+0
  MomentI11        1.269135716400000E-1
  MomentI22        9.587716666700000E-2
  MomentJ          1.885742395730000E-1
  SectionType      SolidRect
   B               1.000000000000000E+0
   D               1.150526000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp            42     6695372   "Beam Property 42"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             1.189474000000000E+0
  MomentI11        1.402437818160000E-1
  MomentI22        9.912283333300000E-2
  MomentJ          2.010636008510000E-1
  SectionType      SolidRect
   B               1.000000000000000E+0
   D               1.189474000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              43    9423913   "Beam Property 43"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.22842100000000E+0
  MomentI11         1.54475799069000E-1
  MomentI22         1.02368416667000E-1
  MomentJ           2.13583921484000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.22842100000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              44    2728908   "Beam Property 44"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.26736800000000E+0
  MomentI11         1.69639493071000E-1
  MomentI22         1.05614000000000E-1
  MomentJ           2.26132637988000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.26736800000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              45   13379962   "Beam Property 45"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.30631600000000E+0
  MomentI11         1.85764829183000E-1
  MomentI22         1.08859666667000E-1
```

```
  MomentJ          2.38707533720000E-1
  SectionType      SolidRect
    B              1.00000000000000E+0
    D              1.30631600000000E+0
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp            46   10693068  "Beam Property 46"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.34526300000000E+0
  MomentI11        2.02880518737000E-1
  MomentI22        1.12105250000000E-1
  MomentJ          2.51305717214000E-1
  SectionType      SolidRect
    B              1.00000000000000E+0
    D              1.34526300000000E+0
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp            47   13421609  "Beam Property 47"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.38421100000000E+0
  MomentI11        2.21016981042000E-1
  MomentI22        1.15350916667000E-1
  MomentJ          2.63925842356000E-1
  SectionType      SolidRect
    B              1.00000000000000E+0
    D              1.38421100000000E+0
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp            48    2739322  "Beam Property 48"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.42315800000000E+0
  MomentI11          2.40202824160000E-1
  MomentI22          1.18596500000000E-1
  MomentJ            2.76565486279000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.42315800000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             49    11683620   "Beam Property 49"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.46210500000000E+0
  MomentI11          2.60468039268000E-1
  MomentI22          1.21842083333000E-1
  MomentJ            2.89223387063000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.46210500000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             50     2368690   "Beam Property 50"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.50105300000000E+0
  MomentI11          2.81842728401000E-1
  MomentI22          1.25087750000000E-1
  MomentJ            3.01898449246000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.50105300000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic
```

/ _____

```
/ LINEAR STATIC SOLVER DATA

  LoadFreedomSetLSA       1   ON
    1     2     3     4     5     6     7     8
    9


/ _____________________________________________________________________________
/ LINEAR BUCKLING SOLVER DATA

  BuckNumModes          4

  BuckShift           0.00000000000000E+0


/ _____________________________________________________________________________
/ LOAD INFLUENCE SOLVER DATA

  LoadFreedomSetLIA       1   ON
    1


/ _____________________________________________________________________________
/ NON-LINEAR STATIC SOLVER DATA

  NonLinearIncrement      0   Yes  "SLE-F1"
    LON1    1.00000000000000E+0
    LON2    1.00000000000000E+0
    LON3    1.00000000000000E+0
    LON4    1.00000000000000E+0
    LON5    8.00000000000000E-1
    FON1    1.00000000000000E+0

  NonLinearIncrement      0   Yes  "SLE-F2"
    LON1    1.00000000000000E+0
    LON2    1.00000000000000E+0
    LON3    1.00000000000000E+0
    LON4    1.00000000000000E+0
    LON6    8.00000000000000E-1
    FON1    1.00000000000000E+0

  NonLinearIncrement      0   Yes  "SLE-F3"
    LON1    1.00000000000000E+0
    LON2    1.00000000000000E+0
    LON3    1.00000000000000E+0
    LON4    1.00000000000000E+0
    LON7    8.00000000000000E-1
    FON1    1.00000000000000E+0

  NonLinearStage      Unstaged


/ _____________________________________________________________________________
/ NATURAL FREQUENCY SOLVER DATA

  FreqNumModes          4

  FreqShift           0.00000000000000E+0

  FreqIncludeNSMass       1     2     3     4     5     6     7     8
    9

  FreqModeParticipation   FALSE
   0.00000000000000E+0     0.00000000000000E+0     0.00000000000000E+0
   0.00000000000000E+0     0.00000000000000E+0     0.00000000000000E+0
   0.00000000000000E+0     0.00000000000000E+0     0.00000000000000E+0
```

/ _____
/ HEAT SOLVER DATA

LoadSetHeat 1 2 3 4 5 6 7 8
9

HeatTempLoadCase 1

HeatNonlinear FALSE

/ _____
/ GENERAL SOLVER DATA

SolverTempDependence None

SolverLoadCaseTempDependence 0

SolverActiveStage 0

SturmCheck FALSE

SolverFreedomCase 1

ModalLoadType BaseAcceleration

ModalNodeReactType Element

DampingType Rayleigh

RayleighFactors Frequency
1.00000000000000E+0 1.00000000000000E+1 1.00000000000000E+0 1.00000000000000E+1 1.00000000000000E-2
1.00000000000000E-2

NonLinearGeometry TRUE

NonLinearMaterial TRUE

IncludeCreep FALSE

SolverDefaultsGeneral
SolDefMatrixZeroDiag 1.00000000000000E-20
SolDefConjGradTol 1.00000000000000E-5
SolDefMaxConjGradIter 5000
SolDefMaxNumWarnings 10
SolDefWindowState 3
SolDefReducedLogFile TRUE
SolDefDoResidualsCheck FALSE
SolDefSuppressAllSingularities FALSE

SolverDefaultsElements
SolDefMinDimension 1.00000000000000E-9
SolDefMinInternalAngle 1.50000000000000E+1
SolDefZeroPointForce 1.00000000000000E-6
SolDefZeroDiagonal 1.00000000000000E-20
SolDefBeamMass Lumped
SolDefPlateMass Lumped
SolDefBrickMass Lumped
SolDefBeamLoads Consistent
SolDefPlateLoads Consistent
SolDefBeamSlices 5
SolDefIncludeLinkReactions TRUE

SolverDefaultsDrilling
SolDefZeroTrans 1.00000000000000E-8
SolDefZeroRot 1.00000000000000E-6
SolDrillStiffMult 1.00000000000000E-4
SolDrillZeroEig 1.00000000000000E-6
SolDefMaxNormalsAngle 5.00000000000000E+0
SolDefForceDrillingCheck FALSE

SolverDefaultsIteration
SolDefZeroDisp 1.00000000000000E-8
SolDefDispNormTol 1.00000000000000E-4
SolDefResidualsNormTol 1.00000000000000E-3
SolDefNonlinIterLimit 20
SolDefAddIterations TRUE
SolDefMaxUpdateInterval 5
SolDefMaxDispChange 1.00000000000000E+0
SolDefMaxResidualChange 1.00000000000000E-1
SolDefFormStiffnessMatrix 0
SolDefFormHeatStiffnessMatrix 2
SolDefHeatConvergenceTol 1.00000000000000E-5
SolDefHeatRelaxationFactor 6.66670000000000E-1
SolDefNonlinHeatIterLimit 20

SolverDefaultsSubSteps
SolDefSubStepping 0
SolDefMinLoadReductionFactor 1.00000000000000E-1
SolDefMaxRot 3.00000000000000E+1
SolDefMaxDispRatio 1.00000000000000E-1
SolDefMinArcLength 1.00000000000000E-3
SolDefMaxFibreInc 1.00000000000000E-2
SolDefSaveSubIncrements FALSE
SolDefDynamicAutoSteppingMode 0
SolDefMinTimeStep 1.00000000000000E-3
SolDefConsiderTableSteps FALSE
SolDefSingleShotRestart FALSE
SolDefAutoAssignPathDiv FALSE

SolverDefaultsNonlinear
SolDefIncludeKG TRUE
SolDefAutoScaleKg TRUE
SolDefIgnoreCompressiveBeamKg FALSE
SolDefBeamKgType Simplified
SolDefFiniteStrainDefinition Nominal
SolDefBeamLength Initial
SolDefRatioMNL 5.00000000000000E-1
SolDefZeroContactFactor 1.00000000000000E-6
SolDefSlidingFriction 1.00000000000000E-15
SolDefStickingFriction 1.00000000000000E+0
SolDefFrictionCutoffStrain 1.00000000000000E-5
SolDefScaleSupports TRUE

SolverDefaultsCreep
SolDefTimeStepParam 5.00000000000000E-1
SolDefMinViscoUnits 3
SolDefMaxViscoUnits 6
SolDefCurveFitTime 1.00000000000000E+4
SolDefCurveFitTimeUnit d
SolDefSpacingBias 5.00000000000000E-1
SolDefDoInstantNTA TRUE

SolverDefaultsEigenvalue
SolDefZeroFreq 1.00000000000000E-6
SolDefZeroBuckEigenvalue 1.00000000000000E-10
SolDefExpandWorkingSetBy 6
SolDefEigIterLimit 20
SolDefEigIterTol 1.00000000000000E-5

```
    SolDefEigAutoShift  FALSE

  SolverDefaultsDynamics
    SolDefWilsonTheta      1.37000000000000E+0
    SolDefNewmarkBeta      5.00000000000000E-1
    SolDefTransientMethod   Newmark
    SolDefExcludeMassComponents
    SolDefIncludeRotMass   TRUE


/ _____________________________________________________________________________
/ RESULT OPTIONS

  ResultOptions
    ResOptsRotationUnit   Degrees
    ResOptsHRADisplacement   Total
    ResOptsHRAVelocity   Total
    ResOptsHRAAcceleration   Relative
    ResOptsBeamForceMoment   Principal
    ResOptsStageDisplacement   BirthStage
/ _____________________________________________________________________________
/ Straus7 MODEL EXCHANGE FILE
/ TIMESTAMP: 6:18:36 pm, 05 giugno 2019

/ _____________________________________________________________________________
/ MODEL INFORMATION

  FileFormat         Straus7.2.4.6
  ModelName          "GA_open_SLE_QP"
  Title              ""
  Project            ""
  Author             ""
  Reference          ""
  Comments           ""

/ _____________________________________________________________________________
/ UNITS

  LengthUnit         m
  MassUnit           kg
  EnergyUnit         J
  PressureUnit       MPa
  ForceUnit          kN
  TemperatureUnit    C

/ _____________________________________________________________________________
/ GROUP DEFINITIONS

  Group              1   16711680   "\\Model"
  Group              2    3355647   "calotta"
  Group              3   16757299   "calotta\curvilinea"
  Group              4    6750003   "calotta\rettilinea"
  Group              5    3407692   "piedritto"
  Group              6    3375359   "piedritto\piedritto_alto"
  Group              7   16724812   "piedritto\piedritto_basso"
  Group              8    3407846   "arco rovescio"

/ _____________________________________________________________________________
/ FREEDOM CASE DEFINITIONS

  FreedomCase          1      0      1   "Freedom Case 1"


/ _____________________________________________________________________________
/ LOAD CASE DEFINITIONS
```

```
  LoadCase            1     1  "PP"
   Gravity            2   -9.80665000000000E+0
   LCInclude          3

  LoadCase            2     0  "P_cop"
   LCInclude          3

  LoadCase            3     0  "SP_sx"
   LCInclude          3

  LoadCase            4     0  "SP_dx"
   LCInclude          3

  LoadCase            5     0  "V"
   LCInclude          3

  LoadCase            6     0  "SV_sx"
   LCInclude          3

  LoadCase            7     0  "SV_dx"
   LCInclude          3

  LoadCase            8     0  "dS_h"
   LCInclude          3

  LoadCase            9     0  "dS_V"
   LCInclude          3


/ _____________________________________________________________________________
/ INCREMENT ENVELOPES

  IncrementEnvelope    "Envelope Case"  Abs
  ON                1
  ON                2
  ON                3
  ON                4
  ON                5
  ON                6
  ON                7
  ON                8
  ON                9
  ON               10
  ON               11
  ON               12
  ON               13
  ON               14
  ON               15
  ON               16


/ _____________________________________________________________________________
/ COORDINATE SYSTEM DEFINITIONS

  CoordSys            1  "Global XYZ"  GlobalXYZ

  CoordSys            2  "carichi"  RectXYZ
   0.00000000000000E+0     1.08600000000000E+1     0.00000000000000E+0


