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Accession #: D295184161

Document #: SD-SNF-DA-003

Title/Desc:
STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS [SEC 1 OF 6]

Pages: 109

This document was too large to scan as a whole document, therefore it required breaking into smaller sections.

DOCUMENT NUMBER: SD-SNF-DA-003 REV 0

SECTION 1 OF 6

TITLE: STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS

DATE: 11/22/95

ORIGINATOR: KANTILAL SK

CO: KEH

RECIPIENT:

CO:

REFERENCES: EDT-612866

Std. 4 (c)

NOV 2 2 1995

ENGINEERING DATA TRANSMITTAL

1. EDT № 612866

2. To: (Receiving Organization)	3. From: (Originating Organization)	4. Related EDT No.:
WHC Spent Nuclear Fuel K Basins Engr.	ICF KH SNF Engineering	N/A
5. Proj./Prog./Dept./Div.: 11/2/95	6. Cog. Engr.: 11/1/95 W. A. Frier S. K. KANJILAL	7. Purchase Order No.: N/A
8. Originator Remarks: Structural Analysis of 105K Storage Basin Monorails.		9. Equip./Component No.: N/A
		10. System/Bldg./Facility: 105KE/105KW
11. Receiver Remarks:		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date: N/A

15. DATA TRANSMITTED

(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	(F) Approval Designator	(G) Reason for Transmittal	(H) Originator Disposition	(I) Receiver Disposition
1	WHC-SD-SNF-DA-003		0	Structural Analysis of 105K Storage Basin Monorails	Q,S	1	1	2

16. KEY

Approval Designator (F)	Reason for Transmittal (G)	Disposition (H) & (I)
E, S, Q, D or N/A (see WHC-CM-3-5, Sec.12.7)	1. Approval 4. Review 2. Release 5. Post-Review 3. Information 6. Dist. (Receipt Acknow. Required)	1. Approved 4. Reviewed no/comment 2. Approved w/comment 5. Reviewed w/comment 3. Disapproved w/comment 6. Receipt acknowledged

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BD-7400-172-2 (04/94) GEF097

Structural Analysis of 105 K basin Monorails

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ICF Kaiser Hanford Company, Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: 612866 UC: 513
Org Code: 2A310 Charge Code: LC310
B&R Code: EW3135410 Total Pages: 772

Key Words: Monorail

Abstract: Structural analysis of 105 K Basin monorails. The analysis addresses all monorails in the K basin and documented the load carrying capacity of each monorail.

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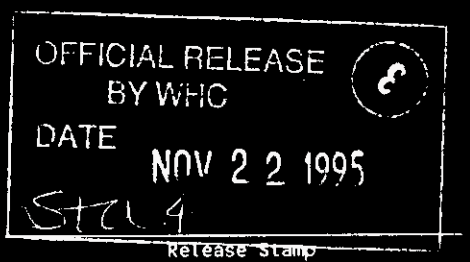

Release Approval Date 11/21/95 Release Stamp

Approved for Public Release

STRUCTURAL ANALYSIS OF 105 K STORAGE BASIN MONORAILS

Issued by

WESTINGHOUSE HANFORD COMPANY

SEPTEMBER 1995

for the

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
RICHLAND, WASHINGTON

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STRUCTURAL ANALYSIS OF 105 K STORAGE BASIN MONORAILS

1.0 BACKGROUND

Monorails were installed in the 105 K Basins for fuel movement in and around the fuel storage basins. The monorails were installed by Astoria Spruce Corporation with a Fryer-Knowles monorail design (Fryer-Knowles, 1954). The monorail and components were manufactured by Richards Wilcox back in the 1950's. Both companies are now out of business but when requested, a representative of TC (Twin City) American Company sent a few pages of the old Richards Wilcox Catalog that defined the capacity of the rod hangers used to support the monorails. The material for the hanger, such as rods and the clamps, were revised in the fabrication drawing which changed the allowable capacity shown in the old catalog. K Basins Cognizant Engineering Design Reconstitution Program recently assigned NORPAC Engineering, Inc., of Seattle, Washington, to make an assessment of the basin monorail system. The assessment included the north-south monorails and the basin perimeter rail. The engineering assessment (WHC 1995a) determined the capacity of the monorails and hangers as 2400 pounds. Those results are used as a basis for qualifying the fuel loadout pit, tech view pit, weasel pit, and dummy elevator pit monorails.

2.0 OBJECTIVE

The primary objective of this report is to establish allowable loads for all monorails installed in the 105 K storage basin areas. The basis for the allowable loads and the supporting calculations are also provided.

3.0 DESCRIPTION OF THE MONORAIL SYSTEM

The monorail system in the storage basin is illustrated in Figure 1 and is divided into the following subsystems.

- North/South Monorails above the fuel storage basin -- The north/south monorails are used to transfer the fuel in the north and south direction.

- Perimeter Rails -- Perimeter rails consists of two parallel monorails spaced 2 feet, 11 inches apart and with a flexible transfer crane spanning between the rails. The flexible transfer crane design capacity was determined as 2000 pounds from a design reconstitution program by NORPAC Engineering, Inc. (WHC 1995b). The lower flange of the bridge

coincides with the north/south and other monorails inside the basin so that a smooth transfer of hoist is possible. These monorails are used to transfer fuel canisters or equipment from the north/south monorails and transfer it to south load out pit, tech view, weasel pit, cartridge filter and dummy elevator pit.

- Discharge-Pickup Chute Area Monorails -- The monorails in the discharge-pickup chute area consist of two rails 2 feet, 9 inches apart. The two rails come together at both ends of the chute area to form one rail which interfaces with the flexible transfer crane of the perimeter rail. The monorails in the discharge-pickup chute area were used to weigh the K Reactor spent fuel and transfer it to the basin area. With the isolation barrier in place, this chute to basin transfer is no longer possible.

- North and South Load Out Pit Monorails -- These are single monorails spanning east to west and transfer the fuel from the pit areas to the perimeter rails. They are located in the transfer area and above the pits.

- East Side Monorails -- There are four monorails spanning east to west and are located on the pit areas on the east side of the basin. Two of these monorails are located over the weasel pit area, one over the tech view pit area, and the other on the north side located over the dummy elevator pit area. They are all single monorails and transfer fuels from the pits to the perimeter rails. The north most monorail over the weasel pit area was removed in 105 K East.

- Cask and Equipment Storage Monorail -- This is a single monorail which forms a loop and passes from room three to the storage basin. A portion of this monorail has been removed in 105 KE. This monorail in the wash pad area in both 105 KE and 105 KW Basins has been deactivated. The cask monorail and hangers are different from the ones located in and around the basin. The 4-ton monorail system was designed by, The American Monorail Company, with plans and specifications documented in the vendor blue print File No. 7437, Drawing No. 773981 E-1 (American Monorail Company, 1953).

4.0 DESIGN CRITERIA

In general the monorail qualifications are based on the guidelines provided in American National Standards Code (ANSI MH 27.1-1981) from the Monorail Manufacturers Association. Also AISC (AISC 1989) design criteria is used to satisfy the flexure criteria for long span monorails greater than the length of the compact section. All section properties for steel members are taken from the AISC 5th edition to conform with the time frame of construction of these facilities.

The capacity for the monorails and hangers were taken from the NORPAC Engineering, Inc. Report (WHC 1995a) for the engineering assessment of 105 K Basin monorails.

Monorails and the superstructure over the basin are classified as Safety Class 3 over 1 (Langevin 1995). The basin monorails are included in the superstructure seismic analysis (WHC 1993). Failure of the monorail hoists are within acceptance criteria of the safety analysis report (WHC 1994a).

5.0 RESULTS AND DISCUSSION

5.1 NORTH/SOUTH MONORAILS IN THE BASIN AREA

A computer model was generated with the monorail and supports modelled as a continuous beam. Two 1200 pound loads applied 6 inches apart, distance between the wheels of moving trolley, was moved from one end to the other end. (See Appendix A). Three load cases were run, (1) a single moving load, (2) two moving loads 4 feet apart and (3) three moving loads 4 feet apart each. The results show that the monorails are adequate for the full 2400 pounds of hoist load for all three load cases. When two or three hoists are used on the same monorail, the distance between the hoists should be at least 4 feet.

Third party inspection of the storage basin monorail indicated that a support is missing in the 32nd row of monorails at the turn table location. The turn table in both 105 K East and 105 K West is in the process of removal and new supports will be installed (WHC 1995c and WHC 1995d) in near future. The monorail capacity for all north/south monorails are rated for 2400 pounds.

5.2 PERIMETER RAIL

The allowable load on a single hanger in the perimeter rail is 2500 pounds with an average support spacing of 3 feet, 6 inches. Therefore, the perimeter rail is adequate for the rated 2400 pounds of moving load. The combined capacity of the perimeter rails may be increased based on the location of the hanging load on the bridge (See Figure 2), but in no case should the reaction on any rod hanger exceed 2500 pounds. The capacity of the flexible transfer crane spanning between the perimeter rails are rated as 2000 pounds. NORPAC Engineering, Inc. evaluated the transfer crane for upgrading its capacity to 2400 pounds (WHC 1995b). The analysis performed by them show that one new gusset plate is needed for proper stiffening of the angle connected to the flexible roller bar to increase the capacity of this assembly to 2400 pounds. Currently the K Basins Operation doesn't want to authorize the addition of a gusset, but have no objection if the path forward project modifies it for the increased capacity of the flexible crane. Until

such modifications are made the flexible transfer crane is rated for 2000 pounds.

The safety drop lugs provided with the fuel holding trolley swivel unit as installed by Work Authorization No. WA 90-2069 (WHC 1990), are qualified for 2400 pounds of loading (See Appendix A). The safety drop lugs are identified on drawing H-1-81184 (ICF KH 1995).

5.3 DISCHARGE-PICKUP CHUTE AREA MONORAIL

Central portion of the discharge-pickup chute area consists of two monorails spaced 2 feet 9 inches apart. A special lifting device was designed by ICF Kaiser, consisting of a spreader bar spanning between the monorails to lift the gate weighing 2800 lbs. (ICF 1994), the capacity of this device was calculated as 4000 lbs. When the load is placed at the center of the spreader bar, the two monorails can safely carry 4000 lbs.

The capacity of the single monorail near both ends of the chute area is evaluated as 2400 pounds based on the capacity of the rod hanger. ICF Kaiser Engineers calculation (ICF 1994) for qualification of the discharge-pickup chute area monorail is attached as Appendix C with this document.

5.4 SOUTH LOAD OUT PIT MONORAIL

The south load out pit monorail spans east to west and is partly supported by rod hangers and by an angle iron frame hung from the existing structures. The removable section of the monorail shown in the Fryer-Knowles drawing is no longer removable due to welding of the two sections together.

Field observation: A latching mechanism is connected at the west end of the monorail. This mechanism is connected with the top flange of the rail through slotted holes and in one place the flange is cut on one side to some extent. Conservative calculations show that the monorail is still adequate for 2400 pounds of moving load.

The welds between the removable section of the monorail and the fixed section have been qualified based upon 5 inches of weld length in the web. The west side weld is a full cross section butt weld and the east side connection is a 5 inch length of weld in the web. Both the welds were inspected and qualified by Quality Assurance (QA) group (WHC 1994b).

5.5 NORTH LOAD OUT PIT MONORAIL

The north load out pit monorail is supported by rod hangers which are adequate for 2400 pounds of hoist load.

5.6 THE EAST SIDE MONORAIL

The four east side monorails are supported by rod hangers. The largest spacing of the hangers is 11 feet, 6.5 inches. The allowable load for these monorails is controlled by the AISC flexure criteria. The allowable load is 1150 pounds for each monorail. The monorail capacity may be increased if additional hangers are installed to reduce the span of the compression flange. It recommended that the east-side monorails be rated for 1000 pounds.

5.7 CASK AND EQUIPMENT STORAGE MONORAIL

The cask and equipment storage is described in the Vendor Drawing (American Monorail Company, 1953). This monorail is stamped 4-ton capacity. Calculations were made with the longest span of the monorail which demonstrates that the monorail is adequate for 4-tons of moving load. No vendor documents were found to justify the capacity of the rod hanger supports used to support this monorail. These supports were qualified (See Appendix A), based on the field walkdown measurements and material test reports.

6.0 REFERENCES

AISC, 1989, *Manual of Steel Construction, Allowable Stress Design,* Ninth Edition, American Institute of Steel Construction, Inc., Chicago, Illinois.

American Monorail Company, 1953, *Monorail System 4 Ton Maximum Capacity for F. T. Crowe & Company*, Vendor Drawing No. 773981, E-1, WHC Certified Vendor File, Blue Print File No. 7437, Cleveland, Ohio.

ANSI MH 27.1-1981, *American National Standard, Specification for Underhung Cranes and Monorail Systems*, Monorail Manufacturers Association, Inc.,

Fryer-Knowles, 1954, *Monorails - Kaiser Engineers, Sub-Contract No. 5234-35, Building 105 KE and 105 KW*, Vendor drawings, Drawing Nos. 29-1 to 29-19, WHC Certified Vendor File, Blue Print File No, 8132, Seattle, Washington.

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ICF-Kaiser Hanford Company, 1995, *105-K Basin Fuel Holding Trolley Swivel Unit Drop Lug Installation Assembly*, Drawing No. H-1-81184, ICF Kaiser Engineers, Richland, Washington

Langevin, M. J., 1995, *Safety Equipment List for K Basins*, WHC-SD-SNF-SEL-001, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

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WHC, 1993, *105-KE/105-KW Irradiated Fuel Storage Basins Seismic Qualification, Phase III of III*, WHC-SD-N031-SA-002, Westinghouse Hanford Company, Richland, Washington.

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WHC, 1995a, *Engineering Assessment of 105 K Basin Monorail*, WHC-SD-SNF-FVP-002, Rev. 0, Report prepared by NORPAC Engineering, Inc., for Westinghouse Hanford Company, Richland, Washington.

WHC, 1995b, *Engineering Assessment of Richards-Wilcox SPL #971 Flexible Transfer Crane*, WHC-SD-SNF-TA-006, Rev. 0, report prepared by NORPAC Engineering, Inc., for Westinghouse Hanford Company, Richland, Washington.

WHC, 1995c, *JCS 1K-95-00462, Remove Monorail Turntable, 105 KW*, Westinghouse Hanford Company, Richland, Washington.

WHC, 1995d, *JCS 1K-95-00463, Install/Replace Monorail Hangers, 105 KE*, Westinghouse Hanford Company, Richland, Washington.

105 K STORAGE BASIN MONORAIL PLAN

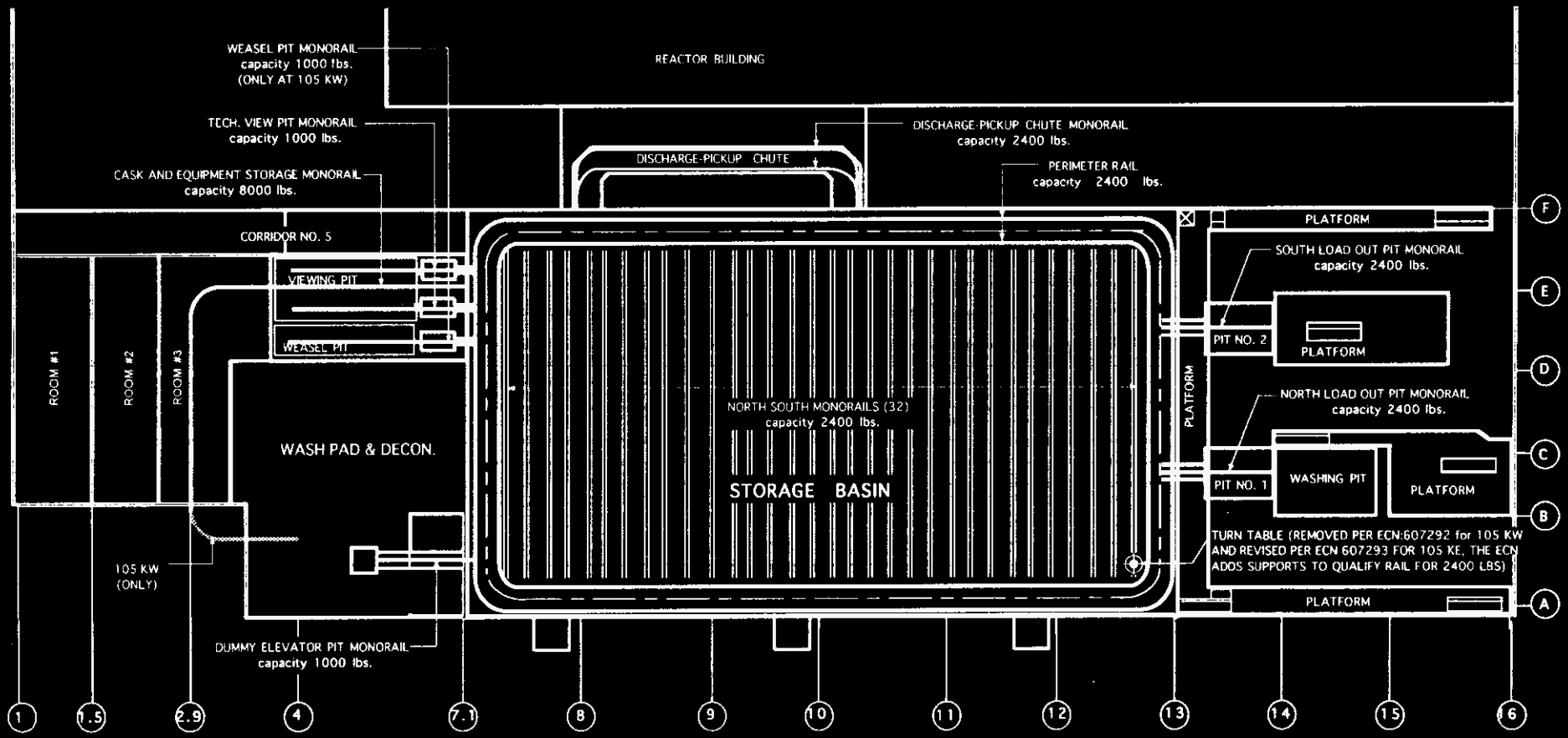
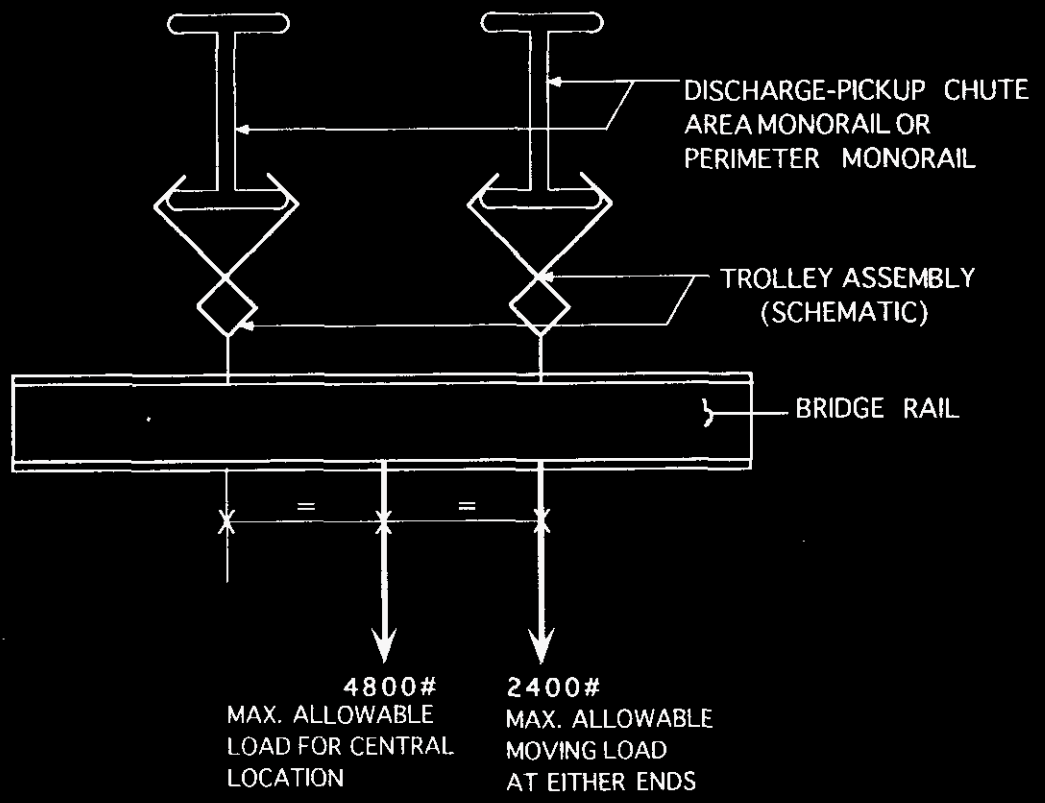


FIGURE -1

Allowable Loads For Discharge Pickup Chute Area Monorail And Perimeter Rail



NOTE: THE ALLOWABLE MOVING LOAD REDUCES FROM 4800# TO 2400# AS THE LOAD MOVES FROM THE CENTER OF THE BRIDGE RAIL TOWARDS THE END ON EITHER SIDE.

FIGURE-2

TYPICAL CHECKLIST FOR INDEPENDENT REVIEW

Document Reviewed WHC-SD-SNF-DA-003

Author S. K. Kanjilal

Yes	No	N/A	
[X]	[ ]	[ ]	Problem completely defined.
[X]	[ ]	[ ]	Necessary assumptions explicitly stated and supported.
[X]	[ ]	[ ]	Computer codes and data files documented.
[X]	[ ]	[ ]	Data used in calculations explicitly stated in document.
[X]	[ ]	[ ]	Data checked for consistency with original source information as applicable.
[X]	[ ]	[ ]	Mathematical derivations checked including dimensional consistency of results.
[X]	[ ]	[ ]	Models appropriate and used within range of validity or use outside range of established validity justified.
[X]	[ ]	[ ]	Hand calculations checked for errors.
[X]	[ ]	[ ]	Code run streams correct and consistent with analysis documentation.
[X]	[ ]	[ ]	Code output consistent with input and with results reported in analysis documentation.
[X]	[ ]	[ ]	Acceptability limits on analytical results applicable and supported. Limits checked against sources.
[X]	[ ]	[ ]	Safety margins consistent with good engineering practices.
[X]	[ ]	[ ]	Conclusions consistent with analytical results and applicable limits.
[X]	[ ]	[ ]	Results and conclusions address all points required in the problem statement.

Reviewer

9-6-95
Date

TYPICAL CHECKLIST FOR INDEPENDENT REVIEW

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Author S. M. McGuire

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[✓]	[ ]	[ ]	Necessary assumptions explicitly stated and supported.
[✓]	[ ]	[ ]	Computer codes and data files documented.
[✓]	[ ]	[ ]	Data used in calculations explicitly stated in document.
[✓]	[ ]	[ ]	Data checked for consistency with original source information as applicable.
[✓]	[ ]	[ ]	Mathematical derivations checked including dimensional consistency of results.
[✓]	[ ]	[ ]	Models appropriate and used within range of validity or use outside range of established validity justified.
[✓]	[ ]	[ ]	Hand calculations checked for errors.
[✓]	[ ]	[ ]	Code run streams correct and consistent with analysis documentation.
[✓]	[ ]	[ ]	Code output consistent with input and with results reported in analysis documentation.
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[✓]	[ ]	[ ]	Safety margins consistent with good engineering practices.
[✓]	[ ]	[ ]	Conclusions consistent with analytical results and applicable limits.
[✓]	[ ]	[ ]	Results and conclusions address all points required in the problem statement.

L. Hyde
Reviewer

9/6/95
Date

TYPICAL CHECKLIST FOR INDEPENDENT REVIEW

Document Reviewed WHC-SD-SNF-DA-003

Author S. K. Koujalgi

Yes	No	N/A	
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[✓]	[ ]	[ ]	Necessary assumptions explicitly stated and supported.
[ ]	[ ]	[✓]	Computer codes and data files documented.
[✓]	[ ]	[ ]	Data used in calculations explicitly stated in document.
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[✓]	[ ]	[ ]	Safety margins consistent with good engineering practices.
[✓]	[ ]	[ ]	Conclusions consistent with analytical results and applicable limits.
[✓]	[ ]	[ ]	Results and conclusions address all points required in the problem statement.

Reviewer

Sept 6, 95
Date

105K STORAGE BASIN MONORAIL QUALIFICATIONS

APPENDIX A

CALCULATIONS

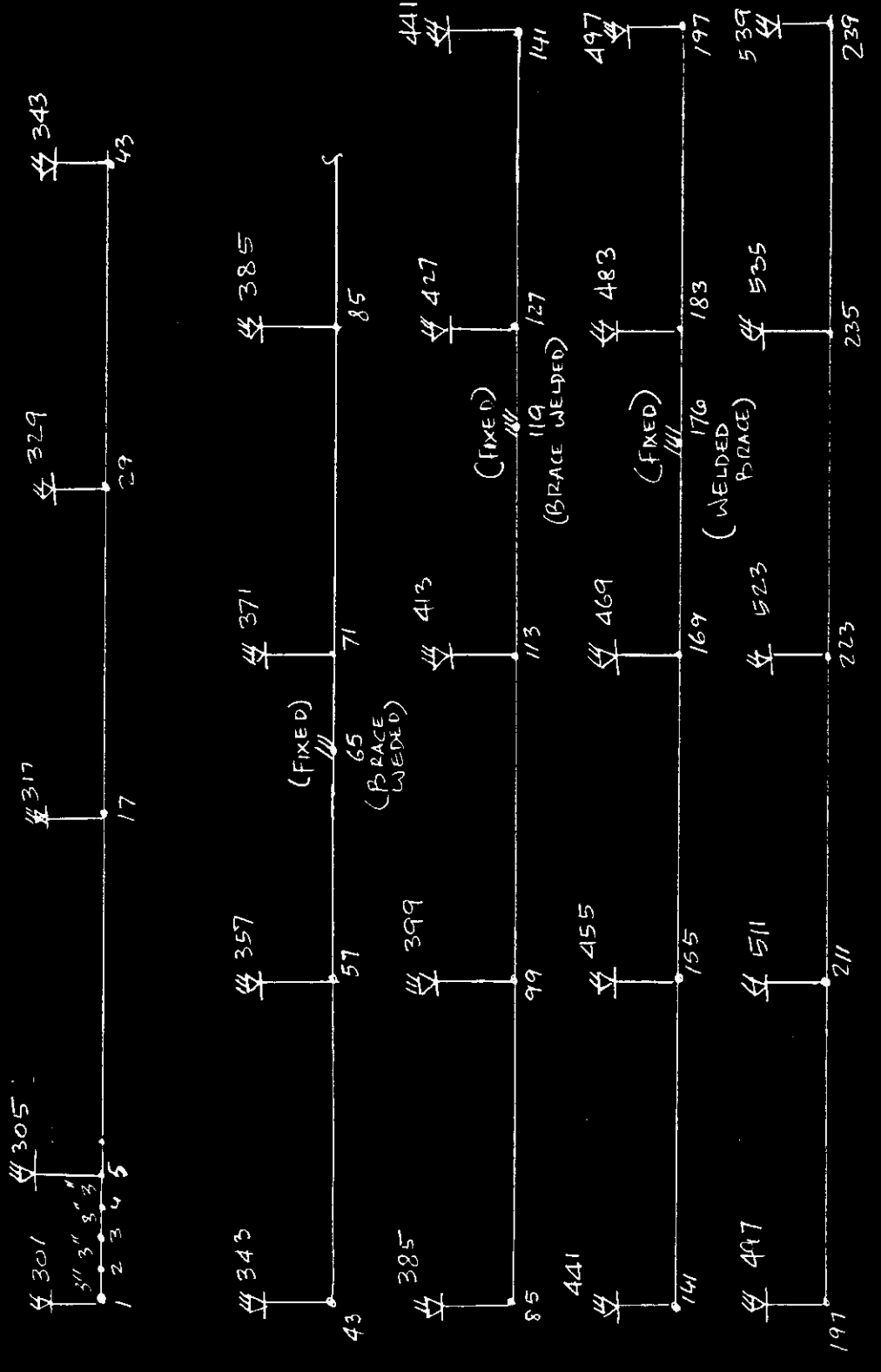
ANALYTICAL CALCULATIONS

Page _____ of _____

Subject STORAGE BASIN MONORAIL ANALYSIS

Originator [signature] Date 2/9/95

Checker [signature] Date 2/16/95



ANALYTICAL CALCULATIONS

Page _____ of _____

Subject Storage Basin Monorail analysis

Originator SKgupta Date 2/15/95

Checker N Ashe Date 2/16/95

North South monorail on the Storage Basin area :

A Computer model is made for the N-S monorail with all rod hanger supports. At the location of braces connected to top of monorail a fixed support is assumed. These locations are welded with the top flange of the monorail.

The support reactions are checked for (1) a single moving load (2) two moving loads (3) three moving loads. All loads are kept 4 ft. apart.

The peak reactions for all the three load cases are less than 2400#. The hanger rod capacity is 2500# > 2400# hence North South monorail hangers are good for a moving load of 2400#. The loads are applied 6" apart, 1200# each.

Attached is a sketch showing the influence line for a typical support.

ANALYTICAL CALCULATIONS

Page _____ of _____

Subject Storage Basin Monorail analysis

Originator SKaushal Date 2/15/95

Checker NBlee Date 2/16/95

Check monorail for 2400# load.

Max. moment for a max. span of 3'-6"

$= \frac{2400 \times 42}{4} = 25{,}200$ #in.

S 6x12.5, Section modulus = 7.37

$\delta_b = \frac{25200}{7.37} = 3419$ psi.

$\angle \frac{1}{5} \times 60 = 12$ ksi o.k.

(Refer ANSI MH 27.1-1981, specifications for underhung (cranes & monorail systems)

Check for Compact Section: (AISC Criteria)

$\frac{76\,bf}{\sqrt{Fy}} = \frac{76 \times 3.32}{\sqrt{36}} = 42$

$\frac{20{,}000}{(d/Af)\,Fy} = \frac{20{,}000}{5.02 \times 36} = 110.7"$

$L_c = 42"$ same as span 3'-6"

hence reduction of allowable stress due to Compression flange is not required.

This section is ok.

ANALYTICAL CALCULATIONS

Page ____ of ____

Subject: Monorail in K area Storage basin

Originator: SK Duplal   Date: 2/15/95

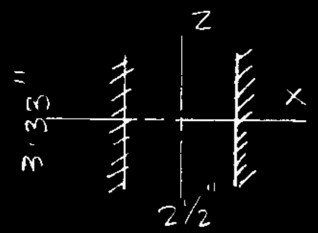
Checker: [illegible]   Date: 2/16/95

Check weld between lateral brace and Top of Monorail section:

L 2½ × 2½ × 3/16, (support Node # 65, & 176)

C12 (support Node# 119)

WELD PROPERTIES:



$A_w = 2 \times 3.3 = 6.66$ in.

$S_z = 3.33 \times 2.5 = 8.325$ in²

Max load due to moving load

(a) Single moving load   (Comp. output)

Node# 65 $F_Y = 1684^{\#}$ $M_z = 15390^{\#}$in (NS.OUT)

Node# 119 $F_y = 1374^{\#}$ $M_z = 15837^{\#}$in (NS2.OUT)

Node# 176 $F_y = 1394$ $M_z = 15337^{\#}$in (NS3.OUT)

(b) Two Moving Loads:

Node# 65 $F_y = 1530^{\#}$ $M_z = 17194^{\#in}$ (RNS2.OUT)

(c) Three Moving loads

Node# 65 $F_y = 1569^{\#}$ $M_z = 16563^{\#in}$

Enveloped Load $F_y = 1684^{\#}$, $M_z = 17194^{\#}$in.

ANALYTICAL CALCULATIONS

Page _____ of _____

Subject Monorail in K area storage Basin

Originator Skaufstad Date 2/15/95

Checker [illegible] Date 2/16/95

Weld stress:

$$fy = \frac{1684}{6.66} + \frac{17194}{8.325} = 2319\ ^{\#}/_{in}.$$

Weld allowable: $3/16 \times .707 \times 18000 = 2386\ ^{\#}/_{in}$

$> 2319\ ^{\#}/_{in}.$

OK.

Note: The moment & forces in the brace point will be less based on the stiffness of the cross bracing, hence weld will have a good Margin of safety.

NOTE: The third party inspection identified a missing dustpan row 32, just above the truck turn table. As the truck turn table is at the end of the truck 32 there are two alternatives

(I) Put an administrative control and truck stop so that no hoist can pass through.

(II) Weld the small turn around piece with the existing mono rail.

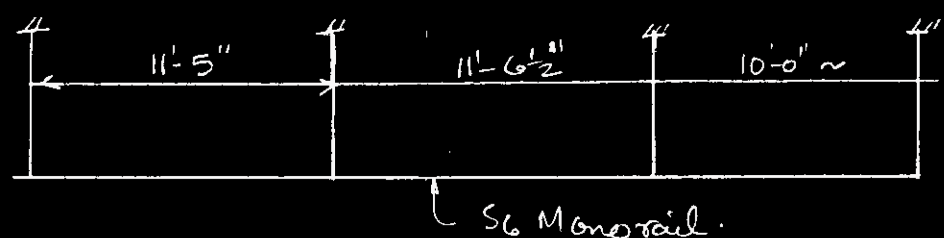
ANALYTICAL CALCULATIONS

Page ____ of ____

Subject: Storage Basin Monorail analysis
Originator: [signature] Date: 2/15/95
Checker: [signature] Date: 2/16/95

Monorail East side (Between Column line (4) & (7.1))

(Ref. Fries Knowles Drawing NOS. 29-5)



All rod hangers are 3/4" Φ drop rod.

Assuming Simply Supported
Max moment for 2400# load

$= \frac{2400 \times 11.5}{4} \times 12$

$= 82,800$ lb-in.

Section Modulus of $S6 \times 12.5 = 7.37$

Bending Stress $= \frac{82,800}{7.37} = 11,235$ psi $< \frac{1}{5} \times 60,000 = 12000$ psi

O.K.

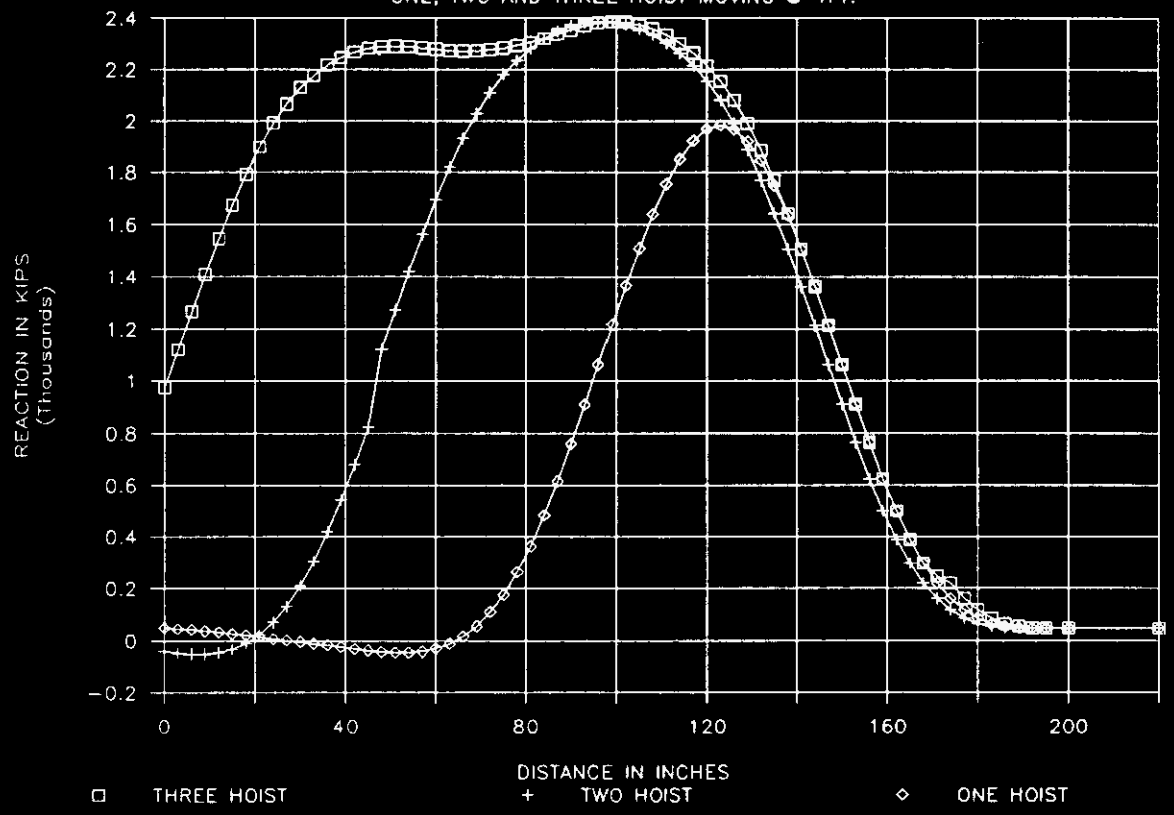
Max deflection $= \frac{2400 \times (138.5)^3}{48 \times 30 \times 10^6 \times 22.1} = 0.2"$

Allowable deflection $= \frac{L}{450} = \frac{138.5}{450} = 0.3" > .2"$ OK

(Refer ANSI MH 27.1-1981, for allowable deflection)

INFLUENCE LINE OF REACTIONS, NODE # 343

ONE, TWO AND THREE HOIST MOVING @ 4FT.



2/15/95

ANALYTICAL CALCULATIONS

Page _____ of _____

Subject Storage Basin Monorail analysis

Originator [illegible] Date 2/15/95

Checker [illegible] Date 2/16/95

Check monorail as a flexural member.
(Per AISC, 9th edition, 1.5.14.5)

Check for Compression flange.

$$\frac{76\,b_f}{\sqrt{F_y}} = \frac{76 \times 3.32}{\sqrt{36}} = 42"$$

$$\frac{20{,}000}{(d/A_f)\,F_y} = \frac{20{,}000}{5.02 \times 36} = 110.7"$$

for S6x12.5 $b_f = 3.332"$ $d/A_f = 5.02$ $r_T = .79$

$C_b = 1$ $F_y = 36$ ksi (assumed)

$L_c = 42"$

Actual Max span $= 11'-6\tfrac{1}{2}" = 138.5" > L_c(42")$

$$\sqrt{\frac{102 \times 10^3 C_b}{F_y}} = \sqrt{\frac{102 \times 10^3}{36}} = 53.2 < 175.3$$

$$\sqrt{\frac{510 \times 10^3 C_b}{F_y}} = 119$$

$$L/r_T = \frac{138.5}{.79} = 175.3 > 119 \text{ \& } 53.2$$

So allowable bending stress

$$F_b = \frac{170 \times 10^3 C_b}{(L/r_T)^2} = \frac{170 \times 10^3}{(175.3)^2} = 5.53 \text{ ksi}$$

ANALYTICAL CALCULATIONS

Page _____ of _____

Subject Storage Basin monorail Analysis

Originator [signature] Date 2/15/95

Checker [signature] Date 2/16/95

Max bending moment allowed = 5.53 x (section modulus) 7.37

= 40.77 k-in.

or 40771 # in.

$$\text{Max moment} = \frac{P \times 138.5}{4} = 34.625\,P$$

$$\therefore P = \frac{40771}{34.625} = 1177.5 \text{ lbs.}$$

Use say 1150#

Monorails over viewing, weasel pit, & between (bl. lines 2) & 7.1 is rated for 1150#.

ANALYTICAL CALCULATIONS

Page ____ of ____

Subject: Storage Basin Monorail Qualifications.
Originator: SK Ouplal Date: 2/15/95
Checker: [illegible] Date: 2/16/95

Discharge chute area monorail:

Check monorail S6x12.5 as a flexural member:

Max span between the supports = 10'-0" (Refer Faye [illegible] Drg. 29-11)

The top flange of the monorail are braced every 3'-6" approximately by welding a channel between the two rails.

Max span (braced) = 42", L_c = 42", hence allowable bending stress δ_b = 0.2 x 60 = 12 ksi.

Max. moment for 10' span and with 2400 lb. load

$$= \frac{2400 \times 10 \times 12}{4} = 72,000 \text{ lb-in.}$$

$$\delta_b = \frac{72000}{S = 7.37} = 9769 \text{ psi} < 12 \text{ ksi}$$

O.K.

These monorails are good for 2400# of moving loads.

Supports are O.K. for 2500#

ANALYTICAL CALCULATIONS

Page _____ of _____

Subject Storage Basin Monorail Analysis

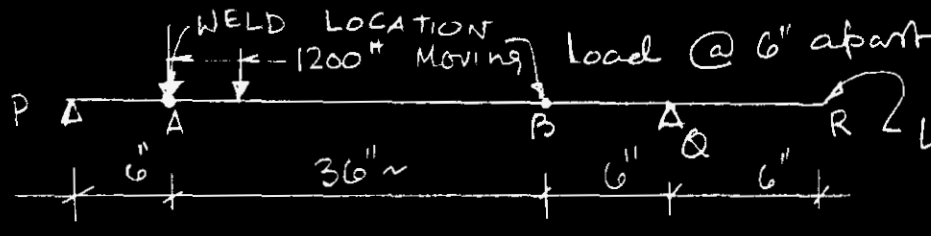
Originator [illegible] Date 2/9/95

Checker [illegible] Date 2/16/95

South Load out pit monorail.

Check the monorail for 2400 lbs. of loading.

Check the welded portion of the monorail as a simple Support Beam.



$$R_P = \frac{1200 \times 36 + 1200 \times 42}{48} = 1950^{\#}$$

$$R_Q = 2400 - 1950 = 450^{\#}$$

The weld is critical when one wheel passes over the joint.

Moment at A = $1950 \times 6 = 11{,}700$ lbs.

Assume the weld length is 5"

Weld prop: $A_w = L = 5$

$S_{wx} = \frac{L^2}{6} = 4.17$

Weld stress:

$$f_y = \frac{1950}{5} = 390 \ ^{\#}/_{in.}$$

$$f_z = \frac{11700}{4.17} = 2806 \ ^{\#}/_{in.}$$

$$f_r = \sqrt{(390)^2 + (2806)^2} = 2833 \ ^{\#}/_{in.}$$

This is a Butt weld, throat = 0.232" (thickness ratio 5

Weld Capacity = $0.3 \times 60{,}000 \times .232 = 4176 \ ^{\#}/_{in.}$

$> 2833 \ ^{\#}/_{in.}$

O.k.

ANALYTICAL CALCULATIONS

Page ____ of ____

Subject: Storage Basin Monorail Analysis

Originator: SK Gupta (signature) Date: 2/9/95

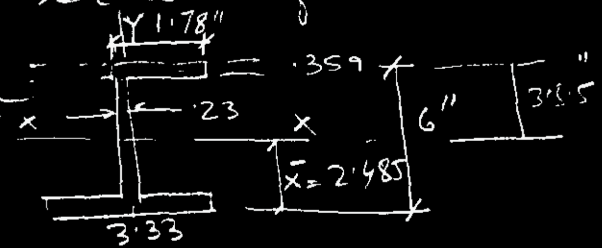
Checker: (signature) Date: 2/16/95

(*) Field to verify this weld length and Certified by QA.

Field walk down Concerns:

Monorails between Q & R have 3 Slotted holes in the top flange on either side of the web. Also in one place the top flange is cut.

Assuming a section of the mono rail as below.



Find C.G. of Section.

$$\bar{x} = \frac{1.78 \times .359 \times (6 - \frac{.359}{2}) + 5.282 \times .23 \times 3 + 3.33 \times .359 \times .179}{(1.78 \times .359 + 5.282 \times .23 + 3.33 \times .359)}$$

$= 3.0489$

$$= \frac{3.719 + 3.645 + .214}{3.0489} = 2.485$$

$$I_{xx} = \frac{1}{12} \times 1.78 \times (.359)^3 + 1.78 \times .359 \times (3.335)^2 + \frac{1}{12} \times .23 \times (5.282)^3 + 5.282 \times .23 \times (.156)^2 + \frac{1}{12} \times 3.33 \times (.359)^3 + 3.33 \times .359 \times (2.305)^2$$

$= .007 + 7.1 + 2.824 + .03 + .01 + 6.35$

$= 16.32$

$$S_{x\,min} = \frac{16.32}{3.515} = 4.64 \text{ in}^3$$

ANALYTICAL CALCULATIONS

Page _____ of _____

Subject Storage Basin Monorail Analysis

Originator [signature] Date 2/9/95

Checker [signature] Date 2/16/95

Max. moment as Cantilever

$= 2400 \times 6 = 14,400$ #in. (conserv.)

(The load is spreaded 6" apart, hence conservative)

$$\sigma_{bx} = \frac{14,400}{4.64} = 3103 \text{ psi}$$

< 12 Ksi O.K.

Using the most conservative Section, the monorail is O.K. for 2400 lbs. load.

ANALYTICAL CALCULATION

Page _____ of _____

Subject Storage Basin Monorail Analysis

Originator S.K. Gupta Date 2/9/95

Checker [illegible] Date 2/16/95

Mechanical equipment monorail:

Vendor documents for support are not available. this monorail is marked 4 Tons Capacity.

Check the monorail for flexure:

Monorail section is 10WF33

Max. span = 13' = 156"

for 4 Ton load

Max Moment = $\frac{8000 \times 156}{4}$ = 312000 lbin

Section modulus of 10WF33 = 35.0

Bending stress = $\frac{312000}{35}$ = 8914 psi.

< 12 ksi o.k.

Check Compression flange:

l_c = 8.4 ft = 101" r_T = 2.14

$\frac{L}{r_T} = \frac{156}{2.14} = 72.89 < l_c$

$\sqrt{\frac{510 \times 10^3 C_b}{F_y}} = 119 > l_c$

$F_b = \left[\frac{2}{3} - \frac{F_y (L/r_T)^2}{1530 \times 10^3 C_b}\right] F_y$

$= \left[\frac{2}{3} - \frac{36(72.89)^2}{1530 \times 10^3 \times 1}\right] 36 = 19.51$ ksi > 8914 psi o.k.

The section is good for carrying 4T of moving Load.

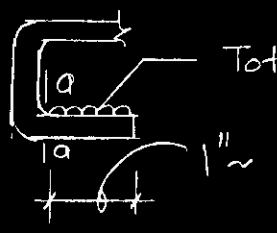
DESIGN CALCULATION

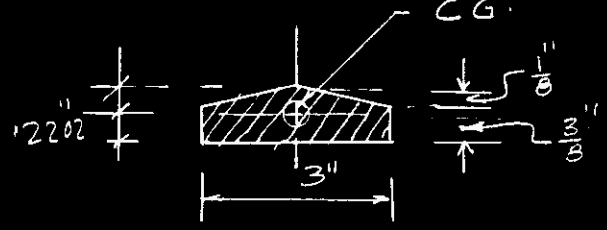
(1) Drawing _____ (2) Doc. No. _____ (3) Page _____ of _____
(4) Building _____ (5) Rev. _____ (6) Job No. _____
(7) Subject 105 KE / 105 KW Storage Basin Monorail.
(8) Originator SKQuraishi Date 7/10/95
(9) Checker _____ Date 8/25/95

(10) 4 Ton monorail in Room No; 3.

Check the clamp bottom Corner.

Total load = 4 Tons
Load on each side = 2 Tons = 4000 #





SECTION a-a

Find CG of the Section a-a

from bottom face $\bar{x} = \dfrac{3/8 \times 3 \times 3/16 + \frac{1}{2} \times 3 \times 1/8 \times .417}{3/8 \times 3 + \frac{1}{2} \times 3 \times \frac{1}{8}}$

$= .2202"$

Moment of Inertia:

$\frac{1}{12}[3 \times (.375)^3] + 3 \times .375 \times (.0327)^2 + \frac{3 \times .125^3}{36} + \frac{1}{2} \times 3 \times \frac{1}{8} \times (.4167)^2$

$= .0471 \text{ in}^4$

Section Modulus $(M_{sx}) = \dfrac{.0471}{(.5 - .2202)} = 0.1684 \text{ in}^3.$

Moment $(m_{max}) = 4000 \times .5 = 2000$ #-in.

$\delta_b = \dfrac{2000}{.1684} = 11880$ psi ≈ 11.88 ksi.

yield stress for AISI 1541 steel $= 0.6 \times 100$ ksi
$= 60$ ksi > 11.88 ksi

(Refer Metals Handbook - 9th Edition, American Society for Metals, Metals park, OHIO 44073)

DESIGN CALCULATION

(1) Drawing ______ (2) Doc. No. ______ (3) Page ____ of ____

(4) Building ______ (5) Rev. ______ (6) Job No. ______

(7) Subject 105 KE / 105 KW Storage Basin Monorail

(8) Originator [signature] Date 7/10/95

(9) Checker [signature] Date 8/25/95

(10) 4 Ton Monorail in Room - No. 3.

The peak stress may increase due to sharp corner, since the margin of safety is very high, the stress concentration at the sharp corner will be within the allowable limits.

Top portion of the clamp: The top has larger cross sectional area because of a stiffening element of width 1/2" approx. The bending stress will be less than at the monorail attachment points. The clamps are adequate to carry 4 Tons of loads.