/ _____________________________________________________________________________
/ NODE COORDINATES

  Node                1     0   -1.94830000000000E+0     3.33290000000000E+0     0.00000000000000E+0
  Node                2     0   -1.85947466801228E+0     3.38326015242999E+0     0.00000000000000E+0
  Node                3     0   -1.76934854991663E+0     3.43125356231625E+0     0.00000000000000E+0
```

Node	4	0	-1.67798469298355E+0	3.47684665611138E+0	0.00000000000000E+0
Node	5	0	-1.58544701033748E+0	3.52000753939703E+0	0.00000000000000E+0
Node	6	0	-1.49180023624673E+0	3.56070601919538E+0	0.00000000000000E+0
Node	7	0	-1.39710988083890E+0	3.59891362509054E+0	0.00000000000000E+0
Node	8	0	-1.30144218427364E+0	3.63460362914487E+0	0.00000000000000E+0
Node	9	0	-1.20486407040466E+0	3.66775106459638E+0	0.00000000000000E+0
Node	10	0	-1.10744309996351E+0	3.69833274332411E+0	0.00000000000000E+0
Node	11	0	-1.00924742329778E+0	3.72632727206921E+0	0.00000000000000E+0
Node	12	0	-9.10345732696894E-1	3.75171506740058E+0	0.00000000000000E+0
Node	13	0	-8.10807214338750E-1	3.77447836941427E+0	0.00000000000000E+0
Node	14	0	-7.10701499890891E-1	3.79460125415739E+0	0.00000000000000E+0
Node	15	0	-6.10098617800016E-1	3.81206964476759E+0	0.00000000000000E+0
Node	16	0	-5.09068944303938E-1	3.82687132132050E+0	0.00000000000000E+0
Node	17	0	-4.07683154200238E-1	3.83899592937806E+0	0.00000000000000E+0
Node	18	0	-3.06012171406074E-1	3.84843498723200E+0	0.00000000000000E+0
Node	19	0	-2.04127119343708E-1	3.85518189183707E+0	0.00000000000000E+0
Node	20	0	-1.02099271186475E-1	3.85923192343026E+0	0.00000000000000E+0
Node	21	0	-3.80446542325164E-16	3.86058224883242E+0	0.00000000000000E+0
Node	22	0	1.02099271186474E-1	3.85923192343026E+0	0.00000000000000E+0
Node	23	0	2.04127119343707E-1	3.85518189183707E+0	0.00000000000000E+0
Node	24	0	3.06012171406073E-1	3.84843498723200E+0	0.00000000000000E+0
Node	25	0	4.07683154200237E-1	3.83899592937806E+0	0.00000000000000E+0
Node	26	0	5.09068944303936E-1	3.82687132132050E+0	0.00000000000000E+0
Node	27	0	6.10098617800015E-1	3.81206964476759E+0	0.00000000000000E+0
Node	28	0	7.10701499890890E-1	3.79460125415739E+0	0.00000000000000E+0
Node	29	0	8.10807214338749E-1	3.77447836941427E+0	0.00000000000000E+0
Node	30	0	9.10345732696893E-1	3.75171506740058E+0	0.00000000000000E+0
Node	31	0	1.00924742329778E+0	3.72632727206921E+0	0.00000000000000E+0
Node	32	0	1.10744309996351E+0	3.69833274332411E+0	0.00000000000000E+0
Node	33	0	1.20486407040466E+0	3.66775106459638E+0	0.00000000000000E+0
Node	34	0	1.30144218427364E+0	3.63460362914487E+0	0.00000000000000E+0
Node	35	0	1.39710988083890E+0	3.59891362509054E+0	0.00000000000000E+0
Node	36	0	1.49180023624673E+0	3.56070601919538E+0	0.00000000000000E+0
Node	37	0	1.58544701033748E+0	3.52000753939703E+0	0.00000000000000E+0
Node	38	0	1.67798469298354E+0	3.47684665611138E+0	0.00000000000000E+0
Node	39	0	1.76934854991663E+0	3.43125356231625E+0	0.00000000000000E+0
Node	40	0	1.85947466801228E+0	3.38326015242999E+0	0.00000000000000E+0
Node	41	0	1.94830000000000E+0	3.33290000000000E+0	0.00000000000000E+0
Node	42	0	2.11546000000000E+0	3.20923000000000E+0	0.00000000000000E+0
Node	43	0	2.28262000000000E+0	3.08556000000000E+0	0.00000000000000E+0
Node	44	0	2.44978000000000E+0	2.96189000000000E+0	0.00000000000000E+0
Node	45	0	2.61694000000000E+0	2.83822000000000E+0	0.00000000000000E+0
Node	46	0	2.78410000000000E+0	2.71455000000000E+0	0.00000000000000E+0
Node	47	0	2.95126000000000E+0	2.59088000000000E+0	0.00000000000000E+0
Node	48	0	3.11842000000000E+0	2.46721000000000E+0	0.00000000000000E+0
Node	49	0	3.28558000000000E+0	2.34354000000000E+0	0.00000000000000E+0
Node	50	0	3.45274000000000E+0	2.21987000000000E+0	0.00000000000000E+0
Node	51	0	3.61990000000000E+0	2.09620000000000E+0	0.00000000000000E+0
Node	52	0	0.00000000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	53	0	-2.11546000000000E+0	3.20923000000000E+0	0.00000000000000E+0
Node	54	0	-2.28262000000000E+0	3.08556000000000E+0	0.00000000000000E+0
Node	55	0	-2.44978000000000E+0	2.96189000000000E+0	0.00000000000000E+0
Node	56	0	-2.61694000000000E+0	2.83822000000000E+0	0.00000000000000E+0
Node	57	0	-2.78410000000000E+0	2.71455000000000E+0	0.00000000000000E+0
Node	58	0	-2.95126000000000E+0	2.59088000000000E+0	0.00000000000000E+0
Node	59	0	-3.11842000000000E+0	2.46721000000000E+0	0.00000000000000E+0
Node	60	0	-3.28558000000000E+0	2.34354000000000E+0	0.00000000000000E+0
Node	61	0	-3.45274000000000E+0	2.21987000000000E+0	0.00000000000000E+0
Node	62	0	-3.61990000000000E+0	2.09620000000000E+0	0.00000000000000E+0
Node	63	0	3.66914272971283E+0	1.89024296185021E+0	0.00000000000000E+0
Node	64	0	3.71328302196233E+0	1.68313240539995E+0	0.00000000000000E+0
Node	65	0	3.75229394019274E+0	1.47499471959599E+0	0.00000000000000E+0
Node	66	0	3.78615167804214E+0	1.26595692018946E+0	0.00000000000000E+0
Node	67	0	3.81483557387019E+0	1.05614657222461E+0	0.00000000000000E+0
Node	68	0	3.83832812336690E+0	8.45691712192458E-1	0.00000000000000E+0
Node	69	0	3.85661499023460E+0	6.34720769896678E-1	0.00000000000000E+0

Node	70	0	3.86968501493665E+0	4.23362490079458E-1	0.00000000000000E+0
Node	71	0	3.87753022150753E+0	2.11745853855208E-1	0.00000000000000E+0
Node	72	0	3.88015000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	73	0	-3.66914272971283E+0	1.89024296185021E+0	0.00000000000000E+0
Node	74	0	-3.71328302196233E+0	1.68313240539995E+0	0.00000000000000E+0
Node	75	0	-3.75229394019274E+0	1.47499471959599E+0	0.00000000000000E+0
Node	76	0	-3.78615167804214E+0	1.26595692018946E+0	0.00000000000000E+0
Node	77	0	-3.81483557387019E+0	1.05614657222461E+0	0.00000000000000E+0
Node	78	0	-3.83832812336690E+0	8.45691712192458E-1	0.00000000000000E+0
Node	79	0	-3.85661499023460E+0	6.34720769896678E-1	0.00000000000000E+0
Node	80	0	-3.86968501493665E+0	4.23362490079458E-1	0.00000000000000E+0
Node	81	0	-3.87753022150753E+0	2.11745853855208E-1	0.00000000000000E+0
Node	82	0	-3.88015000000000E+0	0.00000000000000E+0	0.00000000000000E+0
Node	83	0	-3.49550000000000E+0	-3.56270000000000E+0	0.00000000000000E+0
Node	84	0	-3.33230782624253E+0	-3.60057547048123E+0	0.00000000000000E+0
Node	85	0	-3.16879248559635E+0	-3.63703051420949E+0	0.00000000000000E+0
Node	86	0	-3.00496634122818E+0	-3.67206237486980E+0	0.00000000000000E+0
Node	87	0	-2.84084177980416E+0	-3.70566840375206E+0	0.00000000000000E+0
Node	88	0	-2.67643121055332E+0	-3.73784605995134E+0	0.00000000000000E+0
Node	89	0	-2.51174706432936E+0	-3.76859291055994E+0	0.00000000000000E+0
Node	90	0	-2.34680179267073E+0	-3.79790663085141E+0	0.00000000000000E+0
Node	91	0	-2.18160786685924E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	92	0	-2.01617777697708E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	93	0	-1.85052403096246E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	94	0	-1.68465915366393E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	95	0	-1.51859568589340E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	96	0	-1.35234618347790E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	97	0	-1.18592321631029E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	98	0	-1.01933936739887E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	99	0	-8.52607231915959E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	100	0	-6.85739416245641E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	101	0	-5.18748537030578E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	102	0	-3.51647220218097E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	103	0	-1.84448100105556E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	104	0	-1.71638183850854E-2	-3.79790000000000E+0	0.00000000000000E+0
Node	105	0	3.49550000000000E+0	-3.56270000000000E+0	0.00000000000000E+0
Node	106	0	3.53876190604596E+0	-3.38827494401322E+0	0.00000000000000E+0
Node	107	0	3.57939848608508E+0	-3.21321963551490E+0	0.00000000000000E+0
Node	108	0	3.61740056791651E+0	-3.03757358674864E+0	0.00000000000000E+0
Node	109	0	3.65275957397965E+0	-2.86137644329578E+0	0.00000000000000E+0
Node	110	0	3.68546752329024E+0	-2.68466797512683E+0	0.00000000000000E+0
Node	111	0	3.71551703324176E+0	-2.50748806762490E+0	0.00000000000000E+0
Node	112	0	3.74290132127180E+0	-2.32987671258303E+0	0.00000000000000E+0
Node	113	0	3.76761420639292E+0	-2.15187399917756E+0	0.00000000000000E+0
Node	114	0	3.78965011058784E+0	-1.97352010491945E+0	0.00000000000000E+0
Node	115	0	3.81400406006844E+0	-1.79485528658573E+0	0.00000000000000E+0
Node	116	0	3.83567168639838E+0	-1.61591987113298E+0	0.00000000000000E+0
Node	117	0	3.84464922747919E+0	-1.43675424659509E+0	0.00000000000000E+0
Node	118	0	3.85593352839935E+0	-1.25739885296706E+0	0.00000000000000E+0
Node	119	0	3.86452204214643E+0	-1.07789417307727E+0	0.00000000000000E+0
Node	120	0	3.87541283018197E+0	-8.98280723449910E-1	0.00000000000000E+0
Node	121	0	3.87860456287904E+0	-7.18599045159911E-1	0.00000000000000E+0
Node	122	0	3.87909651982237E+0	-5.38889694682297E-1	0.00000000000000E+0
Node	123	0	3.87688858997090E+0	-3.59193234738058E-1	0.00000000000000E+0
Node	124	0	3.88198127168293E+0	-1.79550225138629E-1	0.00000000000000E+0
Node	125	0	3.33230782624253E+0	-3.60057547048123E+0	0.00000000000000E+0
Node	126	0	3.16879248559635E+0	-3.63703051420949E+0	0.00000000000000E+0
Node	127	0	3.00496634122818E+0	-3.67206237486980E+0	0.00000000000000E+0
Node	128	0	2.84084177980416E+0	-3.70566840375206E+0	0.00000000000000E+0
Node	129	0	2.67643121055332E+0	-3.73784605995134E+0	0.00000000000000E+0
Node	130	0	2.51174706432936E+0	-3.76859291055994E+0	0.00000000000000E+0
Node	131	0	2.34680179267073E+0	-3.79790663085141E+0	0.00000000000000E+0
Node	132	0	2.18160786685924E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	133	0	2.01617777697708E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	134	0	1.85052403096246E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	135	0	1.68465915366393E+0	-3.79790000000000E+0	0.00000000000000E+0

Node	136	0	1.51859568589340E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	137	0	1.35234618347790E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	138	0	1.18592321631029E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	139	0	1.01933936739887E+0	-3.79790000000000E+0	0.00000000000000E+0
Node	140	0	8.52607231915959E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	141	0	6.85739416245641E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	142	0	5.18748537030578E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	143	0	3.51647220218097E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	144	0	1.84448100105556E-1	-3.79790000000000E+0	0.00000000000000E+0
Node	145	0	1.71638183850854E-2	-3.79790000000000E+0	0.00000000000000E+0
Node	146	0	-3.53876190604596E+0	-3.38827494401322E+0	0.00000000000000E+0
Node	147	0	-3.57939848608508E+0	-3.21321963551490E+0	0.00000000000000E+0
Node	148	0	-3.61740056791651E+0	-3.03757358674864E+0	0.00000000000000E+0
Node	149	0	-3.65275957397965E+0	-2.86137644329578E+0	0.00000000000000E+0
Node	150	0	-3.68546752329024E+0	-2.68466797512683E+0	0.00000000000000E+0
Node	151	0	-3.71551703324176E+0	-2.50748806762490E+0	0.00000000000000E+0
Node	152	0	-3.74290132127180E+0	-2.32987671258303E+0	0.00000000000000E+0
Node	153	0	-3.76761420639292E+0	-2.15187399917756E+0	0.00000000000000E+0
Node	154	0	-3.78965011058784E+0	-1.97352010491945E+0	0.00000000000000E+0
Node	155	0	-3.81400406006844E+0	-1.79485528658573E+0	0.00000000000000E+0
Node	156	0	-3.83567168639838E+0	-1.61591987113298E+0	0.00000000000000E+0
Node	157	0	-3.84464922747919E+0	-1.43675424659509E+0	0.00000000000000E+0
Node	158	0	-3.85593352839935E+0	-1.25739885296706E+0	0.00000000000000E+0
Node	159	0	-3.86452204214643E+0	-1.07789417307727E+0	0.00000000000000E+0
Node	160	0	-3.87541283018197E+0	-8.98280723449910E-1	0.00000000000000E+0
Node	161	0	-3.87860456287904E+0	-7.18599045159911E-1	0.00000000000000E+0
Node	162	0	-3.87909651982237E+0	-5.38889694682297E-1	0.00000000000000E+0
Node	163	0	-3.87688858997090E+0	-3.59193234738058E-1	0.00000000000000E+0
Node	164	0	-3.88198127168293E+0	-1.79550225138629E-1	0.00000000000000E+0

/ _____

/ BEAM ELEMENTS

Beam	1	0	3	1	2	1
Beam	2	0	3	1	3	2
Beam	3	0	3	1	4	3
Beam	4	0	3	1	5	4
Beam	5	0	3	1	6	5
Beam	6	0	3	1	7	6
Beam	7	0	3	1	8	7
Beam	8	0	3	1	9	8
Beam	9	0	3	1	10	9
Beam	10	0	3	1	11	10
Beam	11	0	3	1	12	11
Beam	12	0	3	1	13	12
Beam	13	0	3	1	14	13
Beam	14	0	3	1	15	14
Beam	15	0	3	1	16	15
Beam	16	0	3	1	17	16
Beam	17	0	3	1	18	17
Beam	18	0	3	1	19	18
Beam	19	0	3	1	20	19
Beam	20	0	3	1	21	20
Beam	21	0	3	1	22	21
Beam	22	0	3	1	23	22
Beam	23	0	3	1	24	23
Beam	24	0	3	1	25	24
Beam	25	0	3	1	26	25
Beam	26	0	3	1	27	26
Beam	27	0	3	1	28	27
Beam	28	0	3	1	29	28
Beam	29	0	3	1	30	29
Beam	30	0	3	1	31	30
Beam	31	0	3	1	32	31
Beam	32	0	3	1	33	32
Beam	33	0	3	1	34	33

Beam	34	0	3	1	35	34
Beam	35	0	3	1	36	35
Beam	36	0	3	1	37	36
Beam	37	0	3	1	38	37
Beam	38	0	3	1	39	38
Beam	39	0	3	1	40	39
Beam	40	0	3	1	41	40
Beam	41	0	4	2	42	41
Beam	42	0	4	3	43	42
Beam	43	0	4	4	44	43
Beam	44	0	4	5	45	44
Beam	45	0	4	6	46	45
Beam	46	0	4	7	47	46
Beam	47	0	4	8	48	47
Beam	48	0	4	9	49	48
Beam	49	0	4	10	50	49
Beam	50	0	4	11	51	50
Beam	51	0	4	2	1	53
Beam	52	0	4	3	53	54
Beam	53	0	4	4	54	55
Beam	54	0	4	5	55	56
Beam	55	0	4	6	56	57
Beam	56	0	4	7	57	58
Beam	57	0	4	8	58	59
Beam	58	0	4	9	59	60
Beam	59	0	4	10	60	61
Beam	60	0	4	11	61	62
Beam	61	0	6	10	63	51
Beam	62	0	6	9	64	63
Beam	63	0	6	8	65	64
Beam	64	0	6	7	66	65
Beam	65	0	6	6	67	66
Beam	66	0	6	5	68	67
Beam	67	0	6	4	69	68
Beam	68	0	6	3	70	69
Beam	69	0	6	2	71	70
Beam	70	0	6	1	72	71
Beam	71	0	6	10	62	73
Beam	72	0	6	9	73	74
Beam	73	0	6	8	74	75
Beam	74	0	6	7	75	76
Beam	75	0	6	6	76	77
Beam	76	0	6	5	77	78
Beam	77	0	6	4	78	79
Beam	78	0	6	3	79	80
Beam	79	0	6	2	80	81
Beam	80	0	6	1	81	82
Beam	81	0	8	27	83	84
Beam	82	0	8	28	84	85
Beam	83	0	8	29	85	86
Beam	84	0	8	30	86	87
Beam	85	0	8	31	87	88
Beam	86	0	8	32	88	89
Beam	87	0	8	1	89	90
Beam	88	0	8	1	90	91
Beam	89	0	8	1	91	92
Beam	90	0	8	1	92	93
Beam	91	0	8	1	93	94
Beam	92	0	8	1	94	95
Beam	93	0	8	1	95	96
Beam	94	0	8	1	96	97
Beam	95	0	8	1	97	98
Beam	96	0	8	1	98	99
Beam	97	0	8	1	99	100
Beam	98	0	8	1	100	101
Beam	99	0	8	1	101	102

Beam	100	0	8	1	102	103
Beam	101	0	8	1	103	104
Beam	102	0	7	27	105	106
Beam	103	0	7	50	106	107
Beam	104	0	7	49	107	108
Beam	105	0	7	48	108	109
Beam	106	0	7	47	109	110
Beam	107	0	7	46	110	111
Beam	108	0	7	45	111	112
Beam	109	0	7	44	112	113
Beam	110	0	7	43	113	114
Beam	111	0	7	42	114	115
Beam	112	0	7	41	115	116
Beam	113	0	7	40	116	117
Beam	114	0	7	39	117	118
Beam	115	0	7	38	118	119
Beam	116	0	7	37	119	120
Beam	117	0	7	36	120	121
Beam	118	0	7	35	121	122
Beam	119	0	7	34	122	123
Beam	120	0	7	33	123	124
Beam	121	0	7	1	124	72
Beam	122	0	8	27	125	105
Beam	123	0	8	28	126	125
Beam	124	0	8	29	127	126
Beam	125	0	8	30	128	127
Beam	126	0	8	31	129	128
Beam	127	0	8	32	130	129
Beam	128	0	8	1	131	130
Beam	129	0	8	1	132	131
Beam	130	0	8	1	133	132
Beam	131	0	8	1	134	133
Beam	132	0	8	1	135	134
Beam	133	0	8	1	136	135
Beam	134	0	8	1	137	136
Beam	135	0	8	1	138	137
Beam	136	0	8	1	139	138
Beam	137	0	8	1	140	139
Beam	138	0	8	1	141	140
Beam	139	0	8	1	142	141
Beam	140	0	8	1	143	142
Beam	141	0	8	1	144	143
Beam	142	0	8	1	145	144
Beam	143	0	7	27	146	83
Beam	144	0	7	50	147	146
Beam	145	0	7	49	148	147
Beam	146	0	7	48	149	148
Beam	147	0	7	47	150	149
Beam	148	0	7	46	151	150
Beam	149	0	7	45	152	151
Beam	150	0	7	44	153	152
Beam	151	0	7	43	154	153
Beam	152	0	7	42	155	154
Beam	153	0	7	41	156	155
Beam	154	0	7	40	157	156
Beam	155	0	7	39	158	157
Beam	156	0	7	38	159	158
Beam	157	0	7	37	160	159
Beam	158	0	7	36	161	160
Beam	159	0	7	35	162	161
Beam	160	0	7	34	163	162
Beam	161	0	7	33	164	163
Beam	162	0	7	1	82	164
Beam	163	0	8	1	104	145

/ _____

/ BEAM SUPPORTS
/ Freedom Case 1

BmSupport	1	1	0.000000000000000E+0	8.140000000000000E+2	CompOnly
BmSupport	1	2	0.000000000000000E+0	8.140000000000000E+2	CompOnly
BmSupport	1	3	0.000000000000000E+0	8.140000000000000E+2	CompOnly
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BmSupport	1	9	0.000000000000000E+0	8.140000000000000E+2	CompOnly
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BmSupport	1	69	0.00000000000000E+0	4.18600000000000E+3	CompOnly
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BmSupport	1	71	0.00000000000000E+0	4.18600000000000E+3	CompOnly
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BmSupport	1	76	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	77	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	78	0.00000000000000E+0	4.18600000000000E+3	CompOnly
BmSupport	1	79	0.00000000000000E+0	4.18600000000000E+3	CompOnly
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BmSupport	1	81	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	82	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	83	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	84	0.00000000000000E+0	8.20646364281163E+5	CompOnly
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BmSupport	1	86	0.00000000000000E+0	8.20646364281163E+5	CompOnly
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BmSupport	1	89	0.00000000000000E+0	8.20646364281163E+5	CompOnly
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BmSupport	1	91	0.00000000000000E+0	8.20646364281163E+5	CompOnly
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BmSupport	1	94	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	95	0.00000000000000E+0	8.20646364281163E+5	CompOnly
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BmSupport	1	99	0.00000000000000E+0	8.20646364281163E+5	CompOnly
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BmSupport	1	101	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	102	0.00000000000000E+0	1.49579927300000E+6	CompOnly
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BmSupport	1	104	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	105	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	106	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	107	0.00000000000000E+0	1.49579927300000E+6	CompOnly
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BmSupport	1	111	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	112	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	113	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	114	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	115	0.00000000000000E+0	1.49579927300000E+6	CompOnly
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BmSupport	1	118	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	119	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	120	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	121	0.00000000000000E+0	1.49579927300000E+6	CompOnly
BmSupport	1	122	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	123	0.00000000000000E+0	8.20646364281163E+5	CompOnly
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BmSupport	1	127	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	128	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	129	0.00000000000000E+0	8.20646364281163E+5	CompOnly
BmSupport	1	130	0.00000000000000E+0	8.20646364281163E+5	CompOnly

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  BmSupport          1   131   0.00000000000000E+0    8.20646364281163E+5    CompOnly
  BmSupport          1   132   0.00000000000000E+0    8.20646364281163E+5    CompOnly
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  BmSupport          1   137   0.00000000000000E+0    8.20646364281163E+5    CompOnly
  BmSupport          1   138   0.00000000000000E+0    8.20646364281163E+5    CompOnly
  BmSupport          1   139   0.00000000000000E+0    8.20646364281163E+5    CompOnly
  BmSupport          1   140   0.00000000000000E+0    8.20646364281163E+5    CompOnly
  BmSupport          1   141   0.00000000000000E+0    8.20646364281163E+5    CompOnly
  BmSupport          1   142   0.00000000000000E+0    8.20646364281200E+5    CompOnly
  BmSupport          1   143   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   144   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   145   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   146   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   147   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   148   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   149   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   150   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   151   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   152   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   153   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   154   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   155   0.00000000000000E+0    1.49579927300000E+6    CompOnly
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  BmSupport          1   157   0.00000000000000E+0    1.49579927300000E+6    CompOnly
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  BmSupport          1   160   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   161   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   162   0.00000000000000E+0    1.49579927300000E+6    CompOnly
  BmSupport          1   163   0.00000000000000E+0    8.20646364281200E+5    CompOnly

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ P_cop
  BmDistLoadG        2    1    Y    1  -1.50038398475700E+2   -1.50038398475700E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    2    Y    1  -1.49054862852538E+2   -1.49054862852538E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    3    Y    1  -1.48118997815724E+2   -1.48118997815724E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    4    Y    1  -1.47231458044916E+2   -1.47231458044916E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    5    Y    1  -1.46392864414076E+2   -1.46392864414076E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    6    Y    1  -1.45603803557141E+2   -1.45603803557141E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    7    Y    1  -1.44864827457646E+2   -1.44864827457646E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    8    Y    1  -1.44176453062587E+2   -1.44176453062587E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2    9    Y    1  -1.43539161920795E+2   -1.43539161920795E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2   10    Y    1  -1.42953399846067E+2   -1.42953399846067E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2   11    Y    1  -1.42419576605302E+2   -1.42419576605302E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2   12    Y    1  -1.41938065631851E+2   -1.41938065631851E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2   13    Y    1  -1.41509203764283E+2   -1.41509203764283E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
  BmDistLoadG        2   14    Y    1  -1.41133291010750E+2   -1.41133291010750E+2   0.00000000000000E+0   0.00000000000000E+0
0.00000000000000E+0   0.00000000000000E+0
```