ANALYTICAL CALCULATIONS

Page _____ of _____

Subject: 105 K Storage Basin Monorail

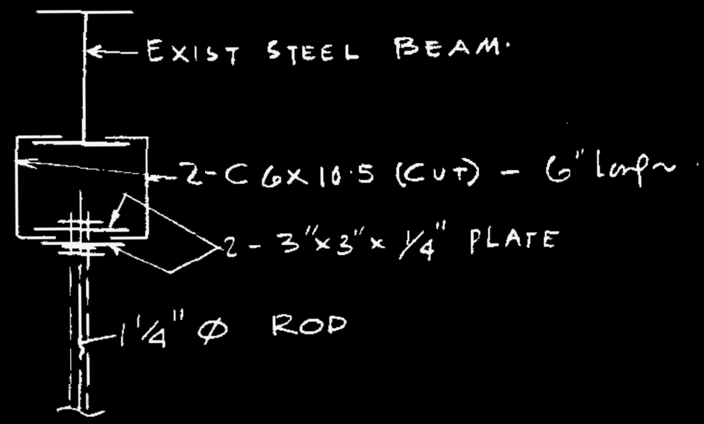
Originator: [signature] Date: 8/25/95

Checker: [signature] Date: 8/25/95

4 Ton monorail in Room No 3.

Support Qualifications. 4 Ton capacity
Load = 8 Kips.

UPPER CLAMP



Stresses in 1 1/4" Φ rod.

Nominal area = 1.227 in², Using A-33 steel

Allowable tensile stress = .6 x 33 = 19.8 ksi

Allowable tensile load = 19.8 x 1.227
= 24 kips > 8k
OK.

Check shear stress in channel

Load = 4 kips on each.

Web area = 6 x .314 (= tw) = 1.884

Shear stress on web = 4.0/1.884
= 2.1 ksi <
.4 x 33 = 13.2 ksi O.K

The top flange of the channel is fully supported
hence no local bending.

ANALYTICAL CALCULATIONS

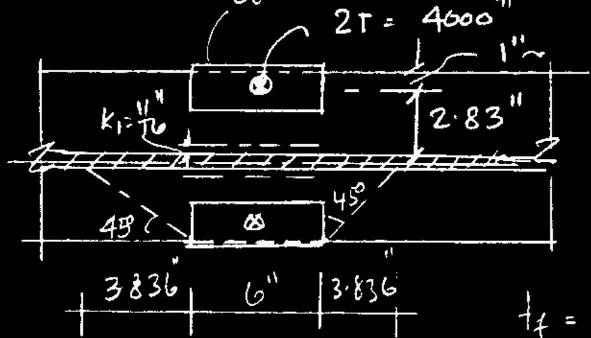
Page ____ of ____

Subject: 105K STORAGE BASIN MONORAIL

Originator: [signature] Date: 8/23/95

Checker: [signature] Date: 8/[illegible]

Check Local flange bending of Existing 10 WF 33 beam.



Effective width of flange

$= 3.836 \times 2 + 6 = 13.67$

$t_f = .433$ in. Section Modulus

$= 1/6 \times 13.67 \times .433^2$

$= .427$ in^3

Σ Moment $= 4000 \times (2.83'' - \frac{11}{16}^*)$

$= 8570$ #in.

* 11/16 = k1 (AISC - 9th edition)

$\delta_b = \frac{8570}{.427} = 20.07$ ksi $< .75 \times 33$

$= 24.75$ ksi

OK.

Existing steel is GOOD.

ANALYTICAL CALCULATIONS

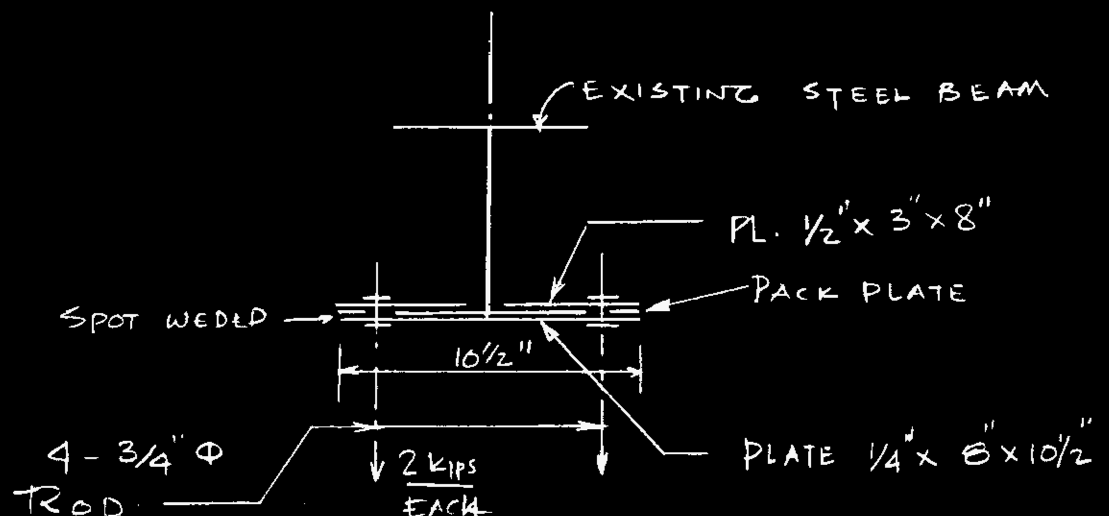
Page ____ of ____

Subject: 105 KE/105 KW Storage Basin Monorail

Originator: [illegible] Date: 8/25/95

Checker: [illegible] Date: 8/

Check 4 - 3/4" Φ hanger support



Load on each rod = 2 kips

Tensile stress = $\frac{2}{.4418 \text{ (area)}}$ = 4.5 ksi < 19.8 ksi O.K.

Check top plate 1/2" thick.

Moment = 4 × 1" ~ = 4 k-in.

Section modulus = 1/6 × 8 × (.5)^2 = 0.33 in^3

f_b = 4/.33 = 12 ksi < 19.8 ksi O.K.

The bottom plate is fully supported, the nuts & washers are close to the flange. No moment. The support is o.k.

SOUTH LOAD OUT PIT MONORAIL CALCULATIONS

ANALYTICAL CALCULATIONS

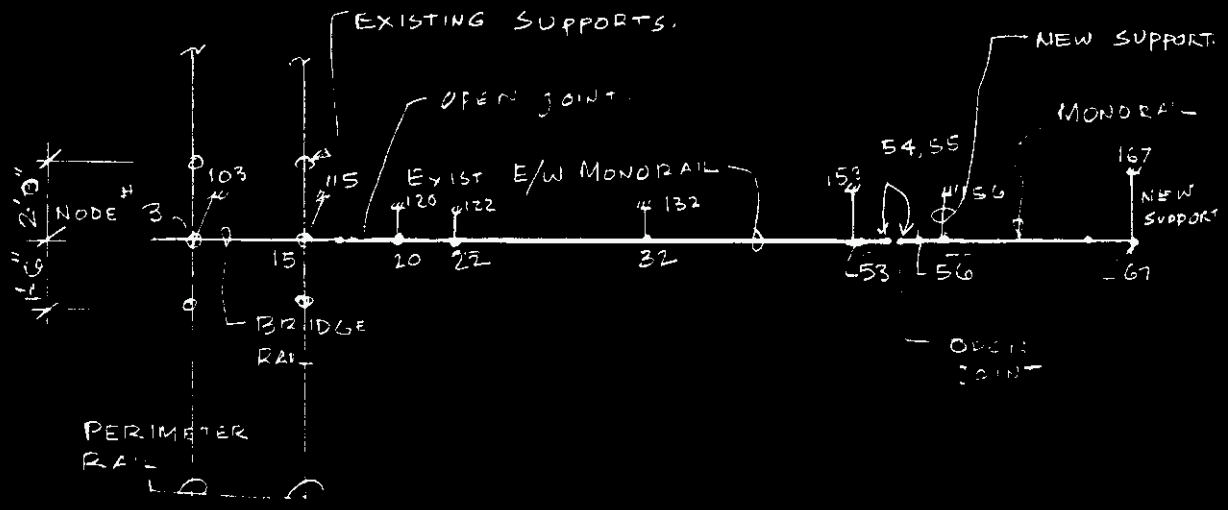
Page 1 of

Subject West View Pit Monorail 105 KW

Originator [illegible] Date 12/21/94

Checker L. Hyde Date 12/28/94

SOUTH LOAD OUT PIT MONORAIL



WEST VIEW PIT MONORAIL PLAN
(SHOWING SUPPORT NODES)
& MODEL

ANALYTICAL CALCULATIONS

Page 2 of ____

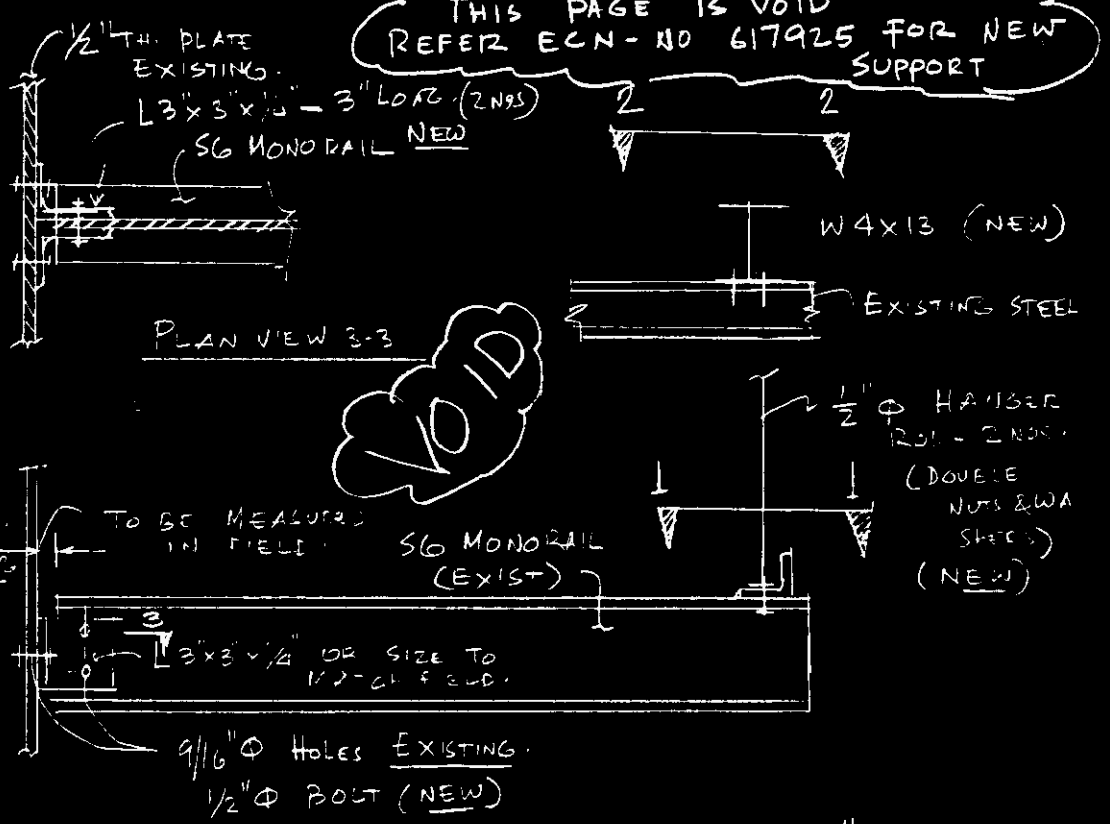
Subject West View Pit Monorail 105 KW

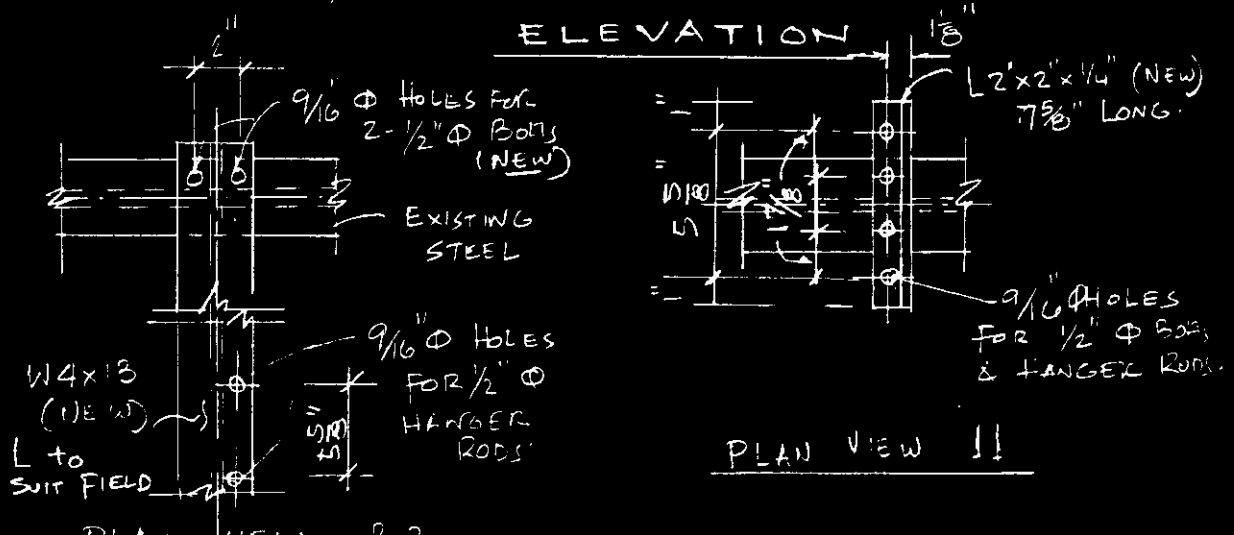
Originator [illegible] Date 12/21/94

Checker L. Hyde Date 12/28/94

DETAILS OF SUPPORT FOR MOVABLE MONORAIL IN WEST VIEW PIT AREA.

THIS PAGE IS VOID
REFER ECN-NO 617925 FOR NEW SUPPORT





ANALYTICAL CALCULATIONS

Page 3 of ____

Subject: West View pit Monorail 105 KW

Originator: [signature] Date: 12/21/94

Checker: L. Hyde Date: 12/28/94

WEST VIEW PIT AREA

SUPPORT QUALIFICATIONS:

(Refer Computer output - W3.OUT.)

SUPPORT NODE	MAXIMUM REACTIONS
103	3275#
115	3275#
120	2003#
122	1477#
132	3172#
153	3018#
156	3022#
167	2768#

Design Load: Wt. of Lid ≈ 2100#
Hoist ≈ 200#

2300#

Test Load @ 1.25 times = 2875#

Design Load = 3000#

Carried by 4 wheels, 2 wheels on either side of flange and [illegible]

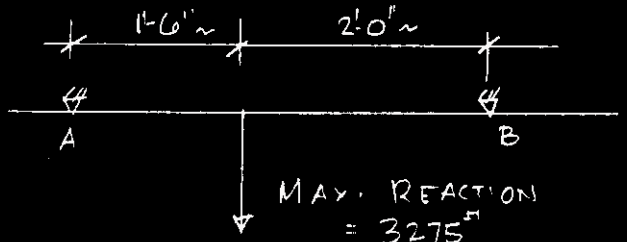
ANALYTICAL CALCULATIONS

Subject West View Pit Monorail 105 KW

Originator Somayulal Date 12/21/94

Checker L. Hyde Date 12/26/94

Check Support for perimeter rail, Node# 103 & 115



$R_A = \frac{3275 \times 2}{3.5} = 1871^{\#}$ } $< 2000^{\#}$

$R_B = 3275 - 1871 = 1404^{\#}$ } Support OK

(Ref. Richards Wilcox Catalog)

Check Bridge Rail

Capacity for this rail = $2000^{\#} < 3275^{\#}$

NOT GOOD

Bridge rails need to be changed and a new bridge rail of 2 Ton Capacity need to be installed.

ANALYTICAL CALCULATIONS

Page 5 of

Subject West View pit Monorail 105 KW

Originator [illegible] Original Date 12/21/94

Checker L. Hyde Date 12/28/94

Check Support at Node # 120

Reaction = 2002#

supported by 2-½" Φ bolts. area allowable tension

Tension Capacity = 0.1963 x 20

= 3926# each > 2002#

(Assume A-307 bolts and allowable tension stress = 20 ksi)

[illegible]

Check Support at Node # 122, 132, 136

Max load = 3172#

Both Supports are Connected by 4-½" Φ

Bolt load/bolt = 3172/4 = 793# < 3926#

Bolts are OK. Support Good.

check S6 monorail for bending:

Max Span 4'-6"

Max. Moment = $\frac{3000 \times 54}{4}$ = 40500 #in.

S6 x12.5, Section Modulus = 7.37 in³, Assuming 33 ksi Yield Stress.

$\delta_b = \frac{40500}{7.37}$ = 5495 psi < 0.6 x 33

= 19.8 ksi

OK.

ANALYTICAL CALCULATIONS

Subject: West view pit monorail 105 KW
Originator: [signature] Date: 12/21/94
Checker: L. Hyde Date: 12/28/94

Check new support at Node# 156

Max load = 3022#

Load / bolt = 3022/2 = 1511# < 3926# O.K.

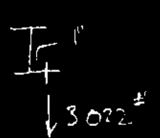
tension in rod hanger = $\frac{1511}{0.196}$ = 7.7 ksi

< 16x36 = 21.6 ksi
O.K.

Check W4x13.

Span is small the beam is OK for bending stress by engineering judgement.

Check Torsion.



Torsion moment = 3022 x 1 = 3022#-in.

'J' = .154 , t_f = .345

Torsional shear stress = $\frac{3022 \times .345}{.154}$

= 6770 psi <

.4x36 = 14.4 ksi
O.K.

ANALYTICAL CALCULATIONS

Page 7 of ____

Subject: West view pit monorail 105 KW

Originator: S.K. Aiyelal Date: 12/21/94

Checker: L. Hyde Date: 12/28/94

Check support at node # 167

Max reaction = 2768#

Check shear allowable for 1/2" ⌀ A-307 bolts.

Allowable shear stress = 10 ksi

for 1/2" ⌀ bolt allowable

Shear load = 10 x .196 = 1.96 kips

Two bolts are in single shear

Allowable load = 2 x 1.96 = 3.92 kips

> 2.768 k

Support is ok.

Existing steel is Section properties of the Existing steel are high compared to the load. Hence the stress developed in existing steel are small. Existing steel is OK by Engineering judgement. No further calculations are required.

ANALYTICAL CALCULATIONS

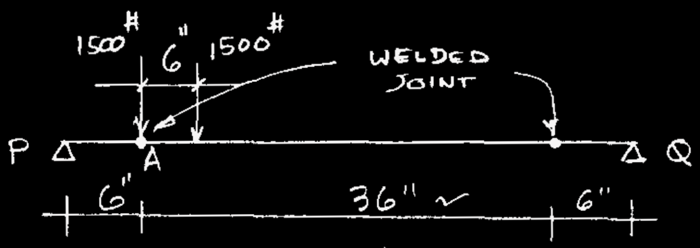
Page 8 of ____

Subject: West Vien Pikrare Monorail 105 KW

Originator: [signature] Date: 12/28/1994

Checker: L. Hyde Date: 12/28/94

Check Weld between pc Mk TW & TV or TR.



Check as Simple supported beam:

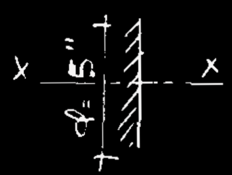
$$R_P = \frac{1500 \times 36 + 1500 \times 42}{48} = 2437.5^{\#}$$

$$R_Q = 3000 - 2437.5 = 562.5^{\#}$$

Critical when one of the loads is at the joint.

Moment at A = 2437.5 × 6 = 14625 #-in.

⊗ Field to verify



weld properties:

$A_w = 5''$

$S_{w_x} = d^2/6 = 5^2/6 = 4.17 \text{ in}^2$

Weld stress

$$f_y = \frac{2438}{5} = 494 \ \#/\text{in}$$

$$f_z = \frac{14625}{4.17} = 3507 \ \#/\text{in}$$

$$f_r = \sqrt{(494)^2 + (3507)^2} = 3542 \ \#/\text{in}$$

Part no 3906, Richard Wilcox monorail corresponds to S6×12.5" section.

Weld Capacity: Butt weld, Throat = t_w = 0.232"

Capacity = 0.3 × 60,000 × 0.232 = 4176 #/in

> 3542 #/in OK.

NOTE: Field to verify the Weld length ≥ 5".

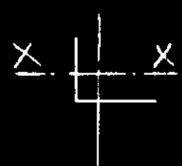
ANALYTICAL CALCULATIONS

Subject: West-View Pit area Monorail 105 KW
Originator: [signature] Date: 12/28/94
Checker: L. Hyde Date: 12/28/94

Check bending of PC MK BT (Node# 122)

L 5" × 3½" × 3/8" (refer Knowles drwg. ... Sht 29-10)

$S_x = 2.24\ in^3$.



Max. reaction at node# 122 = 1477#

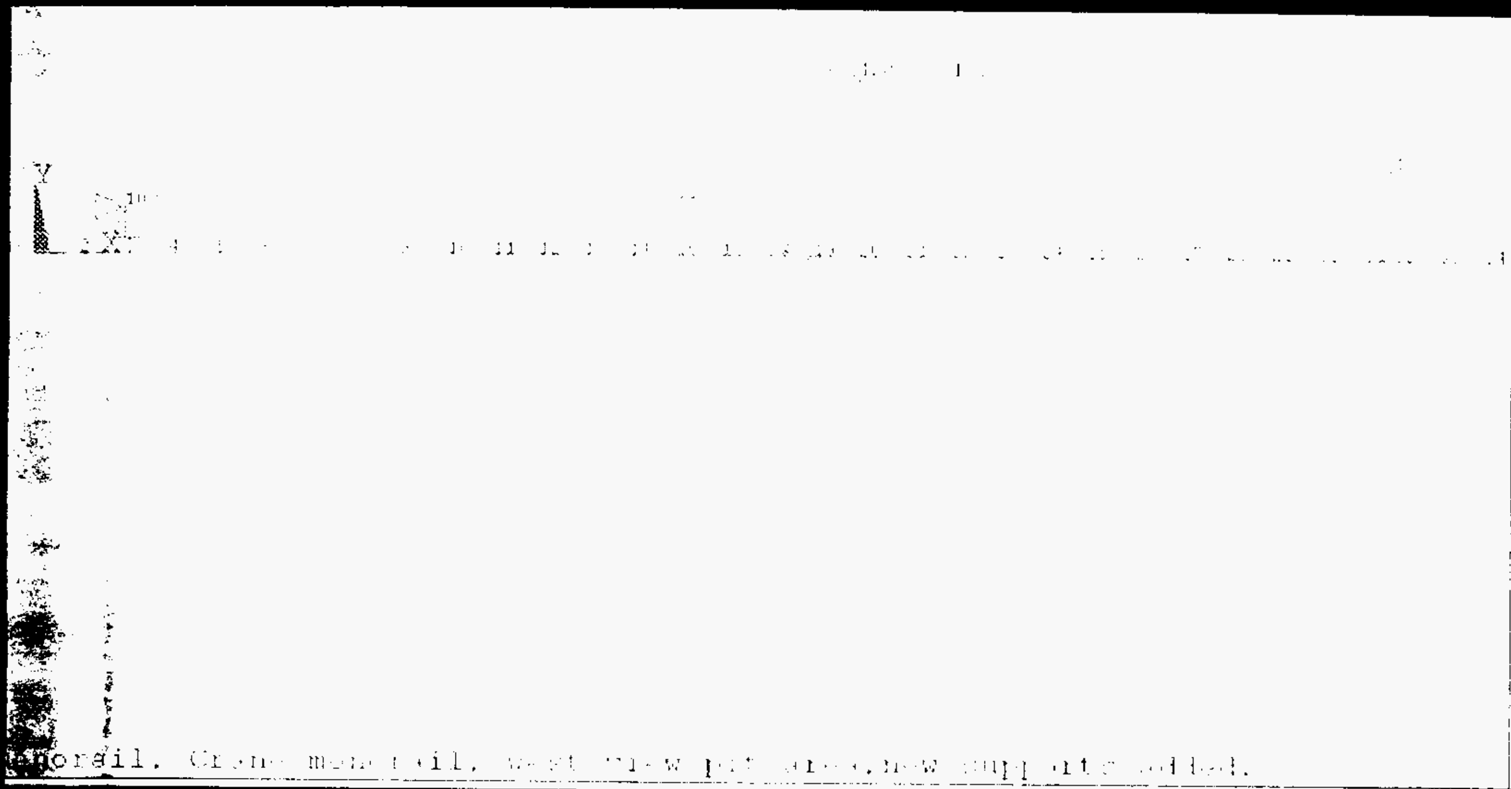
Span = 2'-9½" = 33.5 in.

Moment = 1477 × 33.5/4 = 12370 #in.

$\sigma_{bx} = \frac{12370}{2.24} = 5522\ psi$

$< 0.6 \times 33 = 19.8\ ksi$

O.K.



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REV-0 Page - A-31

Page - 10

West View pit monorail 105 KW

[signature] 12/28/94
L. Hyde 12/28/94

monorail, [illegible]

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REV-0 Page - A-32

Page - 11

West view of Monorail 105 KW

Engineer 12/28/94

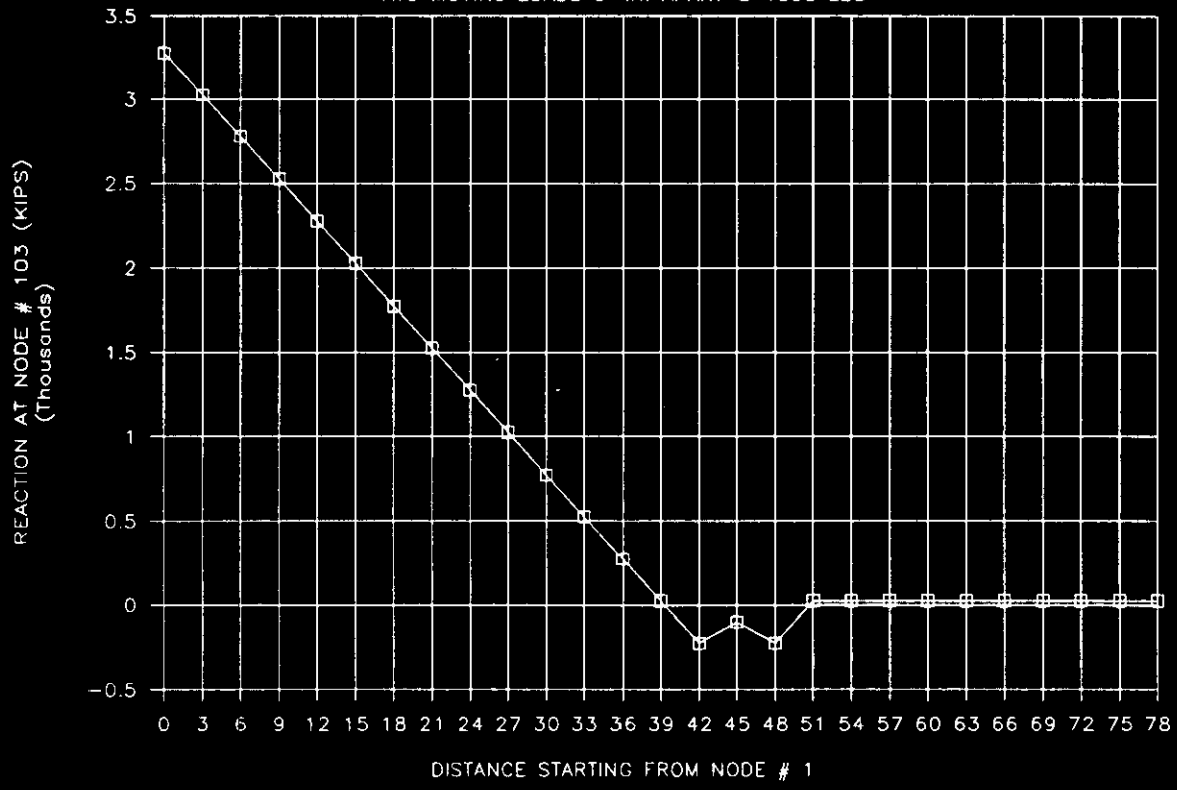
L. Hyde 12/28/94

WEST VIEW PIT 105 KW

Skanfield
L. Lyle 12/29/94

INFLUENCE LINE OF REACTIONS, NODE # 103

TWO MOVING LOADS 6-IN. APART @ 1500 LBS

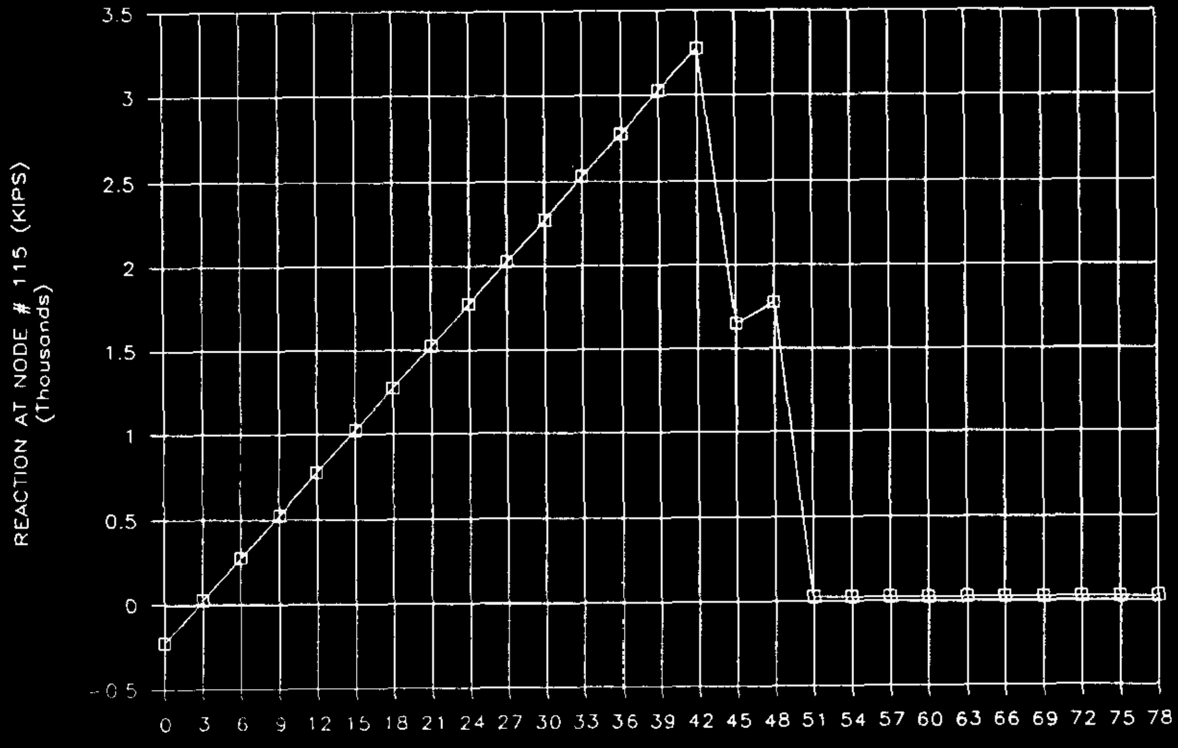


WHC-SD-SNF-DA-003 Rev-

WEST VIEW PIT 105KW Page-A.34

INFLUENCE LINE OF REACTIONS, NODE # 115

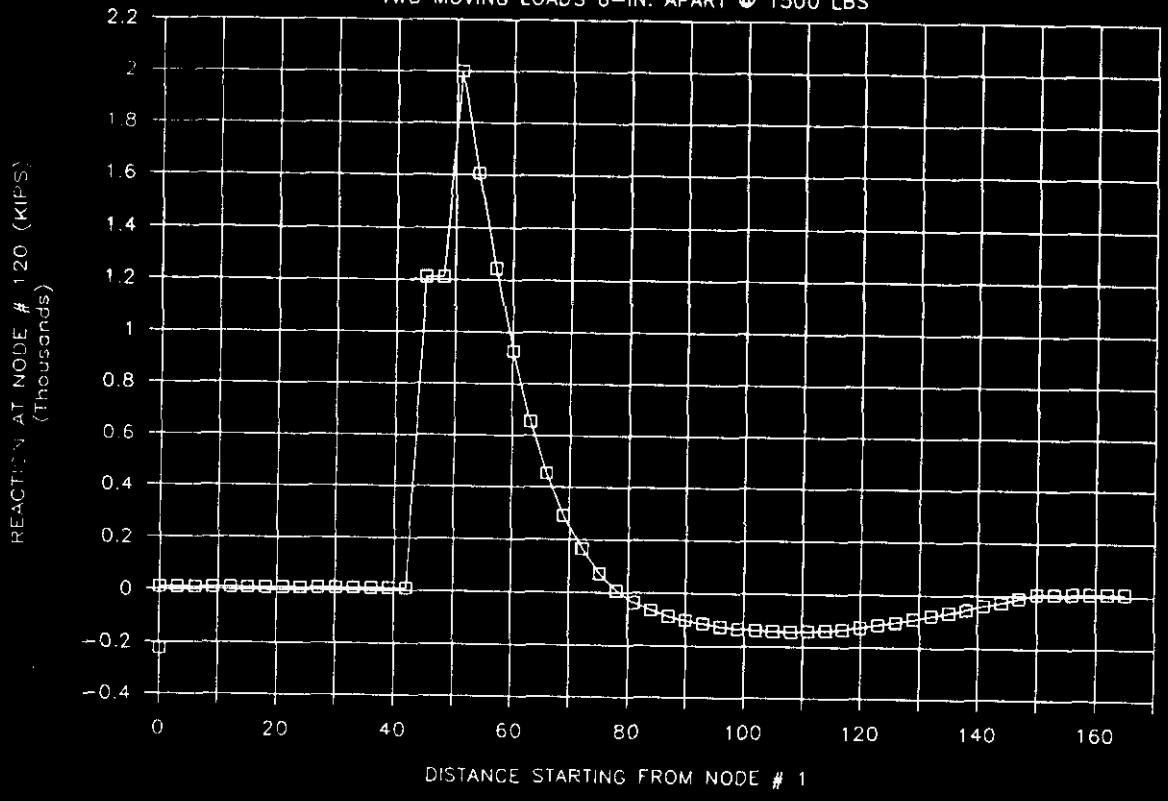
TWO MOVING LOADS 6-IN. APART @ 1500 LBS



Superseded
L. Hyde 12/18/81

INFLUENCE LINE OF REACTIONS, NODE # 120

TWO MOVING LOADS 6-IN. APART @ 1500 LBS



WEST VIEW PIT 103 KW

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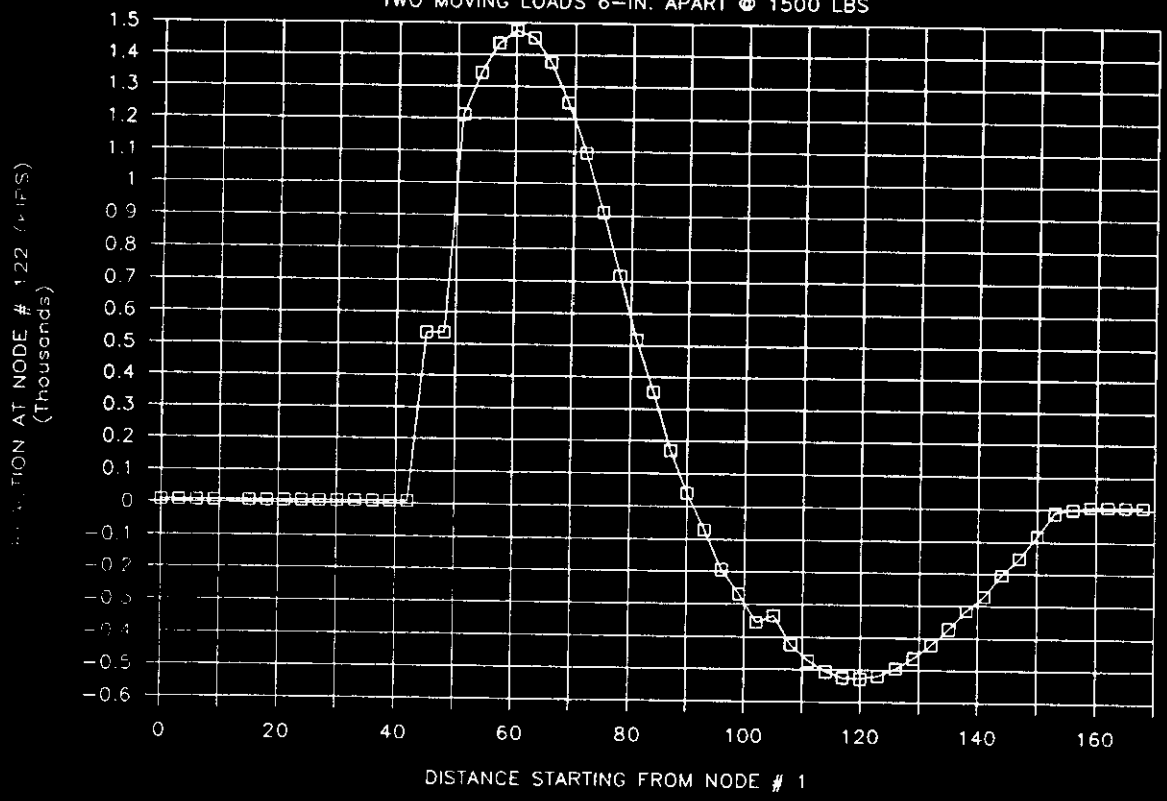
REV-0, Page-A-36
Examined 12/15/94
L. Hyde

INFLUENCE LINE OF REACTIONS, NODE # 122

TWO MOVING LOADS 6-IN. APART @ 1500 LBS



WEST VIEW PIT

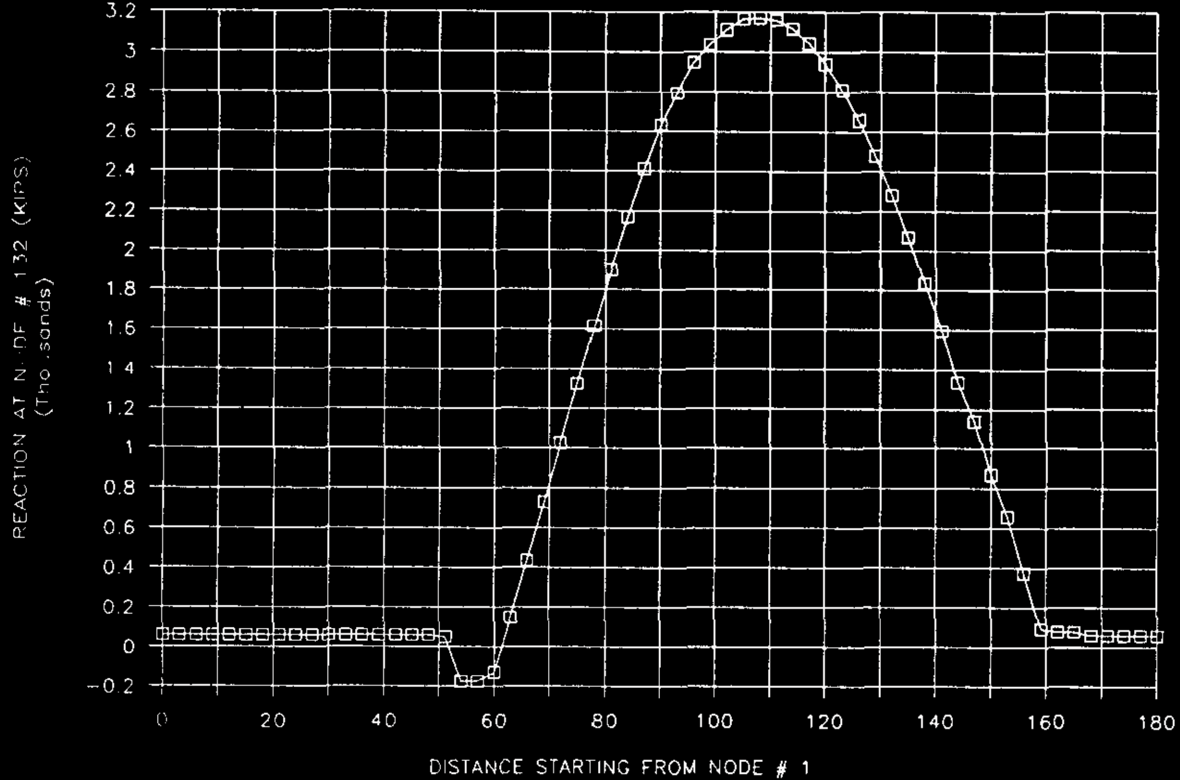
WHC-SD-SNF-DA-003
Rev-0
page - A-37

WEST VIEW PIT 105 KW

SK Gupta 12/28/94
L. Hyde

INFLUENCE LINE OF REACTIONS, NODE # 132

TWO MOVING LOADS 6-IN. APART @ 1500 LBS

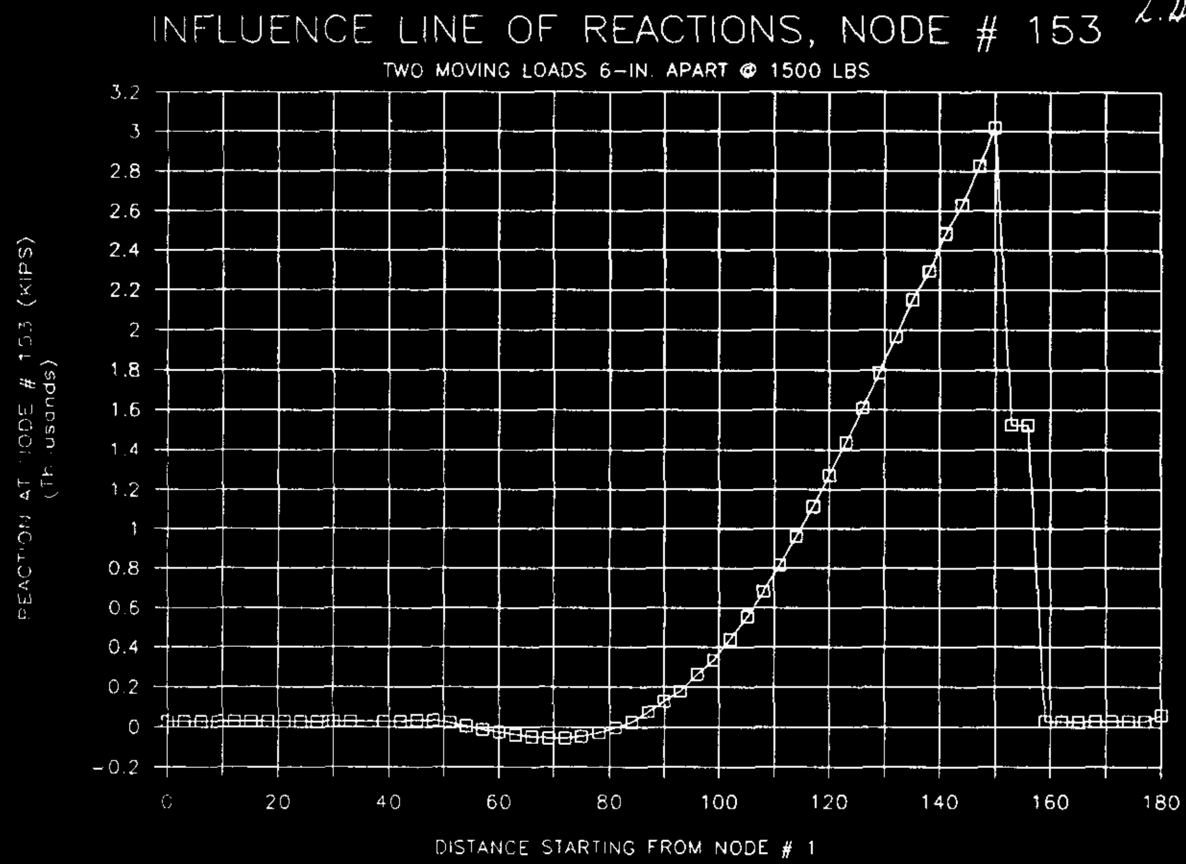


WEST VIEW PIT

WHC-SD-SNF-DA-003
REV-0 Page - A-38

WEST VIEW PIT 105 K-W

Skaggs 12/28/9?
L. Hyde



WEST VIEW PIT

WHC-SD-SNF-DA-003
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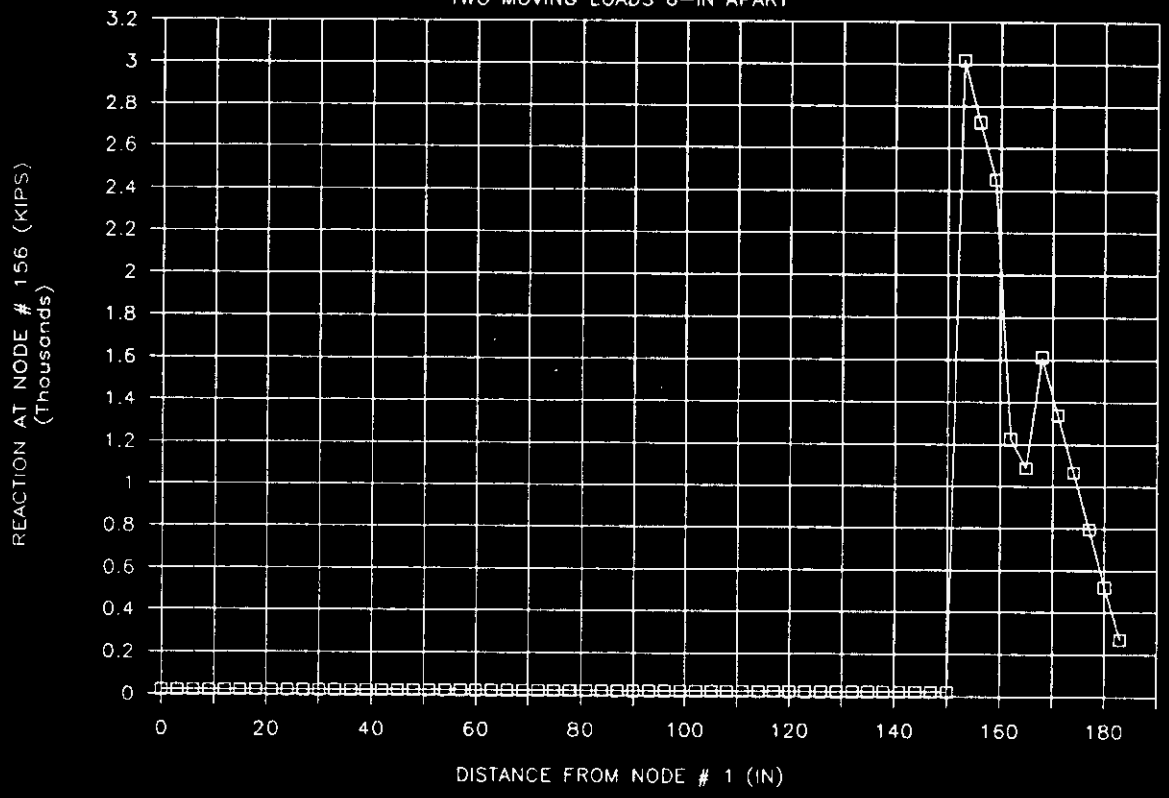
WEST VIEW PIT 105 KW

Examined
12/28/94
L Hyde

INFLUENCE LINE OF REACTIONS, NODE # 156

TWO MOVING LOADS 6-IN APART



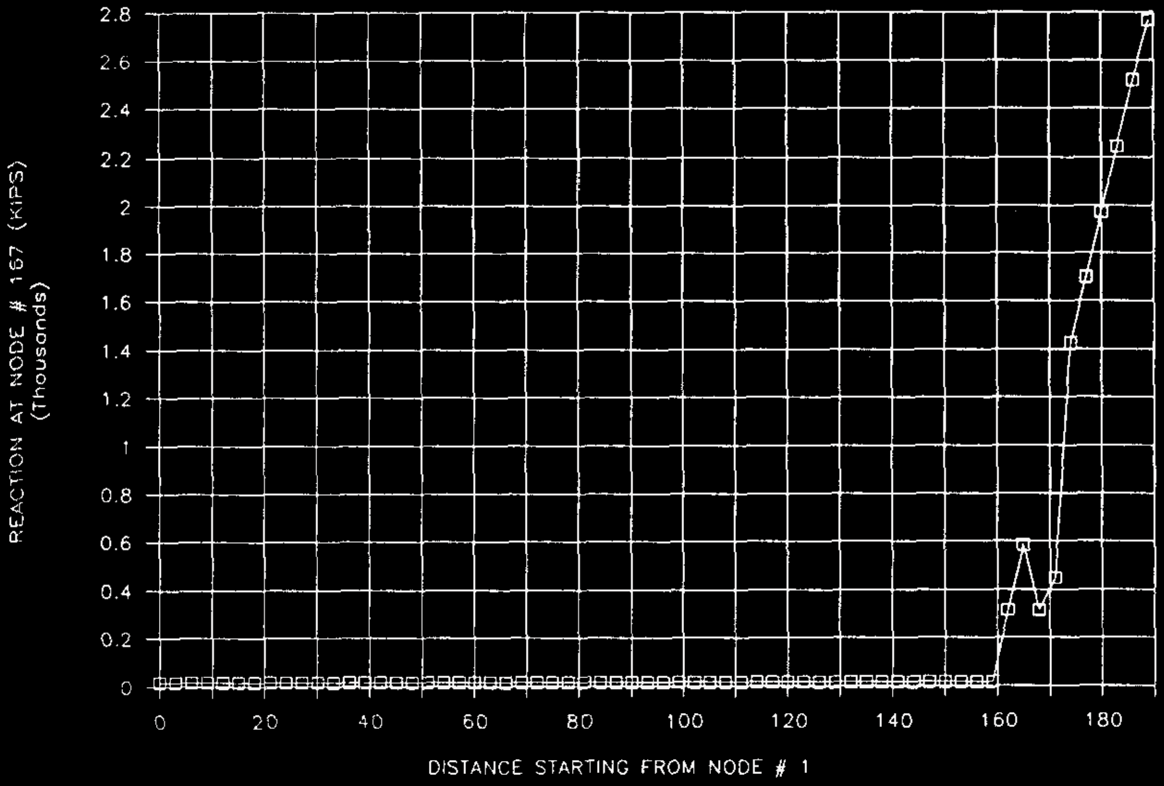
WHC-SD-SNF-DA-003
REV-0
PAGE - A-40

WEST VIEW PIT 105 KW

12/28/94

INFLUENCE LINE OF REACTIONS, NODE # 167

TWO MOVING LOADS 6-IN APART @ 1500 LBS.



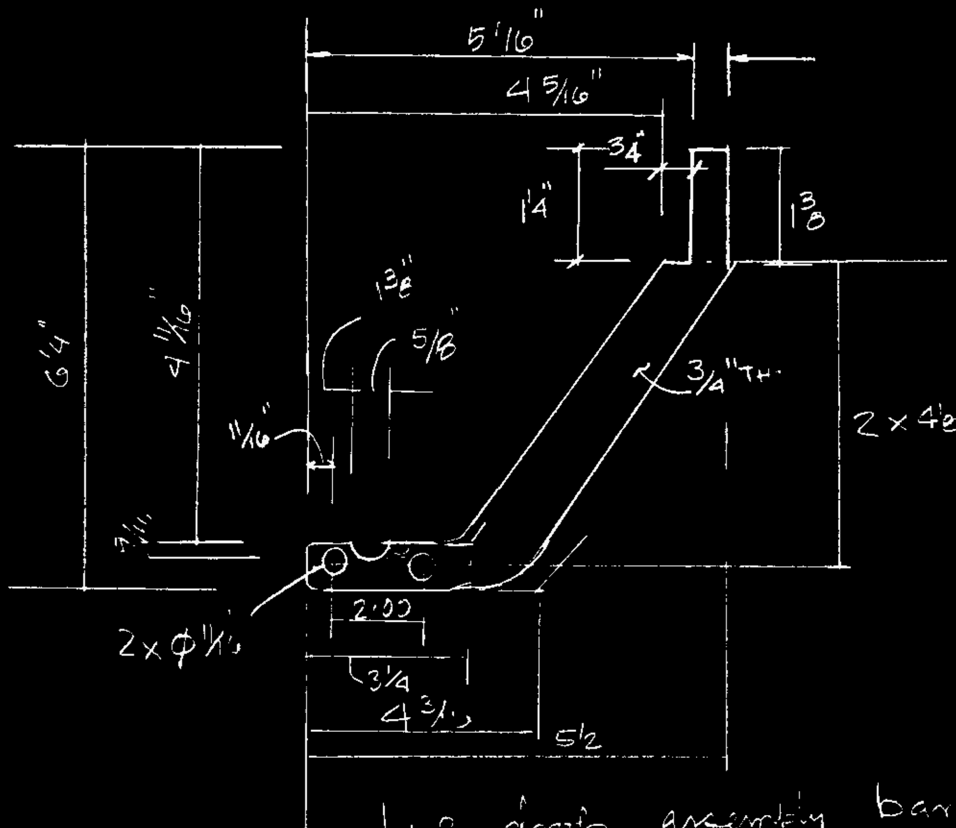
DROP LUG BAR ASSEMBLY CALCULATIONS

ANALYTICAL CALCULATIO

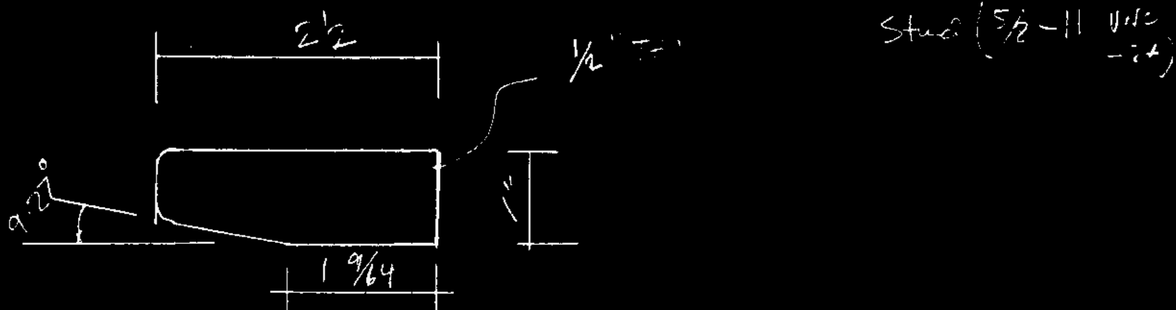
Subject: Lug drop assembly for trolleys in 105K Storage Basin

Originator: [signature] Date: 8/30/95

Checker: [signature] Date: 9-5-95



Lug drop assembly bar.



Lug.

Note: These were installed in some of the trolleys at 105K Storage Basin. The calculations were made based on a preliminary drawing. H-1 drawing will be made to document this.

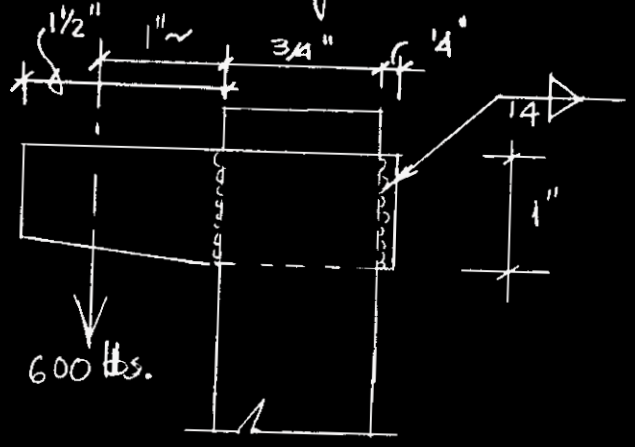
ANALYTICAL CALCULATIO

Subject Lug drop assembly for trolleys in 105 K Storage Basins.

Originator [illegible] Date 8/30/95

Checker [illegible] Date 9/5/95

Check Drop lugs:



Moment on face of weld = 600 #in.

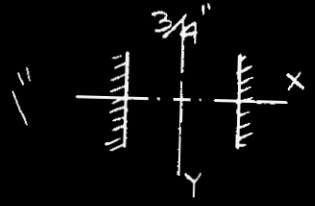
Section Modulus = $\frac{1}{6} \times .5 \times 1^2 = .0833$ in^3

$\delta_b = 600/.0833 = 7200$ psi

$< 16 \times 36 \rightarrow 21.6$ ksi ok.

Check weld; $F_y = 600$ #

M_z = Moment at weld centroid = $600 \times 1.375 = 825$ #in



Weld prop: $A_w = 2$"

$J_w = d(3b^2 + d^2)/6$

$= 1(3 \times .75^2 + 1)/6 = .45$ ~

Weld shear:

$f_m = \frac{825 \times .5}{.45} = 917$ #/in

$f_y = 600/2 + \frac{825 \times .375}{.45} = 988$ #/in.

$f_r = [(917)^2 + (988)^2]^{1/2} = 1348$ #/in <

$.707 \times .25 \times 18000 = 3182$ #/in.

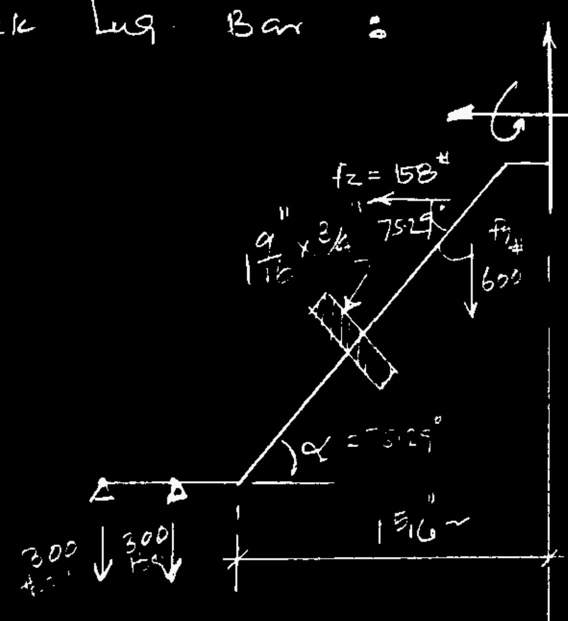
ok

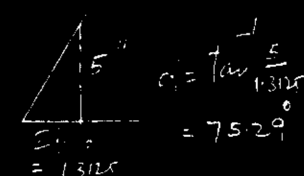
ANALYTICAL CALCULATIONS

Page - A-44

Subject: Lug drop assembly for trolley in 105 K Storage basin
Originator: [illegible] Date: 8/30/95
Checker: [illegible] Date: 9/5/95

Check Lug Bar :





Axial force = $\frac{600}{\sin 75.29}$ = 620 #

Horizontal force = 620 cos 75.29 = 158 #

Moment in lug bar at end Mz = 825 #in.

Torsion moment in lug bar = 825 Cos 75.29 = 210 # in

$b/t = \frac{1.148}{.75} = 1.5307$

β = .196

Torsional resistance $R = \beta b t^3/3$ = .196 × 1.148 × (.75)³ = .0949

torsional shear stress = $\frac{210 \times .75}{.0949}$ = 1660 psi < .4×36 = 14.4 ksi o.k.

Bending stress : bending moment = 825 Sin 75.29 = 798 # in

Section modulus 1/6 × 1.148 × .75² = .1076 in³

$\delta_b = \frac{798}{.1076}$ = 7415 psi < .6×36 = 21.6 ksi ok.

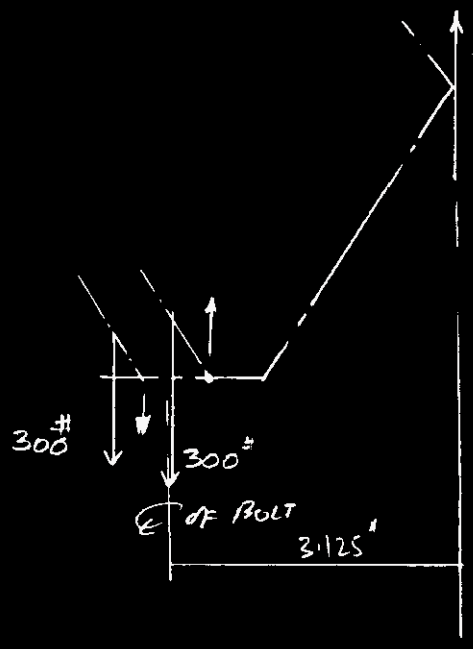
ANALYTICAL CALCULATIOI

Subject Lug drop assembly for trolleys at 150K storage basin.

Originator E.K. Quigley Date 8/30/95

Checker Ralph M. Negri Date 9/5/95

Check 5/8" ϕ studs:



Shear forces in the stud

Σ Moment = 600 x 3.125
= 1875 #-in.

Force on Studs = $\frac{1875}{2}$
= 938#

Max shear = 938 + 300
= 1238#

root area = .202 in²

Shear stress = $\frac{1238}{.202}$ = 6.13 ksi

Studs are ASTM A-193, shear stress are small, Bolts are O.K.

Check bending of bolts:

Bolt span ≈ 5", Moment = $\frac{300 \times 5}{4}$ = 375 #-in

5/8" ϕ Section Modulus = $\frac{\pi}{32} \cdot d)^3 = \frac{\pi}{32} \times (5/8)^3$
= .024 in³

$\delta_b = \frac{375}{.024}$ = 15.65 ksi < .6 x 36
= 21.6 ksi

(A-36 material, conservative)

The bolts are ok.

APPENDIX B

(Computer Files)

Table of Computer Runs

Computer File Name	Description of the File	Pages From	To
NSMR1.IN	Single moving load 2400 lbs.	B1	B9
NS.OUT	Output file for NSMR1.in	B10	B76
NSMR2.IN	Single moving load contd..	B77	B85
NS2.OUT	Output file for NSMR2.IN	B86	B154
NSMR3.IN	Single moving load contd..	B155	B163
NS3.OUT	Output file for NSMR3.IN	B164	B231
NSMR4.IN	Single moving load contd..	B232	B239
NS4.OUT	Output file for NSMR4.IN	B240	B308
RNS1.IN	Two loads moving, loads 4 ft. apart.	B388	B398
RNS1.OUT	Output file for RNS1.IN	B399	B470
RNS2.IN	Two loads contd....	B309	B319
RNS2.OUT	Output file for RNS2.IN	B320	B387
R3NS1.IN	Three moving loads each 4 ft. apart.	B471	B482
R3NS1.OUT	Output file for R3NS1.IN	B483	B554
R3NS2.IN	Three loads contd..	B555	B566
R3NS2.OUT	Output file for R3NS2.OUT	B567	B634
WPREV3.IN	South load out pit monorail analysis.	B635	B653
W3.OUT	Output file for WPREV3.IN	B654	B698

```
COMPUTER FILE : NSMR1.IN
OUTPUT FILE   : NS.OUT
/title,monorail, basin side, load every 6 inches.
et,1,4
et,2,1,
!
r,1,3.61,21.8,1.8,3,1.65,
r,2,.309,
ex,1,29e6
dens,1,.00073386
nuxy,1,.3
!
n,1,,,,
n,2,3,
ngen,8,2,1,2,1,6
n,17,48.25,,,
n,18,51.25,,,
ngen,6,2,17,18,1,6
n,29,84.5,,,
n,30,87.5,,
ngen,97,2,29,30,1,6
n,223,666.75,,,
n,224,669.75,,,
ngen,6,2,223,224,1,6
n,235,703,,
n,236,706,,
ngen,2,2,235,236,1,6
n,239,715,,
n,301,,22,,
n,305,12,22,,
n,317,48.25,22,,
n,329,84.5,22,,
n,343,126.5,22,
n,357,168.5,22,
n,371,210.5,22,,
n,385,252.5,22,,
n,399,294.5,22,,
n,413,336.5,22,,
n,427,378.5,22,,
n,441,420.5,22,,
n,455,462.5,22,,
n,469,504.5,22,,
n,483,546.5,22,,
n,497,588.5,22,,
n,511,630.5,22,,
n,523,666.75,22,,
n,535,703,22,,
n,539,715,22,,
!
mat,1
```

```
type,1
real,1
e,1,2
egen,238,1,-1
mat,1
real,2
type,2
e,1,301
e,5,305
e,17,317
e,29,329
e,43,343
e,57,357
e,71,371
e,85,385
e,99,399
e,113,413
e,127,427
e,141,441
e,155,455
e,169,469
e,183,483
e,197,497
e,211,511
e,223,523
e,235,535
e,239,539
!
d,329,uy,,,511,14,,
d,301,uy
d,305,uy,,,317,12,,
d,523,uy,,,535,12,
d,539,uy
d,305,uz
d,385,uz
d,455,uz
d,535,uz
d,65,all
d,119,all
d,176,all
!
nlist,all
elist,all
dlist,all
finish
!
/solu
antyp,0
stat
acel,,386.4,,
```

```
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f,2,fy,-1200,,4,2
lswrite,2
fdele,all
f,3,fy,-1200,,5,2
lswrite,3
fdele,all
f,4,fy,-1200,,6,2
lswrite,4
fdele,all
f,5,fy,-1200,,7,2
lswrite,5
fdele,all
f,6,fy,-1200,,8,2
lswrite,6
fdele,all
f,7,fy,-1200,,9,2
lswrite,7
fdele,all
f,8,fy,-1200,,10,2
lswrite,8
fdele,all
f,9,fy,-1200,,11,2
lswrite,9
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f,10,fy,-1200,,12,2
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f,11,fy,-1200,,13,2
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f,17,fy,-1200,,19,2
lswrite,17
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f,19,fy,-1200,,21,2
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f,21,fy,-1200,,23,2
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lswrite,33
fdele,all
f,34,fy,-1200,,36,2
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fdele,all
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fdele,all
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lswrite,64
fdele,all
f,65,fy,-1200,,67,2
lswrite,65
fdele,all
!
lssolve,1,65,1
finish
/postl
/output,ns,out
```

```
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prrsol
set,2,1
prrsol
set,3,1
prrsol
set,4,1
prrsol
set,5,1
prrsol
!
set,6,1
prrsol
set,7,1
prrsol
set,8,1
prrsol
set,9,1
prrsol
set,10,1
prrsol
!
set,11,1
prrsol
set,12,1
prrsol
set,13,1
prrsol
set,14,1
prrsol
set,15,1
prrsol
!
set,16,1
prrsol
set,17,1
prrsol
set,18,1
prrsol
set,19,1
prrsol
set,20,1
prrsol
!
set,21,1
prrsol
set,22,1
prrsol
set,23,1
prrsol
```

```
set,24,1
prrsol
set,25,1
prrsol
!
set,26,1
prrsol
set,27,1
prrsol
set,28,1
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prrsol
set,30,1
prrsol
!
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prrsol
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prrsol
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prrsol
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prrsol
!
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!
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prrsol
set,40,1
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prrsol
set,43,1
prrsol
!
set,44,1
prrsol
set,45,1
prrsol
set,46,1
```

```
prrsol
set,47,1
prrsol
set,48,1
prrsol
!
set,49,1
prrsol
set,50,1
prrsol
set,51,1
prrsol
set,52,1
prrsol
set,53,1
prrsol
!
set,54,1
prrsol
set,55,1
prrsol
set,56,1
prrsol
set,57,1
prrsol
set,58,1
prrsol
set,59,1
prrsol
!
set,60,1
prrsol
set,61,1
prrsol
set,62,1
prrsol
set,63,1
prrsol
set,64,1
prrsol
finish
```

Computer Output File : NS.OUT Input File : NSMR1.IN

USE LOAD STEP   1 SUBSTEP   1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=   1 SUBSTEP=   1 CUMULATIVE ITERATION=   1
  TIME/FREQUENCY= 1.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****

 LOAD STEP=   1 SUBSTEP=   1

  TIME=   1.0000   LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.493	0.00000E+00	0.00000E+00	0.00000E+00	21.931
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		1557.6				
305		931.37	0.00000E+00			
317		13.738				
329		9.6202				
343		50.152				
357		25.721				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -1.9952

USE LOAD STEP 2 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 2 SUBSTEP= 1 CUMULATIVE ITERATION= 2
TIME/FREQUENCY= 2.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 2 SUBSTEP= 1

TIME= 2.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.690	0.00000E+00	0.00000E+00	0.00000E+00	17.302
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		1266.8				
305		1100.8	0.00000E+00			
317		151.24				
329		-3.1468				
343		46.061				
357		26.288				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -6.6247

USE LOAD STEP 3 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 3 SUBSTEP= 1 CUMULATIVE ITERATION= 3
TIME/FREQUENCY= 3.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 3 SUBSTEP= 1

TIME= 3.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.899	0.00000E+00	0.00000E+00	0.00000E+00	12.587
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		995.07				
305		1245.0	0.00000E+00			
317		294.37				
329		-15.216				
343		41.735				
357		26.853				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -11.339


USE LOAD STEP     4  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     4  SUBSTEP=     1  CUMULATIVE ITERATION=     4
  TIME/FREQUENCY=  4.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     4  SUBSTEP=     1

  TIME=    4.0000      LOAD CASE=    0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  42.125     0.00000E+00 0.00000E+00 0.00000E+00  7.7680

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               751.01
   305               1352.8     0.00000E+00
   317               445.37
   329              -26.137
   343               37.070
   357               27.411
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
```

```
   523              40.924
   535              24.136     0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -16.159


USE LOAD STEP     5  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     5  SUBSTEP=     1  CUMULATIVE ITERATION=     5
  TIME/FREQUENCY=  5.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     5  SUBSTEP=     1

  TIME=    5.0000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  42.371     0.00000E+00 0.00000E+00 0.00000E+00  2.9198

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301              538.89
   305              1419.4     0.00000E+00
   317              604.17
   329             -35.057
   343              32.021
   357              27.945
   371              18.794
   385              46.909     0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096     0.00000E+00
   469              22.070
   483              22.172
```

```
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -21.007


USE LOAD STEP     6  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     6  SUBSTEP=     1  CUMULATIVE ITERATION=     6
  TIME/FREQUENCY=  6.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     6  SUBSTEP=     1

  TIME=    6.0000      LOAD CASE=    0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  42.639      0.00000E+00 0.00000E+00 0.00000E+00 -1.8355

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               360.93
   305               1442.5      0.00000E+00
   317               769.51
   329              -40.918
   343               26.573
   357               28.430
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
```

469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-25.762

USE LOAD STEP 7 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 7 SUBSTEP= 1 CUMULATIVE ITERATION= 7
TIME/FREQUENCY= 7.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 7 SUBSTEP= 1

TIME= 7.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	42.926	0.00000E+00	0.00000E+00	0.00000E+00	-6.2814
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		215.11				
305		1426.5	0.00000E+00			
317		937.85				
329		-42.260				
343		20.767				
357		28.828				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				

```
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -30.208


USE LOAD STEP     8  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     8  SUBSTEP=     1  CUMULATIVE ITERATION=     8
  TIME/FREQUENCY=  8.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     8  SUBSTEP=     1

  TIME=    8.0000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  43.232      0.00000E+00 0.00000E+00 0.00000E+00 -10.178

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               98.392
   305               1376.8      0.00000E+00
   317               1105.1
   329              -37.521
   343               14.662
   357               29.098
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
```

413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-34.105

USE LOAD STEP 9 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 9 SUBSTEP= 1 CUMULATIVE ITERATION= 9
TIME/FREQUENCY= 9.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 9 SUBSTEP= 1

TIME= 9.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.553	0.00000E+00	0.00000E+00	0.00000E+00	-13.286
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7194				
305		1299.0	0.00000E+00			
317		1267.0				
329		-25.139				
343		8.3137				
357		29.198				
371		18.794				

```
   385                46.909      0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -37.212


USE LOAD STEP    10  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    10  SUBSTEP=     1  CUMULATIVE ITERATION=    10
  TIME/FREQUENCY=  10.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    10  SUBSTEP=     1

  TIME=    10.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  43.888      0.00000E+00 0.00000E+00 0.00000E+00 -15.364

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               -59.960
   305                1198.9     0.00000E+00
   317                1419.6
   329               -3.5531
   343                1.7798
```

357		29.087				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-39.291

USE LOAD STEP 11 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 11 SUBSTEP= 1 CUMULATIVE ITERATION= 11
TIME/FREQUENCY= 11.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 11 SUBSTEP= 1

TIME= 11.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.234	0.00000E+00	0.00000E+00	0.00000E+00	-16.174
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-107.70				
305		1081.9	0.00000E+00			
317		1558.6				

329		28.800				
343		-4.8826				
357		28.723				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-40.100

USE LOAD STEP 12 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 12 SUBSTEP= 1 CUMULATIVE ITERATION= 12
TIME/FREQUENCY= 12.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 12 SUBSTEP= 1

TIME= 12.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.590	0.00000E+00	0.00000E+00	0.00000E+00	-15.475
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-138.55				

305	953.76	0.00000E+00
317	1680.0	
329	73.481	
343	-11.616	
357	28.065	
371	18.794	
385	46.909	0.00000E+00
399	46.909	
413	18.794	
427	24.984	
441	47.453	
455	47.096	0.00000E+00
469	22.070	
483	22.172	
497	47.096	
511	42.895	
523	40.924	
535	24.136	0.00000E+00
539	7.7416	

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-39.401

USE LOAD STEP 13 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 13 SUBSTEP= 1 CUMULATIVE ITERATION= 13
TIME/FREQUENCY= 13.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 13 SUBSTEP= 1

TIME= 13.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.953	0.00000E+00	0.00000E+00	0.00000E+00	-13.027
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301              -155.55
   305               820.00     0.00000E+00
   317               1779.5
   329               132.05
   343              -18.364
   357               27.071
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -36.954


USE LOAD STEP    14  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    14  SUBSTEP=     1  CUMULATIVE ITERATION=    14
  TIME/FREQUENCY=  14.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    14  SUBSTEP=     1

  TIME=    14.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  45.322     0.00000E+00 0.00000E+00 0.00000E+00 -8.5908
```

```
   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               -161.78
   305                686.26     0.00000E+00
   317                1853.2
   329                206.08
   343               -25.069
   357                25.700
   371                18.794
   385                46.909     0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096     0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136     0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -32.517


USE LOAD STEP    15  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    15  SUBSTEP=     1  CUMULATIVE ITERATION=    15
  TIME/FREQUENCY=  15.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    15  SUBSTEP=     1

  TIME=    15.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
```

65	0.00000E+00	45.710	0.00000E+00	0.00000E+00	0.00000E+00	-1.4911
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330

301	-159.89	
305	553.49	0.00000E+00
317	1896.4	
329	302.09	
343	-31.939	
357	23.808	
371	18.794	
385	46.909	0.00000E+00
399	46.909	
413	18.794	
427	24.984	
441	47.453	
455	47.096	0.00000E+00
469	22.070	
483	22.172	
497	47.096	
511	42.895	
523	40.924	
535	24.136	0.00000E+00
539	7.7416	

TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-25.418

USE LOAD STEP 16 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 16 SUBSTEP= 1 CUMULATIVE ITERATION= 16
TIME/FREQUENCY= 16.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 16 SUBSTEP= 1

TIME= 16.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.076	0.00000E+00	0.00000E+00	0.00000E+00	7.7853
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-153.46				
305		436.85	0.00000E+00			
317		1904.9				
329		412.05				
343		-38.252				
357		21.542				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-16.141

USE LOAD STEP 17 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 17 SUBSTEP= 1 CUMULATIVE ITERATION= 17
TIME/FREQUENCY= 17.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 17 SUBSTEP= 1

TIME= 17.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.419	0.00000E+00	0.00000E+00	0.00000E+00	20.366
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-143.75				
305		329.16	0.00000E+00			
317		1879.0				
329		544.03				
343		-43.864				
357		18.699				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-3.5607

USE LOAD STEP 18 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 18 SUBSTEP= 1 CUMULATIVE ITERATION= 18
TIME/FREQUENCY= 18.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 18 SUBSTEP= 1

TIME= 18.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.659	0.00000E+00	0.00000E+00	0.00000E+00	35.915
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-132.91				
305		242.10	0.00000E+00			
317		1818.9				
329		686.81				
343		-47.304				
357		15.458				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	11.988

USE LOAD STEP 19 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 19 SUBSTEP= 1 CUMULATIVE ITERATION= 19
TIME/FREQUENCY= 19.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 19 SUBSTEP= 1

TIME= 19.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.739	0.00000E+00	0.00000E+00	0.00000E+00	55.275
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-121.17				
305		169.67	0.00000E+00			
317		1729.8				
329		840.32				
343		-47.415				
357		11.747				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	31.348

USE LOAD STEP 20 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 20 SUBSTEP= 1 CUMULATIVE ITERATION= 20
TIME/FREQUENCY= 20.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 20 SUBSTEP= 1

TIME= 20.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.579	0.00000E+00	0.00000E+00	0.00000E+00	78.988
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-108.76				
305		110.52	0.00000E+00			
317		1616.6				
329		999.80				
343		-42.641				
357		7.5839				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	55.062

USE LOAD STEP 21 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 21 SUBSTEP= 1 CUMULATIVE ITERATION= 21
TIME/FREQUENCY= 21.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 21 SUBSTEP= 1

TIME= 21.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.100	0.00000E+00	0.00000E+00	0.00000E+00	107.60
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-95.915				
305		63.324	0.00000E+00			
317		1484.1				
329		1160.5				
343		-31.428				
357		2.9862				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	83.670

USE LOAD STEP 22 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 22 SUBSTEP= 1 CUMULATIVE ITERATION= 22

TIME/FREQUENCY= 22.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 22 SUBSTEP= 1

TIME= 22.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.223	0.00000E+00	0.00000E+00	0.00000E+00	141.64
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-82.878				
305		26.736	0.00000E+00			
317		1337.3				
329		1317.6				
343		-12.220				
357		-2.0285				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	117.71

USE LOAD STEP 23 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 23 SUBSTEP= 1 CUMULATIVE ITERATION= 23
TIME/FREQUENCY= 23.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 23 SUBSTEP= 1

TIME= 23.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.868	0.00000E+00	0.00000E+00	0.00000E+00	181.66
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-69.881				
305		-0.58292	0.00000E+00			
317		1180.8				
329		1466.4				
343		16.537				
357		-7.4428				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	157.74

USE LOAD STEP 24 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 24 SUBSTEP= 1 CUMULATIVE ITERATION= 24
TIME/FREQUENCY= 24.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 24 SUBSTEP= 1

TIME= 24.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.954	0.00000E+00	0.00000E+00	0.00000E+00	228.20
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-57.160				
305		-19.971	0.00000E+00			
317		1019.7				
329		1602.0				
343		56.399				
357		-13.239				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	204.28

USE LOAD STEP 25 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 25 SUBSTEP= 1 CUMULATIVE ITERATION= 25
TIME/FREQUENCY= 25.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 25 SUBSTEP= 1

TIME= 25.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	39.404	0.00000E+00	0.00000E+00	0.00000E+00	281.81
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-44.952				
305		-32.769	0.00000E+00			
317		858.65				
329		1719.8				
343		108.92				
357		-19.400				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 257.88

USE LOAD STEP 26 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 26 SUBSTEP= 1 CUMULATIVE ITERATION= 26
TIME/FREQUENCY= 26.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 26 SUBSTEP= 1

TIME= 26.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	36.137	0.00000E+00	0.00000E+00	0.00000E+00	343.01
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-33.492				
305		-40.316	0.00000E+00			
317		702.60				
329		1815.0				
343		175.66				
357		-25.907				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 319.09

USE LOAD STEP 27 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 27 SUBSTEP= 1 CUMULATIVE ITERATION= 27
TIME/FREQUENCY= 27.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 27 SUBSTEP= 1

TIME= 27.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	31.849	0.00000E+00	0.00000E+00	0.00000E+00	415.81
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-22.657				
305		-43.930	0.00000E+00			
317		551.22				
329		1883.6				
343		262.71				
357		-33.050				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  391.88


USE LOAD STEP    28  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    28  SUBSTEP=     1  CUMULATIVE ITERATION=    28
  TIME/FREQUENCY=  28.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    28  SUBSTEP=     1

  TIME=    28.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

 NODE      FX          FY          FZ          MX          MY          MZ

   65  0.00000E+00  26.890     0.00000E+00 0.00000E+00 0.00000E+00  493.56

  119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

  176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

  301              -13.438
  305              -44.870     0.00000E+00
  317               420.08
  329               1918.2
  343               362.91
  357              -40.116
  371               18.794
  385               46.909     0.00000E+00
  399               46.909
  413               18.794
  427               24.984
  441               47.453
  455               47.096     0.00000E+00
  469               22.070
  483               22.172
  497               47.096
  511               42.895
```

523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	469.64

USE LOAD STEP 29 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 29 SUBSTEP= 1 CUMULATIVE ITERATION= 29
TIME/FREQUENCY= 29.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 29 SUBSTEP= 1

TIME= 29.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	20.873	0.00000E+00	0.00000E+00	0.00000E+00	579.94
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-5.1523				
305		-44.006	0.00000E+00			
317		300.34				
329		1920.9				
343		483.91				
357		-47.211				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				

```
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  556.01


USE LOAD STEP    30  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    30  SUBSTEP=     1  CUMULATIVE ITERATION=    30
  TIME/FREQUENCY=  30.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    30  SUBSTEP=     1

  TIME=    30.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  14.275     0.00000E+00 0.00000E+00 0.00000E+00  664.22

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               1.3841
   305              -41.989     0.00000E+00
   317               204.43
   329               1888.8
   343               615.83
   357              -53.056
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
```

469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	640.30

USE LOAD STEP 31 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 31 SUBSTEP= 1 CUMULATIVE ITERATION= 31
TIME/FREQUENCY= 31.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 31 SUBSTEP= 1

TIME= 31.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	7.0601	0.00000E+00	0.00000E+00	0.00000E+00	742.56
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		6.6701				
305		-39.105	0.00000E+00			
317		125.49				
329		1827.4				
343		759.08				
357		-56.882				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				

441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	718.64

USE LOAD STEP 32 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 32 SUBSTEP= 1 CUMULATIVE ITERATION= 32
TIME/FREQUENCY= 32.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 32 SUBSTEP= 1

TIME= 32.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-0.59937	0.00000E+00	0.00000E+00	0.00000E+00	807.34
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		10.819				
305		-35.479	0.00000E+00			
317		62.043				
329		1740.6				
343		909.81				
357		-57.533				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				

413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	783.42

USE LOAD STEP 33 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 33 SUBSTEP= 1 CUMULATIVE ITERATION= 33
TIME/FREQUENCY= 33.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 33 SUBSTEP= 1

TIME= 33.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-8.5308	0.00000E+00	0.00000E+00	0.00000E+00	850.96
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		13.942				
305		-31.237	0.00000E+00			
317		12.616				
329		1632.6				
343		1064.2				
357		-53.852				
371		18.794				

```
   385                46.909      0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  827.03


USE LOAD STEP    34  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    34  SUBSTEP=     1  CUMULATIVE ITERATION=    34
  TIME/FREQUENCY=  34.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    34  SUBSTEP=     1

  TIME=    34.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -16.562      0.00000E+00 0.00000E+00 0.00000E+00  865.79

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301                16.154
   305               -26.507      0.00000E+00
   317               -24.274
   329                1507.2
   343                1218.3
```

357		-44.683				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	841.87

USE LOAD STEP 35 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 35 SUBSTEP= 1 CUMULATIVE ITERATION= 35
TIME/FREQUENCY= 35.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 35 SUBSTEP= 1

TIME= 35.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-24.519	0.00000E+00	0.00000E+00	0.00000E+00	844.24
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		17.567				
305		-21.414	0.00000E+00			
317		-50.105				

*** RMIS View/Print Document Cover Sheet ***

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Accession #: D295184266

Document #: SD-SNF-DA-003

Title/Desc:
STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS [SEC 2 OF 6]

Pages: 157

This document was too large to scan as a whole document, therefore it required breaking into smaller sections.

DOCUMENT NUMBER: SD-SNF-DA-003 REV 0

SECTION 2 OF 6

TITLE: STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS

DATE: 11/22/95

ORIGINATOR: KANJILAL SK

CO: KEH

RECIPIENT:

CO:

REFERENCES: EDT-612866

APPENDIX B

(Computer Files)

Table of Computer Runs

Computer File Name	Description of the File	Pages From	To
NSMR1.IN	Single moving load 2400 lbs.	B1	B9
NS.OUT	Output file for NSMR1.in	B10	B76
NSMR2.IN	Single moving load contd..	B77	B85
NS2.OUT	Output file for NSMR2.IN	B86	B154
NSMR3.IN	Single moving load contd..	B155	B163
NS3.OUT	Output file for NSMR3.IN	B164	B231
NSMR4.IN	Single moving load contd..	B232	B239
NS4.OUT	Output file for NSMR4.IN	B240	B308
RNS1.IN	Two loads moving, loads 4 ft. apart.	B388	B398
RNS1.OUT	Output file for RNS1.IN	B399	B470
RNS2.IN	Two loads contd....	B309	B319
RNS2.OUT	Output file for RNS2.IN	B320	B387
R3NS1.IN	Three moving loads each 4 ft. apart.	B471	B482
R3NS1.OUT	Output file for R3NS1.IN	B483	B554
R3NS2.IN	Three loads contd..	B555	B566
R3NS2.OUT	Output file for R3NS2.OUT	B567	B634
WPREV3.IN	South load out pit monorail analysis.	B635	B653
W3.OUT	Output file for WPREV3.IN	B654	B698

```
COMPUTER FILE : NSMR1.IN
OUTPUT FILE   : NS.OUT
/title,monorail, basin side, load every 6 inches.
et,1,4
et,2,1,
!
r,1,3.61,21.8,1.8,3,1.65,
r,2,.309,
ex,1,29e6
dens,1,.00073386
nuxy,1,.3
!
n,1,,,,
n,2,3,
ngen,8,2,1,2,1,6
n,17,48.25,,,
n,18,51.25,,,
ngen,6,2,17,18,1,6
n,29,84.5,,,
n,30,87.5,,
ngen,97,2,29,30,1,6
n,223,666.75,,,
n,224,669.75,,,
ngen,6,2,223,224,1,6
n,235,703,,
n,236,706,,
ngen,2,2,235,236,1,6
n,239,715,,
n,301,,22,,
n,305,12,22,,
n,317,48.25,22,,
n,329,84.5,22,,
n,343,126.5,22,
n,357,168.5,22,
n,371,210.5,22,,
n,385,252.5,22,,
n,399,294.5,22,,
n,413,336.5,22,,
n,427,378.5,22,,
n,441,420.5,22,,
n,455,462.5,22,,
n,469,504.5,22,,
n,483,546.5,22,,
n,497,588.5,22,,
n,511,630.5,22,,
n,523,666.75,22,,
n,535,703,22,,
n,539,715,22,,
!
mat,1
```

```
type,1
real,1
e,1,2
egen,238,1,-1
mat,1
real,2
type,2
e,1,301
e,5,305
e,17,317
e,29,329
e,43,343
e,57,357
e,71,371
e,85,385
e,99,399
e,113,413
e,127,427
e,141,441
e,155,455
e,169,469
e,183,483
e,197,497
e,211,511
e,223,523
e,235,535
e,239,539
!
d,329,uy,,,511,14,,
d,301,uy
d,305,uy,,,317,12,,
d,523,uy,,,535,12,
d,539,uy
d,305,uz
d,385,uz
d,455,uz
d,535,uz
d,65,all
d,119,all
d,176,all
!
nlist,all
elist,all
dlist,all
finish
!
/solu
antyp,0
stat
acel,,386.4,,
```

```
f,1,fy,-1200,,3,2
lswrite,1
fdele,all
f,2,fy,-1200,,4,2
lswrite,2
fdele,all
f,3,fy,-1200,,5,2
lswrite,3
fdele,all
f,4,fy,-1200,,6,2
lswrite,4
fdele,all
f,5,fy,-1200,,7,2
lswrite,5
fdele,all
f,6,fy,-1200,,8,2
lswrite,6
fdele,all
f,7,fy,-1200,,9,2
lswrite,7
fdele,all
f,8,fy,-1200,,10,2
lswrite,8
fdele,all
f,9,fy,-1200,,11,2
lswrite,9
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f,11,fy,-1200,,13,2
lswrite,11
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f,12,fy,-1200,,14,2
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f,13,fy,-1200,,15,2
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f,14,fy,-1200,,16,2
lswrite,14
fdele,all
f,15,fy,-1200,,17,2
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fdele,all
f,16,fy,-1200,,18,2
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f,17,fy,-1200,,19,2
lswrite,17
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f,31,fy,-1200,,33,2
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fdele,all
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lswrite,33
fdele,all
f,34,fy,-1200,,36,2
```

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lswrite,34
fdele,all
f,35,fy,-1200,,37,2
lswrite,35
fdele,all
f,36,fy,-1200,,38,2
lswrite,36
fdele,all
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lswrite,37
fdele,all
f,38,fy,-1200,,40,2
lswrite,38
fdele,all
f,39,fy,-1200,,41,2
lswrite,39
fdele,all
f,40,fy,-1200,,42,2
lswrite,40
fdele,all
f,41,fy,-1200,,43,2
lswrite,41
fdele,all
f,42,fy,-1200,,44,2
lswrite,42
fdele,all
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lswrite,43
fdele,all
f,44,fy,-1200,,46,2
lswrite,44
fdele,all
f,45,fy,-1200,,47,2
lswrite,45
fdele,all
f,46,fy,-1200,,48,2
lswrite,46
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f,47,fy,-1200,,49,2
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fdele,all
f,48,fy,-1200,,50,2
lswrite,48
fdele,all
f,49,fy,-1200,,51,2
lswrite,49
fdele,all
f,50,fy,-1200,,52,2
lswrite,50
fdele,all
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f,51,fy,-1200,,53,2
lswrite,51
fdele,all
f,52,fy,-1200,,54,2
lswrite,52
fdele,all
f,53,fy,-1200,,55,2,
lswrite,53
fdele,all
f,54,fy,-1200,,56,2
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fdele,all
f,55,fy,-1200,,57,2
lswrite,55
fdele,all
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f,57,fy,-1200,,59,2
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lswrite,58
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fdele,all
f,62,fy,-1200,,64,2
lswrite,62
fdele,all
f,63,fy,-1200,,65,2
lswrite,63
fdele,all
f,64,fy,-1200,,66,2
lswrite,64
fdele,all
f,65,fy,-1200,,67,2
lswrite,65
fdele,all
!
lssolve,1,65,1
finish
/post1
/output,ns,out
```

```
set,1,1
prrsol
set,2,1
prrsol
set,3,1
prrsol
set,4,1
prrsol
set,5,1
prrsol
!
set,6,1
prrsol
set,7,1
prrsol
set,8,1
prrsol
set,9,1
prrsol
set,10,1
prrsol
!
set,11,1
prrsol
set,12,1
prrsol
set,13,1
prrsol
set,14,1
prrsol
set,15,1
prrsol
!
set,16,1
prrsol
set,17,1
prrsol
set,18,1
prrsol
set,19,1
prrsol
set,20,1
prrsol
!
set,21,1
prrsol
set,22,1
prrsol
set,23,1
prrsol
```

```
set,24,1
prrsol
set,25,1
prrsol
!
set,26,1
prrsol
set,27,1
prrsol
set,28,1
prrsol
set,29,1
prrsol
set,30,1
prrsol
!
set,31,1
prrsol
set,32,1
prrsol
set,33,1
prrsol
set,34,1
prrsol
set,35,1
prrsol
!
set,36,1
prrsol
set,37,1
prrsol
set,38,1
prrsol
!
set,39,1
prrsol
set,40,1
prrsol
set,41,1
prrsol
set,42,1
prrsol
set,43,1
prrsol
!
set,44,1
prrsol
set,45,1
prrsol
set,46,1
```

```
prrsol
set,47,1
prrsol
set,48,1
prrsol
!
set,49,1
prrsol
set,50,1
prrsol
set,51,1
prrsol
set,52,1
prrsol
set,53,1
prrsol
!
set,54,1
prrsol
set,55,1
prrsol
set,56,1
prrsol
set,57,1
prrsol
set,58,1
prrsol
set,59,1
prrsol
!
set,60,1
prrsol
set,61,1
prrsol
set,62,1
prrsol
set,63,1
prrsol
set,64,1
prrsol
finish
```

Computer Output File : NS.OUT Input File : NSMR1.IN

USE LOAD STEP   1 SUBSTEP   1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=   1 SUBSTEP=   1 CUMULATIVE ITERATION=   1
  TIME/FREQUENCY= 1.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP=   1 SUBSTEP=   1

TIME=   1.0000   LOAD CASE=   0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.493	0.00000E+00	0.00000E+00	0.00000E+00	21.931
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		1557.6				
305		931.37	0.00000E+00			
317		13.738				
329		9.6202				
343		50.152				
357		25.721				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

```
VALUE    0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -1.9952


USE LOAD STEP     2  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     2  SUBSTEP=     1  CUMULATIVE ITERATION=     2
  TIME/FREQUENCY=  2.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     2  SUBSTEP=     1

  TIME=    2.0000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.690     0.00000E+00 0.00000E+00 0.00000E+00  17.302

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               1266.8
   305               1100.8     0.00000E+00
   317               151.24
   329              -3.1468
   343               46.061
   357               26.288
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416
```

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -6.6247

USE LOAD STEP 3 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 3 SUBSTEP= 1 CUMULATIVE ITERATION= 3
TIME/FREQUENCY= 3.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 3 SUBSTEP= 1

TIME= 3.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.899	0.00000E+00	0.00000E+00	0.00000E+00	12.587
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		995.07				
305		1245.0	0.00000E+00			
317		294.37				
329		-15.216				
343		41.735				
357		26.853				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -11.339


USE LOAD STEP     4  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     4  SUBSTEP=     1  CUMULATIVE ITERATION=     4
  TIME/FREQUENCY=  4.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     4  SUBSTEP=     1

  TIME=    4.0000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  42.125     0.00000E+00 0.00000E+00 0.00000E+00  7.7680

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               751.01
   305               1352.8     0.00000E+00
   317               445.37
   329              -26.137
   343               37.070
   357               27.411
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
```

523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-16.159

USE LOAD STEP 5 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 5 SUBSTEP= 1 CUMULATIVE ITERATION= 5
TIME/FREQUENCY= 5.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 5 SUBSTEP= 1

TIME= 5.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	42.371	0.00000E+00	0.00000E+00	0.00000E+00	2.9198
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		538.89				
305		1419.4	0.00000E+00			
317		604.17				
329		-35.057				
343		32.021				
357		27.945				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-21.007

USE LOAD STEP 6 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 6 SUBSTEP= 1 CUMULATIVE ITERATION= 6
TIME/FREQUENCY= 6.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 6 SUBSTEP= 1

TIME= 6.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	42.639	0.00000E+00	0.00000E+00	0.00000E+00	-1.8355
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		360.93				
305		1442.5	0.00000E+00			
317		769.51				
329		-40.918				
343		26.573				
357		28.430				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			

469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-25.762

USE LOAD STEP 7 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 7 SUBSTEP= 1 CUMULATIVE ITERATION= 7
TIME/FREQUENCY= 7.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 7 SUBSTEP= 1

TIME= 7.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	42.926	0.00000E+00	0.00000E+00	0.00000E+00	-6.2814
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		215.11				
305		1426.5	0.00000E+00			
317		937.85				
329		-42.260				
343		20.767				
357		28.828				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				

```
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -30.208


USE LOAD STEP     8  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     8  SUBSTEP=     1  CUMULATIVE ITERATION=     8
  TIME/FREQUENCY=  8.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     8  SUBSTEP=     1

  TIME=    8.0000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  43.232      0.00000E+00 0.00000E+00 0.00000E+00 -10.178

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301                98.392
   305                1376.8      0.00000E+00
   317                1105.1
   329               -37.521
   343                14.662
   357                29.098
   371                18.794
   385                46.909      0.00000E+00
   399                46.909
```

```
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -34.105


USE LOAD STEP     9  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     9  SUBSTEP=     1  CUMULATIVE ITERATION=     9
  TIME/FREQUENCY=  9.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     9  SUBSTEP=     1

  TIME=    9.0000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  43.553     0.00000E+00 0.00000E+00 0.00000E+00 -13.286

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7194
   305               1299.0     0.00000E+00
   317               1267.0
   329              -25.139
   343               8.3137
   357               29.198
   371               18.794
```

385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-37.212

USE LOAD STEP 10 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 10 SUBSTEP= 1 CUMULATIVE ITERATION= 10
TIME/FREQUENCY= 10.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 10 SUBSTEP= 1

TIME= 10.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.888	0.00000E+00	0.00000E+00	0.00000E+00	-15.364
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-59.960				
305		1198.9	0.00000E+00			
317		1419.6				
329		-3.5531				
343		1.7798				

```
   357                29.087
   371                18.794
   385                46.909      0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -39.291


USE LOAD STEP    11  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    11  SUBSTEP=     1  CUMULATIVE ITERATION=    11
  TIME/FREQUENCY=  11.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    11  SUBSTEP=     1

  TIME=    11.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  44.234      0.00000E+00 0.00000E+00 0.00000E+00 -16.174

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               -107.70
   305                1081.9      0.00000E+00
   317                1558.6
```

329		28.800				
343		-4.8826				
357		28.723				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-40.100

USE LOAD STEP 12 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 12 SUBSTEP= 1 CUMULATIVE ITERATION= 12
TIME/FREQUENCY= 12.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 12 SUBSTEP= 1

TIME= 12.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.590	0.00000E+00	0.00000E+00	0.00000E+00	-15.475
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-138.55				

```
   305              953.76      0.00000E+00
   317              1680.0
   329              73.481
   343             -11.616
   357              28.065
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096      0.00000E+00
   469              22.070
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136      0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -39.401


USE LOAD STEP    13  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    13  SUBSTEP=     1  CUMULATIVE ITERATION=    13
  TIME/FREQUENCY=  13.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    13  SUBSTEP=     1

  TIME=    13.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  44.953      0.00000E+00 0.00000E+00 0.00000E+00 -13.027