BmDistLoadG 2 15 Y 1 -1.40810590339119E+2 -1.40810590339119E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 16 Y 1 -1.40541327493014E+2 -1.40541327493014E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 17 Y 1 -1.40325690833899E+2 -1.40325690833899E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 18 Y 1 -1.40163831209309E+2 -1.40163831209309E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 19 Y 1 -1.40055861847327E+2 -1.40055861847327E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 20 Y 1 -1.40001858277373E+2 -1.40001858277373E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 21 Y 1 -1.40001858277373E+2 -1.40001858277373E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 22 Y 1 -1.40055861847327E+2 -1.40055861847327E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 23 Y 1 -1.40163831209309E+2 -1.40163831209309E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 24 Y 1 -1.40325690833899E+2 -1.40325690833899E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 25 Y 1 -1.40541327493014E+2 -1.40541327493014E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 26 Y 1 -1.40810590339119E+2 -1.40810590339119E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 27 Y 1 -1.41133291010750E+2 -1.41133291010750E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 28 Y 1 -1.41509203764283E+2 -1.41509203764283E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 29 Y 1 -1.41938065631851E+2 -1.41938065631851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 30 Y 1 -1.42419576605302E+2 -1.42419576605302E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 31 Y 1 -1.42953399846067E+2 -1.42953399846067E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 32 Y 1 -1.43539161920795E+2 -1.43539161920795E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 33 Y 1 -1.44176453062587E+2 -1.44176453062587E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 34 Y 1 -1.44864827457646E+2 -1.44864827457646E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 35 Y 1 -1.45603803557141E+2 -1.45603803557141E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 36 Y 1 -1.46392864414076E+2 -1.46392864414076E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 37 Y 1 -1.47231458044916E+2 -1.47231458044916E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 38 Y 1 -1.48118997815724E+2 -1.48118997815724E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 39 Y 1 -1.49054862852538E+2 -1.49054862852538E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 40 Y 1 -1.50038398475700E+2 -1.50038398475700E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 41 Y 1 -1.51778700000000E+2 -1.51778700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 42 Y 1 -1.54252100000000E+2 -1.54252100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 43 Y 1 -1.56725500000000E+2 -1.56725500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 44 Y 1 -1.59198900000000E+2 -1.59198900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 45 Y 1 -1.61672300000000E+2 -1.61672300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 46 Y 1 -1.64145700000000E+2 -1.64145700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 47 Y 1 -1.66619100000000E+2 -1.66619100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 2 48 Y 1 -1.69092500000000E+2 -1.69092500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 49 Y 1 -1.71565900000000E+2 -1.71565900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 50 Y 1 -1.74039300000000E+2 -1.74039300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 51 Y 1 -1.51778700000000E+2 -1.51778700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 52 Y 1 -1.54252100000000E+2 -1.54252100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 53 Y 1 -1.56725500000000E+2 -1.56725500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 54 Y 1 -1.59198900000000E+2 -1.59198900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 55 Y 1 -1.61672300000000E+2 -1.61672300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 56 Y 1 -1.64145700000000E+2 -1.64145700000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 57 Y 1 -1.66619100000000E+2 -1.66619100000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 58 Y 1 -1.69092500000000E+2 -1.69092500000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 59 Y 1 -1.71565900000000E+2 -1.71565900000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 2 60 Y 1 -1.74039300000000E+2 -1.74039300000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ SP_sx
BmDistLoadG 3 1 X 1 8.70222711159060E+1 8.70222711159060E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 2 X 1 8.64518204544718E+1 8.64518204544718E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 3 X 1 8.59090187331197E+1 8.59090187331197E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 4 X 1 8.53942456660512E+1 8.53942456660512E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 5 X 1 8.49078613601640E+1 8.49078613601640E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 6 X 1 8.44502060631416E+1 8.44502060631416E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 7 X 1 8.40215999254346E+1 8.40215999254346E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 8 X 1 8.36223427763007E+1 8.36223427763007E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 9 X 1 8.32527139140611E+1 8.32527139140611E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 10 X 1 8.29129719107187E+1 8.29129719107187E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 11 X 1 8.26033544310752E+1 8.26033544310752E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 12 X 1 8.23240780664738E+1 8.23240780664738E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 13 X 1 8.20753381832843E+1 8.20753381832843E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 14 X 1 8.18573087862351E+1 8.18573087862351E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 15 X 1 8.16701423966891E+1 8.16701423966891E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 16 X 1 8.15139699459483E+1 8.15139699459483E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 17 X 1 8.13889006836616E+1 8.13889006836616E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 18 X 1 8.12950221013994E+1 8.12950221013994E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 3 19 X 1 8.12323998714495E+1 8.12323998714495E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 20 X 1 8.12010778008764E+1 8.12010778008764E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 51 X 1 8.80316460000000E+1 8.80316460000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 52 X 1 8.94662180000000E+1 8.94662180000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 53 X 1 9.09007900000000E+1 9.09007900000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 54 X 1 9.23353620000000E+1 9.23353620000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 55 X 1 9.37699340000000E+1 9.37699340000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 56 X 1 9.52045060000000E+1 9.52045060000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 57 X 1 9.66390780000000E+1 9.66390780000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 58 X 1 9.80736500000000E+1 9.80736500000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 59 X 1 9.95082220000000E+1 9.95082220000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 60 X 1 1.00942794000000E+2 1.00942794000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 71 X 1 1.02854630821268E+2 1.02854630821268E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 72 X 1 1.05250422869949E+2 1.05250422869949E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 73 X 1 1.07658862675023E+2 1.07658862675023E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 74 X 1 1.10078480489244E+2 1.10078480489244E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 75 X 1 1.12507799743998E+2 1.12507799743998E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 76 X 1 1.14945337950381E+2 1.14945337950381E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 77 X 1 1.17389607603883E+2 1.17389607603883E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 78 X 1 1.19839117092138E+2 1.19839117092138E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 79 X 1 1.22292371605178E+2 1.22292371605178E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 80 X 1 1.24747874047639E+2 1.24747874047639E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 143 X 1 1.66291654675277E+2 1.66291654675277E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 144 X 1 1.64264668561263E+2 1.64264668561263E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 145 X 1 1.62230600689128E+2 1.62230600689128E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 146 X 1 1.60189910174258E+2 1.60189910174258E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 147 X 1 1.58143057626851E+2 1.58143057626851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 148 X 1 1.56090505047960E+2 1.56090505047960E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 149 X 1 1.54032715725206E+2 1.54032715725206E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 150 X 1 1.51970154128211E+2 1.51970154128211E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 151 X 1 1.49903285803763E+2 1.49903285803763E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 152 X 1 1.47832577270730E+2 1.47832577270730E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 153 X 1 1.45758495914769E+2 1.45758495914769E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 3 154 X 1 1.43681509882823E+2 1.43681509882823E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 155 X 1 1.41602087977460E+2 1.41602087977460E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 156 X 1 1.39520699551057E+2 1.39520699551057E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 157 X 1 1.37437814399858E+2 1.37437814399858E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 158 X 1 1.35353902657937E+2 1.35353902657937E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 159 X 1 1.33269434691085E+2 1.33269434691085E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 160 X 1 1.31184880990638E+2 1.31184880990638E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 161 X 1 1.29100712067285E+2 1.29100712067285E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 3 162 X 1 1.27017391305804E+2 1.27017391305804E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ SP_dx
BmDistLoadG 4 21 X 1 -8.12010778008764E+1 -8.12010778008764E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 22 X 1 -8.12323998714495E+1 -8.12323998714495E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 23 X 1 -8.12950221013994E+1 -8.12950221013994E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 24 X 1 -8.13889006836616E+1 -8.13889006836616E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 25 X 1 -8.15139699459483E+1 -8.15139699459483E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 26 X 1 -8.16701423966891E+1 -8.16701423966891E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 27 X 1 -8.18573087862351E+1 -8.18573087862351E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 28 X 1 -8.20753381832843E+1 -8.20753381832843E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 29 X 1 -8.23240780664738E+1 -8.23240780664738E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 30 X 1 -8.26033544310752E+1 -8.26033544310752E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 31 X 1 -8.29129719107187E+1 -8.29129719107187E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 32 X 1 -8.32527139140611E+1 -8.32527139140611E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 33 X 1 -8.36223427763007E+1 -8.36223427763007E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 34 X 1 -8.40215999254346E+1 -8.40215999254346E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 35 X 1 -8.44502060631416E+1 -8.44502060631416E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 36 X 1 -8.49078613601640E+1 -8.49078613601640E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 37 X 1 -8.53942456660512E+1 -8.53942456660512E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 38 X 1 -8.59090187331197E+1 -8.59090187331197E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 39 X 1 -8.64518204544718E+1 -8.64518204544718E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 40 X 1 -8.70222711159060E+1 -8.70222711159060E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 41 X 1 -8.80316460000000E+1 -8.80316460000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 42 X 1 -8.94662180000000E+1 -8.94662180000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 43 X 1 -9.09007900000000E+1 -9.09007900000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 44 X 1 -9.23353620000000E+1 -9.23353620000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 45 X 1 -9.37699340000000E+1 -9.37699340000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 46 X 1 -9.52045060000000E+1 -9.52045060000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 47 X 1 -9.66390780000000E+1 -9.66390780000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 48 X 1 -9.80736500000000E+1 -9.80736500000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 49 X 1 -9.95082220000000E+1 -9.95082220000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 50 X 1 -1.00942794000000E+2 -1.00942794000000E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 61 X 1 -1.02854630821268E+2 -1.02854630821268E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 62 X 1 -1.05250422869949E+2 -1.05250422869949E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 63 X 1 -1.07658862675023E+2 -1.07658862675023E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 64 X 1 -1.10078480489244E+2 -1.10078480489244E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 65 X 1 -1.12507799743998E+2 -1.12507799743998E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 66 X 1 -1.14945337950381E+2 -1.14945337950381E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 67 X 1 -1.17389607603883E+2 -1.17389607603883E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 68 X 1 -1.19839117092138E+2 -1.19839117092138E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 69 X 1 -1.22292371605178E+2 -1.22292371605178E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 70 X 1 -1.24747874047639E+2 -1.24747874047639E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 102 X 1 -1.66291654675277E+2 -1.66291654675277E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 103 X 1 -1.64264668561263E+2 -1.64264668561263E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 104 X 1 -1.62230600689128E+2 -1.62230600689128E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 105 X 1 -1.60189910174258E+2 -1.60189910174258E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 106 X 1 -1.58143057626851E+2 -1.58143057626851E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 107 X 1 -1.56090505047960E+2 -1.56090505047960E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 108 X 1 -1.54032715725206E+2 -1.54032715725206E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 109 X 1 -1.51970154128211E+2 -1.51970154128211E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 110 X 1 -1.49903285803763E+2 -1.49903285803763E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 111 X 1 -1.47832577270730E+2 -1.47832577270730E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 112 X 1 -1.45758495914769E+2 -1.45758495914769E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 113 X 1 -1.43681509882823E+2 -1.43681509882823E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 114 X 1 -1.41602087977460E+2 -1.41602087977460E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 115 X 1 -1.39520699551057E+2 -1.39520699551057E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 116 X 1 -1.37437814399858E+2 -1.37437814399858E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 4 117 X 1 -1.35353902657937E+2 -1.35353902657937E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 118 X 1 -1.33269434691085E+2 -1.33269434691085E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 119 X 1 -1.31184880990638E+2 -1.31184880990638E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 120 X 1 -1.29100712067285E+2 -1.29100712067285E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 4 121 X 1 -1.27017391305804E+2 -1.27017391305804E+2 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