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690
```

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301              -155.55
   305               820.00     0.00000E+00
   317               1779.5
   329               132.05
   343              -18.364
   357               27.071
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -36.954


USE LOAD STEP    14  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    14  SUBSTEP=     1  CUMULATIVE ITERATION=    14
  TIME/FREQUENCY=  14.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    14  SUBSTEP=     1

  TIME=    14.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  45.322     0.00000E+00 0.00000E+00 0.00000E+00 -8.5908
```

```
   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               -161.78
   305                686.26     0.00000E+00
   317                1853.2
   329                206.08
   343               -25.069
   357                25.700
   371                18.794
   385                46.909     0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096     0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136     0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -32.517


USE LOAD STEP    15  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    15  SUBSTEP=     1  CUMULATIVE ITERATION=    15
  TIME/FREQUENCY=  15.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    15  SUBSTEP=     1

  TIME=    15.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
```

```
    65  0.00000E+00  45.710     0.00000E+00 0.00000E+00 0.00000E+00 -1.4911

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301              -159.89
   305               553.49     0.00000E+00
   317               1896.4
   329               302.09
   343              -31.939
   357               23.808
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -25.418


USE LOAD STEP    16  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    16  SUBSTEP=     1  CUMULATIVE ITERATION=    16
  TIME/FREQUENCY=  16.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     16  SUBSTEP=      1

  TIME=     16.000      LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.076	0.00000E+00	0.00000E+00	0.00000E+00	7.7853
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-153.46				
305		436.85	0.00000E+00			
317		1904.9				
329		412.05				
343		-38.252				
357		21.542				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-16.141

USE LOAD STEP 17 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 17 SUBSTEP= 1 CUMULATIVE ITERATION= 17
TIME/FREQUENCY= 17.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 17 SUBSTEP= 1

TIME= 17.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.419	0.00000E+00	0.00000E+00	0.00000E+00	20.366
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-143.75				
305		329.16	0.00000E+00			
317		1879.0				
329		544.03				
343		-43.864				
357		18.699				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-3.5607

USE LOAD STEP 18 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 18 SUBSTEP= 1 CUMULATIVE ITERATION= 18
TIME/FREQUENCY= 18.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 18 SUBSTEP= 1

TIME= 18.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.659	0.00000E+00	0.00000E+00	0.00000E+00	35.915
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-132.91				
305		242.10	0.00000E+00			
317		1818.9				
329		686.81				
343		-47.304				
357		15.458				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	11.988

USE LOAD STEP 19 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 19 SUBSTEP= 1 CUMULATIVE ITERATION= 19
TIME/FREQUENCY= 19.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 19 SUBSTEP= 1

TIME= 19.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.739	0.00000E+00	0.00000E+00	0.00000E+00	55.275
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-121.17				
305		169.67	0.00000E+00			
317		1729.8				
329		840.32				
343		-47.415				
357		11.747				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	31.348

USE LOAD STEP 20 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 20 SUBSTEP= 1 CUMULATIVE ITERATION= 20
TIME/FREQUENCY= 20.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 20 SUBSTEP= 1

TIME= 20.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.579	0.00000E+00	0.00000E+00	0.00000E+00	78.988
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-108.76				
305		110.52	0.00000E+00			
317		1616.6				
329		999.80				
343		-42.641				
357		7.5839				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	55.062

USE LOAD STEP 21 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 21 SUBSTEP= 1 CUMULATIVE ITERATION= 21
TIME/FREQUENCY= 21.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 21 SUBSTEP= 1

TIME= 21.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.100	0.00000E+00	0.00000E+00	0.00000E+00	107.60
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-95.915				
305		63.324	0.00000E+00			
317		1484.1				
329		1160.5				
343		-31.428				
357		2.9862				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	83.670

USE LOAD STEP 22 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 22 SUBSTEP= 1 CUMULATIVE ITERATION= 22

TIME/FREQUENCY= 22.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 22 SUBSTEP= 1

TIME= 22.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.223	0.00000E+00	0.00000E+00	0.00000E+00	141.64
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-82.878				
305		26.736	0.00000E+00			
317		1337.3				
329		1317.6				
343		-12.220				
357		-2.0285				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	117.71

USE LOAD STEP 23 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 23 SUBSTEP= 1 CUMULATIVE ITERATION= 23
TIME/FREQUENCY= 23.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 23 SUBSTEP= 1

TIME= 23.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.868	0.00000E+00	0.00000E+00	0.00000E+00	181.66
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-69.881				
305		-0.58292	0.00000E+00			
317		1180.8				
329		1466.4				
343		16.537				
357		-7.4428				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	157.74

USE LOAD STEP 24 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 24 SUBSTEP= 1 CUMULATIVE ITERATION= 24
TIME/FREQUENCY= 24.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 24 SUBSTEP= 1

TIME= 24.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.954	0.00000E+00	0.00000E+00	0.00000E+00	228.20
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-57.160				
305		-19.971	0.00000E+00			
317		1019.7				
329		1602.0				
343		56.399				
357		-13.239				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	204.28

USE LOAD STEP 25 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 25 SUBSTEP= 1 CUMULATIVE ITERATION= 25
TIME/FREQUENCY= 25.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 25 SUBSTEP= 1

TIME= 25.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	39.404	0.00000E+00	0.00000E+00	0.00000E+00	281.81
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-44.952				
305		-32.769	0.00000E+00			
317		858.65				
329		1719.8				
343		108.92				
357		-19.400				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 257.88

USE LOAD STEP 26 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 26 SUBSTEP= 1 CUMULATIVE ITERATION= 26
TIME/FREQUENCY= 26.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 26 SUBSTEP= 1

TIME= 26.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	36.137	0.00000E+00	0.00000E+00	0.00000E+00	343.01
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-33.492				
305		-40.316	0.00000E+00			
317		702.60				
329		1815.0				
343		175.66				
357		-25.907				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 319.09

USE LOAD STEP 27 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 27 SUBSTEP= 1 CUMULATIVE ITERATION= 27
TIME/FREQUENCY= 27.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 27 SUBSTEP= 1

TIME= 27.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	31.849	0.00000E+00	0.00000E+00	0.00000E+00	415.81
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-22.657				
305		-43.930	0.00000E+00			
317		551.22				
329		1883.6				
343		262.71				
357		-33.050				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	391.88

USE LOAD STEP 28 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 28 SUBSTEP= 1 CUMULATIVE ITERATION= 28
TIME/FREQUENCY= 28.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 28 SUBSTEP= 1

TIME= 28.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	26.890	0.00000E+00	0.00000E+00	0.00000E+00	493.56
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-13.438				
305		-44.870	0.00000E+00			
317		420.08				
329		1918.2				
343		362.91				
357		-40.116				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				

523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	469.64

USE LOAD STEP 29 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 29 SUBSTEP= 1 CUMULATIVE ITERATION= 29
TIME/FREQUENCY= 29.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 29 SUBSTEP= 1

TIME= 29.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	20.873	0.00000E+00	0.00000E+00	0.00000E+00	579.94
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-5.1523				
305		-44.006	0.00000E+00			
317		300.34				
329		1920.9				
343		483.91				
357		-47.211				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	556.01

USE LOAD STEP 30 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 30 SUBSTEP= 1 CUMULATIVE ITERATION= 30
TIME/FREQUENCY= 30.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 30 SUBSTEP= 1

TIME= 30.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	14.275	0.00000E+00	0.00000E+00	0.00000E+00	664.22
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		1.3841				
305		-41.989	0.00000E+00			
317		204.43				
329		1888.8				
343		615.83				
357		-53.056				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			

469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	640.30

USE LOAD STEP 31 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 31 SUBSTEP= 1 CUMULATIVE ITERATION= 31
TIME/FREQUENCY= 31.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 31 SUBSTEP= 1

TIME= 31.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	7.0601	0.00000E+00	0.00000E+00	0.00000E+00	742.56
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		6.6701				
305		-39.105	0.00000E+00			
317		125.49				
329		1827.4				
343		759.08				
357		-56.882				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				

441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	718.64

USE LOAD STEP 32 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 32 SUBSTEP= 1 CUMULATIVE ITERATION= 32
TIME/FREQUENCY= 32.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 32 SUBSTEP= 1

TIME= 32.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-0.59937	0.00000E+00	0.00000E+00	0.00000E+00	807.34
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		10.819				
305		-35.479	0.00000E+00			
317		62.043				
329		1740.6				
343		909.81				
357		-57.533				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				

413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	783.42

USE LOAD STEP 33 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 33 SUBSTEP= 1 CUMULATIVE ITERATION= 33
TIME/FREQUENCY= 33.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 33 SUBSTEP= 1

TIME= 33.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-8.5308	0.00000E+00	0.00000E+00	0.00000E+00	850.96
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		13.942				
305		-31.237	0.00000E+00			
317		12.616				
329		1632.6				
343		1064.2				
357		-53.852				
371		18.794				

385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	827.03

USE LOAD STEP 34 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 34 SUBSTEP= 1 CUMULATIVE ITERATION= 34
TIME/FREQUENCY= 34.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 34 SUBSTEP= 1

TIME= 34.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-16.562	0.00000E+00	0.00000E+00	0.00000E+00	865.79
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		16.154				
305		-26.507	0.00000E+00			
317		-24.274				
329		1507.2				
343		1218.3				

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  357              -44.683
  371               18.794
  385               46.909     0.00000E+00
  399               46.909
  413               18.794
  427               24.984
  441               47.453
  455               47.096     0.00000E+00
  469               22.070
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136     0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  841.87


USE LOAD STEP    35  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    35  SUBSTEP=     1  CUMULATIVE ITERATION=    35
  TIME/FREQUENCY=  35.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    35  SUBSTEP=     1

  TIME=    35.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -24.519     0.00000E+00 0.00000E+00 0.00000E+00  844.24

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               17.567
   305              -21.414     0.00000E+00
   317              -50.105
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329	1368.6	
343	1368.5	
357	-28.871	
371	18.794	
385	46.909	0.00000E+00
399	46.909	
413	18.794	
427	24.984	
441	47.453	
455	47.096	0.00000E+00
469	22.070	
483	22.172	
497	47.096	
511	42.895	
523	40.924	
535	24.136	0.00000E+00
539	7.7416	

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	820.32

USE LOAD STEP 36 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 36 SUBSTEP= 1 CUMULATIVE ITERATION= 36
TIME/FREQUENCY= 36.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 36 SUBSTEP= 1

TIME= 36.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-32.232	0.00000E+00	0.00000E+00	0.00000E+00	778.69
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		18.294				

305	-16.085	0.00000E+00
317	-66.358	
329	1220.6	
343	1510.7	
357	-5.2596	
371	18.794	
385	46.909	0.00000E+00
399	46.909	
413	18.794	
427	24.984	
441	47.453	
455	47.096	0.00000E+00
469	22.070	
483	22.172	
497	47.096	
511	42.895	
523	40.924	
535	24.136	0.00000E+00
539	7.7416	

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	754.77

USE LOAD STEP 37 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 37 SUBSTEP= 1 CUMULATIVE ITERATION= 37
TIME/FREQUENCY= 37.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 37 SUBSTEP= 1

TIME= 37.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-39.526	0.00000E+00	0.00000E+00	0.00000E+00	661.53
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               18.448
   305              -10.647     0.00000E+00
   317              -74.511
   329               1067.4
   343               1641.2
   357               27.308
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  637.61


USE LOAD STEP    38  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    38  SUBSTEP=     1  CUMULATIVE ITERATION=    38
  TIME/FREQUENCY=  38.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    38  SUBSTEP=     1

  TIME=    38.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -46.230     0.00000E+00 0.00000E+00 0.00000E+00  485.16
```

```
   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               18.141
   305              -5.2266     0.00000E+00
   317              -76.045
   329               912.94
   343               1756.1
   357               69.987
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  461.23


USE LOAD STEP    39  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    39  SUBSTEP=     1  CUMULATIVE ITERATION=    39
  TIME/FREQUENCY=  39.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    39  SUBSTEP=     1

  TIME=    39.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ
```

65	0.00000E+00	-52.171	0.00000E+00	0.00000E+00	0.00000E+00	241.95
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		17.487				
305		0.50698E-01	0.00000E+00			
317		-72.439				
329		761.20				
343		1851.6				
357		123.93				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	218.02

USE LOAD STEP 40 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 40 SUBSTEP= 1 CUMULATIVE ITERATION= 40
TIME/FREQUENCY= 40.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 40 SUBSTEP= 1

TIME= 40.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-57.177	0.00000E+00	0.00000E+00	0.00000E+00	-75.694
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		16.598				
305		5.0579	0.00000E+00			
317		-65.171				
329		616.20				
343		1923.9				
357		190.31				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-99.621

USE LOAD STEP 41 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 41 SUBSTEP= 1 CUMULATIVE ITERATION= 41
TIME/FREQUENCY= 41.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 41 SUBSTEP= 1

TIME= 41.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-61.075	0.00000E+00	0.00000E+00	0.00000E+00	-475.39
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		15.587				
305		9.6684	0.00000E+00			
317		-55.723				
329		481.96				
343		1969.0				
357		270.26				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-499.31

USE LOAD STEP 42 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 42 SUBSTEP= 1 CUMULATIVE ITERATION= 42
TIME/FREQUENCY= 42.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 42 SUBSTEP= 1

TIME= 42.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-63.539	0.00000E+00	0.00000E+00	0.00000E+00	-963.38
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		14.557				
305		13.771	0.00000E+00			
317		-45.447				
329		362.02				
343		1983.9				
357		364.46				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-987.30

USE LOAD STEP 43 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 43 SUBSTEP= 1 CUMULATIVE ITERATION= 43
TIME/FREQUENCY= 43.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 43 SUBSTEP= 1

TIME= 43.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-63.628	0.00000E+00	0.00000E+00	0.00000E+00	-1540.5
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		13.572				
305		17.311	0.00000E+00			
317		-35.201				
329		258.15				
343		1967.8				
357		471.68				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-1564.4

USE LOAD STEP 44 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 44 SUBSTEP= 1 CUMULATIVE ITERATION= 44
TIME/FREQUENCY= 44.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 44 SUBSTEP= 1

TIME= 44.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-60.093	0.00000E+00	0.00000E+00	0.00000E+00	-2204.7
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		12.676				
305		20.264	0.00000E+00			
317		-25.588				
329		171.20				
343		1921.5				
357		589.68				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-2228.6

USE LOAD STEP 45 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 45 SUBSTEP= 1 CUMULATIVE ITERATION= 45
TIME/FREQUENCY= 45.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 45 SUBSTEP= 1

TIME= 45.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-51.069	0.00000E+00	0.00000E+00	0.00000E+00	-2948.7
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		11.874				
305		22.665	0.00000E+00			
317		-16.716				
329		100.24				
343		1848.4				
357		714.34				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-2972.7

USE LOAD STEP 46 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 46 SUBSTEP= 1 CUMULATIVE ITERATION= 46

TIME/FREQUENCY= 46.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 46 SUBSTEP= 1

TIME= 46.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-34.541	0.00000E+00	0.00000E+00	0.00000E+00	-3763.8
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		11.161				
305		24.562	0.00000E+00			
317		-8.5667				
329		43.874				
343		1752.2				
357		841.05				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-3787.7

USE LOAD STEP 47 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 47 SUBSTEP= 1 CUMULATIVE ITERATION= 47
TIME/FREQUENCY= 47.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 47 SUBSTEP= 1

TIME= 47.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-8.4889	0.00000E+00	0.00000E+00	0.00000E+00	-4641.1
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		10.532				
305		26.003	0.00000E+00			
317		-1.1207				
329		0.71166				
343		1636.9				
357		965.17				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-4665.1

USE LOAD STEP 48 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 48 SUBSTEP= 1 CUMULATIVE ITERATION= 48
TIME/FREQUENCY= 48.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	29.104	0.00000E+00	0.00000E+00	0.00000E+00	-5572.0
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		9.9812				
305		27.038	0.00000E+00			
317		5.6402				
329		-30.637				
343		1506.5				
357		1082.1				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-5595.9

USE LOAD STEP 49 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 49 SUBSTEP= 1 CUMULATIVE ITERATION= 49
TIME/FREQUENCY= 49.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 49 SUBSTEP= 1

TIME= 49.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	80.254	0.00000E+00	0.00000E+00	0.00000E+00	-6547.7
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		9.5045				
305		27.713	0.00000E+00			
317		11.734				
329		-51.563				
343		1364.8				
357		1187.2				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -6571.6

USE LOAD STEP 50 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 50 SUBSTEP= 1 CUMULATIVE ITERATION= 50
TIME/FREQUENCY= 50.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 50 SUBSTEP= 1

TIME= 50.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	146.98	0.00000E+00	0.00000E+00	0.00000E+00	-7559.5
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		9.0967				
305		28.079	0.00000E+00			
317		17.180				
329		-63.457				
343		1215.9				
357		1275.9				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -7583.4

USE LOAD STEP 51 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 51 SUBSTEP= 1 CUMULATIVE ITERATION= 51
TIME/FREQUENCY= 51.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 51 SUBSTEP= 1

TIME= 51.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	231.30	0.00000E+00	0.00000E+00	0.00000E+00	-8598.5
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		8.7529				
305		28.183	0.00000E+00			
317		21.997				
329		-67.709				
343		1063.6				
357		1343.5				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-8622.4

USE LOAD STEP 52 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 52 SUBSTEP= 1 CUMULATIVE ITERATION= 52
TIME/FREQUENCY= 52.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 52 SUBSTEP= 1

TIME= 52.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	335.23	0.00000E+00	0.00000E+00	0.00000E+00	-9656.1
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		8.4679				
305		28.074	0.00000E+00			
317		26.201				
329		-65.709				
343		911.93				
357		1385.5				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				

```
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -9680.1


USE LOAD STEP     53  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     53  SUBSTEP=      1  CUMULATIVE ITERATION=     53
  TIME/FREQUENCY=  53.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     53  SUBSTEP=      1

  TIME=     53.000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  460.79      0.00000E+00 0.00000E+00 0.00000E+00 -10724.

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               8.2368
   305               27.800      0.00000E+00
   317               29.814
   329              -58.849
   343               764.72
   357               1397.2
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
```

```
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -10748.


USE LOAD STEP    54  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    54  SUBSTEP=     1  CUMULATIVE ITERATION=    54
  TIME/FREQUENCY=  54.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    54  SUBSTEP=     1

  TIME=    54.000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  610.00      0.00000E+00 0.00000E+00 0.00000E+00 -11792.

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301                8.0547
   305                27.410      0.00000E+00
   317                32.852
   329               -48.519
   343                625.93
   357                1374.0
   371                18.794
   385                46.909      0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
```

469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-11816.

USE LOAD STEP 55 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 55 SUBSTEP= 1 CUMULATIVE ITERATION= 55
TIME/FREQUENCY= 55.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 55 SUBSTEP= 1

TIME= 55.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	784.87	0.00000E+00	0.00000E+00	0.00000E+00	-12853.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.9165				
305		26.953	0.00000E+00			
317		35.334				
329		-36.109				
343		499.51				
357		1311.2				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				

441	47.453				
455	47.096	0.00000E+00			
469	22.070				
483	22.172				
497	47.096				
511	42.895				
523	40.924				
535	24.136	0.00000E+00			
539	7.7416				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-12877.

USE LOAD STEP 56 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 56 SUBSTEP= 1 CUMULATIVE ITERATION= 56
TIME/FREQUENCY= 56.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 56 SUBSTEP= 1

TIME= 56.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	986.07	0.00000E+00	0.00000E+00	0.00000E+00	-13877.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.8171				
305		26.473	0.00000E+00			
317		37.283				
329		-22.916				
343		388.88				
357		1206.1				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				

413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-13901.

USE LOAD STEP 57 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 57 SUBSTEP= 1 CUMULATIVE ITERATION= 57
TIME/FREQUENCY= 57.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 57 SUBSTEP= 1

TIME= 57.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1208.9	0.00000E+00	0.00000E+00	0.00000E+00	-14755.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7512				
305		26.002	0.00000E+00			
317		38.744				
329		-9.8544				
343		295.58				
357		1062.6				
371		18.794				

385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-14779.

USE LOAD STEP 58 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 58 SUBSTEP= 1 CUMULATIVE ITERATION= 58
TIME/FREQUENCY= 58.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 58 SUBSTEP= 1

TIME= 58.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1445.8	0.00000E+00	0.00000E+00	0.00000E+00	-15336.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7131				
305		25.566	0.00000E+00			
317		39.768				
329		2.3485				
343		220.17				

```
   357               888.28
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -15360.


USE LOAD STEP    59  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    59  SUBSTEP=     1  CUMULATIVE ITERATION=    59
  TIME/FREQUENCY=  59.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    59  SUBSTEP=     1

  TIME=    59.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  1684.2      0.00000E+00 0.00000E+00 0.00000E+00 -15390.

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.6969
   305               25.175      0.00000E+00
   317               40.427
```

329		13.346				
343		161.27				
357		697.60				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-15414.

USE LOAD STEP 60 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 60 SUBSTEP= 1 CUMULATIVE ITERATION= 60
TIME/FREQUENCY= 60.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 60 SUBSTEP= 1

TIME= 60.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1909.7	0.00000E+00	0.00000E+00	0.00000E+00	-14666.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.6966				

305	24.837	0.00000E+00	
317	40.801		
329	22.886		
343	117.06		
357	506.75		
371	18.794		
385	46.909	0.00000E+00	
399	46.909		
413	18.794		
427	24.984		
441	47.453		
455	47.096	0.00000E+00	
469	22.070		
483	22.172		
497	47.096		
511	42.895		
523	40.924		
535	24.136	0.00000E+00	
539	7.7416		

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-14690.

USE LOAD STEP 61 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 61 SUBSTEP= 1 CUMULATIVE ITERATION= 61
TIME/FREQUENCY= 61.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 61 SUBSTEP= 1

TIME= 61.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2108.1	0.00000E+00	0.00000E+00	0.00000E+00	-12911.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7062
   305               24.562     0.00000E+00
   317               40.965
   329               30.716
   343               85.679
   357               331.92
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -12935.


USE LOAD STEP    62  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    62  SUBSTEP=     1  CUMULATIVE ITERATION=    62
  TIME/FREQUENCY=  62.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    62  SUBSTEP=     1

  TIME=    62.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  2265.4     0.00000E+00 0.00000E+00 0.00000E+00 -9876.3
```

```
  119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

  176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

  301               7.7196
  305               24.356     0.00000E+00
  317               40.997
  329               36.586
  343               65.285
  357               189.30
  371               18.794
  385               46.909     0.00000E+00
  399               46.909
  413               18.794
  427               24.984
  441               47.453
  455               47.096     0.00000E+00
  469               22.070
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136     0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -9900.2


USE LOAD STEP    63  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    63  SUBSTEP=     1  CUMULATIVE ITERATION=    63
  TIME/FREQUENCY=  63.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    63  SUBSTEP=     1

  TIME=    63.000      LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ
```

65	0.00000E+00	2367.4	0.00000E+00	0.00000E+00	0.00000E+00	-5309.1
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7309				
305		24.228	0.00000E+00			
317		40.975				
329		40.242				
343		54.032				
357		95.096				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-5333.0

USE LOAD STEP 64 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 64 SUBSTEP= 1 CUMULATIVE ITERATION= 64
TIME/FREQUENCY= 64.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 64 SUBSTEP= 1

TIME= 64.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2398.0	0.00000E+00	0.00000E+00	0.00000E+00	4.9946
119	0.00000E+00	41.697	0.00000E+00	0.00000E+00	0.00000E+00	-24.699
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7381				
305		24.162	0.00000E+00			
317		40.945				
329		42.133				
343		48.867				
357		43.944				
371		40.036				
385		50.510	0.00000E+00			
399		45.972				
413		18.763				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-18.941

EXIT THE ANSYS POST1 DATABASE PROCESSOR

***** ROUTINE COMPLETED ***** CP = 137.140

***** END OF INPUT ENCOUNTERED *****

PURGE ALL SOLUTION AND POST DATA
SAVE ALL MODEL DATA

ALL CURRENT ANSYS DATA WRITTEN TO FILE NAME= file.db
FOR POSSIBLE RESUME FROM THIS POINT

NUMBER OF WARNING MESSAGES ENCOUNTERED= 0

NUMBER OF ERROR MESSAGES ENCOUNTERED= 0

```
COMPUTER FILE : NSMR2.IN
OUTPUT FILE   : NS2.OUT
/title,monorail, basin side, load every 6 inches.
!         *** load case 1 to 65 starting from node 65 to 131 *****
et,1,4
et,2,1,
!
r,1,3.61,21.8,1.8,3,1.65,
r,2,.309,
ex,1,29e6
dens,1,.00073386
nuxy,1,.3
!
n,1,,,,
n,2,3,
ngen,8,2,1,2,1,6
n,17,48.25,,,
n,18,51.25,,,
ngen,6,2,17,18,1,6
n,29,84.5,,,
n,30,87.5,,
ngen,97,2,29,30,1,6
n,223,666.75,,,
n,224,669.75,,,
ngen,6,2,223,224,1,6
n,235,703,,
n,236,706,,
ngen,2,2,235,236,1,6
n,239,715,,
n,301,,22,,
n,305,12,22,,
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n,343,126.5,22,
n,357,168.5,22,
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n,511,630.5,22,,
n,523,666.75,22,,
n,535,703,22,,
n,539,715,22,,
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real,1
e,1,2
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mat,1
real,2
type,2
e,1,301
e,5,305
e,17,317
e,29,329
e,43,343
e,57,357
e,71,371
e,85,385
e,99,399
e,113,413
e,127,427
e,141,441
e,155,455
e,169,469
e,183,483
e,197,497
e,211,511
e,223,523
e,235,535
e,239,539
!
d,329,uy,,,511,14,,
d,301,uy
d,305,uy,,,317,12,,
d,523,uy,,,535,12,
d,539,uy
d,305,uz
d,385,uz
d,455,uz
d,535,uz
d,65,all
d,119,all
d,176,all
!
nlist,all
elist,all
dlist,all
finish
!
/solu
antyp,0
stat
```

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acel,,386.4,,
f,65,fy,-1200,,67,2
lswrite,1
fdele,all
f,66,fy,-1200,,68,2
lswrite,2
fdele,all
f,67,fy,-1200,,69,2
lswrite,3
fdele,all
f,68,fy,-1200,,70,2
lswrite,4
fdele,all
f,69,fy,-1200,,71,2
lswrite,5
fdele,all
f,70,fy,-1200,,72,2
lswrite,6
fdele,all
f,71,fy,-1200,,73,2
lswrite,7
fdele,all
f,72,fy,-1200,,74,2
lswrite,8
fdele,all
f,73,fy,-1200,,75,2
lswrite,9
fdele,all
f,74,fy,-1200,,76,2
lswrite,10
fdele,all
f,75,fy,-1200,,77,2
lswrite,11
fdele,all
f,76,fy,-1200,,78,2
lswrite,12
fdele,all
f,77,fy,-1200,,79,2
lswrite,13
fdele,all
f,78,fy,-1200,,80,2
lswrite,14
fdele,all
f,79,fy,-1200,,81,2
lswrite,15
fdele,all
f,80,fy,-1200,,82,2
lswrite,16
fdele,all
f,81,fy,-1200,,83,2
```

```
lswrite,17
fdele,all
f,82,fy,-1200,,84,2
lswrite,18
fdele,all
f,83,fy,-1200,,85,2
lswrite,19
fdele,all
f,84,fy,-1200,,86,2
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fdele,all
f,85,fy,-1200,,87,2
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f,86,fy,-1200,,88,2
lswrite,22
fdele,all
f,87,fy,-1200,,89,2
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fdele,all
f,88,fy,-1200,,90,2
lswrite,24
fdele,all
f,89,fy,-1200,,91,2
lswrite,25
fdele,all
f,90,fy,-1200,,92,2
lswrite,26
fdele,all
f,91,fy,-1200,,93,2
lswrite,27
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f,92,fy,-1200,,94,2
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f,93,fy,-1200,,95,2
lswrite,29
fdele,all
f,94,fy,-1200,,96,2
lswrite,30
fdele,all
f,95,fy,-1200,,97,2
lswrite,31
fdele,all
f,96,fy,-1200,,98,2
lswrite,32
fdele,all
f,97,fy,-1200,,99,2
lswrite,33
fdele,all
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f,98,fy,-1200,,100,2
lswrite,34
fdele,all
f,99,fy,-1200,,101,2
lswrite,35
fdele,all
f,100,fy,-1200,,102,2
lswrite,36
fdele,all
f,101,fy,-1200,,103,2
lswrite,37
fdele,all
f,102,fy,-1200,,104,2
lswrite,38
fdele,all
f,103,fy,-1200,,105,2
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fdele,all
f,104,fy,-1200,,106,2
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f,105,fy,-1200,,107,2
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f,106,fy,-1200,,108,2
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f,108,fy,-1200,,110,2
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f,109,fy,-1200,,111,2
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f,110,fy,-1200,,112,2
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f,111,fy,-1200,,113,2
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f,112,fy,-1200,,114,2
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f,113,fy,-1200,,115,2
lswrite,49
fdele,all
f,114,fy,-1200,,116,2
lswrite,50
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f,115,fy,-1200,,117,2
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f,116,fy,-1200,,118,2
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f,117,fy,-1200,,119,2,
lswrite,53
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f,118,fy,-1200,,120,2
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fdele,all
f,119,fy,-1200,,121,2
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fdele,all
f,120,fy,-1200,,122,2
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fdele,all
f,121,fy,-1200,,123,2
lswrite,57
fdele,all
f,122,fy,-1200,,124,2
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fdele,all
f,123,fy,-1200,,125,2
lswrite,59
fdele,all
f,124,fy,-1200,,126,2
lswrite,60
fdele,all
f,125,fy,-1200,,127,2
lswrite,61
fdele,all
f,126,fy,-1200,,128,2
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fdele,all
f,127,fy,-1200,,129,2
lswrite,63
fdele,all
f,128,fy,-1200,,130,2
lswrite,64
fdele,all
f,129,fy,-1200,,131,2
lswrite,65
fdele,all
!
lssolve,1,65,1
finish
/post1
```

```
/output,ns2,out
set,1,1
prrsol
set,2,1
prrsol
set,3,1
prrsol
set,4,1
prrsol
set,5,1
prrsol
!
set,6,1
prrsol
set,7,1
prrsol
set,8,1
prrsol
set,9,1
prrsol
set,10,1
prrsol
!
set,11,1
prrsol
set,12,1
prrsol
set,13,1
prrsol
set,14,1
prrsol
set,15,1
prrsol
!
set,16,1
prrsol
set,17,1
prrsol
set,18,1
prrsol
set,19,1
prrsol
set,20,1
prrsol
!
set,21,1
prrsol
set,22,1
prrsol
set,23,1
```

```
prrsol
set,24,1
prrsol
set,25,1
prrsol
!
set,26,1
prrsol
set,27,1
prrsol
set,28,1
prrsol
set,29,1
prrsol
set,30,1
prrsol
!
set,31,1
prrsol
set,32,1
prrsol
set,33,1
prrsol
set,34,1
prrsol
set,35,1
prrsol
!
set,36,1
prrsol
set,37,1
prrsol
set,38,1
prrsol
!
set,39,1
prrsol
set,40,1
prrsol
set,41,1
prrsol
set,42,1
prrsol
set,43,1
prrsol
!
set,44,1
prrsol
set,45,1
prrsol
```

```
set,46,1
prrsol
set,47,1
prrsol
set,48,1
prrsol
!
set,49,1
prrsol
set,50,1
prrsol
set,51,1
prrsol
set,52,1
prrsol
set,53,1
prrsol
!
set,54,1
prrsol
set,55,1
prrsol
set,56,1
prrsol
set,57,1
prrsol
set,58,1
prrsol
set,59,1
prrsol
!
set,60,1
prrsol
set,61,1
prrsol
set,62,1
prrsol
set,63,1
prrsol
set,64,1
prrsol
finish
```

Computer File: NS2.OUT Input File : NSMR2.IN

USE LOAD STEP 1 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 1 SUBSTEP= 1 CUMULATIVE ITERATION= 1
TIME/FREQUENCY= 1.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 1 SUBSTEP= 1

TIME= 1.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2353.1	0.00000E+00	0.00000E+00	0.00000E+00	5300.1
119	0.00000E+00	41.838	0.00000E+00	0.00000E+00	0.00000E+00	-24.505
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		96.100				
385		61.683	0.00000E+00			
399		43.328				
413		18.654				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	5276.3

USE LOAD STEP 2 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 2 SUBSTEP= 1 CUMULATIVE ITERATION= 2
TIME/FREQUENCY= 2.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 2 SUBSTEP= 1

TIME= 2.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2234.6	0.00000E+00	0.00000E+00	0.00000E+00	9819.8
119	0.00000E+00	42.102	0.00000E+00	0.00000E+00	0.00000E+00	-23.790
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		196.74				
385		84.577	0.00000E+00			
399		38.291				
413		18.414				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	9796.8

USE LOAD STEP 3 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 3 SUBSTEP= 1 CUMULATIVE ITERATION= 3
TIME/FREQUENCY= 3.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 3 SUBSTEP= 1

TIME= 3.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2056.1	0.00000E+00	0.00000E+00	0.00000E+00	12827.
119	0.00000E+00	42.506	0.00000E+00	0.00000E+00	0.00000E+00	-22.011
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		344.04				
385		123.71	0.00000E+00			
399		30.342				
413		17.975				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 12806.

USE LOAD STEP 4 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 4 SUBSTEP= 1 CUMULATIVE ITERATION= 4
TIME/FREQUENCY= 4.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 4 SUBSTEP= 1

TIME= 4.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1839.2	0.00000E+00	0.00000E+00	0.00000E+00	14630.
119	0.00000E+00	43.012	0.00000E+00	0.00000E+00	0.00000E+00	-18.511
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		515.01				
385		180.19	0.00000E+00			
399		19.984				
413		17.293				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 14613.

USE LOAD STEP 5 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 5 SUBSTEP= 1 CUMULATIVE ITERATION= 5
TIME/FREQUENCY= 5.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 5 SUBSTEP= 1

TIME= 5.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1605.3	0.00000E+00	0.00000E+00	0.00000E+00	15538.
119	0.00000E+00	43.579	0.00000E+00	0.00000E+00	0.00000E+00	-12.630
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		686.68				
385		255.10	0.00000E+00			
399		7.7179				
413		16.324				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	15526.

USE LOAD STEP 6 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 6 SUBSTEP= 1 CUMULATIVE ITERATION= 6
TIME/FREQUENCY= 6.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 6 SUBSTEP= 1

TIME= 6.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1373.9	0.00000E+00	0.00000E+00	0.00000E+00	15836.
119	0.00000E+00	44.164	0.00000E+00	0.00000E+00	0.00000E+00	-3.7371
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		838.32				
385		349.14	0.00000E+00			
399		-5.8776				
413		15.030				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				

523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	15833.

USE LOAD STEP 7 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 7 SUBSTEP= 1 CUMULATIVE ITERATION= 7
TIME/FREQUENCY= 7.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 7 SUBSTEP= 1

TIME= 7.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1157.0	0.00000E+00	0.00000E+00	0.00000E+00	15717.
119	0.00000E+00	44.711	0.00000E+00	0.00000E+00	0.00000E+00	8.6874
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		958.26				
385		461.27	0.00000E+00			
399		-19.921				
413		13.391				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	15726.

USE LOAD STEP 8 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 8 SUBSTEP= 1 CUMULATIVE ITERATION= 8
TIME/FREQUENCY= 8.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 8 SUBSTEP= 1

TIME= 8.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	962.56	0.00000E+00	0.00000E+00	0.00000E+00	15327.
119	0.00000E+00	45.153	0.00000E+00	0.00000E+00	0.00000E+00	25.108
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		1039.3				
385		589.63	0.00000E+00			
399		-33.378				
413		11.400				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			

469	22.070				
483	22.172				
497	47.096				
511	42.895				
523	40.924				
535	24.136	0.00000E+00			
539	7.7416				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	15353.

USE LOAD STEP 9 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 9 SUBSTEP= 1 CUMULATIVE ITERATION= 9
TIME/FREQUENCY= 9.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 9 SUBSTEP= 1

TIME= 9.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	791.02	0.00000E+00	0.00000E+00	0.00000E+00	14721.
119	0.00000E+00	45.410	0.00000E+00	0.00000E+00	0.00000E+00	45.880
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		1083.5				
385		730.66	0.00000E+00			
399		-44.911				
413		9.0705				
427		24.984				

441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	14767.

USE LOAD STEP 10 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 10 SUBSTEP= 1 CUMULATIVE ITERATION= 10
TIME/FREQUENCY= 10.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 10 SUBSTEP= 1

TIME= 10.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	640.86	0.00000E+00	0.00000E+00	0.00000E+00	13928.
119	0.00000E+00	45.400	0.00000E+00	0.00000E+00	0.00000E+00	71.328
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		1094.8				
385		880.37	0.00000E+00			
399		-53.106				

413		6.4208				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	14000.

USE LOAD STEP 11 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 11 SUBSTEP= 1 CUMULATIVE ITERATION= 11
TIME/FREQUENCY= 11.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 11 SUBSTEP= 1

TIME= 11.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	510.55	0.00000E+00	0.00000E+00	0.00000E+00	12980.
119	0.00000E+00	45.039	0.00000E+00	0.00000E+00	0.00000E+00	101.78
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		1077.4				

385		1034.8	0.00000E+00			
399		-56.550				
413		3.4690				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	13083.

USE LOAD STEP 12 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 12 SUBSTEP= 1 CUMULATIVE ITERATION= 12
TIME/FREQUENCY= 12.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 12 SUBSTEP= 1

TIME= 12.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	398.57	0.00000E+00	0.00000E+00	0.00000E+00	11907.
119	0.00000E+00	44.242	0.00000E+00	0.00000E+00	0.00000E+00	137.56
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

357		25.094				
371		1035.6				
385		1189.9	0.00000E+00			
399		-53.829				
413		0.23336				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	12046.

USE LOAD STEP 13 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 13 SUBSTEP= 1 CUMULATIVE ITERATION= 13
TIME/FREQUENCY= 13.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 13 SUBSTEP= 1

TIME= 13.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	303.42	0.00000E+00	0.00000E+00	0.00000E+00	10741.
119	0.00000E+00	42.927	0.00000E+00	0.00000E+00	0.00000E+00	178.99
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				

329		42.791				
343		47.350				
357		25.094				
371		973.39				
385		1341.8	0.00000E+00			
399		-43.529				
413		-3.2678				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	10920.

USE LOAD STEP 14 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 14 SUBSTEP= 1 CUMULATIVE ITERATION= 14
TIME/FREQUENCY= 14.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 14 SUBSTEP= 1

TIME= 14.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	223.57	0.00000E+00	0.00000E+00	0.00000E+00	9510.6
119	0.00000E+00	41.011	0.00000E+00	0.00000E+00	0.00000E+00	226.40
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				

305	24.140	0.00000E+00
317	40.926	
329	42.791	
343	47.350	
357	25.094	
371	895.02	
385	1486.4	0.00000E+00
399	-24.236	
413	-7.0162	
427	24.984	
441	47.453	
455	47.096	0.00000E+00
469	22.070	
483	22.172	
497	47.096	
511	42.895	
523	40.924	
535	24.136	0.00000E+00
539	7.7416	

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	9737.8

USE LOAD STEP 15 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 15 SUBSTEP= 1 CUMULATIVE ITERATION= 15
TIME/FREQUENCY= 15.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 15 SUBSTEP= 1

TIME= 15.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	157.50	0.00000E+00	0.00000E+00	0.00000E+00	8248.1
119	0.00000E+00	38.408	0.00000E+00	0.00000E+00	0.00000E+00	280.12

176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330	
301		7.7411					
305		24.140	0.00000E+00				
317		40.926					
329		42.791					
343		47.350					
357		25.094					
371		804.62					
385		1619.7	0.00000E+00				
399		5.4630					
413		-10.994					
427		24.984					
441		47.453					
455		47.096	0.00000E+00				
469		22.070					
483		22.172					
497		47.096					
511		42.895					
523		40.924					
535		24.136	0.00000E+00				
539		7.7416					
TOTAL VALUES							
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	8529.0	

USE LOAD STEP 16 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 16 SUBSTEP= 1 CUMULATIVE ITERATION= 16
TIME/FREQUENCY= 16.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 16 SUBSTEP= 1

TIME= 16.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	103.70	0.00000E+00	0.00000E+00	0.00000E+00	6983.7

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   119  0.00000E+00  35.037     0.00000E+00 0.00000E+00 0.00000E+00  340.48

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               706.34
   385               1737.8     0.00000E+00
   399               46.982
   413              -15.182
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  7324.9


USE LOAD STEP    17  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    17  SUBSTEP=     1  CUMULATIVE ITERATION=    17
  TIME/FREQUENCY=  17.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    17  SUBSTEP=     1

  TIME=    17.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
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    65  0.00000E+00  60.639     0.00000E+00 0.00000E+00 0.00000E+00  5748.1

   119  0.00000E+00  30.813     0.00000E+00 0.00000E+00 0.00000E+00  407.79

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               604.34
   385               1836.7     0.00000E+00
   399               101.74
   413              -19.562
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  6156.6


USE LOAD STEP    18  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    18  SUBSTEP=     1  CUMULATIVE ITERATION=    18
  TIME/FREQUENCY=  18.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    18  SUBSTEP=     1

  TIME=    18.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
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NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	26.809	0.00000E+00	0.00000E+00	0.00000E+00	4572.0
119	0.00000E+00	25.654	0.00000E+00	0.00000E+00	0.00000E+00	482.38
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		502.78				
385		1912.4	0.00000E+00			
399		171.14				
413		-24.117				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	5055.2

USE LOAD STEP 19 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 19 SUBSTEP= 1 CUMULATIVE ITERATION= 19
TIME/FREQUENCY= 19.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 19 SUBSTEP= 1

TIME= 19.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	0.68800	0.00000E+00	0.00000E+00	0.00000E+00	3486.2
119	0.00000E+00	19.475	0.00000E+00	0.00000E+00	0.00000E+00	564.59
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		405.80				
385		1961.0	0.00000E+00			
399		256.60				
413		-28.828				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	4051.6

USE LOAD STEP 20 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 20 SUBSTEP= 1 CUMULATIVE ITERATION= 20
TIME/FREQUENCY= 20.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 20 SUBSTEP= 1

TIME= 20.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-19.150	0.00000E+00	0.00000E+00	0.00000E+00	2517.8
119	0.00000E+00	12.234	0.00000E+00	0.00000E+00	0.00000E+00	653.76
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		317.15				
385		1979.0	0.00000E+00			
399		359.10				
413		-33.600				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3172.3

USE LOAD STEP 21 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 21 SUBSTEP= 1 CUMULATIVE ITERATION= 21
TIME/FREQUENCY= 21.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 21 SUBSTEP= 1

TIME= 21.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-33.767	0.00000E+00	0.00000E+00	0.00000E+00	1680.0
119	0.00000E+00	4.0580	0.00000E+00	0.00000E+00	0.00000E+00	745.31
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		238.86				
385		1965.7	0.00000E+00			
399		477.85				
413		-38.036				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	2426.1

USE LOAD STEP 22 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 22 SUBSTEP= 1 CUMULATIVE ITERATION= 22
TIME/FREQUENCY= 22.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 22 SUBSTEP= 1

TIME= 22.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-44.037	0.00000E+00	0.00000E+00	0.00000E+00	978.85
119	0.00000E+00	-4.8443	0.00000E+00	0.00000E+00	0.00000E+00	832.73
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		172.11				
385		1921.9	0.00000E+00			
399		611.19				
413		-41.585				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	1812.3

USE LOAD STEP 23 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 23 SUBSTEP= 1 CUMULATIVE ITERATION= 23
TIME/FREQUENCY= 23.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 23 SUBSTEP= 1

TIME= 23.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-50.472	0.00000E+00	0.00000E+00	0.00000E+00	406.52
119	0.00000E+00	-14.096	0.00000E+00	0.00000E+00	0.00000E+00	905.57
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		116.40				
385		1850.6	0.00000E+00			
399		755.69				
413		-43.393				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	1312.9

USE LOAD STEP 24 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 24 SUBSTEP= 1 CUMULATIVE ITERATION= 24

TIME/FREQUENCY= 24.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 24 SUBSTEP= 1

TIME= 24.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-53.490	0.00000E+00	0.00000E+00	0.00000E+00	-48.442
119	0.00000E+00	-23.279	0.00000E+00	0.00000E+00	0.00000E+00	952.40
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		70.806				
385		1755.7	0.00000E+00			
399		907.51				
413		-42.531				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	904.72

USE LOAD STEP 25 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 25 SUBSTEP= 1 CUMULATIVE ITERATION= 25
TIME/FREQUENCY= 25.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 25 SUBSTEP= 1

TIME= 25.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-53.509	0.00000E+00	0.00000E+00	0.00000E+00	-397.45
119	0.00000E+00	-31.975	0.00000E+00	0.00000E+00	0.00000E+00	961.82
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		34.390				
385		1641.1	0.00000E+00			
399		1062.8				
413		-38.068				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	565.13

USE LOAD STEP 26 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 26 SUBSTEP= 1 CUMULATIVE ITERATION= 26
TIME/FREQUENCY= 26.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 26 SUBSTEP= 1

TIME= 26.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-50.948	0.00000E+00	0.00000E+00	0.00000E+00	-651.94
119	0.00000E+00	-39.764	0.00000E+00	0.00000E+00	0.00000E+00	922.39
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		6.2243				
385		1510.6	0.00000E+00			
399		1217.6				
413		-29.074				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	271.21

USE LOAD STEP 27 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 27 SUBSTEP= 1 CUMULATIVE ITERATION= 27
TIME/FREQUENCY= 27.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 27 SUBSTEP= 1

TIME= 27.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-46.226	0.00000E+00	0.00000E+00	0.00000E+00	-823.32
119	0.00000E+00	-46.229	0.00000E+00	0.00000E+00	0.00000E+00	822.70
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-14.620				
385		1368.2	0.00000E+00			
399		1368.2				
413		-14.620				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 0.14243

USE LOAD STEP 28 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 28 SUBSTEP= 1 CUMULATIVE ITERATION= 28
TIME/FREQUENCY= 28.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 28 SUBSTEP= 1

TIME= 28.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-39.761	0.00000E+00	0.00000E+00	0.00000E+00	-923.01
119	0.00000E+00	-50.951	0.00000E+00	0.00000E+00	0.00000E+00	651.32
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-29.074				
385		1217.6	0.00000E+00			
399		1510.6				
413		6.2243				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -270.93

USE LOAD STEP 29 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 29 SUBSTEP= 1 CUMULATIVE ITERATION= 29
TIME/FREQUENCY= 29.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 29 SUBSTEP= 1

TIME= 29.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-31.972	0.00000E+00	0.00000E+00	0.00000E+00	-962.44
119	0.00000E+00	-53.512	0.00000E+00	0.00000E+00	0.00000E+00	396.83
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-38.068				
385		1062.8	0.00000E+00			
399		1641.1				
413		34.390				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -564.84


USE LOAD STEP    30  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    30  SUBSTEP=     1  CUMULATIVE ITERATION=    30
  TIME/FREQUENCY=  30.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    30  SUBSTEP=     1

  TIME=    30.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -23.276     0.00000E+00 0.00000E+00 0.00000E+00 -953.02

   119  0.00000E+00 -53.493     0.00000E+00 0.00000E+00 0.00000E+00  47.821

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -42.531
   385               907.51     0.00000E+00
   399               1755.7
   413               70.806
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
```

```
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -904.44


USE LOAD STEP    31  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    31  SUBSTEP=     1  CUMULATIVE ITERATION=    31
  TIME/FREQUENCY=  31.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    31  SUBSTEP=     1

  TIME=    31.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -14.093     0.00000E+00 0.00000E+00 0.00000E+00 -906.19

   119  0.00000E+00 -50.475     0.00000E+00 0.00000E+00 0.00000E+00 -407.14

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -43.393
   385               755.69     0.00000E+00
   399               1850.6
   413               116.40
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
```

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-1312.6

USE LOAD STEP 32 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 32 SUBSTEP= 1 CUMULATIVE ITERATION= 32
TIME/FREQUENCY= 32.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 32 SUBSTEP= 1

TIME= 32.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-4.8413	0.00000E+00	0.00000E+00	0.00000E+00	-833.35
119	0.00000E+00	-44.040	0.00000E+00	0.00000E+00	0.00000E+00	-979.47
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-41.585				
385		611.19	0.00000E+00			
399		1921.9				
413		172.11				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			

469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-1812.1

USE LOAD STEP 33 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 33 SUBSTEP= 1 CUMULATIVE ITERATION= 33
TIME/FREQUENCY= 33.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 33 SUBSTEP= 1

TIME= 33.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	4.0610	0.00000E+00	0.00000E+00	0.00000E+00	-745.93
119	0.00000E+00	-33.770	0.00000E+00	0.00000E+00	0.00000E+00	-1680.6
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-38.036				
385		477.85	0.00000E+00			
399		1965.7				
413		238.86				
427		24.984				

441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-2425.8

USE LOAD STEP 34 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 34 SUBSTEP= 1 CUMULATIVE ITERATION= 34
TIME/FREQUENCY= 34.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 34 SUBSTEP= 1

TIME= 34.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	12.237	0.00000E+00	0.00000E+00	0.00000E+00	-654.38
119	0.00000E+00	-19.154	0.00000E+00	0.00000E+00	0.00000E+00	-2518.4
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-33.600				
385		359.10	0.00000E+00			
399		1979.0				

413		317.15				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-3172.0

USE LOAD STEP 35 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 35 SUBSTEP= 1 CUMULATIVE ITERATION= 35
TIME/FREQUENCY= 35.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 35 SUBSTEP= 1

TIME= 35.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	19.478	0.00000E+00	0.00000E+00	0.00000E+00	-565.21
119	0.00000E+00	0.68499	0.00000E+00	0.00000E+00	0.00000E+00	-3486.8
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-28.828				

385		256.60	0.00000E+00			
399		1961.0				
413		405.80				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-4051.3

USE LOAD STEP 36 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 36 SUBSTEP= 1 CUMULATIVE ITERATION= 36
TIME/FREQUENCY= 36.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 36 SUBSTEP= 1

TIME= 36.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	25.657	0.00000E+00	0.00000E+00	0.00000E+00	-483.01
119	0.00000E+00	26.806	0.00000E+00	0.00000E+00	0.00000E+00	-4572.6
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