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/ BEAM GLOBAL DISTRIBUTED LOADS
/ V
BmDistLoadG 5 1 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 2 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 3 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 4 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 5 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 6 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 7 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 8 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 9 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 10 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 11 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 12 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 13 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 14 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 15 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 16 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 17 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 18 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 19 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 20 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 21 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 22 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 23 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 24 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 25 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 26 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

BmDistLoadG 5 27 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 28 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 29 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 30 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 31 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 32 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 33 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 34 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 35 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 36 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 37 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 38 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 39 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 40 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 41 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 42 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 43 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 44 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 45 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 46 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 47 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 48 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 49 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 50 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 51 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 52 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 53 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 54 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 55 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 56 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 57 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 58 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
BmDistLoadG 5 59 Y 1 -2.00000000000000E+1 -2.00000000000000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

```
  BmDistLoadG         5    60    Y    1  -2.00000000000000E+1   -2.00000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0

/ _____________________________________________________________________________
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SV_sx
  BmDistLoadG         6     1    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     2    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     3    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     4    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     5    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     6    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     7    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     8    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6     9    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    10    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    11    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    12    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    13    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    14    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    15    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    16    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    17    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    18    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    19    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    20    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    21    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    51    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    52    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    53    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    54    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    55    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    56    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    57    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    58    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
  BmDistLoadG         6    59    X    1   1.16000000000000E+1    1.16000000000000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0
```

BmDistLoadG 6 60 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 71 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 72 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 73 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 74 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 75 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 76 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 77 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 78 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 79 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 80 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 143 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 144 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 145 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 146 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 147 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 148 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 149 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 150 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 151 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 152 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 153 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 154 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 155 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 156 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 157 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 158 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 159 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 160 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 161 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 6 162 X 1 1.160000000000000E+1 1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ SV_dx

BmDistLoadG 7 22 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 23 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 24 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 25 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 26 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 27 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 28 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 29 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 30 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 31 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 32 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 33 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 34 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 35 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 36 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 37 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 38 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 39 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 40 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 41 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 42 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 43 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 44 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 45 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 46 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 47 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 48 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 49 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 50 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 61 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 62 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0
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BmDistLoadG 7 64 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0

BmDistLoadG 7 65 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
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BmDistLoadG 7 66 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 67 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 68 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 69 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
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BmDistLoadG 7 70 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 102 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 103 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 104 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 105 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 106 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 107 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 108 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 109 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 110 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 111 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 112 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 113 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 114 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 115 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 116 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 117 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 118 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 119 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 120 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0
BmDistLoadG 7 121 X 1 -1.160000000000000E+1 -1.160000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ dS_h
BmDistLoadG 8 1 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 2 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 3 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 4 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 5 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected

BmDistLoadG 8 6 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 7 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 8 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 9 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 10 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 11 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 12 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 13 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 14 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 15 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 16 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 17 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 18 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 19 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 20 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 51 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 52 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 53 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 54 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 55 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 56 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 57 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 58 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 59 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 60 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 71 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 72 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 73 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 74 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 75 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 76 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 77 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 78 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 0.000000000000000E+0 Projected

BmDistLoadG 8 79 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 80 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 143 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 144 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 145 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 146 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 147 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 148 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 149 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 150 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 151 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 152 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 153 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 154 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 155 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 156 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 157 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 158 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 159 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 160 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 161 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 8 162 X 1 3.344000000000000E+1 3.344000000000000E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected

/ _____
/ BEAM GLOBAL DISTRIBUTED LOADS
/ dS_V
BmDistLoadG 9 1 Y 1 -1.567901264071O6E+1 -1.567901264071O6E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 2 Y 1 -1.557623316809O1E+1 -1.557623316809O1E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 3 Y 1 -1.547843527174O1E+1 -1.547843527174O1E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 4 Y 1 -1.538568736569O7E+1 -1.538568736569O7E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 5 Y 1 -1.529805433127O9E+1 -1.529805433127O9E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 6 Y 1 -1.521559747172I2E+1 -1.521559747172I2E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 7 Y 1 -1.513837446932I9E+1 -1.513837446932I9E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 8 Y 1 -1.506643934504O3E+1 -1.506643934504O3E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected
BmDistLoadG 9 9 Y 1 -1.499984242072I0E+1 -1.499984242072I0E+1 0.000000000000000E+0 0.000000000000000E+0
0.000000000000000E+0 0.000000000000000E+0 Projected

BmDistLoadG 9 10 Y 1 -1.49386302839139E+1 -1.49386302839139E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 11 Y 1 -1.48828457552540E+1 -1.48828457552540E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 12 Y 1 -1.48325278585284E+1 -1.48325278585284E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 13 Y 1 -1.47877117933676E+1 -1.47877117933676E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 14 Y 1 -1.47484289106233E+1 -1.47484289106233E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 15 Y 1 -1.47147066904379E+1 -1.47147066904379E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 16 Y 1 -1.46865687230200E+1 -1.46865687230200E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 17 Y 1 -1.46640346921424E+1 -1.46640346921424E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 18 Y 1 -1.46471203613728E+1 -1.46471203613728E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 19 Y 1 -1.46358375630456E+1 -1.46358375630456E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 20 Y 1 -1.46301941899855E+1 -1.46301941899855E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 21 Y 1 -1.46301941899855E+1 -1.46301941899855E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 22 Y 1 -1.46358375630456E+1 -1.46358375630456E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 23 Y 1 -1.46471203613728E+1 -1.46471203613728E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 24 Y 1 -1.46640346921424E+1 -1.46640346921424E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 25 Y 1 -1.46865687230200E+1 -1.46865687230200E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 26 Y 1 -1.47147066904379E+1 -1.47147066904379E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 27 Y 1 -1.47484289106233E+1 -1.47484289106233E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 28 Y 1 -1.47877117933676E+1 -1.47877117933676E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 29 Y 1 -1.48325278585284E+1 -1.48325278585284E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 30 Y 1 -1.48828457552540E+1 -1.48828457552540E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 31 Y 1 -1.49386302839139E+1 -1.49386302839139E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 32 Y 1 -1.49998424207230E+1 -1.49998424207230E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 33 Y 1 -1.50664393450403E+1 -1.50664393450403E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 34 Y 1 -1.51383744693239E+1 -1.51383744693239E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 35 Y 1 -1.52155974717212E+1 -1.52155974717212E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 36 Y 1 -1.52980543312709E+1 -1.52980543312709E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 37 Y 1 -1.53856873656937E+1 -1.53856873656937E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 38 Y 1 -1.54784352717431E+1 -1.54784352717431E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 39 Y 1 -1.55762331680901E+1 -1.55762331680901E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 40 Y 1 -1.56790126407106E+1 -1.56790126407106E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 41 Y 1 -1.58608741500000E+1 -1.58608741500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected
BmDistLoadG 9 42 Y 1 -1.61193444500000E+1 -1.61193444500000E+1 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0 Projected

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  BmDistLoadG          9    43    Y    1  -1.63778147500000E+1   -1.63778147500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    44    Y    1  -1.66362850500000E+1   -1.66362850500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    45    Y    1  -1.68947553500000E+1   -1.68947553500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    46    Y    1  -1.71532256500000E+1   -1.71532256500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    47    Y    1  -1.74116959500000E+1   -1.74116959500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    48    Y    1  -1.76701662500000E+1   -1.76701662500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    49    Y    1  -1.79286365500000E+1   -1.79286365500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    50    Y    1  -1.81871068500000E+1   -1.81871068500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    51    Y    1  -1.58608741500000E+1   -1.58608741500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    52    Y    1  -1.61193444500000E+1   -1.61193444500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    53    Y    1  -1.63778147500000E+1   -1.63778147500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    54    Y    1  -1.66362850500000E+1   -1.66362850500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    55    Y    1  -1.68947553500000E+1   -1.68947553500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    56    Y    1  -1.71532256500000E+1   -1.71532256500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    57    Y    1  -1.74116959500000E+1   -1.74116959500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    58    Y    1  -1.76701662500000E+1   -1.76701662500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    59    Y    1  -1.79286365500000E+1   -1.79286365500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected
  BmDistLoadG          9    60    Y    1  -1.81871068500000E+1   -1.81871068500000E+1    0.00000000000000E+0    0.00000000000000E+0
0.00000000000000E+0    0.00000000000000E+0    Projected

/ _____
/ BEAM PROPERTIES

  BeamProp             1   16737843   "Beam Property 1"
    MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
    Modulus           2.74600000000000E+4
    ShearMod          1.14420000000000E+4
    Poisson           2.00000000000000E-1
    UsePoisson        TRUE
    Density           2.40000000000000E+3
    Expansion         1.00000000000000E-5
    ThermalCond       1.37000000000000E+0
    SpecificHeat      8.80000000000000E+2
    InstantAlpha      FALSE
    Area              8.00000000000000E-1
    MomentI11         4.26666666670000E-2
    MomentI22         6.66666666670000E-2
    MomentJ           9.03304533330000E-2
    SectionType       SolidRect
      B               1.00000000000000E+0
      D               8.00000000000000E-1
      CT              FALSE
    TimeDependentMod  Elastic
    UseMomCurv        FALSE
    NonLinType        Elasticplastic
    Hardening         Isotropic

  BeamProp             2    3355647   "Beam Property 2"
    MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             8.670000000000000E-1
  MomentI11        5.430953025000000E-2
  MomentI22        7.225000000000000E-2
  MomentJ          1.070718532370000E-1
  SectionType      SolidRect
    B              1.000000000000000E+0
    D              8.670000000000000E-1
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp             3    3407692  "Beam Property 3"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             9.340000000000000E-1
  MomentI11        6.789837533300000E-2
  MomentI22        7.783333333300000E-2
  MomentJ          1.241026167420000E-1
  SectionType      SolidRect
    B              1.000000000000000E+0
    D              9.340000000000000E-1
    CT             FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp             4    3407846  "Beam Property 4"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.746000000000000E+4
  ShearMod         1.144200000000000E+4
  Poisson          2.000000000000000E-1
  UsePoisson       TRUE
  Density          2.400000000000000E+3
  Expansion        1.000000000000000E-5
  ThermalCond      1.370000000000000E+0
  SpecificHeat     8.800000000000000E+2
  InstantAlpha     FALSE
  Area             1.001000000000000E+0
  MomentI11        8.358358341700000E-2
  MomentI22        8.341666666700000E-2
  MomentJ          1.409826839830000E-1
  SectionType      SolidRect
    B              1.000000000000000E+0
    D              1.001000000000000E+0
    CT             FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              5    16757299   "Beam Property 5"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.06800000000000E+0
  MomentI11         1.01515536000000E-1
  MomentI22         8.90000000000000E-2
  MomentJ           1.62229712859000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.06800000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              6    16724966   "Beam Property 6"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.13500000000000E+0
  MomentI11         1.21844614583000E-1
  MomentI22         9.45833333330000E-2
  MomentJ           1.83604992658000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.13500000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              7     6750003   "Beam Property 7"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.20200000000000E+0
  MomentI11         1.44721200667000E-1
  MomentI22         1.00166666667000E-1
```

```
 MomentJ           2.05087077094000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.20200000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             8    3375359   "Beam Property 8"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.26900000000000E+0
 MomentI11         1.70295675750000E-1
 MomentI22         1.05750000000000E-1
 MomentJ           2.26659049120000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.26900000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             9   16724812   "Beam Property 9"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.33600000000000E+0
 MomentI11         1.98718421333000E-1
 MomentI22         1.11333333333000E-1
 MomentJ           2.48307385230000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.33600000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp            10    8401919   "Beam Property 10"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.40300000000000E+0
  MomentI11          2.30139818917000E-1
  MomentI22          1.16916666667000E-1
  MomentJ            2.70021145165000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.40300000000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             11    11730739   "Beam Property 11"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.47000000000000E+0
  MomentI11          2.64710250000000E-1
  MomentI22          1.22500000000000E-1
  MomentJ            2.91791383220000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.47000000000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             12     3394815   "Beam Property 12"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               6.00000000000000E-1
  MomentI11          1.80000000000000E-2
  MomentI22          5.00000000000000E-2
  MomentJ            4.61318400000000E-2
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 6.00000000000000E-1
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             13    16724889   "Beam Property 13"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             6.83300000000000E-1
  MomentI11        2.65860009610000E-2
  MomentI22        5.69416666670000E-2
  MomentJ          6.31470420770000E-2
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               6.83300000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           14   13382655  "Beam Property 14"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             7.66670000000000E-1
  MomentI11        3.75529589530000E-2
  MomentI22        6.38891666670000E-2
  MomentJ          8.22503849030000E-2
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               7.66670000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           15   16777011  "Beam Property 15"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             8.50000000000000E-1
  MomentI11        5.11770833330000E-2
  MomentI22        7.08333333330000E-2
  MomentJ          1.02777912917000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               8.50000000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp             16    3407769   "Beam Property 16"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              9.33330000000000E-1
  MomentI11         6.77523604960000E-2
  MomentI22         7.77775000000000E-2
  MomentJ           1.23932497010000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               9.33330000000000E-1
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp             17    15096878   "Beam Property 17"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.01667000000000E+0
  MomentI11         8.75706915920000E-2
  MomentI22         8.47225000000000E-2
  MomentJ           1.45939124429000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.01667000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp             18    3026662   "Beam Property 18"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.10000000000000E+0
  MomentI11         1.10916666667000E-1
  MomentI22         9.16666666670000E-2
```

```
 MomentJ           1.72424242424000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.10000000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             19    3073605   "Beam Property 19"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.18333000000000E+0
 MomentI11         1.38081780636000E-1
 MomentI22         9.86108333330000E-2
 MomentJ           1.99091261919000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.18333000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             20    3073743   "Beam Property 20"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
 ThermalCond       1.37000000000000E+0
 SpecificHeat      8.80000000000000E+2
 InstantAlpha      FALSE
 Area              1.26667000000000E+0
 MomentI11         1.69359361732000E-1
 MomentI22         1.05555833333000E-1
 MomentJ           2.25907507849000E-1
 SectionType       SolidRect
  B              1.00000000000000E+0
  D              1.26667000000000E+0
  CT             FALSE
 TimeDependentMod  Elastic
 UseMomCurv        FALSE
 NonLinType        Elasticplastic
 Hardening         Isotropic

BeamProp             21    15114542   "Beam Property 21"
 MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
 Modulus           2.74600000000000E+4
 ShearMod          1.14420000000000E+4
 Poisson           2.00000000000000E-1
 UsePoisson        TRUE
 Density           2.40000000000000E+3
 Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.35000000000000E+0
  MomentI11          2.05031250000000E-1
  MomentI22          1.12500000000000E-1
  MomentJ            2.52839506173000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.35000000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             22    15085263   "Beam Property 22"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.43333000000000E+0
  MomentI11          2.45390263276000E-1
  MomentI22          1.19444166667000E-1
  MomentJ            2.79869718046000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.43333000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             23    6088238   "Beam Property 23"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.51667000000000E+0
  MomentI11          2.90731469371000E-1
  MomentI22          1.26389166667000E-1
  MomentJ            3.06985212978000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.51667000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             24    3044326   "Beam Property 24"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.60000000000000E+0
  MomentI11        3.41333333333000E-1
  MomentI22        1.33333333333000E-1
  MomentJ          3.34166666667000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.60000000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp            25    15085125   "Beam Property 25"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.68330000000000E+0
  MomentI11        3.97469056795000E-1
  MomentI22        1.40275000000000E-1
  MomentJ          3.61397233609000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.68330000000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp            26     7548646   "Beam Property 26"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.76666700000000E+0
  MomentI11        4.59497173673000E-1
  MomentI22        1.47222250000000E-1
  MomentJ          3.88700318904000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.76666700000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              27    10610222   "Beam Property 27"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.54000000000000E+0
  MomentI11          3.04355333333000E-1
  MomentI22          1.28333333333000E-1
  MomentJ            3.14588744589000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.54000000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp              28     3061990   "Beam Property 28"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.41000000000000E+0
  MomentI11          2.33601750000000E-1
  MomentI22          1.17500000000000E-1
  MomentJ            2.72293144208000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.41000000000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp              29    15085194   "Beam Property 29"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.33000000000000E+0
  MomentI11          1.96053083333000E-1
  MomentI22          1.10833333333000E-1
```

```
  MomentJ           2.46365914787000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.33000000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            30    12070630   "Beam Property 30"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.20000000000000E+0
  MomentI11         1.44000000000000E-1
  MomentI22         1.00000000000000E-1
  MomentJ           2.04444444444000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.20000000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            31    15132206   "Beam Property 31"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.07000000000000E+0
  MomentI11         1.02086916667000E-1
  MomentI22         8.91666666670000E-2
  MomentJ           1.62866043614000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.07000000000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            32     3073674   "Beam Property 32"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
```

```
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.00000000000000E+0
  MomentI11          8.33333333330000E-2
  MomentI22          8.33333333330000E-2
  MomentJ            1.40666666667000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 1.00000000000000E+0
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             33    13390377   "Beam Property 33"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               8.38947000000000E-1
  MomentI11          4.92064835530000E-2
  MomentI22          6.99122500000000E-2
  MomentJ            9.99999072150000E-2
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 8.38947000000000E-1
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             34     2697676   "Beam Property 34"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               8.77895000000000E-1
  MomentI11          5.63827793820000E-2
  MomentI22          7.31579166670000E-2
  MomentJ            1.09834225012000E-1
  SectionType        SolidRect
   B                 1.00000000000000E+0
   D                 8.77895000000000E-1
   CT                FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp             35     2739261   "Beam Property 35"
  MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             9.16842000000000E-1
  MomentI11        6.42247250240000E-2
  MomentI22        7.64035000000000E-2
  MomentJ          1.19740757460000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               9.16842000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           36    2739384   "Beam Property 36"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             9.55789000000000E-1
  MomentI11        7.27620351820000E-2
  MomentI22        7.96490833330000E-2
  MomentJ          1.29620217916000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               9.55789000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp           37    13405993   "Beam Property 37"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             9.94737000000000E-1
  MomentI11        8.20244959770000E-2
  MomentI22        8.28947500000000E-2
  MomentJ          1.39366107904000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               9.94737000000000E-1
   CT              FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp              38    13380024   "Beam Property 38"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.03368400000000E+0
  MomentI11          9.20411711530000E-2
  MomentI22          8.61403333330000E-2
  MomentJ            1.51329836409000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.03368400000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp              39     5426217   "Beam Property 39"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.07263200000000E+0
  MomentI11          1.02842115472000E-1
  MomentI22          8.93860000000000E-2
  MomentJ            1.63703627284000E-1
  SectionType        SolidRect
    B                1.00000000000000E+0
    D                1.07263200000000E+0
    CT               FALSE
  TimeDependentMod   Elastic
  UseMomCurv         FALSE
  NonLinType         Elasticplastic
  Hardening          Isotropic

BeamProp              40     2713292   "Beam Property 40"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus            2.74600000000000E+4
  ShearMod           1.14420000000000E+4
  Poisson            2.00000000000000E-1
  UsePoisson         TRUE
  Density            2.40000000000000E+3
  Expansion          1.00000000000000E-5
  ThermalCond        1.37000000000000E+0
  SpecificHeat       8.80000000000000E+2
  InstantAlpha       FALSE
  Area               1.11157900000000E+0
  MomentI11          1.14456313677000E-1
  MomentI22          9.26315833330000E-2
```

```
  MomentJ           1.76119766938000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.11157900000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            41   13379901  "Beam Property 41"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.15052600000000E+0
  MomentI11         1.26913571640000E-1
  MomentI22         9.58771666670000E-2
  MomentJ           1.88574239573000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.15052600000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            42    6695372  "Beam Property 42"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.18947400000000E+0
  MomentI11         1.40243781816000E-1
  MomentI22         9.91228333330000E-2
  MomentJ           2.01063600851000E-1
  SectionType       SolidRect
    B               1.00000000000000E+0
    D               1.18947400000000E+0
    CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

BeamProp            43    9423913  "Beam Property 43"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
```

```
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.22842100000000E+0
 MomentI11          1.54475799069000E-1
 MomentI22          1.02368416667000E-1
 MomentJ            2.13583921484000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.22842100000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            44    2728908   "Beam Property 44"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.26736800000000E+0
 MomentI11          1.69639493071000E-1
 MomentI22          1.05614000000000E-1
 MomentJ            2.26132637988000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.26736800000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            45    13379962   "Beam Property 45"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
 Modulus            2.74600000000000E+4
 ShearMod           1.14420000000000E+4
 Poisson            2.00000000000000E-1
 UsePoisson         TRUE
 Density            2.40000000000000E+3
 Expansion          1.00000000000000E-5
 ThermalCond        1.37000000000000E+0
 SpecificHeat       8.80000000000000E+2
 InstantAlpha       FALSE
 Area               1.30631600000000E+0
 MomentI11          1.85764829183000E-1
 MomentI22          1.08859666667000E-1
 MomentJ            2.38707533720000E-1
 SectionType        SolidRect
  B                 1.00000000000000E+0
  D                 1.30631600000000E+0
  CT                FALSE
 TimeDependentMod   Elastic
 UseMomCurv         FALSE
 NonLinType         Elasticplastic
 Hardening          Isotropic

BeamProp            46    10693068   "Beam Property 46"
 MaterialName       "Concrete: Compressive Strength fc = 25 MPa"
```

```
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.34526300000000E+0
  MomentI11        2.02880518737000E-1
  MomentI22        1.12105250000000E-1
  MomentJ          2.51305717214000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.34526300000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp            47    13421609   "Beam Property 47"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.38421100000000E+0
  MomentI11        2.21016981042000E-1
  MomentI22        1.15350916667000E-1
  MomentJ          2.63925842356000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.38421100000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
  UseMomCurv       FALSE
  NonLinType       Elasticplastic
  Hardening        Isotropic

BeamProp            48     2739322   "Beam Property 48"
  MaterialName     "Concrete: Compressive Strength fc = 25 MPa"
  Modulus          2.74600000000000E+4
  ShearMod         1.14420000000000E+4
  Poisson          2.00000000000000E-1
  UsePoisson       TRUE
  Density          2.40000000000000E+3
  Expansion        1.00000000000000E-5
  ThermalCond      1.37000000000000E+0
  SpecificHeat     8.80000000000000E+2
  InstantAlpha     FALSE
  Area             1.42315800000000E+0
  MomentI11        2.40202824160000E-1
  MomentI22        1.18596500000000E-1
  MomentJ          2.76565486279000E-1
  SectionType      SolidRect
   B               1.00000000000000E+0
   D               1.42315800000000E+0
   CT              FALSE
  TimeDependentMod  Elastic
```