```
   357                25.094
   371               -24.117
   385                171.14      0.00000E+00
   399                1912.4
   413                502.78
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -5054.9


USE LOAD STEP    37  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    37  SUBSTEP=     1  CUMULATIVE ITERATION=    37
  TIME/FREQUENCY=  37.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    37  SUBSTEP=     1

  TIME=    37.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  30.817      0.00000E+00 0.00000E+00 0.00000E+00 -408.41

   119  0.00000E+00  60.636      0.00000E+00 0.00000E+00 0.00000E+00 -5748.7

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
```

329		42.791				
343		47.350				
357		25.094				
371		-19.562				
385		101.74	0.00000E+00			
399		1836.7				
413		604.34				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-6156.3

USE LOAD STEP 38 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 38 SUBSTEP= 1 CUMULATIVE ITERATION= 38
TIME/FREQUENCY= 38.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 38 SUBSTEP= 1

TIME= 38.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	35.040	0.00000E+00	0.00000E+00	0.00000E+00	-341.10
119	0.00000E+00	103.69	0.00000E+00	0.00000E+00	0.00000E+00	-6984.3
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				

305	24.140	0.00000E+00				
317	40.926					
329	42.791					
343	47.350					
357	25.094					
371	-15.182					
385	46.982	0.00000E+00				
399	1737.8					
413	706.34					
427	24.984					
441	47.453					
455	47.096	0.00000E+00				
469	22.070					
483	22.172					
497	47.096					
511	42.895					
523	40.924					
535	24.136	0.00000E+00				
539	7.7416					

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-7324.6

USE LOAD STEP 39 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 39 SUBSTEP= 1 CUMULATIVE ITERATION= 39
TIME/FREQUENCY= 39.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 39 SUBSTEP= 1

TIME= 39.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	38.411	0.00000E+00	0.00000E+00	0.00000E+00	-280.74
119	0.00000E+00	157.50	0.00000E+00	0.00000E+00	0.00000E+00	-8248.7

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -10.994
   385               5.4630     0.00000E+00
   399               1619.7
   413               804.62
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -8528.7


USE LOAD STEP    40  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    40  SUBSTEP=     1  CUMULATIVE ITERATION=    40
  TIME/FREQUENCY=  40.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    40  SUBSTEP=     1

  TIME=    40.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.014     0.00000E+00 0.00000E+00 0.00000E+00 -227.02
```

```
   119  0.00000E+00  223.57     0.00000E+00 0.00000E+00 0.00000E+00 -9511.2

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -7.0162
   385              -24.236     0.00000E+00
   399               1486.4
   413               895.02
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -9737.5


USE LOAD STEP     41  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     41  SUBSTEP=      1  CUMULATIVE ITERATION=     41
  TIME/FREQUENCY=  41.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     41  SUBSTEP=      1

  TIME=     41.000      LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX          FY          FZ          MX          MY          MZ
```

```
    65  0.00000E+00  42.930     0.00000E+00 0.00000E+00 0.00000E+00 -179.61

   119  0.00000E+00  303.42     0.00000E+00 0.00000E+00 0.00000E+00 -10741.

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -3.2678
   385               -43.529     0.00000E+00
   399               1341.8
   413               973.39
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -10920.


USE LOAD STEP    42  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    42  SUBSTEP=     1  CUMULATIVE ITERATION=    42
  TIME/FREQUENCY=  42.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    42  SUBSTEP=     1

  TIME=    42.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.245	0.00000E+00	0.00000E+00	0.00000E+00	-138.18
119	0.00000E+00	398.57	0.00000E+00	0.00000E+00	0.00000E+00	-11908.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		0.23336				
385		-53.829	0.00000E+00			
399		1189.9				
413		1035.6				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-12045.

USE LOAD STEP 43 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 43 SUBSTEP= 1 CUMULATIVE ITERATION= 43
TIME/FREQUENCY= 43.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 43 SUBSTEP= 1

TIME= 43.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.042	0.00000E+00	0.00000E+00	0.00000E+00	-102.40
119	0.00000E+00	510.54	0.00000E+00	0.00000E+00	0.00000E+00	-12981.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		3.4690				
385		-56.550	0.00000E+00			
399		1034.8				
413		1077.4				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-13082.

USE LOAD STEP 44 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 44 SUBSTEP= 1 CUMULATIVE ITERATION= 44
TIME/FREQUENCY= 44.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 44 SUBSTEP= 1

TIME= 44.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.403	0.00000E+00	0.00000E+00	0.00000E+00	-71.948
119	0.00000E+00	640.85	0.00000E+00	0.00000E+00	0.00000E+00	-13929.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		6.4208				
385		-53.106	0.00000E+00			
399		880.37				
413		1094.8				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-14000.

USE LOAD STEP 45 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 45 SUBSTEP= 1 CUMULATIVE ITERATION= 45
TIME/FREQUENCY= 45.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 45 SUBSTEP= 1

TIME= 45.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.413	0.00000E+00	0.00000E+00	0.00000E+00	-46.501
119	0.00000E+00	791.02	0.00000E+00	0.00000E+00	0.00000E+00	-14721.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		9.0705				
385		-44.911	0.00000E+00			
399		730.66				
413		1083.5				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-14767.

USE LOAD STEP 46 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 46 SUBSTEP= 1 CUMULATIVE ITERATION= 46
TIME/FREQUENCY= 46.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 46 SUBSTEP= 1

TIME= 46.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.156	0.00000E+00	0.00000E+00	0.00000E+00	-25.729
119	0.00000E+00	962.56	0.00000E+00	0.00000E+00	0.00000E+00	-15328.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		11.400				
385		-33.378	0.00000E+00			
399		589.63				
413		1039.3				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-15353.

USE LOAD STEP 47 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 47 SUBSTEP= 1 CUMULATIVE ITERATION= 47
TIME/FREQUENCY= 47.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 47 SUBSTEP= 1

TIME= 47.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.714	0.00000E+00	0.00000E+00	0.00000E+00	-9.3083
119	0.00000E+00	1157.0	0.00000E+00	0.00000E+00	0.00000E+00	-15718.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		13.391				
385		-19.921	0.00000E+00			
399		461.27				
413		958.26				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-15726.

USE LOAD STEP 48 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 48 SUBSTEP= 1 CUMULATIVE ITERATION= 48

TIME/FREQUENCY= 48.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.167	0.00000E+00	0.00000E+00	0.00000E+00	3.1162
119	0.00000E+00	1373.9	0.00000E+00	0.00000E+00	0.00000E+00	-15837.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		15.030				
385		-5.8776	0.00000E+00			
399		349.14				
413		838.32				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-15833.

USE LOAD STEP 49 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 49 SUBSTEP= 1 CUMULATIVE ITERATION= 49
TIME/FREQUENCY= 49.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 49 SUBSTEP= 1

TIME= 49.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.582	0.00000E+00	0.00000E+00	0.00000E+00	12.009
119	0.00000E+00	1605.3	0.00000E+00	0.00000E+00	0.00000E+00	-15539.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		16.324				
385		7.7179	0.00000E+00			
399		255.10				
413		686.68				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-15526.

USE LOAD STEP 50 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 50 SUBSTEP= 1 CUMULATIVE ITERATION= 50
TIME/FREQUENCY= 50.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 50 SUBSTEP= 1

TIME= 50.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.015	0.00000E+00	0.00000E+00	0.00000E+00	17.890
119	0.00000E+00	1839.2	0.00000E+00	0.00000E+00	0.00000E+00	-14631.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		17.293				
385		19.984	0.00000E+00			
399		180.19				
413		515.01				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-14612.

USE LOAD STEP 51 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 51 SUBSTEP= 1 CUMULATIVE ITERATION= 51
TIME/FREQUENCY= 51.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 51 SUBSTEP= 1

TIME= 51.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	42.509	0.00000E+00	0.00000E+00	0.00000E+00	21.390
119	0.00000E+00	2056.1	0.00000E+00	0.00000E+00	0.00000E+00	-12828.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		17.975				
385		30.342	0.00000E+00			
399		123.71				
413		344.04				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -12806.

USE LOAD STEP 52 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 52 SUBSTEP= 1 CUMULATIVE ITERATION= 52
TIME/FREQUENCY= 52.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 52 SUBSTEP= 1

TIME= 52.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	42.105	0.00000E+00	0.00000E+00	0.00000E+00	23.169
119	0.00000E+00	2234.6	0.00000E+00	0.00000E+00	0.00000E+00	-9820.5
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.414				
385		38.291	0.00000E+00			
399		84.577				
413		196.74				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -9796.5

USE LOAD STEP 53 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 53 SUBSTEP= 1 CUMULATIVE ITERATION= 53
TIME/FREQUENCY= 53.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 53 SUBSTEP= 1

TIME= 53.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.841	0.00000E+00	0.00000E+00	0.00000E+00	23.885
119	0.00000E+00	2353.1	0.00000E+00	0.00000E+00	0.00000E+00	-5300.7
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.654				
385		43.328	0.00000E+00			
399		61.683				
413		96.100				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -5276.1


USE LOAD STEP    54  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    54  SUBSTEP=     1  CUMULATIVE ITERATION=    54
  TIME/FREQUENCY=  54.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    54  SUBSTEP=     1

  TIME=    54.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.700     0.00000E+00 0.00000E+00 0.00000E+00  24.078

   119  0.00000E+00  2398.0     0.00000E+00 0.00000E+00 0.00000E+00 -5.6162

   176  0.00000E+00  41.202     0.00000E+00 0.00000E+00 0.00000E+00 0.49471

   301              7.7411
   305              24.140     0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.763
   385              45.972     0.00000E+00
   399              50.510
   413              40.036
   427              43.833
   441              48.971
   455              46.437     0.00000E+00
   469              22.071
   483              22.172
   497              47.096
   511              42.895
```

523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	18.956

USE LOAD STEP 55 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 55 SUBSTEP= 1 CUMULATIVE ITERATION= 55
TIME/FREQUENCY= 55.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 55 SUBSTEP= 1

TIME= 55.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	2367.4	0.00000E+00	0.00000E+00	0.00000E+00	5308.5
176	0.00000E+00	41.307	0.00000E+00	0.00000E+00	0.00000E+00	-0.14370
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		94.985				
441		54.140				
455		44.540	0.00000E+00			
469		22.057				
483		22.172				

```
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  5332.4


USE LOAD STEP    56  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    56  SUBSTEP=     1  CUMULATIVE ITERATION=    56
  TIME/FREQUENCY=  56.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    56  SUBSTEP=     1

  TIME=    56.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  2265.4      0.00000E+00 0.00000E+00 0.00000E+00  9875.6

   176  0.00000E+00  41.509      0.00000E+00 0.00000E+00 0.00000E+00 -1.1694

   301                7.7411
   305                24.140      0.00000E+00
   317                40.926
   329                42.791
   343                47.350
   357                25.094
   371                18.794
   385                46.909      0.00000E+00
   399                46.909
   413                18.794
   427                189.19
   441                65.400
   455                40.868      0.00000E+00
```

469		22.002				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	9898.5

USE LOAD STEP 57 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 57 SUBSTEP= 1 CUMULATIVE ITERATION= 57
TIME/FREQUENCY= 57.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 57 SUBSTEP= 1

TIME= 57.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	2108.1	0.00000E+00	0.00000E+00	0.00000E+00	12911.
176	0.00000E+00	41.831	0.00000E+00	0.00000E+00	0.00000E+00	-2.4327
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		331.81				

441		85.808				
455		34.965	0.00000E+00			
469		21.862				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	12932.

USE LOAD STEP 58 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 58 SUBSTEP= 1 CUMULATIVE ITERATION= 58
TIME/FREQUENCY= 58.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 58 SUBSTEP= 1

TIME= 58.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	1909.7	0.00000E+00	0.00000E+00	0.00000E+00	14665.
176	0.00000E+00	42.255	0.00000E+00	0.00000E+00	0.00000E+00	-3.4312
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				

413		18.794				
427		506.64				
441		117.21				
455		27.072	0.00000E+00			
469		21.581				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	14686.

USE LOAD STEP 59 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 59 SUBSTEP= 1 CUMULATIVE ITERATION= 59
TIME/FREQUENCY= 59.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 59 SUBSTEP= 1

TIME= 59.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	1684.2	0.00000E+00	0.00000E+00	0.00000E+00	15390.
176	0.00000E+00	42.766	0.00000E+00	0.00000E+00	0.00000E+00	-3.6630
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				

385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		697.49				
441		161.45				
455		17.435	0.00000E+00			
469		21.106				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	15410.

USE LOAD STEP 60 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 60 SUBSTEP= 1 CUMULATIVE ITERATION= 60
TIME/FREQUENCY= 60.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 60 SUBSTEP= 1

TIME= 60.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	1445.8	0.00000E+00	0.00000E+00	0.00000E+00	15336.
176	0.00000E+00	43.346	0.00000E+00	0.00000E+00	0.00000E+00	-2.6258
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

357	25.094					
371	18.794					
385	46.909	0.00000E+00				
399	46.909					
413	18.794					
427	888.18					
441	220.38					
455	6.2951	0.00000E+00				
469	20.382					
483	22.172					
497	47.096					
511	42.895					
523	40.924					
535	24.136	0.00000E+00				
539	7.7416					

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	15357.

USE LOAD STEP 61 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 61 SUBSTEP= 1 CUMULATIVE ITERATION= 61
TIME/FREQUENCY= 61.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 61 SUBSTEP= 1

TIME= 61.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	1208.9	0.00000E+00	0.00000E+00	0.00000E+00	14754.
176	0.00000E+00	43.979	0.00000E+00	0.00000E+00	0.00000E+00	0.18247
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				

329	42.791		
343	47.350		
357	25.094		
371	18.794		
385	46.909	0.00000E+00	
399	46.909		
413	18.794		
427	1062.5		
441	295.83		
455	-6.1037	0.00000E+00	
469	19.354		
483	22.172		
497	47.096		
511	42.895		
523	40.924		
535	24.136	0.00000E+00	
539	7.7416		

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	14779.

USE LOAD STEP 62 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 62 SUBSTEP= 1 CUMULATIVE ITERATION= 62
TIME/FREQUENCY= 62.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 62 SUBSTEP= 1

TIME= 62.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	986.05	0.00000E+00	0.00000E+00	0.00000E+00	13877.
176	0.00000E+00	44.642	0.00000E+00	0.00000E+00	0.00000E+00	5.2594
301		7.7411				

305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1206.0				
441		389.18				
455		-19.423	0.00000E+00			
469		17.973				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	13906.

USE LOAD STEP 63 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 63 SUBSTEP= 1 CUMULATIVE ITERATION= 63
TIME/FREQUENCY= 63.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 63 SUBSTEP= 1

TIME= 63.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	784.85	0.00000E+00	0.00000E+00	0.00000E+00	12852.

176	0.00000E+00	45.294	0.00000E+00	0.00000E+00	0.00000E+00	13.085
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1311.1				
441		499.87				
455		-32.938	0.00000E+00			
469		16.213				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	12889.

USE LOAD STEP 64 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 64 SUBSTEP= 1 CUMULATIVE ITERATION= 64
TIME/FREQUENCY= 64.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 64 SUBSTEP= 1

TIME= 64.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069

```
   119  0.00000E+00  609.98      0.00000E+00 0.00000E+00 0.00000E+00  11791.

   176  0.00000E+00  45.884      0.00000E+00 0.00000E+00 0.00000E+00  24.129

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427               1373.9
   441               626.36
   455               -45.735     0.00000E+00
   469               14.058
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  11840.


EXIT THE ANSYS POST1 DATABASE PROCESSOR


***** ROUTINE COMPLETED *****  CP =       132.740



***** END OF INPUT ENCOUNTERED *****

PURGE ALL SOLUTION AND POST DATA
SAVE ALL MODEL DATA

ALL CURRENT ANSYS DATA WRITTEN TO FILE NAME= file.db
 FOR POSSIBLE RESUME FROM THIS POINT


NUMBER OF WARNING MESSAGES ENCOUNTERED=          0
NUMBER OF ERROR   MESSAGES ENCOUNTERED=          0
```

*** RMIS View/Print Document Cover Sheet ***

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Accession #: D295184267

Document #: SD-SNF-DA-003

Title/Desc:
STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS [SEC 3 OF 6]

Pages: 169

This document was too large to scan as a whole document, therefore it required breaking into smaller sections.

DOCUMENT NUMBER: SD-SNF-DA-003 REV 0

SECTION 3 OF 6

TITLE: STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS

DATE: 11/22/95

ORIGINATOR: KANJILAL SK

CO: KEH

RECIPIENT:

CO:

REFERENCES: EDT-612866

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```
COMPUTER FILE     : NSMR3.IN
OUTPUT FILE       : NS3.OUT
/title,monorail, basin side, load every 6 inches.
!         *** load case 1 to 65 starting from node 129 to 195 *****
et,1,4
et,2,1,
!
r,1,3.61,21.8,1.8,3,1.65,
r,2,.309,
ex,1,29e6
dens,1,.00073386
nuxy,1,.3
!
n,1,,,,
n,2,3,
ngen,8,2,1,2,1,6
n,17,48.25,,,
n,18,51.25,,,
ngen,6,2,17,18,1,6
n,29,84.5,,,
n,30,87.5,,
ngen,97,2,29,30,1,6
n,223,666.75,,,
n,224,669.75,,,
ngen,6,2,223,224,1,6
n,235,703,,
n,236,706,,
ngen,2,2,235,236,1,6
n,239,715,,
n,301,,22,,
n,305,12,22,,
n,317,48.25,22,,
n,329,84.5,22,,
n,343,126.5,22,
n,357,168.5,22,
n,371,210.5,22,,
n,385,252.5,22,,
n,399,294.5,22,,
n,413,336.5,22,,
n,427,378.5,22,,
n,441,420.5,22,,
n,455,462.5,22,,
n,469,504.5,22,,
n,483,546.5,22,,
n,497,588.5,22,,
n,511,630.5,22,,
n,523,666.75,22,,
n,535,703,22,,
n,539,715,22,,
!
```

```
mat,1
type,1
real,1
e,1,2
egen,238,1,-1
mat,1
real,2
type,2
e,1,301
e,5,305
e,17,317
e,29,329
e,43,343
e,57,357
e,71,371
e,85,385
e,99,399
e,113,413
e,127,427
e,141,441
e,155,455
e,169,469
e,183,483
e,197,497
e,211,511
e,223,523
e,235,535
e,239,539
!
d,329,uy,,,511,14,,
d,301,uy
d,305,uy,,,317,12,,
d,523,uy,,,535,12,
d,539,uy
d,305,uz
d,385,uz
d,455,uz
d,535,uz
d,65,all
d,119,all
d,176,all
!
nlist,all
elist,all
dlist,all
finish
!
/solu
antyp,0
stat
```

```
acel,,386.4,,
f,129,fy,-1200,,131,2
lswrite,1
fdele,all
f,130,fy,-1200,,132,2
lswrite,2
fdele,all
f,131,fy,-1200,,133,2
lswrite,3
fdele,all
f,132,fy,-1200,,134,2
lswrite,4
fdele,all
f,133,fy,-1200,,135,2
lswrite,5
fdele,all
f,134,fy,-1200,,136,2
lswrite,6
fdele,all
f,135,fy,-1200,,137,2
lswrite,7
fdele,all
f,136,fy,-1200,,138,2
lswrite,8
fdele,all
f,137,fy,-1200,,139,2
lswrite,9
fdele,all
f,138,fy,-1200,,140,2
lswrite,10
fdele,all
f,139,fy,-1200,,141,2
lswrite,11
fdele,all
f,140,fy,-1200,,142,2
lswrite,12
fdele,all
f,141,fy,-1200,,143,2
lswrite,13
fdele,all
f,142,fy,-1200,,144,2
lswrite,14
fdele,all
f,143,fy,-1200,,145,2
lswrite,15
fdele,all
f,144,fy,-1200,,146,2
lswrite,16
fdele,all
f,145,fy,-1200,,147,2
```

```
lswrite,17
fdele,all
f,146,fy,-1200,,148,2
lswrite,18
fdele,all
f,147,fy,-1200,,149,2
lswrite,19
fdele,all
f,148,fy,-1200,,150,2
lswrite,20
fdele,all
f,149,fy,-1200,,151,2
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f,150,fy,-1200,,152,2
lswrite,22
fdele,all
f,151,fy,-1200,,153,2
lswrite,23
fdele,all
f,152,fy,-1200,,154,2
lswrite,24
fdele,all
f,153,fy,-1200,,155,2
lswrite,25
fdele,all
f,154,fy,-1200,,156,2
lswrite,26
fdele,all
f,155,fy,-1200,,157,2
lswrite,27
fdele,all
f,156,fy,-1200,,158,2
lswrite,28
fdele,all
f,157,fy,-1200,,159,2
lswrite,29
fdele,all
f,158,fy,-1200,,160,2
lswrite,30
fdele,all
f,159,fy,-1200,,161,2
lswrite,31
fdele,all
f,160,fy,-1200,,162,2
lswrite,32
fdele,all
f,161,fy,-1200,,163,2
lswrite,33
fdele,all
```

```
f,162,fy,-1200,,164,2
lswrite,34
fdele,all
f,163,fy,-1200,,165,2
lswrite,35
fdele,all
f,164,fy,-1200,,166,2
lswrite,36
fdele,all
f,165,fy,-1200,,167,2
lswrite,37
fdele,all
f,166,fy,-1200,,168,2
lswrite,38
fdele,all
f,167,fy,-1200,,169,2
lswrite,39
fdele,all
f,168,fy,-1200,,170,2
lswrite,40
fdele,all
f,169,fy,-1200,,171,2
lswrite,41
fdele,all
f,170,fy,-1200,,172,2
lswrite,42
fdele,all
f,171,fy,-1200,,173,2
lswrite,43
fdele,all
f,172,fy,-1200,,174,2
lswrite,44
fdele,all
f,173,fy,-1200,,175,2
lswrite,45
fdele,all
f,174,fy,-1200,,176,2
lswrite,46
fdele,all
f,175,fy,-1200,,177,2
lswrite,47
fdele,all
f,176,fy,-1200,,178,2
lswrite,48
fdele,all
f,177,fy,-1200,,179,2
lswrite,49
fdele,all
f,178,fy,-1200,,180,2
lswrite,50
```

```
fdele,all
f,179,fy,-1200,,181,2
lswrite,51
fdele,all
f,180,fy,-1200,,182,2
lswrite,52
fdele,all
f,181,fy,-1200,,183,2,
lswrite,53
fdele,all
f,182,fy,-1200,,184,2
lswrite,54
fdele,all
f,183,fy,-1200,,185,2
lswrite,55
fdele,all
f,184,fy,-1200,,186,2
lswrite,56
fdele,all
f,185,fy,-1200,,187,2
lswrite,57
fdele,all
f,186,fy,-1200,,188,2
lswrite,58
fdele,all
f,187,fy,-1200,,189,2
lswrite,59
fdele,all
f,188,fy,-1200,,190,2
lswrite,60
fdele,all
f,189,fy,-1200,,191,2
lswrite,61
fdele,all
f,190,fy,-1200,,192,2
lswrite,62
fdele,all
f,191,fy,-1200,,193,2
lswrite,63
fdele,all
f,192,fy,-1200,,194,2
lswrite,64
fdele,all
f,193,fy,-1200,,195,2
lswrite,65
fdele,all
!
lssolve,1,65,1
finish
/post1
```

```
/output,ns3,out
set,1,1
prrsol
set,2,1
prrsol
set,3,1
prrsol
set,4,1
prrsol
set,5,1
prrsol
!
set,6,1
prrsol
set,7,1
prrsol
set,8,1
prrsol
set,9,1
prrsol
set,10,1
prrsol
!
set,11,1
prrsol
set,12,1
prrsol
set,13,1
prrsol
set,14,1
prrsol
set,15,1
prrsol
!
set,16,1
prrsol
set,17,1
prrsol
set,18,1
prrsol
set,19,1
prrsol
set,20,1
prrsol
!
set,21,1
prrsol
set,22,1
prrsol
set,23,1
```

```
prrsol
set,24,1
prrsol
set,25,1
prrsol
!
set,26,1
prrsol
set,27,1
prrsol
set,28,1
prrsol
set,29,1
prrsol
set,30,1
prrsol
!
set,31,1
prrsol
set,32,1
prrsol
set,33,1
prrsol
set,34,1
prrsol
set,35,1
prrsol
!
set,36,1
prrsol
set,37,1
prrsol
set,38,1
prrsol
!
set,39,1
prrsol
set,40,1
prrsol
set,41,1
prrsol
set,42,1
prrsol
set,43,1
prrsol
!
set,44,1
prrsol
set,45,1
prrsol
```

```
set,46,1
prrsol
set,47,1
prrsol
set,48,1
prrsol
!
set,49,1
prrsol
set,50,1
prrsol
set,51,1
prrsol
set,52,1
prrsol
set,53,1
prrsol
!
set,54,1
prrsol
set,55,1
prrsol
set,56,1
prrsol
set,57,1
prrsol
set,58,1
prrsol
set,59,1
prrsol
!
set,60,1
prrsol
set,61,1
prrsol
set,62,1
prrsol
set,63,1
prrsol
set,64,1
prrsol
finish
```

FILE NAME : NS3.OUT Input file : NSMR3.IN

USE LOAD STEP 1 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 1 SUBSTEP= 1 CUMULATIVE ITERATION= 1
TIME/FREQUENCY= 1.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 1 SUBSTEP= 1

TIME= 1.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	460.77	0.00000E+00	0.00000E+00	0.00000E+00	10723.
176	0.00000E+00	46.337	0.00000E+00	0.00000E+00	0.00000E+00	38.844
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1397.1				
441		765.21				
455		-56.514	0.00000E+00			
469		11.516				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 10786.

USE LOAD STEP 2 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 2 SUBSTEP= 1 CUMULATIVE ITERATION= 2
TIME/FREQUENCY= 2.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 2 SUBSTEP= 1

TIME= 2.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	335.20	0.00000E+00	0.00000E+00	0.00000E+00	9655.5
176	0.00000E+00	46.579	0.00000E+00	0.00000E+00	0.00000E+00	57.679
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1385.4				
441		912.49				
455		-63.880	0.00000E+00			
469		8.6000				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	9737.2

USE LOAD STEP 3 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 3 SUBSTEP= 1 CUMULATIVE ITERATION= 3
TIME/FREQUENCY= 3.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 3 SUBSTEP= 1

TIME= 3.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	231.27	0.00000E+00	0.00000E+00	0.00000E+00	8597.9
176	0.00000E+00	46.531	0.00000E+00	0.00000E+00	0.00000E+00	81.081
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1343.5				
441		1064.3				
455		-66.438	0.00000E+00			
469		5.3234				
483		22.172				
497		47.096				
511		42.895				

```
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  8703.0


USE LOAD STEP     4  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     4  SUBSTEP=     1  CUMULATIVE ITERATION=     4
  TIME/FREQUENCY=  4.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     4  SUBSTEP=     1

  TIME=    4.0000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  146.95      0.00000E+00 0.00000E+00 0.00000E+00  7558.9

   176  0.00000E+00  46.115      0.00000E+00 0.00000E+00 0.00000E+00  109.50

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427               1275.8
   441               1216.6
   455              -62.793      0.00000E+00
   469               1.6990
   483               22.172
```

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	7692.4

USE LOAD STEP 5 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 5 SUBSTEP= 1 CUMULATIVE ITERATION= 5
TIME/FREQUENCY= 5.0000

PRINT REACTION SOLUTIONS PER NODE

***** POSTI TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 5 SUBSTEP= 1

TIME= 5.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	80.217	0.00000E+00	0.00000E+00	0.00000E+00	6547.2
176	0.00000E+00	45.256	0.00000E+00	0.00000E+00	0.00000E+00	143.38
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1187.2				
441		1365.6				
455		-51.549	0.00000E+00			

469		-2.2598				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	6714.6

USE LOAD STEP 6 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 6 SUBSTEP= 1 CUMULATIVE ITERATION= 6
TIME/FREQUENCY= 6.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 6 SUBSTEP= 1

TIME= 6.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	29.064	0.00000E+00	0.00000E+00	0.00000E+00	5571.5
176	0.00000E+00	43.876	0.00000E+00	0.00000E+00	0.00000E+00	183.17
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1082.1				

441		1507.3				
455		-31.310	0.00000E+00			
469		-6.5402				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	5778.8

USE LOAD STEP 7 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 7 SUBSTEP= 1 CUMULATIVE ITERATION= 7
TIME/FREQUENCY= 7.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 7 SUBSTEP= 1

TIME= 7.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-8.5303	0.00000E+00	0.00000E+00	0.00000E+00	4640.7
176	0.00000E+00	41.897	0.00000E+00	0.00000E+00	0.00000E+00	229.32
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				

413		18.794				
427		965.15				
441		1637.7				
455		-0.68294	0.00000E+00			
469		-11.129				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	4894.1

USE LOAD STEP 8 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 8 SUBSTEP= 1 CUMULATIVE ITERATION= 8
TIME/FREQUENCY= 8.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 8 SUBSTEP= 1

TIME= 8.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-34.583	0.00000E+00	0.00000E+00	0.00000E+00	3763.4
176	0.00000E+00	39.243	0.00000E+00	0.00000E+00	0.00000E+00	282.28
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				

385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		841.04				
441		1753.0				
455		41.729	0.00000E+00			
469		-16.013				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	4069.8

USE LOAD STEP 9 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 9 SUBSTEP= 1 CUMULATIVE ITERATION= 9
TIME/FREQUENCY= 9.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 9 SUBSTEP= 1

TIME= 9.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-51.112	0.00000E+00	0.00000E+00	0.00000E+00	2948.5
176	0.00000E+00	35.836	0.00000E+00	0.00000E+00	0.00000E+00	342.49
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		714.36				
441		1849.2				
455		97.321	0.00000E+00			
469		-21.179				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3315.0

USE LOAD STEP 10 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 10 SUBSTEP= 1 CUMULATIVE ITERATION= 10
TIME/FREQUENCY= 10.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 10 SUBSTEP= 1

TIME= 10.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-60.134	0.00000E+00	0.00000E+00	0.00000E+00	2204.6
176	0.00000E+00	31.599	0.00000E+00	0.00000E+00	0.00000E+00	410.41
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				

329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		589.72				
441		1922.4				
455		167.49	0.00000E+00			
469		-26.614				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	2639.1

USE LOAD STEP 11 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 11 SUBSTEP= 1 CUMULATIVE ITERATION= 11
TIME/FREQUENCY= 11.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 11 SUBSTEP= 1

TIME= 11.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-63.667	0.00000E+00	0.00000E+00	0.00000E+00	1540.5
176	0.00000E+00	26.455	0.00000E+00	0.00000E+00	0.00000E+00	486.48
301		7.7411				

305	24.140	0.00000E+00				
317	40.926					
329	42.791					
343	47.350					
357	25.094					
371	18.794					
385	46.909	0.00000E+00				
399	46.909					
413	18.794					
427	471.74					
441	1968.6					
455	253.62	0.00000E+00				
469	-32.305					
483	22.172					
497	47.096					
511	42.895					
523	40.924					
535	24.136	0.00000E+00				
539	7.7416					

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	2051.0

USE LOAD STEP 12 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 12 SUBSTEP= 1 CUMULATIVE ITERATION= 12
TIME/FREQUENCY= 12.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 12 SUBSTEP= 1

TIME= 12.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-63.575	0.00000E+00	0.00000E+00	0.00000E+00	963.56

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   176  0.00000E+00  20.356     0.00000E+00 0.00000E+00 0.00000E+00  570.33

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               364.55
   441               1984.5
   455               356.69     0.00000E+00
   469              -38.152
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  1558.0


USE LOAD STEP    13  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    13  SUBSTEP=     1  CUMULATIVE ITERATION=    13
  TIME/FREQUENCY=  13.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    13  SUBSTEP=     1

  TIME=    13.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069
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```
   119  0.00000E+00 -61.106     0.00000E+00 0.00000E+00 0.00000E+00  475.74

   176  0.00000E+00  13.372     0.00000E+00 0.00000E+00 0.00000E+00  658.30

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               270.37
   441               1969.6
   455               475.90     0.00000E+00
   469              -43.705
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  1158.1


USE LOAD STEP    14  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    14  SUBSTEP=     1  CUMULATIVE ITERATION=    14
  TIME/FREQUENCY=  14.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    14  SUBSTEP=     1

  TIME=    14.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ
```

65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-57.200	0.00000E+00	0.00000E+00	0.00000E+00	76.237
176	0.00000E+00	5.6323	0.00000E+00	0.00000E+00	0.00000E+00	745.10
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		190.44				
441		1924.3				
455		609.61	0.00000E+00			
469		-48.340				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	845.41

USE LOAD STEP 15 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 15 SUBSTEP= 1 CUMULATIVE ITERATION= 15
TIME/FREQUENCY= 15.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 15 SUBSTEP= 1

TIME= 15.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-52.184	0.00000E+00	0.00000E+00	0.00000E+00	-241.22
176	0.00000E+00	-2.6167	0.00000E+00	0.00000E+00	0.00000E+00	822.16
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		124.09				
441		1851.8				
455		754.40	0.00000E+00			
469		-51.084				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	605.01

USE LOAD STEP 16 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 16 SUBSTEP= 1 CUMULATIVE ITERATION= 16
TIME/FREQUENCY= 16.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 16 SUBSTEP= 1

TIME= 16.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-46.228	0.00000E+00	0.00000E+00	0.00000E+00	-484.26
176	0.00000E+00	-11.099	0.00000E+00	0.00000E+00	0.00000E+00	880.08
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		70.151				
441		1756.0				
455		906.45	0.00000E+00			
469		-50.877				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	419.89

USE LOAD STEP 17 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 17 SUBSTEP= 1 CUMULATIVE ITERATION= 17
TIME/FREQUENCY= 17.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 17 SUBSTEP= 1

TIME= 17.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-39.505	0.00000E+00	0.00000E+00	0.00000E+00	-660.49
176	0.00000E+00	-19.538	0.00000E+00	0.00000E+00	0.00000E+00	909.47
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		27.471				
441		1640.7				
455		1061.9	0.00000E+00			
469		-46.659				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	273.05

USE LOAD STEP 18 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 18 SUBSTEP= 1 CUMULATIVE ITERATION= 18
TIME/FREQUENCY= 18.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 18 SUBSTEP= 1

TIME= 18.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-32.187	0.00000E+00	0.00000E+00	0.00000E+00	-777.54
176	0.00000E+00	-27.659	0.00000E+00	0.00000E+00	0.00000E+00	900.92
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-5.1121				
441		1509.8				
455		1217.0	0.00000E+00			
469		-37.370				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	147.45

USE LOAD STEP 19 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 19 SUBSTEP= 1 CUMULATIVE ITERATION= 19
TIME/FREQUENCY= 19.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 19 SUBSTEP= 1

TIME= 19.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-24.445	0.00000E+00	0.00000E+00	0.00000E+00	-843.03
176	0.00000E+00	-35.184	0.00000E+00	0.00000E+00	0.00000E+00	845.05
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-28.757				
441		1367.0				
455		1367.8	0.00000E+00			
469		-21.949				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	26.087

USE LOAD STEP 20 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 20 SUBSTEP= 1 CUMULATIVE ITERATION= 20
TIME/FREQUENCY= 20.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 20 SUBSTEP= 1

TIME= 20.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-16.451	0.00000E+00	0.00000E+00	0.00000E+00	-864.59
176	0.00000E+00	-41.838	0.00000E+00	0.00000E+00	0.00000E+00	732.46
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-44.625				
441		1216.1				
455		1510.5	0.00000E+00			
469		0.66438				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-108.06

USE LOAD STEP 21 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 21 SUBSTEP= 1 CUMULATIVE ITERATION= 21

TIME/FREQUENCY= 21.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 21 SUBSTEP= 1

TIME= 21.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-8.3761	0.00000E+00	0.00000E+00	0.00000E+00	-849.84
176	0.00000E+00	-47.345	0.00000E+00	0.00000E+00	0.00000E+00	553.75
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-53.873				
441		1061.1				
455		1641.3	0.00000E+00			
469		31.529				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-272.02

USE LOAD STEP 22 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 22 SUBSTEP= 1 CUMULATIVE ITERATION= 22
TIME/FREQUENCY= 22.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 22 SUBSTEP= 1

TIME= 22.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	-0.39288	0.00000E+00	0.00000E+00	0.00000E+00	-806.39
176	0.00000E+00	-51.429	0.00000E+00	0.00000E+00	0.00000E+00	299.52
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-57.662				
441		905.80				
455		1756.4	0.00000E+00			
469		71.707				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-482.80

USE LOAD STEP 23 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 23 SUBSTEP= 1 CUMULATIVE ITERATION= 23
TIME/FREQUENCY= 23.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 23 SUBSTEP= 1

TIME= 23.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	7.3272	0.00000E+00	0.00000E+00	0.00000E+00	-741.88
176	0.00000E+00	-53.813	0.00000E+00	0.00000E+00	0.00000E+00	-39.609
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-57.151				
441		753.94				
455		1851.9	0.00000E+00			
469		122.26				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-757.42

USE LOAD STEP 24 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 24 SUBSTEP= 1 CUMULATIVE ITERATION= 24
TIME/FREQUENCY= 24.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 24 SUBSTEP= 1

TIME= 24.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	14.613	0.00000E+00	0.00000E+00	0.00000E+00	-663.92
176	0.00000E+00	-54.222	0.00000E+00	0.00000E+00	0.00000E+00	-473.04
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-53.500				
441		609.38				
455		1923.9	0.00000E+00			
469		184.24				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -1112.9

USE LOAD STEP 25 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 25 SUBSTEP= 1 CUMULATIVE ITERATION= 25
TIME/FREQUENCY= 25.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 25 SUBSTEP= 1

TIME= 25.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	21.291	0.00000E+00	0.00000E+00	0.00000E+00	-580.13
176	0.00000E+00	-52.379	0.00000E+00	0.00000E+00	0.00000E+00	-1010.2
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-47.867				
441		475.96				
455		1968.7	0.00000E+00			
469		258.72				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -1566.2

USE LOAD STEP 26 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 26 SUBSTEP= 1 CUMULATIVE ITERATION= 26
TIME/FREQUENCY= 26.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 26 SUBSTEP= 1

TIME= 26.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	27.212	0.00000E+00	0.00000E+00	0.00000E+00	-497.47
176	0.00000E+00	-47.877	0.00000E+00	0.00000E+00	0.00000E+00	-1658.1
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-41.317				
441		357.07				
455		1983.0	0.00000E+00			
469		346.28				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -2131.5


USE LOAD STEP    27  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    27  SUBSTEP=     1  CUMULATIVE ITERATION=    27
  TIME/FREQUENCY=  27.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    27  SUBSTEP=     1

  TIME=    27.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  32.304     0.00000E+00 0.00000E+00 0.00000E+00 -420.15

   176  0.00000E+00 -39.784     0.00000E+00 0.00000E+00 0.00000E+00 -2414.6

   301              7.7411
   305              24.140     0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909     0.00000E+00
   399              46.909
   413              18.794
   427             -34.529
   441              254.36
   455              1966.4     0.00000E+00
   469              445.71
   483              22.172
   497              47.096
   511              42.895
```

```
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -2810.7


USE LOAD STEP     28  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     28  SUBSTEP=      1  CUMULATIVE ITERATION=     28
  TIME/FREQUENCY=  28.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POSTI TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     28  SUBSTEP=      1

  TIME=     28.000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX           FY           FZ           MX           MY           MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  36.538      0.00000E+00 0.00000E+00 0.00000E+00 -351.04

   176  0.00000E+00 -26.904      0.00000E+00 0.00000E+00 0.00000E+00 -3272.8

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427              -27.990
   441               168.61
   455               1919.3      0.00000E+00
   469               554.82
   483               22.172
```

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-3599.8

USE LOAD STEP 29 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 29 SUBSTEP= 1 CUMULATIVE ITERATION= 29
TIME/FREQUENCY= 29.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 29 SUBSTEP= 1

TIME= 29.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	39.964	0.00000E+00	0.00000E+00	0.00000E+00	-290.29
176	0.00000E+00	-7.5166	0.00000E+00	0.00000E+00	0.00000E+00	-4216.6
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-21.804				
441		98.862				
455		1845.3	0.00000E+00			

```
   469                669.63
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -4482.9


USE LOAD STEP    30  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    30  SUBSTEP=     1  CUMULATIVE ITERATION=    30
  TIME/FREQUENCY=  30.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    30  SUBSTEP=     1

  TIME=    30.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  42.655      0.00000E+00 0.00000E+00 0.00000E+00 -237.36

   176  0.00000E+00  20.230      0.00000E+00 0.00000E+00 0.00000E+00 -5227.7

   301                7.7411
   305                24.140      0.00000E+00
   317                40.926
   329                42.791
   343                47.350
   357                25.094
   371                18.794
   385                46.909      0.00000E+00
   399                46.909
   413                18.794
   427               -15.978
```

441		43.707				
455		1748.1	0.00000E+00			
469		785.67				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-5440.9

USE LOAD STEP 31 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 31 SUBSTEP= 1 CUMULATIVE ITERATION= 31
TIME/FREQUENCY= 31.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 31 SUBSTEP= 1

TIME= 31.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	44.682	0.00000E+00	0.00000E+00	0.00000E+00	-191.73
176	0.00000E+00	58.186	0.00000E+00	0.00000E+00	0.00000E+00	-6287.4
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				

413		18.794				
427		-10.519				
441		1.7486				
455		1631.8	0.00000E+00			
469		898.48				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-6455.1

USE LOAD STEP 32 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 32 SUBSTEP= 1 CUMULATIVE ITERATION= 32
TIME/FREQUENCY= 32.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 32 SUBSTEP= 1

TIME= 32.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	46.116	0.00000E+00	0.00000E+00	0.00000E+00	-152.86
176	0.00000E+00	108.21	0.00000E+00	0.00000E+00	0.00000E+00	-7377.5
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				

385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-5.4349				
441		-28.415				
455		1500.3	0.00000E+00			
469		1003.6				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-7506.3

USE LOAD STEP 33 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 33 SUBSTEP= 1 CUMULATIVE ITERATION= 33
TIME/FREQUENCY= 33.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 33 SUBSTEP= 1

TIME= 33.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	47.028	0.00000E+00	0.00000E+00	0.00000E+00	-120.22
176	0.00000E+00	172.14	0.00000E+00	0.00000E+00	0.00000E+00	-8479.4
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		-0.73264				
441		-48.184				
455		1357.6	0.00000E+00			
469		1096.6				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-8575.6

USE LOAD STEP 34 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 34 SUBSTEP= 1 CUMULATIVE ITERATION= 34
TIME/FREQUENCY= 34.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 34 SUBSTEP= 1

TIME= 34.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	47.490	0.00000E+00	0.00000E+00	0.00000E+00	-93.279
176	0.00000E+00	251.84	0.00000E+00	0.00000E+00	0.00000E+00	-9574.8
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				

329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		3.5802				
441		-58.959				
455		1207.5	0.00000E+00			
469		1172.9				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-9644.0

USE LOAD STEP 35 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 35 SUBSTEP= 1 CUMULATIVE ITERATION= 35
TIME/FREQUENCY= 35.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 35 SUBSTEP= 1

TIME= 35.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	47.573	0.00000E+00	0.00000E+00	0.00000E+00	-71.506
176	0.00000E+00	349.15	0.00000E+00	0.00000E+00	0.00000E+00	-10645.
301		7.7411				

```
   305              24.140      0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
   427              7.4962
   441             -62.139
   455              1054.1      0.00000E+00
   469              1228.2
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136      0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -10693.


USE LOAD STEP    36  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    36  SUBSTEP=     1  CUMULATIVE ITERATION=    36
  TIME/FREQUENCY=  36.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    36  SUBSTEP=     1

  TIME=    36.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  47.350      0.00000E+00 0.00000E+00 0.00000E+00 -54.369
```

```
   176  0.00000E+00  465.94     0.00000E+00 0.00000E+00 0.00000E+00 -11672.

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               11.008
   441              -59.126
   455               901.27     0.00000E+00
   469               1258.0
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -11702.


USE LOAD STEP    37  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    37  SUBSTEP=     1  CUMULATIVE ITERATION=    37
  TIME/FREQUENCY=  37.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    37  SUBSTEP=     1

  TIME=    37.000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069
```

```
   119  0.00000E+00  46.890     0.00000E+00 0.00000E+00 0.00000E+00 -41.335

   176  0.00000E+00  604.05     0.00000E+00 0.00000E+00 0.00000E+00 -12637.

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               14.109
   441              -51.320
   455               752.96     0.00000E+00
   469               1257.7
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -12654.


USE LOAD STEP    38  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    38  SUBSTEP=     1  CUMULATIVE ITERATION=    38
  TIME/FREQUENCY=  38.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    38  SUBSTEP=     1

  TIME=    38.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ
```

```
    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  46.267     0.00000E+00 0.00000E+00 0.00000E+00 -31.873

   176  0.00000E+00  765.33     0.00000E+00 0.00000E+00 0.00000E+00 -13522.

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               16.790
   441              -40.120
   455               613.11     0.00000E+00
   469               1223.0
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -13530.


USE LOAD STEP    39  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    39  SUBSTEP=     1  CUMULATIVE ITERATION=    39
  TIME/FREQUENCY=  39.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    39  SUBSTEP=     1

  TIME=    39.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	45.550	0.00000E+00	0.00000E+00	0.00000E+00	-25.451
176	0.00000E+00	951.63	0.00000E+00	0.00000E+00	0.00000E+00	-14308.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		19.046				
441		-26.929				
455		485.68	0.00000E+00			
469		1149.4				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-14309.

USE LOAD STEP 40 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 40 SUBSTEP= 1 CUMULATIVE ITERATION= 40
TIME/FREQUENCY= 40.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 40 SUBSTEP= 1

TIME= 40.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	44.807	0.00000E+00	0.00000E+00	0.00000E+00	-21.543
176	0.00000E+00	1163.2	0.00000E+00	0.00000E+00	0.00000E+00	-14955.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		20.873				
441		-13.058				
455		374.16	0.00000E+00			
469		1034.4				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-14953.

USE LOAD STEP 41 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 41 SUBSTEP= 1 CUMULATIVE ITERATION= 41
TIME/FREQUENCY= 41.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 41 SUBSTEP= 1

TIME= 41.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	44.087	0.00000E+00	0.00000E+00	0.00000E+00	-19.647
176	0.00000E+00	1393.9	0.00000E+00	0.00000E+00	0.00000E+00	-15336.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		22.294				
441		0.52852				
455		280.18	0.00000E+00			
469		883.47				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-15331.

USE LOAD STEP 42 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 42 SUBSTEP= 1 CUMULATIVE ITERATION= 42
TIME/FREQUENCY= 42.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 42 SUBSTEP= 1

TIME= 42.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	43.429	0.00000E+00	0.00000E+00	0.00000E+00	-19.274
176	0.00000E+00	1634.2	0.00000E+00	0.00000E+00	0.00000E+00	-15279.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		23.339				
441		13.040				
455		204.47	0.00000E+00			
469		705.96				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-15274.

USE LOAD STEP 43 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 43 SUBSTEP= 1 CUMULATIVE ITERATION= 43
TIME/FREQUENCY= 43.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 43 SUBSTEP= 1

TIME= 43.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	42.855	0.00000E+00	0.00000E+00	0.00000E+00	-19.958
176	0.00000E+00	1868.3	0.00000E+00	0.00000E+00	0.00000E+00	-14526.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.065				
441		24.038				
455		145.91	0.00000E+00			
469		519.20				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-14521.

USE LOAD STEP 44 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 44 SUBSTEP= 1 CUMULATIVE ITERATION= 44
TIME/FREQUENCY= 44.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 44 SUBSTEP= 1

TIME= 44.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	42.381	0.00000E+00	0.00000E+00	0.00000E+00	-21.239
176	0.00000E+00	2078.9	0.00000E+00	0.00000E+00	0.00000E+00	-12796.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.531				
441		33.167				
455		102.94	0.00000E+00			
469		342.50				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-12794.

USE LOAD STEP 45 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 45 SUBSTEP= 1 CUMULATIVE ITERATION= 45

TIME/FREQUENCY= 45.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 45 SUBSTEP= 1

TIME= 45.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	42.024	0.00000E+00	0.00000E+00	0.00000E+00	-22.658
176	0.00000E+00	2248.4	0.00000E+00	0.00000E+00	0.00000E+00	-9811.1
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.798				
441		40.074				
455		73.966	0.00000E+00			
469		195.15				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-9809.6

USE LOAD STEP 46 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 46 SUBSTEP= 1 CUMULATIVE ITERATION= 46
TIME/FREQUENCY= 46.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 46 SUBSTEP= 1

TIME= 46.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.801	0.00000E+00	0.00000E+00	0.00000E+00	-23.755
176	0.00000E+00	2359.4	0.00000E+00	0.00000E+00	0.00000E+00	-5289.3
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.925				
441		44.407				
455		57.424	0.00000E+00			
469		96.447				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-5288.9

USE LOAD STEP 47 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 47 SUBSTEP= 1 CUMULATIVE ITERATION= 47
TIME/FREQUENCY= 47.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 47 SUBSTEP= 1

TIME= 47.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.685	0.00000E+00	0.00000E+00	0.00000E+00	-24.418
176	0.00000E+00	2397.4	0.00000E+00	0.00000E+00	0.00000E+00	0.76402
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.974				
441		46.662				
455		49.547	0.00000E+00			
469		42.272				
483		42.375				
497		49.546				
511		42.107				
523		40.928				
535		24.164	0.00000E+00			
539		7.7392				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	0.41528

USE LOAD STEP 48 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 48 SUBSTEP= 1 CUMULATIVE ITERATION= 48
TIME/FREQUENCY= 48.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	2359.4	0.00000E+00	0.00000E+00	0.00000E+00	5290.8
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		96.550				
497		57.418				
511		39.865				
523		40.913				
535		24.242	0.00000E+00			
539		7.7342				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 5290.2

USE LOAD STEP 49 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 49 SUBSTEP= 1 CUMULATIVE ITERATION= 49
TIME/FREQUENCY= 49.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 49 SUBSTEP= 1

TIME= 49.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	2248.4	0.00000E+00	0.00000E+00	0.00000E+00	9812.6
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		195.25				
497		73.949				
511		35.563				
523		40.844				
535		24.393	0.00000E+00			
539		7.7275				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 9812.0

USE LOAD STEP 50 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 50 SUBSTEP= 1 CUMULATIVE ITERATION= 50
TIME/FREQUENCY= 50.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 50 SUBSTEP= 1

TIME= 50.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	2078.9	0.00000E+00	0.00000E+00	0.00000E+00	12798.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		342.60				
497		102.90				
511		28.713				
523		40.656				
535		24.635	0.00000E+00			

```
   539              7.7221

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  12797.


USE LOAD STEP    51  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    51  SUBSTEP=     1  CUMULATIVE ITERATION=    51
  TIME/FREQUENCY=  51.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    51  SUBSTEP=     1

  TIME=    51.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  1868.3     0.00000E+00 0.00000E+00 0.00000E+00  14527.

   301              7.7411
   305              24.140     0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909     0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096     0.00000E+00
   469              22.070
   483              519.30
   497              145.85
   511              19.680
```

523		40.272				
535		24.955	0.00000E+00			
539		7.7246				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	14526.

USE LOAD STEP 52 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 52 SUBSTEP= 1 CUMULATIVE ITERATION= 52
TIME/FREQUENCY= 52.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 52 SUBSTEP= 1

TIME= 52.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	1634.2	0.00000E+00	0.00000E+00	0.00000E+00	15280.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		706.06				

497		204.37				
511		8.8253				
523		39.609				
535		25.341	0.00000E+00			
539		7.7413				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	15279.

USE LOAD STEP 53 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 53 SUBSTEP= 1 CUMULATIVE ITERATION= 53
TIME/FREQUENCY= 53.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 53 SUBSTEP= 1

TIME= 53.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	1393.9	0.00000E+00	0.00000E+00	0.00000E+00	15337.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			

469		22.070			
483		883.57			
497		280.04			
511		-3.4888			
523		38.588			
535		25.781	0.00000E+00		
539		7.7789			

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	15336.

USE LOAD STEP 54 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 54 SUBSTEP= 1 CUMULATIVE ITERATION= 54
TIME/FREQUENCY= 54.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 54 SUBSTEP= 1

TIME= 54.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	1163.2	0.00000E+00	0.00000E+00	0.00000E+00	14957.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				

441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		1034.5				
497		373.97				
511		-16.814				
523		37.135				
535		26.261	0.00000E+00			
539		7.8437				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	14956.

USE LOAD STEP 55 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 55 SUBSTEP= 1 CUMULATIVE ITERATION= 55
TIME/FREQUENCY= 55.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 55 SUBSTEP= 1

TIME= 55.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	951.64	0.00000E+00	0.00000E+00	0.00000E+00	14310.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				

413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		1149.5				
497		485.43				
511		-30.356				
523		35.194				
535		26.753	0.00000E+00			
539		7.9415				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	14309.

USE LOAD STEP 56 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 56 SUBSTEP= 1 CUMULATIVE ITERATION= 56
TIME/FREQUENCY= 56.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 56 SUBSTEP= 1

TIME= 56.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	765.34	0.00000E+00	0.00000E+00	0.00000E+00	13524.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				

385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		1223.1				
497		612.79				
511		-43.151				
523		32.722				
535		27.224	0.00000E+00			
539		8.0780				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	13523.

USE LOAD STEP 57 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 57 SUBSTEP= 1 CUMULATIVE ITERATION= 57
TIME/FREQUENCY= 57.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 57 SUBSTEP= 1

TIME= 57.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	604.07	0.00000E+00	0.00000E+00	0.00000E+00	12639.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		1257.8				
497		752.56				
511		-53.888				
523		29.694				
535		27.628	0.00000E+00			
539		8.2584				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	12638.

USE LOAD STEP 58 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 58 SUBSTEP= 1 CUMULATIVE ITERATION= 58
TIME/FREQUENCY= 58.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 58 SUBSTEP= 1

TIME= 58.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	465.96	0.00000E+00	0.00000E+00	0.00000E+00	11674.
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				

```
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               1258.0
   497               900.80
   511              -61.171
   523               26.092
   535               27.916      0.00000E+00
   539               8.4876

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  11673.


USE LOAD STEP     59  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     59  SUBSTEP=      1  CUMULATIVE ITERATION=     59
  TIME/FREQUENCY=  59.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     59  SUBSTEP=      1

  TIME=     59.000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  349.18      0.00000E+00 0.00000E+00 0.00000E+00  10647.

   301               7.7411
```

```
   305              24.140     0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909     0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096     0.00000E+00
   469              22.070
   483              1228.3
   497              1053.6
   511             -63.604
   523              21.898
   535              28.040     0.00000E+00
   539              8.7707

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  10646.


USE LOAD STEP    60  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    60  SUBSTEP=     1  CUMULATIVE ITERATION=    60
  TIME/FREQUENCY=  60.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    60  SUBSTEP=     1

  TIME=    60.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690
```

```
   176  0.00000E+00  251.87     0.00000E+00 0.00000E+00 0.00000E+00  9576.2

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               1173.0
   497               1206.9
   511              -59.791
   523               17.092
   535               27.952     0.00000E+00
   539               9.1126

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  9575.6


USE LOAD STEP    61  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    61  SUBSTEP=     1  CUMULATIVE ITERATION=    61
  TIME/FREQUENCY=  61.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    61  SUBSTEP=     1

  TIME=    61.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069
```

```
   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  172.17     0.00000E+00 0.00000E+00 0.00000E+00  8480.8

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               1096.6
   497               1356.9
   511              -48.335
   523               11.657
   535               27.601     0.00000E+00
   539               9.5185

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  8480.2


USE LOAD STEP    62  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    62  SUBSTEP=     1  CUMULATIVE ITERATION=    62
  TIME/FREQUENCY=  62.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    62  SUBSTEP=     1

  TIME=    62.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ
```

65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	108.24	0.00000E+00	0.00000E+00	0.00000E+00	7378.8
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		1003.6				
497		1499.6				
511		-27.841				
523		5.5732				
535		26.940	0.00000E+00			
539		9.9932				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	7378.1

USE LOAD STEP 63 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 63 SUBSTEP= 1 CUMULATIVE ITERATION= 63
TIME/FREQUENCY= 63.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 63 SUBSTEP= 1

TIME= 63.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	58.226	0.00000E+00	0.00000E+00	0.00000E+00	6288.6
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		898.49				
497		1631.0				
511		3.0879				
523		-1.1775				
535		25.921	0.00000E+00			
539		10.542				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	6288.0

USE LOAD STEP 64 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 64 SUBSTEP= 1 CUMULATIVE ITERATION= 64
TIME/FREQUENCY= 64.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 64 SUBSTEP= 1

TIME= 64.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	20.270	0.00000E+00	0.00000E+00	0.00000E+00	5228.7
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		785.66				
497		1747.3				
511		45.848				
523		-8.6138				
535		24.493	0.00000E+00			
539		11.170				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	5228.1

EXIT THE ANSYS POST1 DATABASE PROCESSOR

***** ROUTINE COMPLETED ***** CP = 147.730

***** END OF INPUT ENCOUNTERED *****

PURGE ALL SOLUTION AND POST DATA
SAVE ALL MODEL DATA

ALL CURRENT ANSYS DATA WRITTEN TO FILE NAME= file.db
FOR POSSIBLE RESUME FROM THIS POINT

NUMBER OF WARNING MESSAGES ENCOUNTERED= 0
NUMBER OF ERROR MESSAGES ENCOUNTERED= 0

```
COMPUTER FILE     : NSMR4.IN
OUTPUT FILE       : NS4.OUT
/title,monorail, basin side, load every 6 inches.
!         *** load case 1 to 48 starting from node 190 to 239 *****
et,1,4
et,2,1,
!
r,1,3.61,21.8,1.8,3,1.65,
r,2,.309,
ex,1,29e6
dens,1,.00073386
nuxy,1,.3
!
n,1,,,,
n,2,3,
ngen,8,2,1,2,1,6
n,17,48.25,,,
n,18,51.25,,,
ngen,6,2,17,18,1,6
n,29,84.5,,,
n,30,87.5,,
ngen,97,2,29,30,1,6
n,223,666.75,,,
n,224,669.75,,,
ngen,6,2,223,224,1,6
n,235,703,,
n,236,706,,
ngen,2,2,235,236,1,6
n,239,715,,
n,301,,22,,
n,305,12,22,,
n,317,48.25,22,,
n,329,84.5,22,,
n,343,126.5,22,
n,357,168.5,22,
n,371,210.5,22,,
n,385,252.5,22,,
n,399,294.5,22,,
n,413,336.5,22,,
n,427,378.5,22,,
n,441,420.5,22,,
n,455,462.5,22,,
n,469,504.5,22,,
n,483,546.5,22,,
n,497,588.5,22,,
n,511,630.5,22,,
n,523,666.75,22,,
n,535,703,22,,
n,539,715,22,,
!
```

```
mat,1
type,1
real,1
e,1,2
egen,238,1,-1
mat,1
real,2
type,2
e,1,301
e,5,305
e,17,317
e,29,329
e,43,343
e,57,357
e,71,371
e,85,385
e,99,399
e,113,413
e,127,427
e,141,441
e,155,455
e,169,469
e,183,483
e,197,497
e,211,511
e,223,523
e,235,535
e,239,539
!
d,329,uy,,,511,14,,
d,301,uy
d,305,uy,,,317,12,,
d,523,uy,,,535,12,
d,539,uy
d,305,uz
d,385,uz
d,455,uz
d,535,uz
d,65,all
d,119,all
d,176,all
!
nlist,all
elist,all
dlist,all
finish
!
/solu
antyp,0
stat
```

```
acel,,386.4,,
f,190,fy,-1200,,192,2
lswrite,1
fdele,all
f,191,fy,-1200,,193,2
lswrite,2
fdele,all
f,192,fy,-1200,,194,2
lswrite,3
fdele,all
f,193,fy,-1200,,195,2
lswrite,4
fdele,all
f,194,fy,-1200,,196,2
lswrite,5
fdele,all
f,195,fy,-1200,,197,2
lswrite,6
fdele,all
f,196,fy,-1200,,198,2
lswrite,7
fdele,all
f,197,fy,-1200,,199,2
lswrite,8
fdele,all
f,198,fy,-1200,,200,2
lswrite,9
fdele,all
f,199,fy,-1200,,201,2
lswrite,10
fdele,all
f,200,fy,-1200,,202,2
lswrite,11
fdele,all
f,201,fy,-1200,,203,2
lswrite,12
fdele,all
f,202,fy,-1200,,204,2
lswrite,13
fdele,all
f,203,fy,-1200,,205,2
lswrite,14
fdele,all
f,204,fy,-1200,,206,2
lswrite,15
fdele,all
f,205,fy,-1200,,207,2
lswrite,16
fdele,all
f,206,fy,-1200,,208,2
```

```
lswrite,17
fdele,all
f,207,fy,-1200,,209,2
lswrite,18
fdele,all
f,208,fy,-1200,,210,2
lswrite,19
fdele,all
f,209,fy,-1200,,211,2
lswrite,20
fdele,all
f,210,fy,-1200,,212,2
lswrite,21
fdele,all
f,211,fy,-1200,,213,2
lswrite,22
fdele,all
f,212,fy,-1200,,214,2
lswrite,23
fdele,all
f,213,fy,-1200,,215,2
lswrite,24
fdele,all
f,214,fy,-1200,,216,2
lswrite,25
fdele,all
f,215,fy,-1200,,217,2
lswrite,26
fdele,all
f,216,fy,-1200,,218,2
lswrite,27
fdele,all
f,217,fy,-1200,,219,2
lswrite,28
fdele,all
f,218,fy,-1200,,220,2
lswrite,29
fdele,all
f,219,fy,-1200,,221,2
lswrite,30
fdele,all
f,220,fy,-1200,,222,2
lswrite,31
fdele,all
f,221,fy,-1200,,223,2
lswrite,32
fdele,all
f,222,fy,-1200,,224,2
lswrite,33
fdele,all
```

```
f,223,fy,-1200,,225,2
lswrite,34
fdele,all
f,224,fy,-1200,,226,2
lswrite,35
fdele,all
f,225,fy,-1200,,227,2
lswrite,36
fdele,all
f,226,fy,-1200,,228,2
lswrite,37
fdele,all
f,227,fy,-1200,,229,2
lswrite,38
fdele,all
f,228,fy,-1200,,230,2
lswrite,39
fdele,all
f,229,fy,-1200,,231,2
lswrite,40
fdele,all
f,230,fy,-1200,,232,2
lswrite,41
fdele,all
f,231,fy,-1200,,233,2
lswrite,42
fdele,all
f,232,fy,-1200,,234,2
lswrite,43
fdele,all
f,233,fy,-1200,,235,2
lswrite,44
fdele,all
f,234,fy,-1200,,236,2
lswrite,45
fdele,all
f,235,fy,-1200,,237,2
lswrite,46
fdele,all
f,236,fy,-1200,,238,2
lswrite,47
fdele,all
f,237,fy,-1200,,239,2
lswrite,48
fdele,all
!
lssolve,1,48,1
finish
/post1
/output,ns4,out
```

```
set,1,1
prrsol
set,2,1
prrsol
set,3,1
prrsol
set,4,1
prrsol
set,5,1
prrsol
!
set,6,1
prrsol
set,7,1
prrsol
set,8,1
prrsol
set,9,1
prrsol
set,10,1
prrsol
!
set,11,1
prrsol
set,12,1
prrsol
set,13,1
prrsol
set,14,1
prrsol
set,15,1
prrsol
!
set,16,1
prrsol
set,17,1
prrsol
set,18,1
prrsol
set,19,1
prrsol
set,20,1
prrsol
!
set,21,1
prrsol
set,22,1
prrsol
set,23,1
prrsol
```

```
set,24,1
prrsol
set,25,1
prrsol
!
set,26,1
prrsol
set,27,1
prrsol
set,28,1
prrsol
set,29,1
prrsol
set,30,1
prrsol
!
set,31,1
prrsol
set,32,1
prrsol
set,33,1
prrsol
set,34,1
prrsol
set,35,1
prrsol
!
set,36,1
prrsol
set,37,1
prrsol
set,38,1
prrsol
!
set,39,1
prrsol
set,40,1
prrsol
set,41,1
prrsol
set,42,1
prrsol
set,43,1
prrsol
!
set,44,1
prrsol
set,45,1
prrsol
set,46,1
```

```
prrsol
set,47,1
prrsol
set,48,1
prrsol
!
set,49,1
prrsol
set,50,1
prrsol
set,51,1
prrsol
set,52,1
prrsol
set,53,1
prrsol
!
set,54,1
prrsol
set,55,1
prrsol
set,56,1
prrsol
set,57,1
prrsol
set,58,1
prrsol
set,59,1
prrsol
!
set,60,1
prrsol
set,61,1
prrsol
set,62,1
prrsol
set,63,1
prrsol
set,64,1
prrsol
finish
```

FILE NAME : NS4.OUT Input File : NSMR4.IN

USE LOAD STEP 1 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 1 SUBSTEP= 1 CUMULATIVE ITERATION= 1
TIME/FREQUENCY= 1.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 1 SUBSTEP= 1

TIME= 1.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	108.24	0.00000E+00	0.00000E+00	0.00000E+00	7378.8
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		1003.6				
497		1499.6				
511		-27.841				
523		5.5732				
535		26.940	0.00000E+00			
539		9.9932				

TOTAL VALUES
VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 7378.1

USE LOAD STEP 2 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 2 SUBSTEP= 1 CUMULATIVE ITERATION= 2
TIME/FREQUENCY= 2.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 2 SUBSTEP= 1

TIME= 2.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	58.226	0.00000E+00	0.00000E+00	0.00000E+00	6288.6
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		898.49				
497		1631.0				
511		3.0879				
523		-1.1775				

```
   535                25.921      0.00000E+00
   539                10.542

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  6288.0


USE LOAD STEP     3  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     3  SUBSTEP=     1  CUMULATIVE ITERATION=     3
  TIME/FREQUENCY=  3.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     3  SUBSTEP=     1

  TIME=    3.0000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  20.270      0.00000E+00 0.00000E+00 0.00000E+00  5228.7

   301                7.7411
   305                24.140      0.00000E+00
   317                40.926
   329                42.791
   343                47.350
   357                25.094
   371                18.794
   385                46.909      0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                785.66
```

497		1747.3				
511		45.848				
523		-8.6138				
535		24.493	0.00000E+00			
539		11.170				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	5228.1

USE LOAD STEP 4 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 4 SUBSTEP= 1 CUMULATIVE ITERATION= 4
TIME/FREQUENCY= 4.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 4 SUBSTEP= 1

TIME= 4.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-7.4762	0.00000E+00	0.00000E+00	0.00000E+00	4217.6
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				

455		47.096	0.00000E+00			
469		22.070				
483		669.61				
497		1844.4				
511		101.83				
523		-16.754				
535		22.610	0.00000E+00			
539		11.881				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	4217.0

USE LOAD STEP 5 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 5 SUBSTEP= 1 CUMULATIVE ITERATION= 5
TIME/FREQUENCY= 5.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 5 SUBSTEP= 1

TIME= 5.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-26.865	0.00000E+00	0.00000E+00	0.00000E+00	3273.6
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				

413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		554.78				
497		1918.5				
511		172.44				
523		-25.618				
535		20.221	0.00000E+00			
539		12.682				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3273.0

USE LOAD STEP 6 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 6 SUBSTEP= 1 CUMULATIVE ITERATION= 6
TIME/FREQUENCY= 6.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 6 SUBSTEP= 1

TIME= 6.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-39.747	0.00000E+00	0.00000E+00	0.00000E+00	2415.2
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				

371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		445.64				
497		1965.5				
511		259.07				
523		-35.223				
535		17.278	0.00000E+00			
539		13.576				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	2414.6

USE LOAD STEP 7 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 7 SUBSTEP= 1 CUMULATIVE ITERATION= 7
TIME/FREQUENCY= 7.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 7 SUBSTEP= 1

TIME= 7.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-47.844	0.00000E+00	0.00000E+00	0.00000E+00	1658.5
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				

329	42.791					
343	47.350					
357	25.094					
371	18.794					
385	46.909	0.00000E+00				
399	46.909					
413	18.794					
427	24.984					
441	47.453					
455	47.096	0.00000E+00				
469	22.070					
483	346.20					
497	1982.3					
511	362.67					
523	-45.463					
535	13.748	0.00000E+00				
539	14.560					

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	1657.9

USE LOAD STEP 8 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 8 SUBSTEP= 1 CUMULATIVE ITERATION= 8
TIME/FREQUENCY= 8.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 8 SUBSTEP= 1

TIME= 8.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-52.352	0.00000E+00	0.00000E+00	0.00000E+00	1010.4

301	7.7411					
305	24.140	0.00000E+00				
317	40.926					
329	42.791					
343	47.350					
357	25.094					
371	18.794					
385	46.909	0.00000E+00				
399	46.909					
413	18.794					
427	24.984					
441	47.453					
455	47.096	0.00000E+00				
469	22.070					
483	258.61					
497	1968.0					
511	482.37					
523	-55.733					
535	9.6540	0.00000E+00				
539	15.589					

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	1009.8

USE LOAD STEP 9 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 9 SUBSTEP= 1 CUMULATIVE ITERATION= 9
TIME/FREQUENCY= 9.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 9 SUBSTEP= 1

TIME= 9.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069

```
   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00 -54.203     0.00000E+00 0.00000E+00 0.00000E+00  473.09

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               184.11
   497               1923.3
   511               616.42
   523              -65.177
   535               5.0502     0.00000E+00
   539               16.599

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  472.47


USE LOAD STEP    10  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    10  SUBSTEP=     1  CUMULATIVE ITERATION=    10
  TIME/FREQUENCY=  10.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    10  SUBSTEP=     1

  TIME=    10.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-53.805	0.00000E+00	0.00000E+00	0.00000E+00	39.458
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		122.11				
497		1851.5				
511		761.27				
523		-72.440				
535		0.48410E-01	0.00000E+00			
539		17.487				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	38.837

USE LOAD STEP 11 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 11 SUBSTEP= 1 CUMULATIVE ITERATION= 11
TIME/FREQUENCY= 11.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 11 SUBSTEP= 1

TIME= 11.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-51.436	0.00000E+00	0.00000E+00	0.00000E+00	-299.84
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		71.555				
497		1756.2				
511		912.89				
523		-76.044				
535		-5.2246	0.00000E+00			
539		18.141				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-300.46

USE LOAD STEP 12 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 12 SUBSTEP= 1 CUMULATIVE ITERATION= 12
TIME/FREQUENCY= 12.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 12 SUBSTEP= 1

TIME= 12.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-47.372	0.00000E+00	0.00000E+00	0.00000E+00	-554.18
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		31.380				
497		1641.5				
511		1067.3				
523		-74.508				
535		-10.642	0.00000E+00			
539		18.447				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-554.80

USE LOAD STEP 13 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 13 SUBSTEP= 1 CUMULATIVE ITERATION= 13
TIME/FREQUENCY= 13.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 13 SUBSTEP= 1

TIME= 13.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-41.890	0.00000E+00	0.00000E+00	0.00000E+00	-732.95
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		0.53131				
497		1511.2				
511		1220.4				
523		-66.353				
535		-16.078	0.00000E+00			
539		18.294				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-733.57

USE LOAD STEP 14 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 14 SUBSTEP= 1 CUMULATIVE ITERATION= 14
TIME/FREQUENCY= 14.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 14 SUBSTEP= 1

TIME= 14.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-35.267	0.00000E+00	0.00000E+00	0.00000E+00	-845.52
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		-22.048				
497		1369.1				
511		1368.3				
523		-50.099				
535		-21.406	0.00000E+00			
539		17.566				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-846.14

USE LOAD STEP 15 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 15 SUBSTEP= 1 CUMULATIVE ITERATION= 15

TIME/FREQUENCY= 15.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 15 SUBSTEP= 1

TIME= 15.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-27.779	0.00000E+00	0.00000E+00	0.00000E+00	-901.27
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		-37.414				
497		1219.0				
511		1507.0				
523		-24.268				
535		-26.498	0.00000E+00			
539		16.153				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-901.89

USE LOAD STEP 16 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 16 SUBSTEP= 1 CUMULATIVE ITERATION= 16
TIME/FREQUENCY= 16.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 16 SUBSTEP= 1

TIME= 16.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-19.704	0.00000E+00	0.00000E+00	0.00000E+00	-909.59
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		-46.626				
497		1064.8				
511		1632.3				
523		12.622				
535		-31.228	0.00000E+00			
539		13.941				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -910.21

USE LOAD STEP 17 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 17 SUBSTEP= 1 CUMULATIVE ITERATION= 17
TIME/FREQUENCY= 17.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 17 SUBSTEP= 1

TIME= 17.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	-11.318	0.00000E+00	0.00000E+00	0.00000E+00	-879.84
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		-50.739				
497		910.40				
511		1740.4				
523		62.048				
535		-35.470	0.00000E+00			

```
   539              10.818

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -880.46


USE LOAD STEP    18  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    18  SUBSTEP=     1  CUMULATIVE ITERATION=    18
  TIME/FREQUENCY=  18.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    18  SUBSTEP=     1

  TIME=    18.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00 -2.8977     0.00000E+00 0.00000E+00 0.00000E+00 -821.40

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483              -50.811
   497               759.61
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```
   511              1827.2
   523              125.49
   535             -39.097     0.00000E+00
   539              6.6691

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -822.02


USE LOAD STEP    19  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    19  SUBSTEP=     1  CUMULATIVE ITERATION=    19
  TIME/FREQUENCY=  19.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    19  SUBSTEP=     1

  TIME=    19.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  5.2793     0.00000E+00 0.00000E+00 0.00000E+00 -743.66

   301              7.7411
   305              24.140     0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909     0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096     0.00000E+00
```

```
   469              22.070
   483             -47.898
   497              616.28
   511              1888.6
   523              204.43
   535             -41.983     0.00000E+00
   539              1.3833

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -744.28


USE LOAD STEP    20  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    20  SUBSTEP=     1  CUMULATIVE ITERATION=    20
  TIME/FREQUENCY=  20.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    20  SUBSTEP=     1

  TIME=    20.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  12.937     0.00000E+00 0.00000E+00 0.00000E+00 -656.00

   301              7.7411
   305              24.140     0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909     0.00000E+00
   399              46.909
   413              18.794
```

427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		-43.059				
497		484.27				
511		1920.8				
523		300.35				
535		-44.001	0.00000E+00			
539		-5.1530				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-656.62

USE LOAD STEP 21 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 21 SUBSTEP= 1 CUMULATIVE ITERATION= 21
TIME/FREQUENCY= 21.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 21 SUBSTEP= 1

TIME= 21.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	19.827	0.00000E+00	0.00000E+00	0.00000E+00	-566.96
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				

385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		-37.263				
497		366.97				
511		1920.3				
523		414.19				
535		-44.922	0.00000E+00			
539		-13.023				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-567.58

USE LOAD STEP 22 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 22 SUBSTEP= 1 CUMULATIVE ITERATION= 22
TIME/FREQUENCY= 22.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 22 SUBSTEP= 1

TIME= 22.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	25.826	0.00000E+00	0.00000E+00	0.00000E+00	-481.85
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				

```
   343              47.350
   357              25.094
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096      0.00000E+00
   469              22.070
   483             -31.137
   497              265.99
   511              1887.0
   523              544.81
   535             -44.116      0.00000E+00
   539             -22.195

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -482.47


USE LOAD STEP     23  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     23  SUBSTEP=      1  CUMULATIVE ITERATION=     23
  TIME/FREQUENCY=  23.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     23  SUBSTEP=      1

  TIME=     23.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  30.867      0.00000E+00 0.00000E+00 0.00000E+00 -404.32

   301               7.7411
```

```
   305              24.140      0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096      0.00000E+00
   469              22.070
   483             -25.135
   497              182.03
   511              1821.7
   523              689.98
   535             -40.748      0.00000E+00
   539             -32.578

TOTAL VALUES
VALUE   0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00 -404.94


USE LOAD STEP    24  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    24  SUBSTEP=     1  CUMULATIVE ITERATION=    24
  TIME/FREQUENCY=  24.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    24  SUBSTEP=     1

  TIME=    24.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690
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```
   176  0.00000E+00  35.006     0.00000E+00 0.00000E+00 0.00000E+00 -334.75

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483              -19.367
   497               113.97
   511               1728.7
   523               845.39
   535              -33.579     0.00000E+00
   539              -43.965

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -335.37


USE LOAD STEP     25  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     25  SUBSTEP=      1  CUMULATIVE ITERATION=     25
  TIME/FREQUENCY=  25.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     25  SUBSTEP=      1

  TIME=     25.000      LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
```

```
    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  38.327     0.00000E+00 0.00000E+00 0.00000E+00 -272.70

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483              -13.855
   497               60.263
   511               1612.6
   523               1006.2
   535              -21.271     0.00000E+00
   539              -56.120

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00 -273.32


USE LOAD STEP    26  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    26  SUBSTEP=     1  CUMULATIVE ITERATION=    26
  TIME/FREQUENCY=  26.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    26  SUBSTEP=     1

  TIME=    26.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	40.918	0.00000E+00	0.00000E+00	0.00000E+00	-217.74
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		-8.6236				
497		19.353				
511		1478.3				
523		1167.5				
535		-2.4839	0.00000E+00			
539		-68.807				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-218.36

USE LOAD STEP 27 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 27 SUBSTEP= 1 CUMULATIVE ITERATION= 27
TIME/FREQUENCY= 27.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 27 SUBSTEP= 1

TIME= 27.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	42.863	0.00000E+00	0.00000E+00	0.00000E+00	-169.43
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		-3.6951				
497		-10.315				
511		1330.4				
523		1324.5				
535		24.122	0.00000E+00			
539		-81.790				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-170.05

USE LOAD STEP 28 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 28 SUBSTEP= 1 CUMULATIVE ITERATION= 28
TIME/FREQUENCY= 28.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 28 SUBSTEP= 1

TIME= 28.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	44.248	0.00000E+00	0.00000E+00	0.00000E+00	-127.34
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		0.90683				
497		-30.298				
511		1173.8				
523		1472.4				
535		59.886	0.00000E+00			
539		-94.833				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-127.96

USE LOAD STEP 29 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 29 SUBSTEP= 1 CUMULATIVE ITERATION= 29
TIME/FREQUENCY= 29.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 29 SUBSTEP= 1

TIME= 29.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	45.158	0.00000E+00	0.00000E+00	0.00000E+00	-91.039
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		5.1590				
497		-42.152				
511		1013.3				
523		1606.2				
535		106.15	0.00000E+00			
539		-107.70				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-91.660

USE LOAD STEP 30 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 30 SUBSTEP= 1 CUMULATIVE ITERATION= 30
TIME/FREQUENCY= 30.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 30 SUBSTEP= 1

TIME= 30.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	45.679	0.00000E+00	0.00000E+00	0.00000E+00	-60.084
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		9.0383				
497		-47.431				
511		853.53				
523		1721.2				
535		164.25	0.00000E+00			
539		-120.15				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-60.705

USE LOAD STEP 31 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 31 SUBSTEP= 1 CUMULATIVE ITERATION= 31
TIME/FREQUENCY= 31.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 31 SUBSTEP= 1

TIME= 31.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	45.897	0.00000E+00	0.00000E+00	0.00000E+00	-34.044
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		12.521				
497		-47.691				
511		699.35				
523		1812.5				
535		235.52	0.00000E+00			
539		-131.96				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	-34.664

USE LOAD STEP 32 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 32 SUBSTEP= 1 CUMULATIVE ITERATION= 32
TIME/FREQUENCY= 32.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 32 SUBSTEP= 1

TIME= 32.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	45.888	0.00000E+00	0.00000E+00	0.00000E+00	-11.845
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		15.684				
497		-44.224				
511		550.45				
523		1875.7				
535		325.90	0.00000E+00			
539		-143.27				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 -12.466

USE LOAD STEP 33 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 33 SUBSTEP= 1 CUMULATIVE ITERATION= 33
TIME/FREQUENCY= 33.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 33 SUBSTEP= 1

TIME= 33.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	45.749	0.00000E+00	0.00000E+00	0.00000E+00	5.5227
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		18.290				
497		-39.009				
511		422.11				
523		1904.1				
535		427.71	0.00000E+00			

```
   539              -152.77

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  4.9019


USE LOAD STEP    34  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    34  SUBSTEP=     1  CUMULATIVE ITERATION=    34
  TIME/FREQUENCY=  34.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    34  SUBSTEP=     1

  TIME=    34.000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  45.517      0.00000E+00 0.00000E+00 0.00000E+00  19.873

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               20.559
   497              -32.494
```

511		305.63				
523		1898.9				
535		547.89	0.00000E+00			
539		-159.89				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	19.252

USE LOAD STEP 35 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 35 SUBSTEP= 1 CUMULATIVE ITERATION= 35
TIME/FREQUENCY= 35.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 35 SUBSTEP= 1

TIME= 35.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	45.250	0.00000E+00	0.00000E+00	0.00000E+00	30.152
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			

```
   469              22.070
   483              22.285
   497             -25.909
   511              213.11
   523              1858.0
   535              675.29      0.00000E+00
   539             -161.91

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  29.531


USE LOAD STEP    36  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    36  SUBSTEP=     1  CUMULATIVE ITERATION=    36
  TIME/FREQUENCY=  36.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    36  SUBSTEP=     1

  TIME=    36.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  44.954      0.00000E+00 0.00000E+00 0.00000E+00  37.473

   301              7.7411
   305              24.140      0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
```

427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		23.619				
497		-19.216				
511		137.73				
523		1786.7				
535		808.77	0.00000E+00			
539		-156.44				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	36.852

USE LOAD STEP 37 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 37 SUBSTEP= 1 CUMULATIVE ITERATION= 37
TIME/FREQUENCY= 37.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 37 SUBSTEP= 1

TIME= 37.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	44.635	0.00000E+00	0.00000E+00	0.00000E+00	42.144
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				

```
   385                46.909      0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                24.601
   497               -12.474
   511                77.930
   523                1689.1
   535                942.75      0.00000E+00
   539               -140.45

TOTAL VALUES
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  41.523


USE LOAD STEP     38  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     38  SUBSTEP=      1  CUMULATIVE ITERATION=     38
  TIME/FREQUENCY=  38.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     38  SUBSTEP=      1

  TIME=     38.000       LOAD CASE=    0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  44.297      0.00000E+00 0.00000E+00 0.00000E+00  44.472

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
   329               42.791
```

343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		25.267				
497		-5.7381				
511		32.152				
523		1569.4				
535		1071.6	0.00000E+00			
539		-110.87				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	43.851

USE LOAD STEP 39 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 39 SUBSTEP= 1 CUMULATIVE ITERATION= 39
TIME/FREQUENCY= 39.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 39 SUBSTEP= 1

TIME= 39.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	43.947	0.00000E+00	0.00000E+00	0.00000E+00	44.764
301		7.7411				

```
   305              24.140     0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909     0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096     0.00000E+00
   469              22.070
   483              25.656
   497             0.93253
   511             -1.1685
   523              1431.7
   535              1189.7     0.00000E+00
   539             -64.657

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  44.143


USE LOAD STEP    40  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    40  SUBSTEP=     1  CUMULATIVE ITERATION=    40
  TIME/FREQUENCY=  40.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    40  SUBSTEP=     1

  TIME=    40.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690
```

```
   176  0.00000E+00  43.590     0.00000E+00 0.00000E+00 0.00000E+00  43.327

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               25.807
   497               7.4810
   511              -23.593
   523               1280.1
   535               1291.5     0.00000E+00
   539               1.2438

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  42.706


USE LOAD STEP    41  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    41  SUBSTEP=     1  CUMULATIVE ITERATION=    41
  TIME/FREQUENCY=  41.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    41  SUBSTEP=     1

  TIME=    41.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
```

```
    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  43.231     0.00000E+00 0.00000E+00 0.00000E+00  40.469

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               25.758
   497               13.850
   511              -36.684
   523               1118.8
   535               1371.3     0.00000E+00
   539               89.884

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  39.848


USE LOAD STEP    42  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    42  SUBSTEP=     1  CUMULATIVE ITERATION=    42
  TIME/FREQUENCY=  42.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    42  SUBSTEP=     1

  TIME=    42.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	42.877	0.00000E+00	0.00000E+00	0.00000E+00	36.496
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		25.546				
497		19.982				
511		-42.001				
523		951.89				
535		1423.5	0.00000E+00			
539		204.32				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	35.875

USE LOAD STEP 43 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 43 SUBSTEP= 1 CUMULATIVE ITERATION= 43
TIME/FREQUENCY= 43.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 43 SUBSTEP= 1

TIME= 43.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	42.531	0.00000E+00	0.00000E+00	0.00000E+00	31.716
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		25.211				
497		25.819				
511		-41.108				
523		783.48				
535		1442.6	0.00000E+00			
539		347.59				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	31.095

USE LOAD STEP 44 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 44 SUBSTEP= 1 CUMULATIVE ITERATION= 44
TIME/FREQUENCY= 44.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 44 SUBSTEP= 1

TIME= 44.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	42.187	0.00000E+00	0.00000E+00	0.00000E+00	26.202
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		24.769				
497		31.507				
511		-35.129				
523		611.23				
535		1419.3	0.00000E+00			
539		532.29				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	25.581

USE LOAD STEP 45 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 45 SUBSTEP= 1 CUMULATIVE ITERATION= 45
TIME/FREQUENCY= 45.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 45 SUBSTEP= 1

TIME= 45.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.877	0.00000E+00	0.00000E+00	0.00000E+00	20.713
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		24.298				
497		36.577				
511		-26.370				
523		452.24				
535		1354.5	0.00000E+00			
539		743.01				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	20.092

USE LOAD STEP 46 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 46 SUBSTEP= 1 CUMULATIVE ITERATION= 46
TIME/FREQUENCY= 46.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 46 SUBSTEP= 1

TIME= 46.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.573	0.00000E+00	0.00000E+00	0.00000E+00	14.946
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		23.781				
497		41.468				
511		-15.107				
523		294.37				
535		1245.0	0.00000E+00			
539		995.07				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	14.325

USE LOAD STEP 47 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 47 SUBSTEP= 1 CUMULATIVE ITERATION= 47
TIME/FREQUENCY= 47.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 47 SUBSTEP= 1

TIME= 47.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.302	0.00000E+00	0.00000E+00	0.00000E+00	9.4886
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		23.276				
497		45.800				
511		-3.0396				
523		151.24				
535		1100.8	0.00000E+00			
539		1266.8				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	8.8677

USE LOAD STEP 48 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 48 SUBSTEP= 1 CUMULATIVE ITERATION= 48
TIME/FREQUENCY= 48.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				

TOTAL VALUES

VALUE 0.00000E+00 3170.5 0.00000E+00 0.00000E+00 0.00000E+00 3.4803

USE LOAD STEP 49 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 103.540 TIME= 09:20:45
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			

539		1557.6				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 50 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 103.640 TIME= 09:20:48
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				

```
   511              9.7252
   523              13.736
   535              931.36      0.00000E+00
   539              1557.6

TOTAL VALUES
VALUE   0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  3.4803


USE LOAD STEP    51  SUBSTEP     1  FOR LOAD CASE 0

*** ERROR ***                            CP=    103.730   TIME= 09:20:50
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    48  SUBSTEP=     1

  TIME=    48.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.043      0.00000E+00 0.00000E+00 0.00000E+00  4.1012

   301              7.7411
   305              24.140      0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096      0.00000E+00
```

469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 52 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 103.820 TIME= 09:20:53
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				

427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 53 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 103.910 TIME= 09:20:55
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				

385	46.909	0.00000E+00				
399	46.909					
413	18.794					
427	24.984					
441	47.453					
455	47.096	0.00000E+00				
469	22.070					
483	22.767					
497	49.895					
511	9.7252					
523	13.736					
535	931.36	0.00000E+00				
539	1557.6					

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 54 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 104.010 TIME= 09:20:58
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				

343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 55 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 104.100 TIME= 09:21:00
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				

305	24.140	0.00000E+00	
317	40.926		
329	42.791		
343	47.350		
357	25.094		
371	18.794		
385	46.909	0.00000E+00	
399	46.909		
413	18.794		
427	24.984		
441	47.453		
455	47.096	0.00000E+00	
469	22.070		
483	22.767		
497	49.895		
511	9.7252		
523	13.736		
535	931.36	0.00000E+00	
539	1557.6		

TOTAL VALUES

VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 56 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 104.190 TIME= 09:21:03
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690

```
   176  0.00000E+00  41.043     0.00000E+00 0.00000E+00 0.00000E+00  4.1012

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.767
   497               49.895
   511               9.7252
   523               13.736
   535               931.36     0.00000E+00
   539               1557.6

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  3.4803


USE LOAD STEP    57  SUBSTEP     1  FOR LOAD CASE 0

*** ERROR ***                            CP=    104.280   TIME= 09:21:05
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    48  SUBSTEP=     1

  TIME=    48.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
```

```
    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.043     0.00000E+00 0.00000E+00 0.00000E+00  4.1012

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.767
   497               49.895
   511               9.7252
   523               13.736
   535               931.36     0.00000E+00
   539               1557.6

TOTAL VALUES
VALUE   0.00000E+00  3170.5     0.00000E+00 0.00000E+00 0.00000E+00  3.4803


USE LOAD STEP    58  SUBSTEP     1  FOR LOAD CASE 0

*** ERROR ***                            CP=    104.370   TIME= 09:21:08
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    48  SUBSTEP=     1

  TIME=    48.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 59 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 104.460 TIME= 09:21:10
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 60 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 104.550 TIME= 09:21:12
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 61 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 104.650 TIME= 09:21:15
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 62 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 104.760 TIME= 09:21:17
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 63 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 104.850 TIME= 09:21:20
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				
TOTAL VALUES						
VALUE	0.00000E+00	3170.5	0.00000E+00	0.00000E+00	0.00000E+00	3.4803

USE LOAD STEP 64 SUBSTEP 1 FOR LOAD CASE 0

*** ERROR *** CP= 104.940 TIME= 09:21:22
Load set not found on result file.

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.043	0.00000E+00	0.00000E+00	0.00000E+00	4.1012
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.767				
497		49.895				
511		9.7252				
523		13.736				
535		931.36	0.00000E+00			
539		1557.6				

TOTAL VALUES

```
VALUE    0.00000E+00  3170.5      0.00000E+00 0.00000E+00 0.00000E+00  3.4803

EXIT THE ANSYS POST1 DATABASE PROCESSOR

***** ROUTINE COMPLETED *****  CP =       105.040


*** NOTE ***                                CP=    105.050   TIME= 09:21:25
A total of 16 warnings and errors written to file.err.

***** END OF INPUT ENCOUNTERED *****

PURGE ALL SOLUTION AND POST DATA
SAVE ALL MODEL DATA

ALL CURRENT ANSYS DATA WRITTEN TO FILE NAME= file.db
 FOR POSSIBLE RESUME FROM THIS POINT


NUMBER OF WARNING MESSAGES ENCOUNTERED=          0
NUMBER OF ERROR   MESSAGES ENCOUNTERED=         16
```

```
FILE NAME : RNS2.IN   OUTPUT FILE : RNS2.OUT
/title,monorail, basin side, load every 6 inches, two moving loads @ 4 ft.
!         *** load case 1 to 65 starting from node 65 to 131 *****
et,1,4
et,2,1,
!
r,1,3.61,21.8,1.8,3,1.65,
r,2,.309,
ex,1,29e6
dens,1,.00073386
nuxy,1,.3
!
n,1,,,,
n,2,3,
ngen,8,2,1,2,1,6
n,17,48.25,,,
n,18,51.25,,,
ngen,6,2,17,18,1,6
n,29,84.5,,,
n,30,87.5,,
ngen,97,2,29,30,1,6
n,223,666.75,,,
n,224,669.75,,,
ngen,6,2,223,224,1,6
n,235,703,,
n,236,706,,
ngen,2,2,235,236,1,6
n,239,715,,
n,301,,22,,
n,305,12,22,,
n,317,48.25,22,,
n,329,84.5,22,,
n,343,126.5,22,
n,357,168.5,22,
n,371,210.5,22,,
n,385,252.5,22,,
n,399,294.5,22,,
n,413,336.5,22,,
n,427,378.5,22,,
n,441,420.5,22,,
n,455,462.5,22,,
n,469,504.5,22,,
n,483,546.5,22,,
n,497,588.5,22,,
n,511,630.5,22,,
n,523,666.75,22,,
n,535,703,22,,
n,539,715,22,,
```

```
!
mat,1
type,1
real,1
e,1,2
egen,238,1,-1
mat,1
real,2
type,2
e,1,301
e,5,305
e,17,317
e,29,329
e,43,343
e,57,357
e,71,371
e,85,385
e,99,399
e,113,413
e,127,427
e,141,441
e,155,455
e,169,469
e,183,483
e,197,497
e,211,511
e,223,523
e,235,535
e,239,539
!
d,329,uy,,,511,14,,
d,301,uy
d,305,uy,,,317,12,,
d,523,uy,,,535,12,
d,539,uy
d,305,uz
d,385,uz
d,455,uz
d,535,uz
d,65,all
d,119,all
d,176,all
!
nlist,all
elist,all
dlist,all
finish
!
/solu
antyp,0
```

```
stat
acel,,386.4,,
f,65,fy,-1200,,67,2
f,81,fy,-1200,,83,2
lswrite,1
fdele,all
f,66,fy,-1200,,68,2
f,82,fy,-1200,,84,2
lswrite,2
fdele,all
f,67,fy,-1200,,69,2
f,83,fy,-1200,,85,2
lswrite,3
fdele,all
f,68,fy,-1200,,70,2
f,84,fy,-1200,,86,2
lswrite,4
fdele,all
f,69,fy,-1200,,71,2
f,85,fy,-1200,,87,2
lswrite,5
fdele,all
f,70,fy,-1200,,72,2
f,86,fy,-1200,,88,2
lswrite,6
fdele,all
f,71,fy,-1200,,73,2
f,87,fy,-1200,,89,2
lswrite,7
fdele,all
f,72,fy,-1200,,74,2
f,88,fy,-1200,,90,2
lswrite,8
fdele,all
f,73,fy,-1200,,75,2
f,89,fy,-1200,,91,2
lswrite,9
fdele,all
f,74,fy,-1200,,76,2
f,90,fy,-1200,,92,2
lswrite,10
fdele,all
f,75,fy,-1200,,77,2
f,91,fy,-1200,,93,2
lswrite,11
fdele,all
f,76,fy,-1200,,78,2
f,92,fy,-1200,,94,2
lswrite,12
fdele,all
```

```
f,77,fy,-1200,,79,2
f,93,fy,-1200,,95,2
lswrite,13
fdele,all
f,78,fy,-1200,,80,2
f,94,fy,-1200,,96,2
lswrite,14
fdele,all
f,79,fy,-1200,,81,2
f,95,fy,-1200,,97,2
lswrite,15
fdele,all
f,80,fy,-1200,,82,2
f,96,fy,-1200,,98,2
lswrite,16
fdele,all
f,81,fy,-1200,,83,2
f,97,fy,-1200,,99,2
lswrite,17
fdele,all
f,82,fy,-1200,,84,2
f,98,fy,-1200,,100,2
lswrite,18
fdele,all
f,83,fy,-1200,,85,2
f,99,fy,-1200,,101,2
lswrite,19
fdele,all
f,84,fy,-1200,,86,2
f,100,fy,-1200,,102,2
lswrite,20
fdele,all
f,85,fy,-1200,,87,2
f,101,fy,-1200,,103,2
lswrite,21
fdele,all
f,86,fy,-1200,,88,2
f,102,fy,-1200,,104,2
lswrite,22
fdele,all
f,87,fy,-1200,,89,2
f,103,fy,-1200,,105,2
lswrite,23
fdele,all
f,88,fy,-1200,,90,2
f,104,fy,-1200,,106,2
lswrite,24
fdele,all
f,89,fy,-1200,,91,2
f,105,fy,-1200,,107,2
```

```
lswrite,25
fdele,all
f,90,fy,-1200,,92,2
f,106,fy,-1200,,108,2
lswrite,26
fdele,all
f,91,fy,-1200,,93,2
f,107,fy,-1200,,109,2
lswrite,27
fdele,all
f,92,fy,-1200,,94,2
f,108,fy,-1200,,110,2
lswrite,28
fdele,all
f,93,fy,-1200,,95,2
f,109,fy,-1200,,111,2
lswrite,29
fdele,all
f,94,fy,-1200,,96,2
f,110,fy,-1200,,112,2
lswrite,30
fdele,all
f,95,fy,-1200,,97,2
f,111,fy,-1200,,113,2
lswrite,31
fdele,all
f,96,fy,-1200,,98,2
f,112,fy,-1200,,114,2
lswrite,32
fdele,all
f,97,fy,-1200,,99,2
f,113,fy,-1200,,115,2
lswrite,33
fdele,all
f,98,fy,-1200,,100,2
f,114,fy,-1200,,116,2
lswrite,34
fdele,all
f,99,fy,-1200,,101,2
f,115,fy,-1200,,117,2
lswrite,35
fdele,all
f,100,fy,-1200,,102,2
f,116,fy,-1200,,118,2
lswrite,36
fdele,all
f,101,fy,-1200,,103,2
f,117,fy,-1200,,119,2
lswrite,37
fdele,all
```

```
f,102,fy,-1200,,104,2
f,118,fy,-1200,,120,2
lswrite,38
fdele,all
f,103,fy,-1200,,105,2
f,119,fy,-1200,,121,2
lswrite,39
fdele,all
f,104,fy,-1200,,106,2
f,120,fy,-1200,,122,2
lswrite,40
fdele,all
f,105,fy,-1200,,107,2
f,121,fy,-1200,,123,2
lswrite,41
fdele,all
f,106,fy,-1200,,108,2
f,122,fy,-1200,,124,2
lswrite,42
fdele,all
f,107,fy,-1200,,109,2
f,123,fy,-1200,,125,2
lswrite,43
fdele,all
f,108,fy,-1200,,110,2
f,124,fy,-1200,,126,2
lswrite,44
fdele,all
f,109,fy,-1200,,111,2
f,125,fy,-1200,,127,2
lswrite,45
fdele,all
f,110,fy,-1200,,112,2
f,126,fy,-1200,,128,2
lswrite,46
fdele,all
f,111,fy,-1200,,113,2
f,127,fy,-1200,,129,2
lswrite,47
fdele,all
f,112,fy,-1200,,114,2
f,128,fy,-1200,,130,2
lswrite,48
fdele,all
f,113,fy,-1200,,115,2
f,129,fy,-1200,,131,2
lswrite,49
fdele,all
f,114,fy,-1200,,116,2
f,130,fy,-1200,,132,2
```

```
lswrite,50
fdele,all
f,115,fy,-1200,,117,2
f,131,fy,-1200,,133,2
lswrite,51
fdele,all
f,116,fy,-1200,,118,2
f,132,fy,-1200,,134,2
lswrite,52
fdele,all
f,117,fy,-1200,,119,2,
f,133,fy,-1200,,135,2
lswrite,53
fdele,all
f,118,fy,-1200,,120,2
f,134,fy,-1200,,136,2
lswrite,54
fdele,all
f,119,fy,-1200,,121,2
f,135,fy,-1200,,137,2
lswrite,55
fdele,all
f,120,fy,-1200,,122,2
f,136,fy,-1200,,138,2
lswrite,56
fdele,all
f,121,fy,-1200,,123,2
f,137,fy,-1200,,139,2
lswrite,57
fdele,all
f,122,fy,-1200,,124,2
f,138,fy,-1200,,140,2
lswrite,58
fdele,all
f,123,fy,-1200,,125,2
f,139,fy,-1200,,141,2
lswrite,59
fdele,all
f,124,fy,-1200,,126,2
f,140,fy,-1200,,142,2
lswrite,60
fdele,all
f,125,fy,-1200,,127,2
f,141,fy,-1200,,143,2
lswrite,61
fdele,all
f,126,fy,-1200,,128,2
f,142,fy,-1200,,144,2
lswrite,62
fdele,all
```

```
f,127,fy,-1200,,129,2
f,143,fy,-1200,,145,2
lswrite,63
fdele,all
f,128,fy,-1200,,130,2
f,144,fy,-1200,,146,2
lswrite,64
fdele,all
f,129,fy,-1200,,131,2
f,145,fy,-1200,,147,2
lswrite,65
fdele,all
!
lssolve,1,65,1
finish
/post1
/output,rns2,out
set,1,1
prrsol
set,2,1
prrsol
set,3,1
prrsol
set,4,1
prrsol
set,5,1
prrsol
!
set,6,1
prrsol
set,7,1
prrsol
set,8,1
prrsol
set,9,1
prrsol
set,10,1
prrsol
!
set,11,1
prrsol
set,12,1
prrsol
set,13,1
prrsol
set,14,1
prrsol
set,15,1
prrsol
!
```

```
set,16,1
prrsol
set,17,1
prrsol
set,18,1
prrsol
set,19,1
prrsol
set,20,1
prrsol
!
set,21,1
prrsol
set,22,1
prrsol
set,23,1
prrsol
set,24,1
prrsol
set,25,1
prrsol
!
set,26,1
prrsol
set,27,1
prrsol
set,28,1
prrsol
set,29,1
prrsol
set,30,1
prrsol
!
set,31,1
prrsol
set,32,1
prrsol
set,33,1
prrsol
set,34,1
prrsol
set,35,1
prrsol
!
set,36,1
prrsol
set,37,1
prrsol
set,38,1
prrsol
```

```
!
set,39,1
prrsol
set,40,1
prrsol
set,41,1
prrsol
set,42,1
prrsol
set,43,1
prrsol
!
set,44,1
prrsol
set,45,1
prrsol
set,46,1
prrsol
set,47,1
prrsol
set,48,1
prrsol
!
set,49,1
prrsol
set,50,1
prrsol
set,51,1
prrsol
set,52,1
prrsol
set,53,1
prrsol
!
set,54,1
prrsol
set,55,1
prrsol
set,56,1
prrsol
set,57,1
prrsol
set,58,1
prrsol
set,59,1
prrsol
!
set,60,1
prrsol
set,61,1
```

```
prrsol
set,62,1
prrsol
set,63,1
prrsol
set,64,1
prrsol
finish
```

*** RMIS View/Print Document Cover Sheet ***

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Accession #: D295184401

Document #: SD-SNF-DA-003

Title/Desc:
STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS [SEC 4 OF 6]

Pages: 165

This document was too large to scan as a whole document, therefore it required breaking into smaller sections.