```
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

 BeamProp             49    11683620   "Beam Property 49"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.46210500000000E+0
  MomentI11         2.60468039268000E-1
  MomentI22         1.21842083333000E-1
  MomentJ           2.89223387063000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.46210500000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic

 BeamProp             50     2368690   "Beam Property 50"
  MaterialName      "Concrete: Compressive Strength fc = 25 MPa"
  Modulus           2.74600000000000E+4
  ShearMod          1.14420000000000E+4
  Poisson           2.00000000000000E-1
  UsePoisson        TRUE
  Density           2.40000000000000E+3
  Expansion         1.00000000000000E-5
  ThermalCond       1.37000000000000E+0
  SpecificHeat      8.80000000000000E+2
  InstantAlpha      FALSE
  Area              1.50105300000000E+0
  MomentI11         2.81842728401000E-1
  MomentI22         1.25087750000000E-1
  MomentJ           3.01898449246000E-1
  SectionType       SolidRect
   B                1.00000000000000E+0
   D                1.50105300000000E+0
   CT               FALSE
  TimeDependentMod  Elastic
  UseMomCurv        FALSE
  NonLinType        Elasticplastic
  Hardening         Isotropic


/ _____________________________________________________________________________
/ LINEAR STATIC SOLVER DATA

  LoadFreedomSetLSA       1   ON
    1     2     3     4     5     6     7     8
    9