DOCUMENT NUMBER: SD-SNF-DA-003 REV 0

SECTION 4 OF 6

TITLE: STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS

DATE: 11/22/95

ORIGINATOR: KANJILAL SK

CO: KEH

RECIPIENT:

CO:

REFERENCES: EDT-612866

COMPUTER FILE: RNS2.OUT Input file : RNS2.IN
***** Two moving bloads @ 4 ft. apart ***********

USE LOAD STEP   1 SUBSTEP   1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=   1 SUBSTEP=   1 CUMULATIVE ITERATION=   1
  TIME/FREQUENCY= 1.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP=   1 SUBSTEP=   1

TIME=   1.0000   LOAD CASE=   0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2372.1	0.00000E+00	0.00000E+00	0.00000E+00	11024.
119	0.00000E+00	31.007	0.00000E+00	0.00000E+00	0.00000E+00	407.97
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		681.65				
385		1851.5	0.00000E+00			
399		98.155				
413		-19.703				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				

```
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00  11433.


USE LOAD STEP     2  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     2  SUBSTEP=     1  CUMULATIVE ITERATION=     2
  TIME/FREQUENCY=  2.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     2  SUBSTEP=     1

  TIME=    2.0000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  2219.7      0.00000E+00 0.00000E+00 0.00000E+00  14368.

   119  0.00000E+00  26.111      0.00000E+00 0.00000E+00 0.00000E+00  483.29

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301                7.7411
   305                24.140      0.00000E+00
   317                40.926
   329                42.791
   343                47.350
   357                25.094
   371                680.72
   385                1950.1      0.00000E+00
   399                162.52
   413               -24.497
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
```

511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	14852.

USE LOAD STEP 3 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 3 SUBSTEP= 1 CUMULATIVE ITERATION= 3
TIME/FREQUENCY= 3.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 3 SUBSTEP= 1

TIME= 3.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2015.2	0.00000E+00	0.00000E+00	0.00000E+00	16289.
119	0.00000E+00	20.336	0.00000E+00	0.00000E+00	0.00000E+00	567.27
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		731.04				
385		2037.8	0.00000E+00			
399		240.03				
413		-29.647				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				

```
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  16857.


USE LOAD STEP     4  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     4  SUBSTEP=     1  CUMULATIVE ITERATION=     4
  TIME/FREQUENCY=  4.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     4  SUBSTEP=     1

  TIME=    4.0000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  1778.4     0.00000E+00 0.00000E+00 0.00000E+00  17124.

   119  0.00000E+00  13.601     0.00000E+00 0.00000E+00 0.00000E+00  659.94

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               813.37
   385               2112.2     0.00000E+00
   399               332.17
   413              -35.101
   427               24.984
   441               47.453
```

455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	17785.

USE LOAD STEP 5 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 5 SUBSTEP= 1 CUMULATIVE ITERATION= 5
TIME/FREQUENCY= 5.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 5 SUBSTEP= 1

TIME= 5.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1529.9	0.00000E+00	0.00000E+00	0.00000E+00	17194.
119	0.00000E+00	5.9918	0.00000E+00	0.00000E+00	0.00000E+00	757.37
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		906.74				
385		2173.9	0.00000E+00			
399		438.66				
413		-40.505				

427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	17952.

USE LOAD STEP 6 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 6 SUBSTEP= 1 CUMULATIVE ITERATION= 6
TIME/FREQUENCY= 6.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 6 SUBSTEP= 1

TIME= 6.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1288.2	0.00000E+00	0.00000E+00	0.00000E+00	16791.
119	0.00000E+00	-2.3248	0.00000E+00	0.00000E+00	0.00000E+00	853.68
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		991.64				
385		2224.1	0.00000E+00			

399		558.40				
413		-45.349				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	17645.

USE LOAD STEP 7 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 7 SUBSTEP= 1 CUMULATIVE ITERATION= 7
TIME/FREQUENCY= 7.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 7 SUBSTEP= 1

TIME= 7.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1064.9	0.00000E+00	0.00000E+00	0.00000E+00	16099.
119	0.00000E+00	-11.030	0.00000E+00	0.00000E+00	0.00000E+00	938.94
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				

371		1055.9				
385		2264.9	0.00000E+00			
399		688.86				
413		-48.797				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	17039.

USE LOAD STEP 8 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 8 SUBSTEP= 1 CUMULATIVE ITERATION= 8
TIME/FREQUENCY= 8.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 8 SUBSTEP= 1

TIME= 8.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	867.42	0.00000E+00	0.00000E+00	0.00000E+00	15255.
119	0.00000E+00	-19.771	0.00000E+00	0.00000E+00	0.00000E+00	1002.2
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				

```
   343               47.350
   357               25.094
   371               1091.3
   385               2298.4      0.00000E+00
   399               827.22
   413              -49.925
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00  16258.


USE LOAD STEP     9  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     9  SUBSTEP=     1  CUMULATIVE ITERATION=     9
  TIME/FREQUENCY=  9.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     9  SUBSTEP=     1

  TIME=    9.0000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  695.86      0.00000E+00 0.00000E+00 0.00000E+00  14299.

   119  0.00000E+00 -28.209      0.00000E+00 0.00000E+00 0.00000E+00  1032.4

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140      0.00000E+00
```

317	40.926					
329	42.791					
343	47.350					
357	25.094					
371	1099.0					
385	2324.8	0.00000E+00				
399	970.95					
413	-47.792					
427	24.984					
441	47.453					
455	47.096	0.00000E+00				
469	22.070					
483	22.172					
497	47.096					
511	42.895					
523	40.924					
535	24.136	0.00000E+00				
539	7.7416					

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	15332.

USE LOAD STEP 10 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 10 SUBSTEP= 1 CUMULATIVE ITERATION= 10
TIME/FREQUENCY= 10.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 10 SUBSTEP= 1

TIME= 10.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	548.26	0.00000E+00	0.00000E+00	0.00000E+00	13252.
119	0.00000E+00	-36.009	0.00000E+00	0.00000E+00	0.00000E+00	1018.4
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330

301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		1082.2				
385		2344.1	0.00000E+00			
399		1117.6				
413		-41.448				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	14271.

USE LOAD STEP 11 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 11 SUBSTEP= 1 CUMULATIVE ITERATION= 11
TIME/FREQUENCY= 11.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 11 SUBSTEP= 1

TIME= 11.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	422.67	0.00000E+00	0.00000E+00	0.00000E+00	12133.
119	0.00000E+00	-42.835	0.00000E+00	0.00000E+00	0.00000E+00	949.16

```
  176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

  301               7.7411
  305               24.140     0.00000E+00
  317               40.926
  329               42.791
  343               47.350
  357               25.094
  371               1044.0
  385               2356.1     0.00000E+00
  399               1264.7
  413              -29.946
  427               24.984
  441               47.453
  455               47.096     0.00000E+00
  469               22.070
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136     0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  13083.


USE LOAD STEP    12  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    12  SUBSTEP=     1  CUMULATIVE ITERATION=    12
  TIME/FREQUENCY=  12.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    12  SUBSTEP=     1

  TIME=    12.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  317.16     0.00000E+00 0.00000E+00 0.00000E+00  10960.
```

```
   119  0.00000E+00 -48.354     0.00000E+00 0.00000E+00 0.00000E+00  813.56

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               987.70
   385               2360.6     0.00000E+00
   399               1409.9
   413              -12.337
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  11775.


USE LOAD STEP    13  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    13  SUBSTEP=     1  CUMULATIVE ITERATION=    13
  TIME/FREQUENCY=  13.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    13  SUBSTEP=     1

  TIME=    13.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ
```

```
   65  0.00000E+00  229.80      0.00000E+00 0.00000E+00 0.00000E+00  9754.1

  119  0.00000E+00 -52.230      0.00000E+00 0.00000E+00 0.00000E+00  600.51

  176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

  301               7.7411
  305               24.140      0.00000E+00
  317               40.926
  329               42.791
  343               47.350
  357               25.094
  371               916.53
  385               2357.6      0.00000E+00
  399               1550.7
  413               12.328
  427               24.984
  441               47.453
  455               47.096      0.00000E+00
  469               22.070
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136      0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00  10355.


USE LOAD STEP    14  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    14  SUBSTEP=     1  CUMULATIVE ITERATION=    14
  TIME/FREQUENCY=  14.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    14  SUBSTEP=     1

  TIME=    14.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	158.65	0.00000E+00	0.00000E+00	0.00000E+00	8533.5
119	0.00000E+00	-54.127	0.00000E+00	0.00000E+00	0.00000E+00	298.91
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		833.69				
385		2347.0	0.00000E+00			
399		1684.5				
413		44.995				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	8833.2

USE LOAD STEP 15 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 15 SUBSTEP= 1 CUMULATIVE ITERATION= 15
TIME/FREQUENCY= 15.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 15 SUBSTEP= 1

TIME= 15.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	101.76	0.00000E+00	0.00000E+00	0.00000E+00	7317.8
119	0.00000E+00	-53.711	0.00000E+00	0.00000E+00	0.00000E+00	-102.33
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		742.43				
385		2328.5	0.00000E+00			
399		1809.1				
413		86.614				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	7216.3

USE LOAD STEP 16 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 16 SUBSTEP= 1 CUMULATIVE ITERATION= 16
TIME/FREQUENCY= 16.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 16 SUBSTEP= 1

TIME= 16.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	57.208	0.00000E+00	0.00000E+00	0.00000E+00	6126.2
119	0.00000E+00	-50.648	0.00000E+00	0.00000E+00	0.00000E+00	-614.31
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		645.96				
385		2302.1	0.00000E+00			
399		1921.9				
413		138.13				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	5512.7

USE LOAD STEP 17 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 17 SUBSTEP= 1 CUMULATIVE ITERATION= 17
TIME/FREQUENCY= 17.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 17 SUBSTEP= 1

TIME= 17.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	23.052	0.00000E+00	0.00000E+00	0.00000E+00	4978.1
119	0.00000E+00	-44.601	0.00000E+00	0.00000E+00	0.00000E+00	-1248.1
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		547.51				
385		2267.7	0.00000E+00			
399		2020.6				
413		200.50				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	3730.7

USE LOAD STEP 18 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 18 SUBSTEP= 1 CUMULATIVE ITERATION= 18
TIME/FREQUENCY= 18.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 18 SUBSTEP= 1

TIME= 18.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-2.6018	0.00000E+00	0.00000E+00	0.00000E+00	3893.6
119	0.00000E+00	-35.145	0.00000E+00	0.00000E+00	0.00000E+00	-2011.4
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		450.38				
385		2224.6	0.00000E+00			
399		2103.2				
413		274.24				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	1883.0

USE LOAD STEP 19 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 19 SUBSTEP= 1 CUMULATIVE ITERATION= 19
TIME/FREQUENCY= 19.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 19 SUBSTEP= 1

TIME= 19.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-21.482	0.00000E+00	0.00000E+00	0.00000E+00	2896.9
119	0.00000E+00	-21.485	0.00000E+00	0.00000E+00	0.00000E+00	-2897.5
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		358.18				
385		2170.7	0.00000E+00			
399		2170.7				
413		358.18				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	0.14243

USE LOAD STEP 20 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 20 SUBSTEP= 1 CUMULATIVE ITERATION= 20

TIME/FREQUENCY= 20.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 20 SUBSTEP= 1

TIME= 20.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-35.142	0.00000E+00	0.00000E+00	0.00000E+00	2010.7
119	0.00000E+00	-2.6048	0.00000E+00	0.00000E+00	0.00000E+00	-3894.2
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		274.24				
385		2103.2	0.00000E+00			
399		2224.6				
413		450.38				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-1882.7

USE LOAD STEP 21 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 21 SUBSTEP= 1 CUMULATIVE ITERATION= 21
TIME/FREQUENCY= 21.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 21 SUBSTEP= 1

TIME= 21.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-44.598	0.00000E+00	0.00000E+00	0.00000E+00	1247.5
119	0.00000E+00	23.049	0.00000E+00	0.00000E+00	0.00000E+00	-4978.7
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		200.50				
385		2020.6	0.00000E+00			
399		2267.7				
413		547.51				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-3730.4

USE LOAD STEP 22 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 22 SUBSTEP= 1 CUMULATIVE ITERATION= 22
TIME/FREQUENCY= 22.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 22 SUBSTEP= 1

TIME= 22.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-50.645	0.00000E+00	0.00000E+00	0.00000E+00	613.69
119	0.00000E+00	57.205	0.00000E+00	0.00000E+00	0.00000E+00	-6126.9
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		138.13				
385		1921.9	0.00000E+00			
399		2302.1				
413		645.96				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-5512.4

USE LOAD STEP 23 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 23 SUBSTEP= 1 CUMULATIVE ITERATION= 23
TIME/FREQUENCY= 23.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 23 SUBSTEP= 1

TIME= 23.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-53.708	0.00000E+00	0.00000E+00	0.00000E+00	101.71
119	0.00000E+00	101.76	0.00000E+00	0.00000E+00	0.00000E+00	-7318.4
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		86.614				
385		1809.1	0.00000E+00			
399		2328.5				
413		742.43				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

```
VALUE    0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -7216.0


USE LOAD STEP    24  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    24  SUBSTEP=     1  CUMULATIVE ITERATION=    24
  TIME/FREQUENCY=  24.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    24  SUBSTEP=     1

  TIME=    24.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -54.124     0.00000E+00 0.00000E+00 0.00000E+00 -299.53

   119  0.00000E+00  158.64     0.00000E+00 0.00000E+00 0.00000E+00 -8534.1

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               44.995
   385               1684.5     0.00000E+00
   399               2347.0
   413               833.69
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416
```

TOTAL VALUES
VALUE 0.00000E+00 5570.5 0.00000E+00 0.00000E+00 0.00000E+00 -8832.9

USE LOAD STEP 25 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 25 SUBSTEP= 1 CUMULATIVE ITERATION= 25
TIME/FREQUENCY= 25.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 25 SUBSTEP= 1

TIME= 25.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-52.226	0.00000E+00	0.00000E+00	0.00000E+00	-601.13
119	0.00000E+00	229.80	0.00000E+00	0.00000E+00	0.00000E+00	-9754.7
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		12.328				
385		1550.7	0.00000E+00			
399		2357.6				
413		916.53				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -10355.


USE LOAD STEP    26  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    26  SUBSTEP=     1  CUMULATIVE ITERATION=    26
  TIME/FREQUENCY=  26.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    26  SUBSTEP=     1

  TIME=    26.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -48.351     0.00000E+00 0.00000E+00 0.00000E+00 -814.19

   119  0.00000E+00  317.16     0.00000E+00 0.00000E+00 0.00000E+00 -10961.

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -12.337
   385               1409.9     0.00000E+00
   399               2360.6
   413               987.70
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
```

```
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -11774.


USE LOAD STEP    27  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    27  SUBSTEP=     1  CUMULATIVE ITERATION=    27
  TIME/FREQUENCY=  27.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    27  SUBSTEP=     1

  TIME=    27.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -42.832     0.00000E+00 0.00000E+00 0.00000E+00 -949.79

   119  0.00000E+00  422.67     0.00000E+00 0.00000E+00 0.00000E+00 -12133.

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -29.946
   385               1264.7     0.00000E+00
   399               2356.1
   413               1044.0
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
```

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-13082.

USE LOAD STEP 28 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 28 SUBSTEP= 1 CUMULATIVE ITERATION= 28
TIME/FREQUENCY= 28.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 28 SUBSTEP= 1

TIME= 28.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-36.006	0.00000E+00	0.00000E+00	0.00000E+00	-1019.0
119	0.00000E+00	548.26	0.00000E+00	0.00000E+00	0.00000E+00	-13253.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-41.448				
385		1117.6	0.00000E+00			
399		2344.1				
413		1082.2				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			

```
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -14271.


USE LOAD STEP    29  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    29  SUBSTEP=     1  CUMULATIVE ITERATION=    29
  TIME/FREQUENCY=  29.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    29  SUBSTEP=     1

  TIME=    29.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -28.206      0.00000E+00 0.00000E+00 0.00000E+00 -1033.0

   119  0.00000E+00  695.86      0.00000E+00 0.00000E+00 0.00000E+00 -14300.

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301                7.7411
   305                24.140      0.00000E+00
   317                40.926
   329                42.791
   343                47.350
   357                25.094
   371               -47.792
   385                970.95      0.00000E+00
   399                2324.8
   413                1099.0
   427                24.984
```

```
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -15332.


USE LOAD STEP    30  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    30  SUBSTEP=     1  CUMULATIVE ITERATION=    30
  TIME/FREQUENCY=  30.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    30  SUBSTEP=     1

  TIME=    30.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -19.768     0.00000E+00 0.00000E+00 0.00000E+00 -1002.8

   119  0.00000E+00  867.42     0.00000E+00 0.00000E+00 0.00000E+00 -15255.

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -49.925
   385               827.22      0.00000E+00
   399               2298.4
```

413		1091.3				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-16257.

USE LOAD STEP 31 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 31 SUBSTEP= 1 CUMULATIVE ITERATION= 31
TIME/FREQUENCY= 31.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 31 SUBSTEP= 1

TIME= 31.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-11.027	0.00000E+00	0.00000E+00	0.00000E+00	-939.56
119	0.00000E+00	1064.9	0.00000E+00	0.00000E+00	0.00000E+00	-16100.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-48.797				

385		688.86	0.00000E+00			
399		2264.9				
413		1055.9				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-17039.

USE LOAD STEP 32 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 32 SUBSTEP= 1 CUMULATIVE ITERATION= 32
TIME/FREQUENCY= 32.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 32 SUBSTEP= 1

TIME= 32.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-2.3218	0.00000E+00	0.00000E+00	0.00000E+00	-854.30
119	0.00000E+00	1288.2	0.00000E+00	0.00000E+00	0.00000E+00	-16792.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

```
   357                25.094
   371               -45.349
   385                558.40      0.00000E+00
   399                2224.1
   413                991.64
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -17645.


USE LOAD STEP    33  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    33  SUBSTEP=     1  CUMULATIVE ITERATION=    33
  TIME/FREQUENCY=  33.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    33  SUBSTEP=     1

  TIME=    33.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  5.9948      0.00000E+00 0.00000E+00 0.00000E+00 -757.99

   119  0.00000E+00  1529.9      0.00000E+00 0.00000E+00 0.00000E+00 -17195.

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
```

329		42.791				
343		47.350				
357		25.094				
371		-40.505				
385		438.66	0.00000E+00			
399		2173.9				
413		906.74				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-17952.

USE LOAD STEP 34 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 34 SUBSTEP= 1 CUMULATIVE ITERATION= 34
TIME/FREQUENCY= 34.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 34 SUBSTEP= 1

TIME= 34.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	13.604	0.00000E+00	0.00000E+00	0.00000E+00	-660.56
119	0.00000E+00	1778.4	0.00000E+00	0.00000E+00	0.00000E+00	-17125.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				

305	24.140	0.00000E+00	
317	40.926		
329	42.791		
343	47.350		
357	25.094		
371	-35.101		
385	332.17	0.00000E+00	
399	2112.2		
413	813.37		
427	24.984		
441	47.453		
455	47.096	0.00000E+00	
469	22.070		
483	22.172		
497	47.096		
511	42.895		
523	40.924		
535	24.136	0.00000E+00	
539	7.7416		

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-17784.

USE LOAD STEP 35 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 35 SUBSTEP= 1 CUMULATIVE ITERATION= 35
TIME/FREQUENCY= 35.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 35 SUBSTEP= 1

TIME= 35.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	20.339	0.00000E+00	0.00000E+00	0.00000E+00	-567.89
119	0.00000E+00	2015.2	0.00000E+00	0.00000E+00	0.00000E+00	-16290.

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               -29.647
   385               240.03     0.00000E+00
   399               2037.8
   413               731.04
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -16857.


USE LOAD STEP    36  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    36  SUBSTEP=     1  CUMULATIVE ITERATION=    36
  TIME/FREQUENCY=  36.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    36  SUBSTEP=     1

  TIME=    36.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  26.114     0.00000E+00 0.00000E+00 0.00000E+00 -483.91
```

```
  119  0.00000E+00  2219.7     0.00000E+00 0.00000E+00 0.00000E+00 -14368.

  176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

  301               7.7411
  305               24.140     0.00000E+00
  317               40.926
  329               42.791
  343               47.350
  357               25.094
  371              -24.497
  385               162.52     0.00000E+00
  399               1950.1
  413               680.72
  427               24.984
  441               47.453
  455               47.096     0.00000E+00
  469               22.070
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136     0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -14852.


USE LOAD STEP    37  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    37  SUBSTEP=     1  CUMULATIVE ITERATION=    37
  TIME/FREQUENCY=  37.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    37  SUBSTEP=     1

  TIME=    37.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
```

```
   65  0.00000E+00  31.010     0.00000E+00 0.00000E+00 0.00000E+00 -408.59

  119  0.00000E+00  2372.1     0.00000E+00 0.00000E+00 0.00000E+00 -11025.

  176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

  301               7.7411
  305               24.140     0.00000E+00
  317               40.926
  329               42.791
  343               47.350
  357               25.094
  371              -19.703
  385               98.155     0.00000E+00
  399               1851.5
  413               681.65
  427               24.984
  441               47.453
  455               47.096     0.00000E+00
  469               22.070
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136     0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -11433.


USE LOAD STEP    38  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    38  SUBSTEP=     1  CUMULATIVE ITERATION=    38
  TIME/FREQUENCY=  38.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    38  SUBSTEP=     1

  TIME=    38.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	35.092	0.00000E+00	0.00000E+00	0.00000E+00	-341.09
119	0.00000E+00	2460.0	0.00000E+00	0.00000E+00	0.00000E+00	-6965.2
176	0.00000E+00	41.202	0.00000E+00	0.00000E+00	0.00000E+00	0.49471
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-15.213				
385		46.045	0.00000E+00			
399		1741.4				
413		727.58				
427		43.833				
441		48.971				
455		46.437	0.00000E+00			
469		22.071				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-7305.8

USE LOAD STEP 39 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 39 SUBSTEP= 1 CUMULATIVE ITERATION= 39
TIME/FREQUENCY= 39.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 39 SUBSTEP= 1

TIME= 39.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	38.411	0.00000E+00	0.00000E+00	0.00000E+00	-280.74
119	0.00000E+00	2483.2	0.00000E+00	0.00000E+00	0.00000E+00	-2915.5
176	0.00000E+00	41.307	0.00000E+00	0.00000E+00	0.00000E+00	-0.14370
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-10.994				
385		5.4630	0.00000E+00			
399		1619.7				
413		804.62				
427		94.985				
441		54.140				
455		44.540	0.00000E+00			
469		22.057				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-3196.4

USE LOAD STEP 40 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 40 SUBSTEP= 1 CUMULATIVE ITERATION= 40
TIME/FREQUENCY= 40.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 40 SUBSTEP= 1

TIME= 40.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.014	0.00000E+00	0.00000E+00	0.00000E+00	-227.02
119	0.00000E+00	2447.4	0.00000E+00	0.00000E+00	0.00000E+00	389.09
176	0.00000E+00	41.509	0.00000E+00	0.00000E+00	0.00000E+00	-1.1694
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-7.0162				
385		-24.236	0.00000E+00			
399		1486.4				
413		895.02				
427		189.19				
441		65.400				
455		40.868	0.00000E+00			
469		22.002				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	160.90

USE LOAD STEP 41 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 41 SUBSTEP= 1 CUMULATIVE ITERATION= 41
TIME/FREQUENCY= 41.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 41 SUBSTEP= 1

TIME= 41.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	42.930	0.00000E+00	0.00000E+00	0.00000E+00	-179.61
119	0.00000E+00	2369.9	0.00000E+00	0.00000E+00	0.00000E+00	2194.3
176	0.00000E+00	41.831	0.00000E+00	0.00000E+00	0.00000E+00	-2.4327
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-3.2678				
385		-43.529	0.00000E+00			
399		1341.8				
413		973.39				
427		331.81				
441		85.808				
455		34.965	0.00000E+00			
469		21.862				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	2012.3

USE LOAD STEP 42 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 42 SUBSTEP= 1 CUMULATIVE ITERATION= 42
TIME/FREQUENCY= 42.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 42 SUBSTEP= 1

TIME= 42.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.245	0.00000E+00	0.00000E+00	0.00000E+00	-138.18
119	0.00000E+00	2266.6	0.00000E+00	0.00000E+00	0.00000E+00	2781.9
176	0.00000E+00	42.255	0.00000E+00	0.00000E+00	0.00000E+00	-3.4312
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		0.23336				
385		-53.829	0.00000E+00			
399		1189.9				
413		1035.6				
427		506.64				
441		117.21				
455		27.072	0.00000E+00			
469		21.581				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	2640.3

USE LOAD STEP 43 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 43 SUBSTEP= 1 CUMULATIVE ITERATION= 43
TIME/FREQUENCY= 43.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 43 SUBSTEP= 1

TIME= 43.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.042	0.00000E+00	0.00000E+00	0.00000E+00	-102.40
119	0.00000E+00	2153.1	0.00000E+00	0.00000E+00	0.00000E+00	2433.8
176	0.00000E+00	42.766	0.00000E+00	0.00000E+00	0.00000E+00	-3.6630
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		3.4690				
385		-56.550	0.00000E+00			
399		1034.8				
413		1077.4				
427		697.49				
441		161.45				
455		17.435	0.00000E+00			
469		21.106				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	2327.8

USE LOAD STEP 44 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 44 SUBSTEP= 1 CUMULATIVE ITERATION= 44

TIME/FREQUENCY= 44.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 44 SUBSTEP= 1

TIME= 44.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.403	0.00000E+00	0.00000E+00	0.00000E+00	-71.948
119	0.00000E+00	2045.0	0.00000E+00	0.00000E+00	0.00000E+00	1431.9
176	0.00000E+00	43.346	0.00000E+00	0.00000E+00	0.00000E+00	-2.6258
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		6.4208				
385		-53.106	0.00000E+00			
399		880.37				
413		1094.8				
427		888.18				
441		220.38				
455		6.2951	0.00000E+00			
469		20.382				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	1357.3

USE LOAD STEP 45 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 45 SUBSTEP= 1 CUMULATIVE ITERATION= 45
TIME/FREQUENCY= 45.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 45 SUBSTEP= 1

TIME= 45.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.413	0.00000E+00	0.00000E+00	0.00000E+00	-46.501
119	0.00000E+00	1958.2	0.00000E+00	0.00000E+00	0.00000E+00	57.806
176	0.00000E+00	43.979	0.00000E+00	0.00000E+00	0.00000E+00	0.18247
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		9.0705				
385		-44.911	0.00000E+00			
399		730.66				
413		1083.5				
427		1062.5				
441		295.83				
455		-6.1037	0.00000E+00			
469		19.354				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	11.488

USE LOAD STEP 46 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 46 SUBSTEP= 1 CUMULATIVE ITERATION= 46
TIME/FREQUENCY= 46.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 46 SUBSTEP= 1

TIME= 46.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.156	0.00000E+00	0.00000E+00	0.00000E+00	-25.729
119	0.00000E+00	1907.0	0.00000E+00	0.00000E+00	0.00000E+00	-1426.7
176	0.00000E+00	44.642	0.00000E+00	0.00000E+00	0.00000E+00	5.2594
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		11.400				
385		-33.378	0.00000E+00			
399		589.63				
413		1039.3				
427		1206.0				
441		389.18				
455		-19.423	0.00000E+00			
469		17.973				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-1447.1

USE LOAD STEP 47 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 47 SUBSTEP= 1 CUMULATIVE ITERATION= 47
TIME/FREQUENCY= 47.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 47 SUBSTEP= 1

TIME= 47.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.714	0.00000E+00	0.00000E+00	0.00000E+00	-9.3083
119	0.00000E+00	1900.2	0.00000E+00	0.00000E+00	0.00000E+00	-2840.7
176	0.00000E+00	45.294	0.00000E+00	0.00000E+00	0.00000E+00	13.085
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		13.391				
385		-19.921	0.00000E+00			
399		461.27				
413		958.26				
427		1311.1				
441		499.87				
455		-32.938	0.00000E+00			
469		16.213				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

```
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -2836.9


USE LOAD STEP    48  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    48  SUBSTEP=     1  CUMULATIVE ITERATION=    48
  TIME/FREQUENCY=  48.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    48  SUBSTEP=     1

  TIME=    48.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  44.167     0.00000E+00 0.00000E+00 0.00000E+00  3.1162

   119  0.00000E+00  1942.3     0.00000E+00 0.00000E+00 0.00000E+00 -4020.7

   176  0.00000E+00  45.884     0.00000E+00 0.00000E+00 0.00000E+00  24.129

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               15.030
   385              -5.8776     0.00000E+00
   399               349.14
   413               838.32
   427               1373.9
   441               626.36
   455              -45.735     0.00000E+00
   469               14.058
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416
```

TOTAL VALUES
VALUE 0.00000E+00 5570.5 0.00000E+00 0.00000E+00 0.00000E+00 -3993.4

USE LOAD STEP 49 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 49 SUBSTEP= 1 CUMULATIVE ITERATION= 49
TIME/FREQUENCY= 49.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 49 SUBSTEP= 1

TIME= 49.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.582	0.00000E+00	0.00000E+00	0.00000E+00	12.009
119	0.00000E+00	2024.4	0.00000E+00	0.00000E+00	0.00000E+00	-4791.2
176	0.00000E+00	46.337	0.00000E+00	0.00000E+00	0.00000E+00	38.844
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		16.324				
385		7.7179	0.00000E+00			
399		255.10				
413		686.68				
427		1397.1				
441		765.21				
455		-56.514	0.00000E+00			
469		11.516				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-4740.4

USE LOAD STEP 50 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 50 SUBSTEP= 1 CUMULATIVE ITERATION= 50
TIME/FREQUENCY= 50.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 50 SUBSTEP= 1

TIME= 50.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.015	0.00000E+00	0.00000E+00	0.00000E+00	17.890
119	0.00000E+00	2132.8	0.00000E+00	0.00000E+00	0.00000E+00	-4950.7
176	0.00000E+00	46.579	0.00000E+00	0.00000E+00	0.00000E+00	57.679
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		17.293				
385		19.984	0.00000E+00			
399		180.19				
413		515.01				
427		1385.4				
441		912.49				
455		-63.880	0.00000E+00			
469		8.6000				
483		22.172				
497		47.096				
511		42.895				

```
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -4875.2


USE LOAD STEP    51  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    51  SUBSTEP=     1  CUMULATIVE ITERATION=    51
  TIME/FREQUENCY=  51.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    51  SUBSTEP=     1

  TIME=    51.000       LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  42.509      0.00000E+00 0.00000E+00 0.00000E+00  21.390

   119  0.00000E+00  2245.7      0.00000E+00 0.00000E+00 0.00000E+00 -4205.1

   176  0.00000E+00  46.531      0.00000E+00 0.00000E+00 0.00000E+00  81.081

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               17.975
   385               30.342      0.00000E+00
   399               123.71
   413               344.04
   427               1343.5
   441               1064.3
   455              -66.438      0.00000E+00
   469               5.3234
   483               22.172
```

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-4102.6

USE LOAD STEP 52 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 52 SUBSTEP= 1 CUMULATIVE ITERATION= 52
TIME/FREQUENCY= 52.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 52 SUBSTEP= 1

TIME= 52.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	42.105	0.00000E+00	0.00000E+00	0.00000E+00	23.169
119	0.00000E+00	2339.9	0.00000E+00	0.00000E+00	0.00000E+00	-2236.9
176	0.00000E+00	46.115	0.00000E+00	0.00000E+00	0.00000E+00	109.50
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.414				
385		38.291	0.00000E+00			
399		84.577				
413		196.74				
427		1275.8				
441		1216.6				
455		-62.793	0.00000E+00			

469		1.6990				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-2104.2

USE LOAD STEP 53 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 53 SUBSTEP= 1 CUMULATIVE ITERATION= 53
TIME/FREQUENCY= 53.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 53 SUBSTEP= 1

TIME= 53.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.841	0.00000E+00	0.00000E+00	0.00000E+00	23.885
119	0.00000E+00	2391.7	0.00000E+00	0.00000E+00	0.00000E+00	1271.1
176	0.00000E+00	45.256	0.00000E+00	0.00000E+00	0.00000E+00	143.38
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.654				
385		43.328	0.00000E+00			
399		61.683				
413		96.100				
427		1187.2				

441		1365.6				
455		-51.549	0.00000E+00			
469		-2.2598				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	1438.4

USE LOAD STEP 54 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 54 SUBSTEP= 1 CUMULATIVE ITERATION= 54
TIME/FREQUENCY= 54.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 54 SUBSTEP= 1

TIME= 54.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.700	0.00000E+00	0.00000E+00	0.00000E+00	24.078
119	0.00000E+00	2385.4	0.00000E+00	0.00000E+00	0.00000E+00	5590.6
176	0.00000E+00	43.913	0.00000E+00	0.00000E+00	0.00000E+00	182.90
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.763				
385		45.972	0.00000E+00			
399		50.510				

413		40.036				
427		1100.9				
441		1508.8				
455		-31.970	0.00000E+00			
469		-6.5388				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	5797.6

USE LOAD STEP 55 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 55 SUBSTEP= 1 CUMULATIVE ITERATION= 55
TIME/FREQUENCY= 55.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 55 SUBSTEP= 1

TIME= 55.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	2317.2	0.00000E+00	0.00000E+00	0.00000E+00	9973.9
176	0.00000E+00	42.039	0.00000E+00	0.00000E+00	0.00000E+00	228.42
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				

385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1035.2				
441		1644.4				
455		-3.2389	0.00000E+00			
469		-11.141				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	10226.

USE LOAD STEP 56 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 56 SUBSTEP= 1 CUMULATIVE ITERATION= 56
TIME/FREQUENCY= 56.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 56 SUBSTEP= 1

TIME= 56.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	2189.2	0.00000E+00	0.00000E+00	0.00000E+00	13664.
176	0.00000E+00	39.587	0.00000E+00	0.00000E+00	0.00000E+00	280.35
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1005.3				
441		1770.9				
455		35.501	0.00000E+00			
469		-16.080				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	13968.

USE LOAD STEP 57 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 57 SUBSTEP= 1 CUMULATIVE ITERATION= 57
TIME/FREQUENCY= 57.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 57 SUBSTEP= 1

TIME= 57.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	2015.4	0.00000E+00	0.00000E+00	0.00000E+00	15884.
176	0.00000E+00	36.501	0.00000E+00	0.00000E+00	0.00000E+00	339.30
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				

329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1021.2				
441		1887.5				
455		85.189	0.00000E+00			
469		-21.387				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	16247.

USE LOAD STEP 58 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 58 SUBSTEP= 1 CUMULATIVE ITERATION= 58
TIME/FREQUENCY= 58.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 58 SUBSTEP= 1

TIME= 58.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	1807.9	0.00000E+00	0.00000E+00	0.00000E+00	16894.
176	0.00000E+00	32.689	0.00000E+00	0.00000E+00	0.00000E+00	406.22
301		7.7411				

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   305              24.140      0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
   427              1071.4
   441              1992.1
   455              147.46      0.00000E+00
   469             -27.102
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136      0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00  17325.


USE LOAD STEP    59  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    59  SUBSTEP=     1  CUMULATIVE ITERATION=    59
  TIME/FREQUENCY=  59.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    59  SUBSTEP=     1

  TIME=    59.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648      0.00000E+00 0.00000E+00 0.00000E+00  24.069

   119  0.00000E+00  1578.8      0.00000E+00 0.00000E+00 0.00000E+00  16955.
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   176  0.00000E+00  28.056     0.00000E+00 0.00000E+00 0.00000E+00  482.05

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               1144.2
   441               2082.6
   455               223.96     0.00000E+00
   469              -33.268
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  17461.


USE LOAD STEP    60  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    60  SUBSTEP=     1  CUMULATIVE ITERATION=    60
  TIME/FREQUENCY=  60.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    60  SUBSTEP=     1

  TIME=    60.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069
```

```
   119  0.00000E+00  1340.6     0.00000E+00 0.00000E+00 0.00000E+00  16324.

   176  0.00000E+00  22.537     0.00000E+00 0.00000E+00 0.00000E+00  566.94

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               1227.7
   441               2157.5
   455               315.89     0.00000E+00
   469              -39.839
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  16915.


USE LOAD STEP    61  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    61  SUBSTEP=     1  CUMULATIVE ITERATION=    61
  TIME/FREQUENCY=  61.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    61  SUBSTEP=     1

  TIME=    61.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
```

65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	1106.1	0.00000E+00	0.00000E+00	0.00000E+00	15255.
176	0.00000E+00	16.186	0.00000E+00	0.00000E+00	0.00000E+00	657.72

301	7.7411	
305	24.140	0.00000E+00
317	40.926	
329	42.791	
343	47.350	
357	25.094	
371	18.794	
385	46.909	0.00000E+00
399	46.909	
413	18.794	
427	1307.9	
441	2218.0	
455	422.70	0.00000E+00
469	-46.420	
483	22.172	
497	47.096	
511	42.895	
523	40.924	
535	24.136	0.00000E+00
539	7.7416	

TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	15937.

USE LOAD STEP 62 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 62 SUBSTEP= 1 CUMULATIVE ITERATION= 62
TIME/FREQUENCY= 62.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 62 SUBSTEP= 1

TIME= 62.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	887.21	0.00000E+00	0.00000E+00	0.00000E+00	13977.
176	0.00000E+00	9.1094	0.00000E+00	0.00000E+00	0.00000E+00	749.60
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1371.4				
441		2266.0				
455		543.09	0.00000E+00			
469		-52.436				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	14751.

USE LOAD STEP 63 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 63 SUBSTEP= 1 CUMULATIVE ITERATION= 63
TIME/FREQUENCY= 63.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 63 SUBSTEP= 1

TIME= 63.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	691.02	0.00000E+00	0.00000E+00	0.00000E+00	12636.
176	0.00000E+00	1.5127	0.00000E+00	0.00000E+00	0.00000E+00	834.48
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1410.2				
441		2304.2				
455		674.37	0.00000E+00			
469		-56.941				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	13494.

USE LOAD STEP 64 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 64 SUBSTEP= 1 CUMULATIVE ITERATION= 64
TIME/FREQUENCY= 64.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 64 SUBSTEP= 1

TIME= 64.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	522.10	0.00000E+00	0.00000E+00	0.00000E+00	11332.
176	0.00000E+00	-6.3804	0.00000E+00	0.00000E+00	0.00000E+00	903.45
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1419.0				
441		2334.9				
455		813.62	0.00000E+00			
469		-58.889				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	12259.

EXIT THE ANSYS POST1 DATABASE PROCESSOR

***** ROUTINE COMPLETED ***** CP = 135.180

***** END OF INPUT ENCOUNTERED *****

PURGE ALL SOLUTION AND POST DATA
SAVE ALL MODEL DATA

```
ALL CURRENT ANSYS DATA WRITTEN TO FILE NAME= file.db
 FOR POSSIBLE RESUME FROM THIS POINT


NUMBER OF WARNING MESSAGES ENCOUNTERED=          0
NUMBER OF ERROR   MESSAGES ENCOUNTERED=          0
```

```
FILE NAME : RNS1.IN
/title,monorail, basin side, load every 6 inches.
! ******* Two hoist moving 4 ft. apart *********
et,1,4
et,2,1,
!
r,1,3.61,21.8,1.8,3,1.65,
r,2,.309,
ex,1,29e6
dens,1,.00073386
nuxy,1,.3
!
n,1,,,,
n,2,3,
ngen,8,2,1,2,1,6
n,17,48.25,,,
n,18,51.25,,,
ngen,6,2,17,18,1,6
n,29,84.5,,,
n,30,87.5,,
ngen,97,2,29,30,1,6
n,223,666.75,,,
n,224,669.75,,,
ngen,6,2,223,224,1,6
n,235,703,,
n,236,706,,
ngen,2,2,235,236,1,6
n,239,715,,
n,301,,22,,
n,305,12,22,,
n,317,48.25,22,,
n,329,84.5,22,,
n,343,126.5,22,
n,357,168.5,22,
n,371,210.5,22,,
n,385,252.5,22,,
n,399,294.5,22,,
n,413,336.5,22,,
n,427,378.5,22,,
n,441,420.5,22,,
n,455,462.5,22,,
n,469,504.5,22,,
n,483,546.5,22,,
n,497,588.5,22,,
n,511,630.5,22,,
n,523,666.75,22,,
n,535,703,22,,
n,539,715,22,,
!
mat,1
```

```
type,1
real,1
e,1,2
egen,238,1,-1
mat,1
real,2
type,2
e,1,301
e,5,305
e,17,317
e,29,329
e,43,343
e,57,357
e,71,371
e,85,385
e,99,399
e,113,413
e,127,427
e,141,441
e,155,455
e,169,469
e,183,483
e,197,497
e,211,511
e,223,523
e,235,535
e,239,539
!
d,329,uy,,,511,14,,
d,301,uy
d,305,uy,,,317,12,,
d,523,uy,,,535,12,
d,539,uy
d,305,uz
d,385,uz
d,455,uz
d,535,uz
d,65,all
d,119,all
d,176,all
!
nlist,all
elist,all
dlist,all
finish
!
/solu
antyp,0
stat
acel,,386.4,,
```

```
f,1,fy,-1200,,3,2
f,17,fy,-1200,,19,2
lswrite,1
fdele,all
f,2,fy,-1200,,4,2
f,18,fy,-1200,,20,2
lswrite,2
fdele,all
f,3,fy,-1200,,5,2
f,19,fy,-1200,,21,2
lswrite,3
fdele,all
f,4,fy,-1200,,6,2
f,20,fy,-1200,,22,2
lswrite,4
fdele,all
f,5,fy,-1200,,7,2
f,21,fy,-1200,,23,2
lswrite,5
fdele,all
f,6,fy,-1200,,8,2
f,22,fy,-1200,,24,2
lswrite,6
fdele,all
f,7,fy,-1200,,9,2
f,23,fy,-1200,,25,2
lswrite,7
fdele,all
f,8,fy,-1200,,10,2
f,24,fy,-1200,,26,2
lswrite,8
fdele,all
f,9,fy,-1200,,11,2
f,25,fy,-1200,,27,2
lswrite,9
fdele,all
f,10,fy,-1200,,12,2
f,26,fy,-1200,,28,2
lswrite,10
fdele,all
f,11,fy,-1200,,13,2
f,27,fy,-1200,,29,2
lswrite,11
fdele,all
f,12,fy,-1200,,14,2
f,28,fy,-1200,,30,2
lswrite,12
fdele,all
f,13,fy,-1200,,15,2
f,29,fy,-1200,,31,2
```

```
lswrite,13
fdele,all
f,14,fy,-1200,,16,2
f,30,fy,-1200,,32,2
lswrite,14
fdele,all
f,15,fy,-1200,,17,2
f,31,fy,-1200,,33,2
lswrite,15
fdele,all
f,16,fy,-1200,,18,2
f,32,fy,-1200,,34,2
lswrite,16
fdele,all
f,17,fy,-1200,,19,2
f,33,fy,-1200,,35,2
fdele,all
f,18,fy,-1200,,20,2
f,34,fy,-1200,,36,2
lswrite,18
fdele,all
f,19,fy,-1200,,21,2
f,35,fy,-1200,,37,2
lswrite,19
fdele,all
f,20,fy,-1200,,22,2
f,36,fy,-1200,,38,2
lswrite,20
fdele,all
f,21,fy,-1200,,23,2
f,37,fy,-1200,,39,2
lswrite,21
fdele,all
f,22,fy,-1200,,24,2
f,38,fy,-1200,,40,2
lswrite,22
fdele,all
f,23,fy,-1200,,25,2
f,39,fy,-1200,,41,2
lswrite,23
fdele,all
f,24,fy,-1200,,26,2
f,40,fy,-1200,,42,2
lswrite,24
fdele,all
f,25,fy,-1200,,27,2
f,41,fy,-1200,,43,2
lswrite,25
fdele,all
f,26,fy,-1200,,28,2
```

```
f,42,fy,-1200,,44,2
lswrite,26
fdele,all
f,27,fy,-1200,,29,2
f,43,fy,-1200,,45,2
lswrite,27
fdele,all
f,28,fy,-1200,,30,2
f,44,fy,-1200,,46,2
lswrite,28
fdele,all
f,29,fy,-1200,,31,2
f,45,fy,-1200,,47,2
lswrite,29
fdele,all
f,30,fy,-1200,,32,2
f,46,fy,-1200,,48,2
lswrite,30
fdele,all
f,31,fy,-1200,,33,2
f,47,fy,-1200,,49,2
lswrite,31
fdele,all
f,32,fy,-1200,,34,2
f,48,fy,-1200,,50,2
lswrite,32
fdele,all
f,33,fy,-1200,,35,2
f,49,fy,-1200,,51,2
lswrite,33
fdele,all
f,34,fy,-1200,,36,2
f,50,fy,-1200,,52,2
lswrite,34
fdele,all
f,35,fy,-1200,,37,2
f,51,fy,-1200,,53,2
lswrite,35
fdele,all
f,36,fy,-1200,,38,2
f,52,fy,-1200,,54,2
lswrite,36
fdele,all
f,37,fy,-1200,,39,2
f,53,fy,-1200,,55,2
lswrite,37
fdele,all
f,38,fy,-1200,,40,2
f,54,fy,-1200,,56,2
lswrite,38
```