/ _____________________________________________________________________________
/ LINEAR BUCKLING SOLVER DATA

  BuckNumModes          4
```

BuckShift 0.00000000000000E+0

/ _____
/ LOAD INFLUENCE SOLVER DATA

LoadFreedomSetLIA 1 ON
1

/ _____
/ NON-LINEAR STATIC SOLVER DATA

NonLinearIncrement 0 Yes "SLE-QP"
LON1 1.00000000000000E+0
LON2 1.00000000000000E+0
LON3 1.00000000000000E+0
LON4 1.00000000000000E+0
FON1 1.00000000000000E+0
LON5 0.00000000000000E+0
LON6 0.00000000000000E+0
LON7 0.00000000000000E+0

NonLinearStage Unstaged

/ _____
/ NATURAL FREQUENCY SOLVER DATA

FreqNumModes 4

FreqShift 0.00000000000000E+0

FreqIncludeNSMass 1 2 3 4 5 6 7 8
9

FreqModeParticipation FALSE
0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0
0.00000000000000E+0 0.00000000000000E+0 0.00000000000000E+0

/ _____
/ HEAT SOLVER DATA

LoadSetHeat 1 2 3 4 5 6 7 8
9

HeatTempLoadCase 1

HeatNonlinear FALSE

/ _____
/ GENERAL SOLVER DATA

SolverTempDependence None

SolverLoadCaseTempDependence 0

SolverActiveStage 0

SturmCheck FALSE

SolverFreedomCase 1

ModalLoadType BaseAcceleration

ModalNodeReactType Element

DampingType Rayleigh

RayleighFactors Frequency
1.000000000000000E+0 1.000000000000000E+1 1.000000000000000E+0 1.000000000000000E+1 1.000000000000000E-2
1.000000000000000E-2

NonLinearGeometry TRUE

NonLinearMaterial TRUE

IncludeCreep FALSE

SolverDefaultsGeneral
SolDefMatrixZeroDiag 1.000000000000000E-20
SolDefConjGradTol 1.000000000000000E-5
SolDefMaxConjGradIter 5000
SolDefMaxNumWarnings 10
SolDefWindowState 3
SolDefReducedLogFile TRUE
SolDefDoResidualsCheck FALSE
SolDefSuppressAllSingularities FALSE

SolverDefaultsElements
SolDefMinDimension 1.000000000000000E-9
SolDefMinInternalAngle 1.500000000000000E+1
SolDefZeroPointForce 1.000000000000000E-6
SolDefZeroDiagonal 1.000000000000000E-20
SolDefBeamMass Lumped
SolDefPlateMass Lumped
SolDefBrickMass Lumped
SolDefBeamLoads Consistent
SolDefPlateLoads Consistent
SolDefBeamSlices 5
SolDefIncludeLinkReactions TRUE

SolverDefaultsDrilling
SolDefZeroTrans 1.000000000000000E-8
SolDefZeroRot 1.000000000000000E-6
SolDrillStiffMult 1.000000000000000E-4
SolDrillZeroEig 1.000000000000000E-6
SolDefMaxNormalsAngle 5.000000000000000E+0
SolDefForceDrillingCheck FALSE

SolverDefaultsIteration
SolDefZeroDisp 1.000000000000000E-8
SolDefDispNormTol 1.000000000000000E-4
SolDefResidualsNormTol 1.000000000000000E-3
SolDefNonlinIterLimit 20
SolDefAddIterations TRUE
SolDefMaxUpdateInterval 5
SolDefMaxDispChange 1.000000000000000E+0
SolDefMaxResidualChange 1.000000000000000E-1
SolDefFormStiffnessMatrix 0
SolDefFormHeatStiffnessMatrix 2
SolDefHeatConvergenceTol 1.000000000000000E-5
SolDefHeatRelaxationFactor 6.666700000000000E-1
SolDefNonlinHeatIterLimit 20

SolverDefaultsSubSteps
SolDefSubStepping 0
SolDefMinLoadReductionFactor 1.000000000000000E-1

SolDefMaxRot 3.00000000000000E+1
SolDefMaxDispRatio 1.00000000000000E-1
SolDefMinArcLength 1.00000000000000E-3
SolDefMaxFibreInc 1.00000000000000E-2
SolDefSaveSubIncrements FALSE
SolDefDynamicAutoSteppingMode 0
SolDefMinTimeStep 1.00000000000000E-3
SolDefConsiderTableSteps FALSE
SolDefSingleShotRestart FALSE
SolDefAutoAssignPathDiv FALSE

SolverDefaultsNonlinear
SolDefIncludeKG TRUE
SolDefAutoScaleKg TRUE
SolDefIgnoreCompressiveBeamKg FALSE
SolDefBeamKgType Simplified
SolDefFiniteStrainDefinition Nominal
SolDefBeamLength Initial
SolDefRatioMNL 5.00000000000000E-1
SolDefZeroContactFactor 1.00000000000000E-6
SolDefSlidingFriction 1.00000000000000E-15
SolDefStickingFriction 1.00000000000000E+0
SolDefFrictionCutoffStrain 1.00000000000000E-5
SolDefScaleSupports TRUE

SolverDefaultsCreep
SolDefTimeStepParam 5.00000000000000E-1
SolDefMinViscoUnits 3
SolDefMaxViscoUnits 6
SolDefCurveFitTime 1.00000000000000E+4
SolDefCurveFitTimeUnit d
SolDefSpacingBias 5.00000000000000E-1
SolDefDoInstantNTA TRUE

SolverDefaultsEigenvalue
SolDefZeroFreq 1.00000000000000E-6
SolDefZeroBuckEigenvalue 1.00000000000000E-10
SolDefExpandWorkingSetBy 6
SolDefEigIterLimit 20
SolDefEigIterTol 1.00000000000000E-5
SolDefEigAutoShift FALSE

SolverDefaultsDynamics
SolDefWilsonTheta 1.37000000000000E+0
SolDefNewmarkBeta 5.00000000000000E-1
SolDefTransientMethod Newmark
SolDefExcludeMassComponents
SolDefIncludeRotMass TRUE

/ _____
/ RESULT OPTIONS

ResultOptions
ResOptsRotationUnit Degrees
ResOptsHRADisplacement Total
ResOptsHRAVelocity Total
ResOptsHRAAcceleration Relative
ResOptsBeamForceMoment Principal
ResOptsStageDisplacement BirthStage

Dettaglio verifiche strutturali nuova galleria artificiale

R20190604_GA_calotta_Mmax

INPUT

SOLLECITAZIONI DI VERIFICA

Combinazione	N_{Sd} [kN]	M_{Sd} [kNm]	V_{Sd} [kN]
SLE Quasi Permanente	**-704.0**	**289.0**	**-**
SLE Frequente	**-684.0**	**337.0**	**-**
SLE Rara	**-786.0**	**327.0**	**-**
SLU	**-642.0**	**640.0**	**540.0**
SLV	**-782.0**	**401.0**	**374.0**

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)	B [cm]	**100**	
Altezza (parallela al Taglio)	H [cm]	**129**	
Altezza utile della sezione	d [cm]	**124**	
Area di calcestruzzo	A_c [cm^2]	**12900**	

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ [%]		**0.081%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.081%**	

Armatura trasversale		1° TIPO	2° TIPO	3° TIPO
Diametro	ϕ[mm]	**10**	**0**	**0**
Numero bracci	n_{bi}	**2**	**0**	**0**
Passo	s_w [cm]	**20**	**0**	**0**
Inclinazione	α [deg]	**90**	**90**	**90**
Area armatura a metro	A_{sw}/s_w [cm^2/m]	7.85	0.00	0.00

CARATTERISTICHE REOLOGICHE DEI MATERIALI

Concrete		
Resistenza cubica a compressione	RCK	**30**
Resistenza cilindrica caratteristica a compressione	f_{ck} [Mpa]	25.00
Resistenza cilindrica media a compressione	f_{cm} [Mpa]	33.00
Resistenza media a trazione per flessione	f_{ctm} [Mpa]	2.56
Resistenza caratteristica a trazione per flessione	f_{ctk} [Mpa]	1.80
Resistenza di progetto a compressione	f_{cd} [Mpa]	14.17
Resistenza di progetto delle bielle compresse	$f_{cd'}$ [Mpa]	7.65
Acciaio		
Resistenza di progetto a snervamento	f_{yd} [Mpa]	391.30

OUTPUT

VERIFICHE IN ESERCIZIO

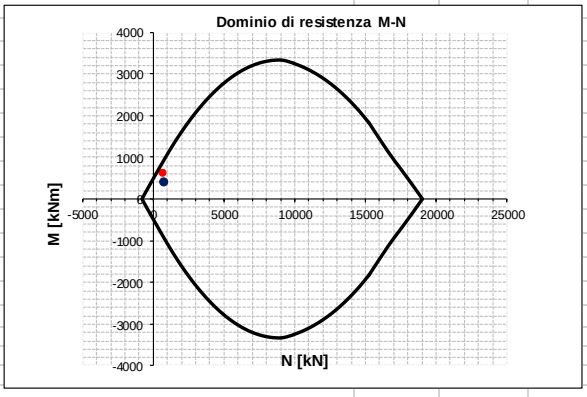
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**1.76**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**2.00**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**17.88**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

VERIFICA DI RESISTENZA A TAGLIO

Sollecitazioni di progetto		
Taglio sollecitante = max Taglio(SLU,SLV)	V_{Sd} [kN]	540.0
Sforzo Normale concomitante al massimo taglio	N_{Sd} [kN]	-642.0
Verifica di resistenza in assenza di armatura specifica		
Resistenza di progetto senza armatura specifica	V_{Rd1} [KN]	452.65
Coefficiente di sicurezza	V_{Rd1}/V_{Sd}	**0.84**
Verifica di resistenza dell'armatura specifica		
CoTan(θ) di progetto	cotan(θ)	2.5
Resistenza a taglio delle bielle compresse in cls	V_{Rd2}(θ) [KN]	3047
Resistenza a taglio dell'armatura	V_{Rd3}(θ) [KN]	857
Resistenza a taglio di progetto	V_{Rd} [KN]	857
Coefficiente di sicurezza	V_{Rd}/V_{Sd}	**1.59**

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	640.0	401.0
Sforzo Normale concomitante	N_{Sd} [kN]	-642.0	-782.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	866.4	948.2
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**1.35**	**2.36**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	-	-



R20190604_GA_calotta_Nmax

INPUT

SOLLECITAZIONI DI VERIFICA

Combinazione	N_{Sd} [kN]	M_{Sd} [kNm]	V_{Sd} [kN]
SLE Quasi Permanente	**-704.0**	**289.0**	**-**
SLE Frequente	**-684.0**	**337.0**	**-**
SLE Rara	**-786.0**	**327.0**	**-**
SLU	**-1151.0**	**66.0**	**540.0**
SLV	**-796.0**	**239.0**	**374.0**

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**129**
Altezza utile della sezione		d [cm]	**124**
Area di calcestruzzo		A_c [cm^2]	**12900**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ [%]		**0.081%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.081%**	

Armatura trasversale		1° TIPO	2° TIPO	3° TIPO
Diametro	ϕ[mm]	**10**	**0**	**0**
Numero bracci	n_{bi}	**2**	**0**	**0**
Passo	s_w [cm]	**20**	**0**	**0**
Inclinazione	α [deg]	**90**	**90**	**90**
Area armatura a metro	A_{sw}/s_w [cm^2/m]	7.85	0.00	0.00

CARATTERISTICHE REOLOGICHE DEI MATERIALI

Concrete		
Resistenza cubica a compressione	RCK	**30**
Resistenza cilindrica caratteristica a compressione	f_{ck} [Mpa]	25.00
Resistenza cilindrica media a compressione	f_{cm} [Mpa]	33.00
Resistenza media a trazione per flessione	f_{ctm} [Mpa]	2.56
Resistenza caratteristica a trazione per flessione	f_{ctk} [Mpa]	1.80
Resistenza di progetto a compressione	f_{cd} [Mpa]	14.17
Resistenza di progetto delle bielle compresse	$f_{cd'}$ [Mpa]	7.65

Acciaio		
Resistenza di progetto a snervamento	f_{yd} [Mpa]	391.30

OUTPUT

VERIFICHE IN ESERCIZIO

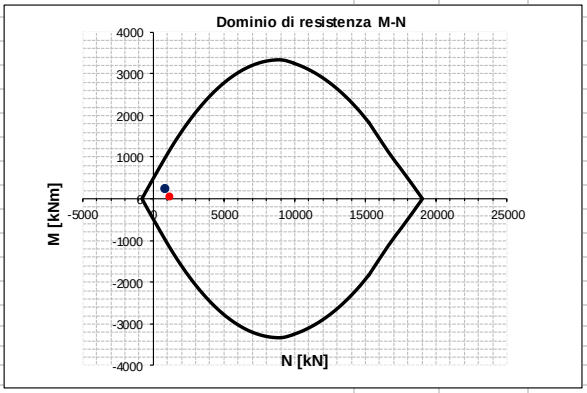
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**1.76**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**2.00**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**17.88**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

VERIFICA DI RESISTENZA A TAGLIO

Sollecitazioni di progetto		
Taglio sollecitante = max Taglio(SLU,SLV)	V_{Sd} [kN]	540.0
Sforzo Normale concomitante al massimo taglio	N_{Sd} [kN]	-1151.0
Verifica di resistenza in assenza di armatura specifica		
Resistenza di progetto senza armatura specifica	V_{Rd1} [KN]	526.04
Coefficiente di sicurezza	V_{Rd1}/V_{Sd}	**0.97**
Verifica di resistenza dell'armatura specifica		
CoTan(θ) di progetto	cotan(θ)	2.5
Resistenza a taglio delle bielle compresse in cls	V_{Rd2}(θ) [KN]	3129
Resistenza a taglio dell'armatura	V_{Rd3}(θ) [KN]	857
Resistenza a taglio di progetto	V_{Rd} [KN]	857
Coefficiente di sicurezza	V_{Rd}/V_{Sd}	**1.59**

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	66.0	239.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1151.0	-796.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	1160.8	956.3
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**17.59**	**4.00**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	-	-



R20190604_GA_calotta_sp.0.70m

INPUT

SOLLECITAZIONI DI VERIFICA

Combinazione	N_{Sd} [kN]	M_{Sd} [kNm]	V_{Sd} [kN]
SLE Quasi Permanente	**-706.0**	**31.0**	**-**
SLE Frequente	**-734.0**	**48.0**	**-**
SLE Rara	**-791.0**	**37.0**	**-**
SLU	**-1045.0**	**113.0**	**90.0**
SLV	**-782.0**	**52.0**	**120.0**

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**70**
Altezza utile della sezione		d [cm]	**65**
Area di calcestruzzo		A_c [cm^2]	**7000**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ [%]		**0.155%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**16**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	10.05	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.155%**	

Armatura trasversale		1° TIPO	2° TIPO	3° TIPO
Diametro	ϕ[mm]	**10**	**0**	**0**
Numero bracci	n_{bi}	**2**	**0**	**0**
Passo	s_w [cm]	**20**	**0**	**0**
Inclinazione	α [deg]	**90**	**90**	**90**
Area armatura a metro	A_{sw}/s_w [cm^2/m]	7.85	0.00	0.00

CARATTERISTICHE REOLOGICHE DEI MATERIALI

Concrete		
Resistenza cubica a compressione	RCK	**30**
Resistenza cilindrica caratteristica a compressione	f_{ck} [Mpa]	25.00
Resistenza cilindrica media a compressione	f_{cm} [Mpa]	33.00
Resistenza media a trazione per flessione	f_{ctm} [Mpa]	2.56
Resistenza caratteristica a trazione per flessione	f_{ctk} [Mpa]	1.80
Resistenza di progetto a compressione	f_{cd} [Mpa]	14.17
Resistenza di progetto delle bielle compresse	$f_{cd'}$ [Mpa]	7.65
Acciaio		
Resistenza di progetto a snervamento	f_{yd} [Mpa]	391.30

OUTPUT

VERIFICHE IN ESERCIZIO

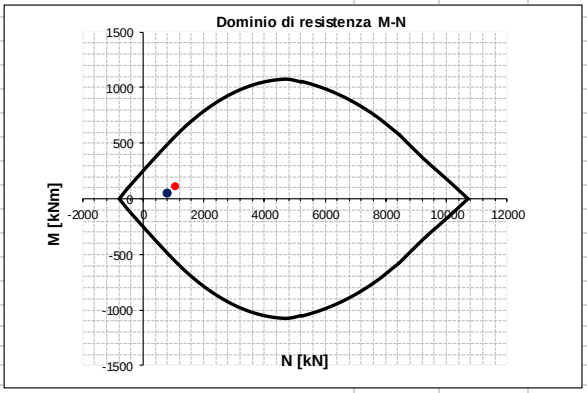
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**1.31**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**1.50**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**-10.93**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

VERIFICA DI RESISTENZA A TAGLIO

Sollecitazioni di progetto		
Taglio sollecitante = max Taglio(SLU,SLV)	V_{Sd} [kN]	120.0
Sforzo Normale concomitante al massimo taglio	N_{Sd} [kN]	-782.0
Verifica di resistenza in assenza di armatura specifica		
Resistenza di progetto senza armatura specifica	V_{Rd1} [KN]	329.43
Coefficiente di sicurezza	V_{Rd1}/V_{Sd}	**2.75**
Verifica di resistenza dell'armatura specifica		
CoTan(θ) di progetto	cotan(θ)	2.5
Resistenza a taglio delle bielle compresse in cls	V_{Rd2}(θ) [KN]	1665
Resistenza a taglio dell'armatura	V_{Rd3}(θ) [KN]	449
Resistenza a taglio di progetto	V_{Rd} [KN]	449
Coefficiente di sicurezza	V_{Rd}/V_{Sd}	**3.75**

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	113.0	52.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1045.0	-782.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	560.4	485.9
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**4.96**	**9.34**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	-	-



R20190604_GA_piedritti_Mmax

INPUT

SOLLECITAZIONI DI VERIFICA

Combinazione	N_{Sd} [kN]	M_{Sd} [kNm]	V_{Sd} [kN]
SLE Quasi Permanente	**-982.0**	**636.0**	**-**
SLE Frequente	**-1052.0**	**677.0**	**-**
SLE Rara	**-1075.0**	**694.0**	**-**
SLU	**-951.0**	**929.0**	**695.0**
SLV	**-936.0**	**723.0**	**578.0**

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)	B [cm]	**100**	
Altezza (parallela al Taglio)	H [cm]	**135**	
Altezza utile della sezione	d [cm]	**130**	
Area di calcestruzzo	A_c [cm^2]	**13500**	

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.098%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.098%**	

Armatura trasversale		1° TIPO	2° TIPO	3° TIPO
Diametro	ϕ[mm]	**10**	**0**	**0**
Numero bracci	n_{bi}	**2**	**0**	**0**
Passo	s_w [cm]	**20**	**0**	**0**
Inclinazione	α [deg]	**90**	**90**	**90**
Area armatura a metro	A_{sw}/s_w [cm^2/m]	7.85	0.00	0.00

CARATTERISTICHE REOLOGICHE DEI MATERIALI

Concrete		
Resistenza cubica a compressione	RCK	**30**
Resistenza cilindrica caratteristica a compressione	f_{ck} [Mpa]	25.00
Resistenza cilindrica media a compressione	f_{cm} [Mpa]	33.00
Resistenza media a trazione per flessione	f_{ctm} [Mpa]	2.56
Resistenza caratteristica a trazione per flessione	f_{ctk} [Mpa]	1.80
Resistenza di progetto a compressione	f_{cd} [Mpa]	14.17
Resistenza di progetto delle bielle compresse	$f_{cd'}$ [Mpa]	7.65
Acciaio		
Resistenza di progetto a snervamento	f_{yd} [Mpa]	391.30

OUTPUT

VERIFICHE IN ESERCIZIO

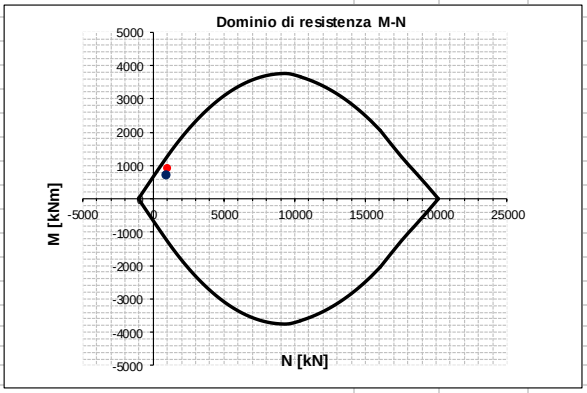
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**4.02**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**4.38**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**100.10**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

VERIFICA DI RESISTENZA A TAGLIO

Sollecitazioni di progetto		
Taglio sollecitante = max Taglio(SLU,SLV)	V_{Sd} [kN]	695.0
Sforzo Normale concomitante al massimo taglio	N_{Sd} [kN]	-951.0
Verifica di resistenza in assenza di armatura specifica		
Resistenza di progetto senza armatura specifica	V_{Rd1} [KN]	511.09
Coefficiente di sicurezza	V_{Rd1}/V_{Sd}	**0.74**
Verifica di resistenza dell'armatura specifica		
CoTan(θ) di progetto	cotan(θ)	2.5
Resistenza a taglio delle bielle compresse in cls	V_{Rd2}(θ) [KN]	3240
Resistenza a taglio dell'armatura	V_{Rd3}(θ) [KN]	899
Resistenza a taglio di progetto	V_{Rd} [KN]	899
Coefficiente di sicurezza	V_{Rd}/V_{Sd}	**1.29**

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	929.0	723.0
Sforzo Normale concomitante	N_{Sd} [kN]	-951.0	-936.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	1228.3	1219.2
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**1.32**	**1.69**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	-	-



R20190604_GA_piedritti_Nmax

INPUT

SOLLECITAZIONI DI VERIFICA

Combinazione	N_{Sd} [kN]	M_{Sd} [kNm]	V_{Sd} [kN]
SLE Quasi Permanente	**-982.0**	**636.0**	**-**
SLE Frequente	**-1052.0**	**677.0**	**-**
SLE Rara	**-1075.0**	**694.0**	**-**
SLU	**-1476.0**	**653.0**	**695.0**
SLV	**-1070.0**	**612.0**	**578.0**

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)	B [cm]	**100**	
Altezza (parallela al Taglio)	H [cm]	**135**	
Altezza utile della sezione	d [cm]	**130**	
Area di calcestruzzo	A_c [cm^2]	**13500**	

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.098%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.098%**	

Armatura trasversale		1° TIPO	2° TIPO	3° TIPO
Diametro	ϕ[mm]	**10**	**0**	**0**
Numero bracci	n_{bi}	**2**	**0**	**0**
Passo	s_w [cm]	**20**	**0**	**0**
Inclinazione	α [deg]	**90**	**90**	**90**
Area armatura a metro	A_{sw}/s_w [cm^2/m]	7.85	0.00	0.00

CARATTERISTICHE REOLOGICHE DEI MATERIALI

Concrete		
Resistenza cubica a compressione	RCK	**30**
Resistenza cilindrica caratteristica a compressione	f_{ck} [Mpa]	25.00
Resistenza cilindrica media a compressione	f_{cm} [Mpa]	33.00
Resistenza media a trazione per flessione	f_{ctm} [Mpa]	2.56
Resistenza caratteristica a trazione per flessione	f_{ctk} [Mpa]	1.80
Resistenza di progetto a compressione	f_{cd} [Mpa]	14.17
Resistenza di progetto delle bielle compresse	$f_{cd'}$ [Mpa]	7.65
Acciaio		
Resistenza di progetto a snervamento	f_{yd} [Mpa]	391.30

OUTPUT

VERIFICHE IN ESERCIZIO

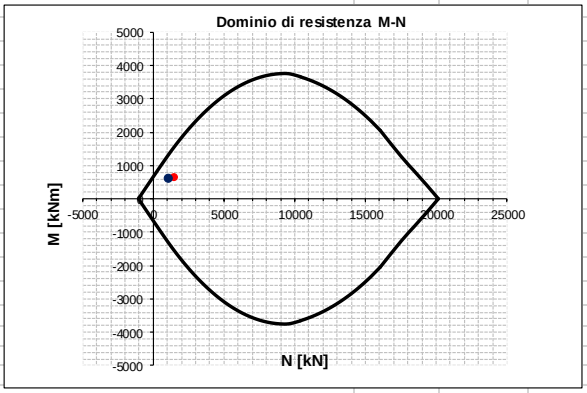
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**4.02**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**4.38**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**100.10**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

VERIFICA DI RESISTENZA A TAGLIO

Sollecitazioni di progetto		
Taglio sollecitante = max Taglio(SLU,SLV)	V_{Sd} [kN]	695.0
Sforzo Normale concomitante al massimo taglio	N_{Sd} [kN]	-1476.0
Verifica di resistenza in assenza di armatura specifica		
Resistenza di progetto senza armatura specifica	V_{Rd1} [KN]	586.92
Coefficiente di sicurezza	V_{Rd1}/V_{Sd}	**0.84**
Verifica di resistenza dell'armatura specifica		
CoTan(θ) di progetto	cotan(θ)	2.5
Resistenza a taglio delle bielle compresse in cls	V_{Rd2}(θ) [KN]	3325
Resistenza a taglio dell'armatura	V_{Rd3}(θ) [KN]	899
Resistenza a taglio di progetto	V_{Rd} [KN]	899
Coefficiente di sicurezza	V_{Rd}/V_{Sd}	**1.29**

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	653.0	612.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1476.0	-1070.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	1539.4	1300.6
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**2.36**	**2.13**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	-	-



R20190604_GA_piedritti_sp min.0.70m

INPUT

SOLLECITAZIONI DI VERIFICA

Combinazione	N_{Sd} [kN]	M_{Sd} [kNm]	V_{Sd} [kN]
SLE Quasi Permanente	**-791.0**	**23.0**	**-**
SLE Frequente	**-776.0**	**48.0**	**-**
SLE Rara	**-873.0**	**25.0**	**-**
SLU	**-1226.0**	**247.0**	**120.0**
SLV	**-866.0**	**66.0**	**146.0**

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)	B [cm]	**100**	
Altezza (parallela al Taglio)	H [cm]	**70**	
Altezza utile della sezione	d [cm]	**65**	
Area di calcestruzzo	A_c [cm^2]	**7000**	

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.196%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.196%**	

Armatura trasversale		1° TIPO	2° TIPO	3° TIPO
Diametro	ϕ[mm]	**10**	**0**	**0**
Numero bracci	n_{bi}	**2**	**0**	**0**
Passo	s_w [cm]	**20**	**0**	**0**
Inclinazione	α [deg]	**90**	**90**	**90**
Area armatura a metro	A_{sw}/s_w [cm^2/m]	7.85	0.00	0.00

CARATTERISTICHE REOLOGICHE DEI MATERIALI

Concrete		
Resistenza cubica a compressione	RCK	**30**
Resistenza cilindrica caratteristica a compressione	f_{ck} [Mpa]	25.00
Resistenza cilindrica media a compressione	f_{cm} [Mpa]	33.00
Resistenza media a trazione per flessione	f_{ctm} [Mpa]	2.56
Resistenza caratteristica a trazione per flessione	f_{ctk} [Mpa]	1.80
Resistenza di progetto a compressione	f_{cd} [Mpa]	14.17
Resistenza di progetto delle bielle compresse	$f_{cd'}$ [Mpa]	7.65
Acciaio		
Resistenza di progetto a snervamento	f_{yd} [Mpa]	391.30

OUTPUT

VERIFICHE IN ESERCIZIO

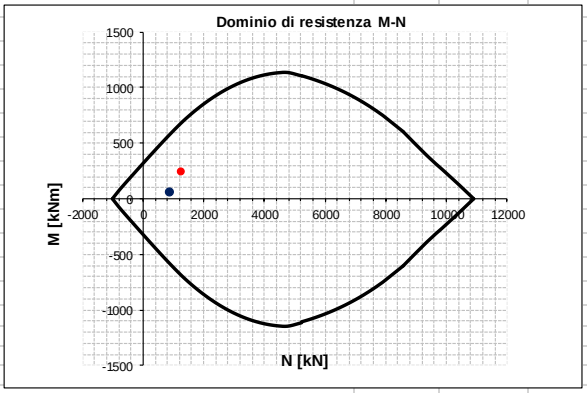
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**1.32**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**1.46**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**-14.23**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

VERIFICA DI RESISTENZA A TAGLIO

Sollecitazioni di progetto		
Taglio sollecitante = max Taglio(SLU,SLV)	V_{Sd} [kN]	146.0
Sforzo Normale concomitante al massimo taglio	N_{Sd} [kN]	-866.0
Verifica di resistenza in assenza di armatura specifica		
Resistenza di progetto senza armatura specifica	V_{Rd1} [KN]	341.13
Coefficiente di sicurezza	V_{Rd1}/V_{Sd}	**2.34**
Verifica di resistenza dell'armatura specifica		
CoTan(θ) di progetto	cotan(θ)	2.5
Resistenza a taglio delle bielle compresse in cls	V_{Rd2}(θ) [KN]	1678
Resistenza a taglio dell'armatura	V_{Rd3}(θ) [KN]	449
Resistenza a taglio di progetto	V_{Rd} [KN]	449
Coefficiente di sicurezza	V_{Rd}/V_{Sd}	**3.08**

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	247.0	66.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1226.0	-866.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	672.2	572.3
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**2.72**	**8.67**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	-	-



R20190604_GA_arco rovescio_Mmax

INPUT

SOLLECITAZIONI DI VERIFICA

Combinazione	N_{Sd} [kN]	M_{Sd} [kNm]	V_{Sd} [kN]
SLE Quasi Permanente	**-901.0**	**636.0**	**0**
SLE Frequente	**-961.0**	**677.0**	**0**
SLE Rara	**-983.0**	**694.0**	**0**
SLU	**-933.0**	**929.0**	**958.0**
SLV	**-861.0**	**723.0**	**748.0**

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)	B [cm]	**100**	
Altezza (parallela al Taglio)	H [cm]	**134**	
Altezza utile della sezione	d [cm]	**129**	
Area di calcestruzzo	A_c [cm^2]	**13400**	

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.099%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.099%**	

Armatura trasversale		1° TIPO	2° TIPO	3° TIPO
Diametro	ϕ[mm]	**10**	**0**	**0**
Numero bracci	n_{bi}	**2**	**0**	**0**
Passo	s_w [cm]	**20**	**0**	**0**
Inclinazione	α [deg]	**90**	**90**	**90**
Area armatura a metro	A_{sw}/s_w [cm^2/m]	7.85	0.00	0.00

CARATTERISTICHE REOLOGICHE DEI MATERIALI

Concrete		
Resistenza cubica a compressione	RCK	**30**
Resistenza cilindrica caratteristica a compressione	f_{ck} [Mpa]	25.00
Resistenza cilindrica media a compressione	f_{cm} [Mpa]	33.00
Resistenza media a trazione per flessione	f_{ctm} [Mpa]	2.56
Resistenza caratteristica a trazione per flessione	f_{ctk} [Mpa]	1.80
Resistenza di progetto a compressione	f_{cd} [Mpa]	14.17
Resistenza di progetto delle bielle compresse	$f_{cd'}$ [Mpa]	7.65
Acciaio		
Resistenza di progetto a snervamento	f_{yd} [Mpa]	391.30

OUTPUT

VERIFICHE IN ESERCIZIO

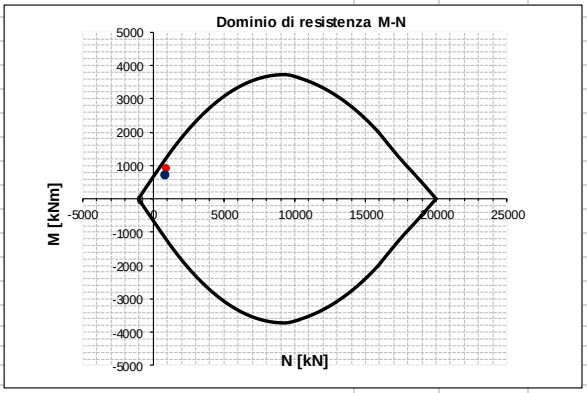
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**4.21**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**4.60**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**123.59**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

VERIFICA DI RESISTENZA A TAGLIO

Sollecitazioni di progetto		
Taglio sollecitante = max Taglio(SLU,SLV)	V_{Sd} [kN]	958.0
Sforzo Normale concomitante al massimo taglio	N_{Sd} [kN]	-933.0
Verifica di resistenza in assenza di armatura specifica		
Resistenza di progetto senza armatura specifica	V_{Rd1} [KN]	506.18
Coefficiente di sicurezza	V_{Rd1}/V_{Sd}	**0.53**
Verifica di resistenza dell'armatura specifica		
CoTan(θ) di progetto	cotan(θ)	2.5
Resistenza a taglio delle bielle compresse in cls	V_{Rd2}(θ) [KN]	3213
Resistenza a taglio dell'armatura	V_{Rd3}(θ) [KN]	892
Resistenza a taglio di progetto	V_{Rd} [KN]	892
Coefficiente di sicurezza	V_{Rd}/V_{Sd}	**0.93**

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	929.0	723.0
Sforzo Normale concomitante	N_{Sd} [kN]	-933.0	-861.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	1207.8	1164.4
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**1.30**	**1.61**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	-	-



R20190604_GA_arco rovescio_Nmax

INPUT

SOLLECITAZIONI DI VERIFICA

Combinazione	N_{Sd} [kN]	M_{Sd} [kNm]	V_{Sd} [kN]
SLE Quasi Permanente	**-901.0**	**636.0**	**0**
SLE Frequente	**-961.0**	**677.0**	**0**
SLE Rara	**-983.0**	**694.0**	**0**
SLU	**-1294.0**	**653.0**	**958.0**
SLV	**-973.0**	**612.0**	**748.0**

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)	B [cm]	**100**	
Altezza (parallela al Taglio)	H [cm]	**134**	
Altezza utile della sezione	d [cm]	**129**	
Area di calcestruzzo	A_c [cm^2]	**13400**	

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.099%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.099%**	

Armatura trasversale		1° TIPO	2° TIPO	3° TIPO
Diametro	ϕ[mm]	**10**	**0**	**0**
Numero bracci	n_{bi}	**2**	**0**	**0**
Passo	s_w [cm]	**20**	**0**	**0**
Inclinazione	α [deg]	**90**	**90**	**90**
Area armatura a metro	A_{sw}/s_w [cm^2/m]	7.85	0.00	0.00

CARATTERISTICHE REOLOGICHE DEI MATERIALI

Concrete		
Resistenza cubica a compressione	RCK	**30**
Resistenza cilindrica caratteristica a compressione	f_{ck} [Mpa]	25.00
Resistenza cilindrica media a compressione	f_{cm} [Mpa]	33.00
Resistenza media a trazione per flessione	f_{ctm} [Mpa]	2.56
Resistenza caratteristica a trazione per flessione	f_{ctk} [Mpa]	1.80
Resistenza di progetto a compressione	f_{cd} [Mpa]	14.17
Resistenza di progetto delle bielle compresse	$f_{cd'}$ [Mpa]	7.65
Acciaio		
Resistenza di progetto a snervamento	f_{yd} [Mpa]	391.30

OUTPUT

VERIFICHE IN ESERCIZIO

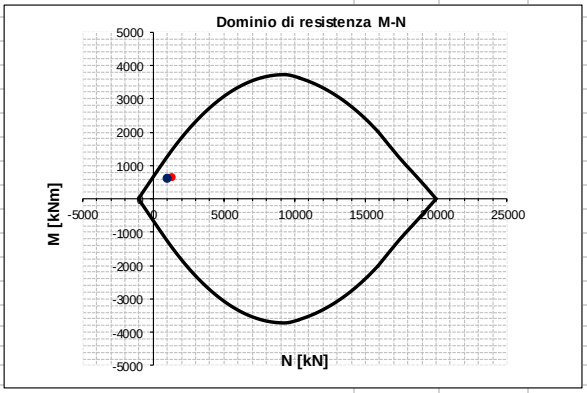
Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**4.21**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**4.60**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**123.59**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

VERIFICA DI RESISTENZA A TAGLIO

Sollecitazioni di progetto		
Taglio sollecitante = max Taglio(SLU,SLV)	V_{Sd} [kN]	958.0
Sforzo Normale concomitante al massimo taglio	N_{Sd} [kN]	-1294.0
Verifica di resistenza in assenza di armatura specifica		
Resistenza di progetto senza armatura specifica	V_{Rd1} [KN]	558.31
Coefficiente di sicurezza	V_{Rd1}/V_{Sd}	**0.58**
Verifica di resistenza dell'armatura specifica		
CoTan(θ) di progetto	cotan(θ)	2.5
Resistenza a taglio delle bielle compresse in cls	V_{Rd2}(θ) [KN]	3271
Resistenza a taglio dell'armatura	V_{Rd3}(θ) [KN]	892
Resistenza a taglio di progetto	V_{Rd} [KN]	892
Coefficiente di sicurezza	V_{Rd}/V_{Sd}	**0.93**

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	653.0	612.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1294.0	-973.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	1421.9	1231.9
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**2.18**	**2.01**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	-	-



R20190604_GA_arco rovescio_sp.0.70m

INPUT

SOLLECITAZIONI DI VERIFICA

Combinazione	N_{Sd} [kN]	M_{Sd} [kNm]	V_{Sd} [kN]
SLE Quasi Permanente	**-830.0**	**186.0**	**0**
SLE Frequente	**-885.0**	**199.0**	**0**
SLE Rara	**-904.0**	**203.0**	**0**
SLU	**-1190.0**	**272.0**	**70.0**
SLV	**-895.0**	**201.0**	**102.0**

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE IN C.A.

Geometria della sezione			
Base (ortogonale al Taglio)		B [cm]	**100**
Altezza (parallela al Taglio)		H [cm]	**70**
Altezza utile della sezione		d [cm]	**65**
Area di calcestruzzo		A_c [cm^2]	**7000**

Armatura longitudinale tesa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c [cm]	**5.0**	**0.0**	**0.0**
Area strato	As [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ [%]		**0.196%**	

Armatura longitudinale compressa		1° STRATO	2° STRATO	3° STRATO
Numero Barre	n	**5**	**0**	**0**
Diametro	ϕ[mm]	**18**	**0**	**0**
Posizione dal lembo esterno	c' [cm]	**5.0**	**0.0**	**0.0**
Area strato	As' [cm^2]	12.72	0.00	0.00
Rapporto di armatura	ρ' [%]		**0.196%**	

Armatura trasversale		1° TIPO	2° TIPO	3° TIPO
Diametro	ϕ[mm]	**10**	**0**	**0**
Numero bracci	n_{bi}	**2**	**0**	**0**
Passo	s_w [cm]	**20**	**0**	**0**
Inclinazione	α [deg]	**90**	**90**	**90**
Area armatura a metro	A_{sw}/s_w [cm^2/m]	7.85	0.00	0.00

CARATTERISTICHE REOLOGICHE DEI MATERIALI

Concrete		
Resistenza cubica a compressione	RCK	**30**
Resistenza cilindrica caratteristica a compressione	f_{ck} [Mpa]	25.00
Resistenza cilindrica media a compressione	f_{cm} [Mpa]	33.00
Resistenza media a trazione per flessione	f_{ctm} [Mpa]	2.56
Resistenza caratteristica a trazione per flessione	f_{ctk} [Mpa]	1.80
Resistenza di progetto a compressione	f_{cd} [Mpa]	14.17
Resistenza di progetto delle bielle compresse	$f_{cd'}$ [Mpa]	7.65
Acciaio		
Resistenza di progetto a snervamento	f_{yd} [Mpa]	391.30

OUTPUT

VERIFICHE IN ESERCIZIO

Verifica Tensionale			σ limit
Calcestruzzo SLE Quasi Permanente	σ_c [Mpa] =	**3.53**	**11.250**
Calcestruzzo SLE Rara	σ_c [Mpa] =	**3.86**	**15.000**
Acciaio SLE Rara	σ_s [Mpa] =	**25.39**	**360.000**
Verifica di fessurazione			w limit
Combinazione SLE Quasi permanente	w_d [mm] =	**0.000**	**0.200**
Combinazione SLE Frequente	w_d [mm] =	**0.000**	**0.300**

VERIFICA DI RESISTENZA A TAGLIO

Sollecitazioni di progetto		
Taglio sollecitante = max Taglio(SLU,SLV)	V_{Sd} [kN]	102.0
Sforzo Normale concomitante al massimo taglio	N_{Sd} [kN]	-895.0
Verifica di resistenza in assenza di armatura specifica		
Resistenza di progetto senza armatura specifica	V_{Rd1} [KN]	345.17
Coefficiente di sicurezza	V_{Rd1}/V_{Sd}	**3.38**
Verifica di resistenza dell'armatura specifica		
CoTan(θ) di progetto	cotan(θ)	2.5
Resistenza a taglio delle bielle compresse in cls	V_{Rd2}(θ) [KN]	1682
Resistenza a taglio dell'armatura	V_{Rd3}(θ) [KN]	449
Resistenza a taglio di progetto	V_{Rd} [KN]	449
Coefficiente di sicurezza	V_{Rd}/V_{Sd}	**4.41**

VERIFICA DI RESISTENZA A PRESSO-FLESSIONE

Sollecitazioni di progetto		SLU	SLV
Momento sollecitante	M_{Sd} [kNm]	272.0	201.0
Sforzo Normale concomitante	N_{Sd} [kN]	-1190.0	-895.0
Verifica di resistenza in termini di momento		SLU	SLV
Momento resistente	M_{Rd} [kNm]	662.7	580.6
Coefficiente di sicurezza	M_{Rd}/M_{Sd}	**2.44**	**2.89**
Verifica di resistenza in termini di sforzo normale		SLU	SLV
Sforzo normale resistente	N_{Rd} [kN]	-	-
Coefficiente di sicurezza	N_{Rd}/N_{Sd}	-	-