```
fdele,all
f,39,fy,-1200,,41,2
f,55,fy,-1200,,57,2
lswrite,39
fdele,all
f,40,fy,-1200,,42,2
f,56,fy,-1200,,58,2
lswrite,40
fdele,all
f,41,fy,-1200,,43,2
f,57,fy,-1200,,59,2
lswrite,41
fdele,all
f,42,fy,-1200,,44,2
f,58,fy,-1200,,60,2
lswrite,42
fdele,all
f,43,fy,-1200,,45,2
f,59,fy,-1200,,61,2
lswrite,43
fdele,all
f,44,fy,-1200,,46,2
f,60,fy,-1200,,62,2
lswrite,44
fdele,all
f,45,fy,-1200,,47,2
f,61,fy,-1200,,63,2
lswrite,45
fdele,all
f,46,fy,-1200,,48,2
f,62,fy,-1200,,64,2
lswrite,46
fdele,all
f,47,fy,-1200,,49,2
f,63,fy,-1200,,65,2
lswrite,47
fdele,all
f,48,fy,-1200,,50,2
f,64,fy,-1200,,66,2
lswrite,48
fdele,all
f,49,fy,-1200,,51,2
f,65,fy,-1200,,67,2
lswrite,49
fdele,all
f,50,fy,-1200,,52,2
f,66,fy,-1200,,68,2
lswrite,50
fdele,all
f,51,fy,-1200,,53,2
```

```
f,67,fy,-1200,,69,2
lswrite,51
fdele,all
f,52,fy,-1200,,54,2
f,68,fy,-1200,,70,2
lswrite,52
fdele,all
f,53,fy,-1200,,55,2,
f,69,fy,-1200,,71,2
lswrite,53
fdele,all
f,54,fy,-1200,,56,2
f,70,fy,-1200,,72,2
lswrite,54
fdele,all
f,55,fy,-1200,,57,2
f,71,fy,-1200,,73,2
lswrite,55
fdele,all
f,56,fy,-1200,,58,2
f,72,fy,-1200,,74,2
lswrite,56
fdele,all
f,57,fy,-1200,,59,2
f,73,fy,-1200,,75,2
lswrite,57
fdele,all
f,58,fy,-1200,,60,2
f,74,fy,-1200,,76,2
lswrite,58
fdele,all
f,59,fy,-1200,,61,2
f,75,fy,-1200,,77,2
lswrite,59
fdele,all
f,60,fy,-1200,,62,2
f,76,fy,-1200,,78,2
lswrite,60
fdele,all
f,61,fy,-1200,,63,2
f,77,fy,-1200,,79,2
lswrite,61
fdele,all
f,62,fy,-1200,,64,2
f,78,fy,-1200,,80,2
lswrite,62
fdele,all
f,63,fy,-1200,,65,2
f,79,fy,-1200,,81,2
lswrite,63
```

```
fdele,all
f,64,fy,-1200,,66,2
f,80,fy,-1200,,82,2
lswrite,64
fdele,all
f,65,fy,-1200,,67,2
f,81,fy,-1200,,83,2
lswrite,65
fdele,all
!
lssolve,1,65,1
finish
/postl
/output,rnsl,out
set,1,1
prrsol
set,2,1
prrsol
set,3,1
prrsol
set,4,1
prrsol
set,5,1
prrsol
!
set,6,1
prrsol
set,7,1
prrsol
set,8,1
prrsol
set,9,1
prrsol
set,10,1
prrsol
!
set,11,1
prrsol
set,12,1
prrsol
set,13,1
prrsol
set,14,1
prrsol
set,15,1
prrsol
!
set,16,1
prrsol
set,17,1
```

```
prrsol
set,18,1
prrsol
set,19,1
prrsol
set,20,1
prrsol
!
set,21,1
prrsol
set,22,1
prrsol
set,23,1
prrsol
set,24,1
prrsol
set,25,1
prrsol
!
set,26,1
prrsol
set,27,1
prrsol
set,28,1
prrsol
set,29,1
prrsol
set,30,1
prrsol
!
set,31,1
prrsol
set,32,1
prrsol
set,33,1
prrsol
set,34,1
prrsol
set,35,1
prrsol
!
set,36,1
prrsol
set,37,1
prrsol
set,38,1
prrsol
!
set,39,1
prrsol
```

```
set,40,1
prrsol
set,41,1
prrsol
set,42,1
prrsol
set,43,1
prrsol
!
set,44,1
prrsol
set,45,1
prrsol
set,46,1
prrsol
set,47,1
prrsol
set,48,1
prrsol
!
set,49,1
prrsol
set,50,1
prrsol
set,51,1
prrsol
set,52,1
prrsol
set,53,1
prrsol
!
set,54,1
prrsol
set,55,1
prrsol
set,56,1
prrsol
set,57,1
prrsol
set,58,1
prrsol
set,59,1
prrsol
!
set,60,1
prrsol
set,61,1
prrsol
set,62,1
prrsol
```

```
set,63,1
prrsol
set,64,1
prrsol
finish
```

COMPUTER FILE : RNS1.OUT (Input File : RNS1.IN)
(Two moving loads @ 4 ft. apart)
USE LOAD STEP 1 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 1 SUBSTEP= 1 CUMULATIVE ITERATION= 1
TIME/FREQUENCY= 1.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 1 SUBSTEP= 1

TIME= 1.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	46.264	0.00000E+00	0.00000E+00	0.00000E+00	18.228
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		1406.1				
305		1236.4	0.00000E+00			
317		1851.8				
329		510.86				
343		-41.063				
357		19.326				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

```
TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -5.6983



USE LOAD STEP     2  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     2  SUBSTEP=     1  CUMULATIVE ITERATION=     2
  TIME/FREQUENCY=  2.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     2  SUBSTEP=     1

  TIME=    2.0000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  46.701      0.00000E+00 0.00000E+00 0.00000E+00  29.147


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               1126.1
   305               1318.7      0.00000E+00
   317               1929.2
   329               640.87
   343              -48.593
   357               16.652
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
```

```
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00  5.2209



USE LOAD STEP     3  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     3  SUBSTEP=     1  CUMULATIVE ITERATION=     3
  TIME/FREQUENCY=  3.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     3  SUBSTEP=     1

  TIME=    3.0000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  46.989      0.00000E+00 0.00000E+00 0.00000E+00  43.793


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               866.16
   305               1390.5      0.00000E+00
   317               1983.2
   329               782.31
   343              -53.030
   357               13.505
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
```

```
   413                18.794
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00  19.866



USE LOAD STEP     4  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     4  SUBSTEP=     1  CUMULATIVE ITERATION=     4
  TIME/FREQUENCY=  4.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     4  SUBSTEP=     1

  TIME=    4.0000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  47.056      0.00000E+00 0.00000E+00 0.00000E+00  62.687


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301                634.51
   305                1439.2      0.00000E+00
   317                2021.1
```

```
   329              930.87
   343             -52.921
   357              9.9006
   371              18.794
   385              46.909     0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096     0.00000E+00
   469              22.070
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136     0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  38.761



USE LOAD STEP     5  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     5  SUBSTEP=     1  CUMULATIVE ITERATION=     5
  TIME/FREQUENCY=  5.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     5  SUBSTEP=     1

  TIME=    5.0000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  46.824     0.00000E+00 0.00000E+00 0.00000E+00  86.447


   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690
```

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               435.24
   305               1458.5     0.00000E+00
   317               2047.4
   329               1082.6
   343              -46.757
   357               5.8370
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  62.520



USE LOAD STEP     6  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     6  SUBSTEP=     1  CUMULATIVE ITERATION=     6
  TIME/FREQUENCY=  6.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     6  SUBSTEP=     1

  TIME=    6.0000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ
```

```
    65  0.00000E+00  46.214     0.00000E+00 0.00000E+00 0.00000E+00  115.74

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               270.31
   305               1445.1     0.00000E+00
   317               2065.9
   329               1233.9
   343              -32.998
   357               1.3073
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  91.809



USE LOAD STEP     7  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     7  SUBSTEP=     1  CUMULATIVE ITERATION=     7
  TIME/FREQUENCY=  7.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     7  SUBSTEP=     1

  TIME=    7.0000      LOAD CASE=   0
```

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.146	0.00000E+00	0.00000E+00	0.00000E+00	151.31
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		137.49				
305		1401.7	0.00000E+00			
317		2077.8				
329		1381.3				
343		-10.046				
357		-3.7088				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	127.39

USE LOAD STEP 8 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 8 SUBSTEP= 1 CUMULATIVE ITERATION= 8
TIME/FREQUENCY= 8.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 8 SUBSTEP= 1

TIME= 8.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.538	0.00000E+00	0.00000E+00	0.00000E+00	193.96
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		33.491				
305		1332.7	0.00000E+00			
317		2083.8				
329		1521.7				
343		23.711				
357		-9.2353				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	170.03

USE LOAD STEP 9 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 9 SUBSTEP= 1 CUMULATIVE ITERATION= 9

TIME/FREQUENCY= 9.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 9 SUBSTEP= 1

TIME= 9.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.309	0.00000E+00	0.00000E+00	0.00000E+00	244.45
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-44.974				
305		1242.1	0.00000E+00			
317		2084.7				
329		1651.9				
343		69.885				
357		-15.296				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	220.53

USE LOAD STEP 10 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 10 SUBSTEP= 1 CUMULATIVE ITERATION= 10
TIME/FREQUENCY= 10.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 10 SUBSTEP= 1

TIME= 10.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	38.377	0.00000E+00	0.00000E+00	0.00000E+00	303.58
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-101.19				
305		1134.4	0.00000E+00			
317		2081.2				
329		1768.7				
343		130.09				
357		-21.915				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	279.65

USE LOAD STEP 11 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 11 SUBSTEP= 1 CUMULATIVE ITERATION= 11
TIME/FREQUENCY= 11.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 11 SUBSTEP= 1

TIME= 11.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	34.436	0.00000E+00	0.00000E+00	0.00000E+00	375.57
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-138.10				
305		1013.9	0.00000E+00			
317		2068.9				
329		1869.6				
343		210.48				
357		-29.421				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			

```
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  351.64



USE LOAD STEP    12  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    12  SUBSTEP=     1  CUMULATIVE ITERATION=    12
  TIME/FREQUENCY=  12.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    12  SUBSTEP=     1

  TIME=    12.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  29.832     0.00000E+00 0.00000E+00 0.00000E+00  454.02


   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301              -159.72
   305               884.75     0.00000E+00
   317               2059.1
   329               1948.9
   343               303.95
   357              -37.146
   371               18.794
```

385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	430.09

USE LOAD STEP 13 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 13 SUBSTEP= 1 CUMULATIVE ITERATION= 13
TIME/FREQUENCY= 13.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 13 SUBSTEP= 1

TIME= 13.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	24.179	0.00000E+00	0.00000E+00	0.00000E+00	542.84
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-168.45				

305	751.86	0.00000E+00				
317	2038.9					
329	2010.2					
343	418.19					
357	-45.235					
371	18.794					
385	46.909	0.00000E+00				
399	46.909					
413	18.794					
427	24.984					
441	47.453					
455	47.096	0.00000E+00				
469	22.070					
483	22.172					
497	47.096					
511	42.895					
523	40.924					
535	24.136	0.00000E+00				
539	7.7416					

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	518.92

USE LOAD STEP 14 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 14 SUBSTEP= 1 CUMULATIVE ITERATION= 14
TIME/FREQUENCY= 14.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 14 SUBSTEP= 1

TIME= 14.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	17.949	0.00000E+00	0.00000E+00	0.00000E+00	631.56

```
   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               -168.14
   305                620.13    0.00000E+00
   317                2016.7
   329                2052.1
   343                543.41
   357               -52.450
   371                18.794
   385                46.909    0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096    0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136    0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  607.64



USE LOAD STEP    15  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    15  SUBSTEP=     1  CUMULATIVE ITERATION=    15
  TIME/FREQUENCY=  15.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    15  SUBSTEP=     1

  TIME=    15.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	11.122	0.00000E+00	0.00000E+00	0.00000E+00	717.00
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-160.96				
305		490.25	0.00000E+00			
317		1981.0				
329		2086.7				
343		679.79				
357		-58.169				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	693.08

USE LOAD STEP 16 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 16 SUBSTEP= 1 CUMULATIVE ITERATION= 16
TIME/FREQUENCY= 16.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 16 SUBSTEP= 1

TIME= 16.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	3.8290	0.00000E+00	0.00000E+00	0.00000E+00	791.06
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-150.39				
305		377.23	0.00000E+00			
317		1926.0				
329		2109.9				
343		824.21				
357		-61.085				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	767.13

USE LOAD STEP 17 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 17 SUBSTEP= 1 CUMULATIVE ITERATION= 17
TIME/FREQUENCY= 17.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 17 SUBSTEP= 1

TIME= 17.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-11.551	0.00000E+00	0.00000E+00	0.00000E+00	877.64
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-124.49				
305		191.45	0.00000E+00			
317		1753.7				
329		2151.2				
343		1123.7				
357		-54.320				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	853.71

USE LOAD STEP 18 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 18 SUBSTEP= 1 CUMULATIVE ITERATION= 18
TIME/FREQUENCY= 18.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 18 SUBSTEP= 1

TIME= 18.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-19.429	0.00000E+00	0.00000E+00	0.00000E+00	875.45
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-111.34				
305		124.11	0.00000E+00			
317		1638.8				
329		2166.1				
343		1273.7				
357		-42.219				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 5570.5 0.00000E+00 0.00000E+00 0.00000E+00 851.52

USE LOAD STEP 19 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 19 SUBSTEP= 1 CUMULATIVE ITERATION= 19
TIME/FREQUENCY= 19.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 19 SUBSTEP= 1

TIME= 19.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-27.301	0.00000E+00	0.00000E+00	0.00000E+00	833.61
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-98.203				
305		70.296	0.00000E+00			
317		1509.3				
329		2177.6				
343		1420.7				
357		-22.770				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				

```
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00  809.68



USE LOAD STEP    20  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    20  SUBSTEP=     1  CUMULATIVE ITERATION=    20
  TIME/FREQUENCY=  20.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    20  SUBSTEP=     1

  TIME=    20.000       LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -35.074      0.00000E+00 0.00000E+00 0.00000E+00  745.06


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               -85.208
   305                28.537      0.00000E+00
   317                1368.7
   329                2185.1
   343                1562.4
   357                5.1997
   371                18.794
   385                46.909      0.00000E+00
   399                46.909
```

413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	721.13

USE LOAD STEP 21 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 21 SUBSTEP= 1 CUMULATIVE ITERATION= 21
TIME/FREQUENCY= 21.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 21 SUBSTEP= 1

TIME= 21.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-42.655	0.00000E+00	0.00000E+00	0.00000E+00	602.73
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-72.478				
305		-2.6306	0.00000E+00			
317		1220.3				

```
   329              2187.7
   343              1696.5
   357              42.864
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096      0.00000E+00
   469              22.070
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136      0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  578.80



USE LOAD STEP    22  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    22  SUBSTEP=     1  CUMULATIVE ITERATION=    22
  TIME/FREQUENCY=  22.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    22  SUBSTEP=     1

  TIME=    22.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -49.952     0.00000E+00 0.00000E+00 0.00000E+00  399.54


   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690
```

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               -60.135
   305               -24.672     0.00000E+00
   317                1067.5
   329                2184.8
   343                1820.8
   357                91.397
   371                18.794
   385                46.909     0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096     0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136     0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  375.62



USE LOAD STEP    23  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    23  SUBSTEP=     1  CUMULATIVE ITERATION=    23
  TIME/FREQUENCY=  23.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    23  SUBSTEP=     1

  TIME=    23.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
```

```
    65  0.00000E+00 -56.871     0.00000E+00 0.00000E+00 0.00000E+00  128.44

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301              -48.304
   305              -39.053     0.00000E+00
   317               913.57
   329               2175.4
   343               1932.9
   357               151.97
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  104.51



USE LOAD STEP    24  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    24  SUBSTEP=     1  CUMULATIVE ITERATION=    24
  TIME/FREQUENCY=  24.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    24  SUBSTEP=     1

  TIME=    24.000      LOAD CASE=   0
```

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-63.319	0.00000E+00	0.00000E+00	0.00000E+00	-217.65
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-37.106				
305		-47.240	0.00000E+00			
317		762.00				
329		2159.0				
343		2030.6				
357		225.76				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-241.58

USE LOAD STEP 25 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 25 SUBSTEP= 1 CUMULATIVE ITERATION= 25
TIME/FREQUENCY= 25.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 25 SUBSTEP= 1

TIME= 25.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-69.050	0.00000E+00	0.00000E+00	0.00000E+00	-644.43
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-26.676				
305		-50.685	0.00000E+00			
317		616.23				
329		2134.2				
343		2112.2				
357		313.46				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-668.36

USE LOAD STEP 26 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 26 SUBSTEP= 1 CUMULATIVE ITERATION= 26

TIME/FREQUENCY= 26.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 26 SUBSTEP= 1

TIME= 26.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-73.426	0.00000E+00	0.00000E+00	0.00000E+00	-1148.7
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-16.826				
305		-50.759	0.00000E+00			
317		475.09				
329		2098.9				
343		2183.2				
357		413.53				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-1172.6

USE LOAD STEP 27 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 27 SUBSTEP= 1 CUMULATIVE ITERATION= 27
TIME/FREQUENCY= 27.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 27 SUBSTEP= 1

TIME= 27.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-74.850	0.00000E+00	0.00000E+00	0.00000E+00	-1735.2
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-8.5031				
305		-48.745	0.00000E+00			
317		353.57				
329		2046.6				
343		2237.1				
357		524.47				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -1759.1



USE LOAD STEP    28  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    28  SUBSTEP=     1  CUMULATIVE ITERATION=    28
  TIME/FREQUENCY=  28.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    28  SUBSTEP=     1

  TIME=    28.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -71.844     0.00000E+00 0.00000E+00 0.00000E+00 -2392.9


   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301              -1.0191
   305              -45.480     0.00000E+00
   317               242.70
   329               1978.4
   343               2284.9
   357               642.04
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
```

```
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -2416.8



USE LOAD STEP    29  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    29  SUBSTEP=     1  CUMULATIVE ITERATION=    29
  TIME/FREQUENCY=  29.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    29  SUBSTEP=     1

  TIME=    29.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -61.913     0.00000E+00 0.00000E+00 0.00000E+00 -3123.6


   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               4.8040
   305              -41.567     0.00000E+00
   317               154.93
   329               1889.9
   343               2320.6
   357               762.89
   371               18.794
```

```
   385                46.909      0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -3147.6



USE LOAD STEP    30  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    30  SUBSTEP=     1  CUMULATIVE ITERATION=    30
  TIME/FREQUENCY=  30.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    30  SUBSTEP=     1

  TIME=    30.000       LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -43.077      0.00000E+00 0.00000E+00 0.00000E+00 -3922.6

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301                9.4606
```

305		-37.241	0.00000E+00			
317		83.440				
329		1785.3				
343		2348.6				
357		883.19				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-3946.6

USE LOAD STEP 31 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 31 SUBSTEP= 1 CUMULATIVE ITERATION= 31
TIME/FREQUENCY= 31.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 31 SUBSTEP= 1

TIME= 31.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-13.144	0.00000E+00	0.00000E+00	0.00000E+00	-4788.7

```
   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               13.059
   305              -32.581     0.00000E+00
   317               26.756
   329               1667.2
   343               2368.9
   357               999.47
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -4812.7



USE LOAD STEP    32  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    32  SUBSTEP=     1  CUMULATIVE ITERATION=    32
  TIME/FREQUENCY=  32.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    32  SUBSTEP=     1

  TIME=    32.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	30.075	0.00000E+00	0.00000E+00	0.00000E+00	-5720.8
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		15.706				
305		-27.663	0.00000E+00			
317		-16.577				
329		1538.2				
343		2381.7				
357		1108.3				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-5744.8

USE LOAD STEP 33 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 33 SUBSTEP= 1 CUMULATIVE ITERATION= 33
TIME/FREQUENCY= 33.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 33 SUBSTEP= 1

TIME= 33.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	88.771	0.00000E+00	0.00000E+00	0.00000E+00	-6717.7
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		17.510				
305		-22.567	0.00000E+00			
317		-48.020				
329		1401.0				
343		2386.9				
357		1206.1				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-6741.7

USE LOAD STEP 34 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 34 SUBSTEP= 1 CUMULATIVE ITERATION= 34
TIME/FREQUENCY= 34.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 34 SUBSTEP= 1

TIME= 34.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	165.13	0.00000E+00	0.00000E+00	0.00000E+00	-7778.3
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		18.579				
305		-17.371	0.00000E+00			
317		-69.035				
329		1258.1				
343		2384.8				
357		1289.6				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-7802.3

USE LOAD STEP 35 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 35 SUBSTEP= 1 CUMULATIVE ITERATION= 35
TIME/FREQUENCY= 35.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 35 SUBSTEP= 1

TIME= 35.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	261.35	0.00000E+00	0.00000E+00	0.00000E+00	-8901.5
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		19.021				
305		-12.151	0.00000E+00			
317		-81.083				
329		1112.1				
343		2375.3				
357		1355.1				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 5570.5 0.00000E+00 0.00000E+00 0.00000E+00 -8925.4

USE LOAD STEP 36 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 36 SUBSTEP= 1 CUMULATIVE ITERATION= 36
TIME/FREQUENCY= 36.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 36 SUBSTEP= 1

TIME= 36.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	379.62	0.00000E+00	0.00000E+00	0.00000E+00	-10086.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		18.944				
305		-6.9868	0.00000E+00			
317		-85.624				
329		965.78				
343		2358.6				
357		1399.4				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				

```
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -10110.



USE LOAD STEP    37  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    37  SUBSTEP=     1  CUMULATIVE ITERATION=    37
  TIME/FREQUENCY=  37.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    37  SUBSTEP=     1

  TIME=    37.000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  522.12      0.00000E+00 0.00000E+00 0.00000E+00 -11331.


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301                18.455
   305               -1.9557      0.00000E+00
   317               -84.120
   329                821.63
   343                2334.7
   357                1418.9
   371                18.794
   385                46.909      0.00000E+00
   399                46.909
```

413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-11355.

USE LOAD STEP 38 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 38 SUBSTEP= 1 CUMULATIVE ITERATION= 38
TIME/FREQUENCY= 38.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 38 SUBSTEP= 1

TIME= 38.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	691.05	0.00000E+00	0.00000E+00	0.00000E+00	-12635.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		17.662				
305		2.8641	0.00000E+00			
317		-78.031				

```
   329              682.30
   343              2303.8
   357              1410.1
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096      0.00000E+00
   469              22.070
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136      0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -12659.



USE LOAD STEP    39  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    39  SUBSTEP=     1  CUMULATIVE ITERATION=    39
  TIME/FREQUENCY=  39.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    39  SUBSTEP=     1

  TIME=    39.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  887.24      0.00000E+00 0.00000E+00 0.00000E+00 -13977.


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690
```

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               16.674
   305               7.3914     0.00000E+00
   317              -68.814
   329               550.50
   343               2265.4
   357               1371.3
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -14001.



USE LOAD STEP .  40  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    40  SUBSTEP=     1  CUMULATIVE ITERATION=    40
  TIME/FREQUENCY=  40.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    40  SUBSTEP=     1

  TIME=    40.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ
```

```
    65  0.00000E+00  1106.1     0.00000E+00 0.00000E+00 0.00000E+00 -15255.

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               15.597
   305               11.531     0.00000E+00
   317              -57.906
   329               429.31
   343               2217.3
   357               1307.8
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -15278.



USE LOAD STEP    41  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    41  SUBSTEP=     1  CUMULATIVE ITERATION=    41
  TIME/FREQUENCY=  41.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    41  SUBSTEP=     1

  TIME=    41.000      LOAD CASE=   0
```

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1340.7	0.00000E+00	0.00000E+00	0.00000E+00	-16324.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		14.529				
305		15.197	0.00000E+00			
317		-46.606				
329		321.57				
343		2156.7				
357		1227.7				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-16348.

USE LOAD STEP 42 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 42 SUBSTEP= 1 CUMULATIVE ITERATION= 42
TIME/FREQUENCY= 42.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 42 SUBSTEP= 1

TIME= 42.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1578.9	0.00000E+00	0.00000E+00	0.00000E+00	-16955.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		13.528				
305		18.346	0.00000E+00			
317		-35.700				
329		228.70				
343		2081.7				
357		1144.2				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-16979.

USE LOAD STEP 43 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 43 SUBSTEP= 1 CUMULATIVE ITERATION= 43

TIME/FREQUENCY= 43.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 43 SUBSTEP= 1

TIME= 43.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1807.9	0.00000E+00	0.00000E+00	0.00000E+00	-16895.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		12.632				
305		20.962	0.00000E+00			
317		-25.714				
329		151.30				
343		1991.3				
357		1071.3				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-16918.

```
USE LOAD STEP     44  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     44  SUBSTEP=      1  CUMULATIVE ITERATION=     44
  TIME/FREQUENCY=  44.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     44  SUBSTEP=      1

  TIME=     44.000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  2015.4      0.00000E+00 0.00000E+00 0.00000E+00 -15884.


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               11.839
   305               23.087      0.00000E+00
   317              -16.678
   329               88.165
   343               1886.7
   357               1021.2
   371               18.794
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
```

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -15908.



USE LOAD STEP    45  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    45  SUBSTEP=     1  CUMULATIVE ITERATION=    45
  TIME/FREQUENCY=  45.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    45  SUBSTEP=     1

  TIME=    45.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  2189.3     0.00000E+00 0.00000E+00 0.00000E+00 -13664.

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301              11.140
   305              24.779     0.00000E+00
   317             -8.4959
   329              37.669
   343              1770.1
   357              1005.3
   371              18.794
   385              46.909     0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096     0.00000E+00
```

```
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -13688.



USE LOAD STEP     46  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     46  SUBSTEP=      1  CUMULATIVE ITERATION=     46
  TIME/FREQUENCY=  46.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     46  SUBSTEP=      1

  TIME=     46.000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX           FY           FZ           MX           MY           MZ

    65  0.00000E+00  2317.2      0.00000E+00 0.00000E+00 0.00000E+00 -9974.3


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301                10.521
   305                26.092      0.00000E+00
   317               -1.0717
   329               -1.8376
   343                1643.6
   357                1035.2
   371                18.794
```

```
   385                46.909      0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00 -9998.2



USE LOAD STEP    47  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    47  SUBSTEP=     1  CUMULATIVE ITERATION=    47
  TIME/FREQUENCY=  47.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    47  SUBSTEP=     1

  TIME=    47.000       LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  2385.4      0.00000E+00 0.00000E+00 0.00000E+00 -5591.1


   119  0.00000E+00  41.697      0.00000E+00 0.00000E+00 0.00000E+00 -24.699


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               9.9781
```

305	27.061	0.00000E+00				
317	5.6589					
329	-31.295					
343	1508.0					
357	1100.9					
371	40.036					
385	50.510	0.00000E+00				
399	45.972					
413	18.763					
427	24.984					
441	47.453					
455	47.096	0.00000E+00				
469	22.070					
483	22.172					
497	47.096					
511	42.895					
523	40.924					
535	24.136	0.00000E+00				
539	7.7416					

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-5615.0

USE LOAD STEP 48 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 48 SUBSTEP= 1 CUMULATIVE ITERATION= 48
TIME/FREQUENCY= 48.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2391.7	0.00000E+00	0.00000E+00	0.00000E+00	-1271.7

```
   119  0.00000E+00  41.838     0.00000E+00 0.00000E+00 0.00000E+00 -24.505


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               9.5045
   305               27.713     0.00000E+00
   317               11.734
   329              -51.563
   343               1364.8
   357               1187.2
   371               96.100
   385               61.683     0.00000E+00
   399               43.328
   413               18.654
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -1295.4



USE LOAD STEP    49  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    49  SUBSTEP=     1  CUMULATIVE ITERATION=    49
  TIME/FREQUENCY=  49.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    49  SUBSTEP=     1

  TIME=    49.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2339.9	0.00000E+00	0.00000E+00	0.00000E+00	2236.3
119	0.00000E+00	42.102	0.00000E+00	0.00000E+00	0.00000E+00	-23.790
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		9.0967				
305		28.079	0.00000E+00			
317		17.180				
329		-63.457				
343		1215.9				
357		1275.9				
371		196.74				
385		84.577	0.00000E+00			
399		38.291				
413		18.414				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	2213.3

USE LOAD STEP 50 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 50 SUBSTEP= 1 CUMULATIVE ITERATION= 50
TIME/FREQUENCY= 50.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 50 SUBSTEP= 1

TIME= 50.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2245.8	0.00000E+00	0.00000E+00	0.00000E+00	4204.5
119	0.00000E+00	42.506	0.00000E+00	0.00000E+00	0.00000E+00	-22.011
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		8.7529				
305		28.183	0.00000E+00			
317		21.997				
329		-67.709				
343		1063.6				
357		1343.5				
371		344.04				
385		123.71	0.00000E+00			
399		30.342				
413		17.975				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	4183.2

USE LOAD STEP 51 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 51 SUBSTEP= 1 CUMULATIVE ITERATION= 51
TIME/FREQUENCY= 51.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 51 SUBSTEP= 1

TIME= 51.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2132.8	0.00000E+00	0.00000E+00	0.00000E+00	4950.1
119	0.00000E+00	43.012	0.00000E+00	0.00000E+00	0.00000E+00	-18.511
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		8.4679				
305		28.074	0.00000E+00			
317		26.201				
329		-65.709				
343		911.93				
357		1385.5				
371		515.01				
385		180.19	0.00000E+00			
399		19.984				
413		17.293				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	4932.4

USE LOAD STEP 52 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 52 SUBSTEP= 1 CUMULATIVE ITERATION= 52
TIME/FREQUENCY= 52.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 52 SUBSTEP= 1

TIME= 52.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2024.4	0.00000E+00	0.00000E+00	0.00000E+00	4790.6
119	0.00000E+00	43.579	0.00000E+00	0.00000E+00	0.00000E+00	-12.630
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		8.2368				
305		27.800	0.00000E+00			
317		29.814				
329		-58.849				
343		764.72				
357		1397.2				
371		686.68				
385		255.10	0.00000E+00			
399		7.7179				
413		16.324				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

```
TOTAL VALUES
VALUE    0.00000E+00  5570.5      0.00000E+00 0.00000E+00 0.00000E+00  4778.7



USE LOAD STEP     53  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     53  SUBSTEP=      1  CUMULATIVE ITERATION=     53
  TIME/FREQUENCY=  53.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     53  SUBSTEP=      1

  TIME=     53.000       LOAD CASE=    0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  1942.3      0.00000E+00 0.00000E+00 0.00000E+00  4020.0


   119  0.00000E+00  44.164      0.00000E+00 0.00000E+00 0.00000E+00 -3.7371


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               8.0547
   305               27.410      0.00000E+00
   317               32.852
   329              -48.519
   343               625.93
   357               1374.0
   371               838.32
   385               349.14      0.00000E+00
   399              -5.8776
   413               15.030
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
```

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	4017.0

USE LOAD STEP 54 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 54 SUBSTEP= 1 CUMULATIVE ITERATION= 54
TIME/FREQUENCY= 54.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 54 SUBSTEP= 1

TIME= 54.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1900.2	0.00000E+00	0.00000E+00	0.00000E+00	2840.0
119	0.00000E+00	44.711	0.00000E+00	0.00000E+00	0.00000E+00	8.6874
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.9165				
305		26.953	0.00000E+00			
317		35.334				
329		-36.109				
343		499.51				
357		1311.2				
371		958.26				
385		461.27	0.00000E+00			
399		-19.921				

413		13.391				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	2849.5

USE LOAD STEP 55 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 55 SUBSTEP= 1 CUMULATIVE ITERATION= 55
TIME/FREQUENCY= 55.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 55 SUBSTEP= 1

TIME= 55.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1907.0	0.00000E+00	0.00000E+00	0.00000E+00	1426.0
119	0.00000E+00	45.153	0.00000E+00	0.00000E+00	0.00000E+00	25.108
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.8171				
305		26.473	0.00000E+00			
317		37.283				

329	-22.916		
343	388.88		
357	1206.1		
371	1039.3		
385	589.63	0.00000E+00	
399	-33.378		
413	11.400		
427	24.984		
441	47.453		
455	47.096	0.00000E+00	
469	22.070		
483	22.172		
497	47.096		
511	42.895		
523	40.924		
535	24.136	0.00000E+00	
539	7.7416		

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	1451.9

USE LOAD STEP 56 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 56 SUBSTEP= 1 CUMULATIVE ITERATION= 56
TIME/FREQUENCY= 56.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 56 SUBSTEP= 1

TIME= 56.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1958.2	0.00000E+00	0.00000E+00	0.00000E+00	-58.468
119	0.00000E+00	45.410	0.00000E+00	0.00000E+00	0.00000E+00	45.880

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               7.7512
   305               26.002     0.00000E+00
   317               38.744
   329              -9.8544
   343               295.58
   357               1062.6
   371               1083.5
   385               730.66     0.00000E+00
   399              -44.911
   413               9.0705
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -11.825



USE LOAD STEP    57  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    57  SUBSTEP=     1  CUMULATIVE ITERATION=    57
  TIME/FREQUENCY=  57.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     57  SUBSTEP=      1

  TIME=     57.000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX          FY          FZ          MX          MY          MZ
```

65	0.00000E+00	2045.1	0.00000E+00	0.00000E+00	0.00000E+00	-1432.5
119	0.00000E+00	45.400	0.00000E+00	0.00000E+00	0.00000E+00	71.328
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330

301	7.7131	
305	25.566	0.00000E+00
317	39.768	
329	2.3485	
343	220.17	
357	888.28	
371	1094.8	
385	880.37	0.00000E+00
399	-53.106	
413	6.4208	
427	24.984	
441	47.453	
455	47.096	0.00000E+00
469	22.070	
483	22.172	
497	47.096	
511	42.895	
523	40.924	
535	24.136	0.00000E+00
539	7.7416	

TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-1360.4

USE LOAD STEP 58 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 58 SUBSTEP= 1 CUMULATIVE ITERATION= 58
TIME/FREQUENCY= 58.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 58 SUBSTEP= 1

TIME= 58.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2153.1	0.00000E+00	0.00000E+00	0.00000E+00	-2434.5
119	0.00000E+00	45.039	0.00000E+00	0.00000E+00	0.00000E+00	101.78
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.6969				
305		25.175	0.00000E+00			
317		40.427				
329		13.346				
343		161.27				
357		697.60				
371		1077.4				
385		1034.8	0.00000E+00			
399		-56.550				
413		3.4690				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-2332.0

USE LOAD STEP 59 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 59 SUBSTEP= 1 CUMULATIVE ITERATION= 59
TIME/FREQUENCY= 59.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 59 SUBSTEP= 1

TIME= 59.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2266.6	0.00000E+00	0.00000E+00	0.00000E+00	-2782.6
119	0.00000E+00	44.242	0.00000E+00	0.00000E+00	0.00000E+00	137.56
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.6966				
305		24.837	0.00000E+00			
317		40.801				
329		22.886				
343		117.06				
357		506.75				
371		1035.6				
385		1189.9	0.00000E+00			
399		-53.829				
413		0.23336				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-2644.3

USE LOAD STEP 60 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 60 SUBSTEP= 1 CUMULATIVE ITERATION= 60

TIME/FREQUENCY= 60.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 60 SUBSTEP= 1

TIME= 60.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2369.9	0.00000E+00	0.00000E+00	0.00000E+00	-2194.9
119	0.00000E+00	42.927	0.00000E+00	0.00000E+00	0.00000E+00	178.99
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7062				
305		24.562	0.00000E+00			
317		40.965				
329		30.716				
343		85.679				
357		331.92				
371		973.39				
385		1341.8	0.00000E+00			
399		-43.529				
413		-3.2678				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	-2015.2

USE LOAD STEP 61 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 61 SUBSTEP= 1 CUMULATIVE ITERATION= 61
TIME/FREQUENCY= 61.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 61 SUBSTEP= 1

TIME= 61.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2447.4	0.00000E+00	0.00000E+00	0.00000E+00	-389.72
119	0.00000E+00	41.011	0.00000E+00	0.00000E+00	0.00000E+00	226.40
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7196				
305		24.356	0.00000E+00			
317		40.997				
329		36.586				
343		65.285				
357		189.30				
371		895.02				
385		1486.4	0.00000E+00			
399		-24.236				
413		-7.0162				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00 -162.55



USE LOAD STEP    62  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    62  SUBSTEP=     1  CUMULATIVE ITERATION=    62
  TIME/FREQUENCY=  62.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    62  SUBSTEP=     1

  TIME=    62.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  2483.2     0.00000E+00 0.00000E+00 0.00000E+00  2914.9


   119  0.00000E+00  38.408     0.00000E+00 0.00000E+00 0.00000E+00  280.12


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301              7.7309
   305              24.228     0.00000E+00
   317              40.975
   329              40.242
   343              54.032
   357              95.096
   371              804.62
   385              1619.7     0.00000E+00
   399              5.4630
   413             -10.994
   427              24.984
   441              47.453
   455              47.096     0.00000E+00
```

469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	3195.8

USE LOAD STEP 63 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 63 SUBSTEP= 1 CUMULATIVE ITERATION= 63
TIME/FREQUENCY= 63.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 63 SUBSTEP= 1

TIME= 63.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2460.0	0.00000E+00	0.00000E+00	0.00000E+00	6964.6
119	0.00000E+00	35.089	0.00000E+00	0.00000E+00	0.00000E+00	340.47
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7381				
305		24.162	0.00000E+00			
317		40.945				
329		42.133				
343		48.867				
357		43.944				
371		727.58				

385		1741.4	0.00000E+00			
399		46.045				
413		-15.213				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	5570.5	0.00000E+00	0.00000E+00	0.00000E+00	7305.8

USE LOAD STEP 64 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 64 SUBSTEP= 1 CUMULATIVE ITERATION= 64
TIME/FREQUENCY= 64.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 64 SUBSTEP= 1

TIME= 64.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2372.1	0.00000E+00	0.00000E+00	0.00000E+00	11024.
119	0.00000E+00	31.007	0.00000E+00	0.00000E+00	0.00000E+00	407.97
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				

```
   305              24.140     0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              681.65
   385              1851.5     0.00000E+00
   399              98.155
   413             -19.703
   427              24.984
   441              47.453
   455              47.096     0.00000E+00
   469              22.070
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136     0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  5570.5     0.00000E+00 0.00000E+00 0.00000E+00  11433.


EXIT THE ANSYS POST1 DATABASE PROCESSOR


***** ROUTINE COMPLETED *****  CP =       131.350


*** NOTE ***                            CP=    131.350   TIME= 08:29:31
A total of 1 warnings and errors written to file.err.

PRODUCE ELEMENT PLOT IN DSYS =   0

***** END OF INPUT ENCOUNTERED *****

PURGE ALL SOLUTION AND POST DATA
SAVE ALL MODEL DATA

ALL CURRENT ANSYS DATA WRITTEN TO FILE NAME= file.db
 FOR POSSIBLE RESUME FROM THIS POINT


NUMBER OF WARNING MESSAGES ENCOUNTERED=          1
NUMBER OF ERROR   MESSAGES ENCOUNTERED=          0
```

```
FILE NAME : R3NS1.IN
/title,monorail, basin side, load every 6 inches.
! ******* Three hoist moving 4 ft. apart , File R3NS1.IN *********
et,1,4
et,2,1,
!
r,1,3.61,21.8,1.8,3,1.65,
r,2,.309,
ex,1,29e6
dens,1,.00073386
nuxy,1,.3
!
n,1,,,,
n,2,3,
ngen,8,2,1,2,1,6
n,17,48.25,,,
n,18,51.25,,,
ngen,6,2,17,18,1,6
n,29,84.5,,,
n,30,87.5,,
ngen,97,2,29,30,1,6
n,223,666.75,,,
n,224,669.75,,,
ngen,6,2,223,224,1,6
n,235,703,,
n,236,706,,
ngen,2,2,235,236,1,6
n,239,715,,
n,301,,22,,
n,305,12,22,,
n,317,48.25,22,,
n,329,84.5,22,,
n,343,126.5,22,
n,357,168.5,22,
n,371,210.5,22,,
n,385,252.5,22,,
n,399,294.5,22,,
n,413,336.5,22,,
n,427,378.5,22,,
n,441,420.5,22,,
n,455,462.5,22,,
n,469,504.5,22,,
n,483,546.5,22,,
n,497,588.5,22,,
n,511,630.5,22,,
n,523,666.75,22,,
n,535,703,22,,
```

```
n,539,715,22,,
!
mat,1
type,1
real,1
e,1,2
egen,238,1,-1
mat,1
real,2
type,2
e,1,301
e,5,305
e,17,317
e,29,329
e,43,343
e,57,357
e,71,371
e,85,385
e,99,399
e,113,413
e,127,427
e,141,441
e,155,455
e,169,469
e,183,483
e,197,497
e,211,511
e,223,523
e,235,535
e,239,539
!
d,329,uy,,,511,14,,
d,301,uy
d,305,uy,,,317,12,,
d,523,uy,,,535,12,
d,539,uy
d,305,uz
d,385,uz
d,455,uz
d,535,uz
d,65,all
d,119,all
d,176,all
!
nlist,all
elist,all
dlist,all
finish
!
/solu
```

```
antyp,0
stat
acel,,386.4,,
f,1,fy,-1200,,3,2
f,17,fy,-1200,,19,2
f,33,fy,-1200,,35,2
lswrite,1
fdele,all
f,2,fy,-1200,,4,2
f,18,fy,-1200,,20,2
f,34,fy,-1200,,36,2
lswrite,2
fdele,all
f,3,fy,-1200,,5,2
f,19,fy,-1200,,21,2
f,35,fy,-1200,,37,2
lswrite,3
fdele,all
f,4,fy,-1200,,6,2
f,20,fy,-1200,,22,2
f,36,fy,-1200,,38,2
lswrite,4
fdele,all
f,5,fy,-1200,,7,2
f,21,fy,-1200,,23,2
f,37,fy,-1200,,39,2
lswrite,5
fdele,all
f,6,fy,-1200,,8,2
f,22,fy,-1200,,24,2
f,38,fy,-1200,,40,2
lswrite,6
fdele,all
f,7,fy,-1200,,9,2
f,23,fy,-1200,,25,2
f,39,fy,-1200,,41,2
lswrite,7
fdele,all
f,8,fy,-1200,,10,2
f,24,fy,-1200,,26,2
f,40,fy,-1200,,42,2
lswrite,8
fdele,all
f,9,fy,-1200,,11,2
f,25,fy,-1200,,27,2
f,41,fy,-1200,,43,2
lswrite,9
fdele,all
f,10,fy,-1200,,12,2
f,26,fy,-1200,,28,2
```

```
f,42,fy,-1200,,44,2
lswrite,10
fdele,all
f,11,fy,-1200,,13,2
f,27,fy,-1200,,29,2
f,43,fy,-1200,,45,2
lswrite,11
fdele,all
f,12,fy,-1200,,14,2
f,28,fy,-1200,,30,2
f,44,fy,-1200,,46,2
lswrite,12
fdele,all
f,13,fy,-1200,,15,2
f,29,fy,-1200,,31,2
f,45,fy,-1200,,47,2
lswrite,13
fdele,all
f,14,fy,-1200,,16,2
f,30,fy,-1200,,32,2
f,46,fy,-1200,,48,2
lswrite,14
fdele,all
f,15,fy,-1200,,17,2
f,31,fy,-1200,,33,2
f,47,fy,-1200,,49,2
lswrite,15
fdele,all
f,16,fy,-1200,,18,2
f,32,fy,-1200,,34,2
f,48,fy,-1200,,50,2
lswrite,16
fdele,all
f,17,fy,-1200,,19,2
f,33,fy,-1200,,35,2
f,49,fy,-1200,,51,2
lswrite,17
fdele,all
f,18,fy,-1200,,20,2
f,34,fy,-1200,,36,2
f,50,fy,-1200,,52,2
lswrite,18
fdele,all
f,19,fy,-1200,,21,2
f,35,fy,-1200,,37,2
f,51,fy,-1200,,53,2
lswrite,19
fdele,all
f,20,fy,-1200,,22,2
f,36,fy,-1200,,38,2
```

```
f,52,fy,-1200,,54,2
lswrite,20
fdele,all
f,21,fy,-1200,,23,2
f,37,fy,-1200,,39,2
f,53,fy,-1200,,55,2
lswrite,21
fdele,all
f,22,fy,-1200,,24,2
f,38,fy,-1200,,40,2
f,54,fy,-1200,,56,2
lswrite,22
fdele,all
f,23,fy,-1200,,25,2
f,39,fy,-1200,,41,2
f,55,fy,-1200,,57,2
lswrite,23
fdele,all
f,24,fy,-1200,,26,2
f,40,fy,-1200,,42,2
f,56,fy,-1200,,58,2
lswrite,24
fdele,all
f,25,fy,-1200,,27,2
f,41,fy,-1200,,43,2
f,57,fy,-1200,,59,2
lswrite,25
fdele,all
f,26,fy,-1200,,28,2
f,42,fy,-1200,,44,2
f,58,fy,-1200,,60,2
lswrite,26
fdele,all
f,27,fy,-1200,,29,2
f,43,fy,-1200,,45,2
f,59,fy,-1200,,61,2
lswrite,27
fdele,all
f,28,fy,-1200,,30,2
f,44,fy,-1200,,46,2
f,60,fy,-1200,,62,2
lswrite,28
fdele,all
f,29,fy,-1200,,31,2
f,45,fy,-1200,,47,2
f,61,fy,-1200,,63,2
lswrite,29
fdele,all
f,30,fy,-1200,,32,2
f,46,fy,-1200,,48,2
```

```
f,62,fy,-1200,,64,2
lswrite,30
fdele,all
f,31,fy,-1200,,33,2
f,47,fy,-1200,,49,2
f,63,fy,-1200,,65,2
lswrite,31
fdele,all
f,32,fy,-1200,,34,2
f,48,fy,-1200,,50,2
f,64,fy,-1200,,66,2
lswrite,32
fdele,all
f,33,fy,-1200,,35,2
f,49,fy,-1200,,51,2
f,65,fy,-1200,,67,2
lswrite,33
fdele,all
f,34,fy,-1200,,36,2
f,50,fy,-1200,,52,2
f,66,fy,-1200,,68,2
lswrite,34
fdele,all
f,35,fy,-1200,,37,2
f,51,fy,-1200,,53,2
f,67,fy,-1200,,69,2
lswrite,35
fdele,all
f,36,fy,-1200,,38,2
f,52,fy,-1200,,54,2
f,68,fy,-1200,,70,2
lswrite,36
fdele,all
f,37,fy,-1200,,39,2
f,53,fy,-1200,,55,2
f,69,fy,-1200,,71,2
lswrite,37
fdele,all
f,38,fy,-1200,,40,2
f,54,fy,-1200,,56,2
f,70,fy,-1200,,72,2
lswrite,38
fdele,all
f,39,fy,-1200,,41,2
f,55,fy,-1200,,57,2
f,71,fy,-1200,,73,2
lswrite,39
fdele,all
f,40,fy,-1200,,42,2
f,56,fy,-1200,,58,2
```

```
f,72,fy,-1200,,74,2
lswrite,40
fdele,all
f,41,fy,-1200,,43,2
f,57,fy,-1200,,59,2
f,73,fy,-1200,,75,2
lswrite,41
fdele,all
f,42,fy,-1200,,44,2
f,58,fy,-1200,,60,2
f,74,fy,-1200,,76,2
lswrite,42
fdele,all
f,43,fy,-1200,,45,2
f,59,fy,-1200,,61,2
f,75,fy,-1200,,77,2
lswrite,43
fdele,all
f,44,fy,-1200,,46,2
f,60,fy,-1200,,62,2
f,76,fy,-1200,,78,2
lswrite,44
fdele,all
f,45,fy,-1200,,47,2
f,61,fy,-1200,,63,2
f,77,fy,-1200,,79,2
lswrite,45
fdele,all
f,46,fy,-1200,,48,2
f,62,fy,-1200,,64,2
f,78,fy,-1200,,80,2
lswrite,46
fdele,all
f,47,fy,-1200,,49,2
f,63,fy,-1200,,65,2
f,79,fy,-1200,,81,2
lswrite,47
fdele,all
f,48,fy,-1200,,50,2
f,64,fy,-1200,,66,2
f,80,fy,-1200,,82,2
lswrite,48
fdele,all
f,49,fy,-1200,,51,2
f,65,fy,-1200,,67,2
f,81,fy,-1200,,83,2
lswrite,49
fdele,all
f,50,fy,-1200,,52,2
f,66,fy,-1200,,68,2
```

```
f,82,fy,-1200,,84,2
lswrite,50
fdele,all
f,51,fy,-1200,,53,2
f,67,fy,-1200,,69,2
f,83,fy,-1200,,85,2
lswrite,51
fdele,all
f,52,fy,-1200,,54,2
f,68,fy,-1200,,70,2
f,84,fy,-1200,,86,2
lswrite,52
fdele,all
f,53,fy,-1200,,55,2,
f,69,fy,-1200,,71,2
f,85,fy,-1200,,87,2
lswrite,53
fdele,all
f,54,fy,-1200,,56,2
f,70,fy,-1200,,72,2
f,86,fy,-1200,,88,2
lswrite,54
fdele,all
f,55,fy,-1200,,57,2
f,71,fy,-1200,,73,2
f,87,fy,-1200,,89,2
lswrite,55
fdele,all
f,56,fy,-1200,,58,2
f,72,fy,-1200,,74,2
f,88,fy,-1200,,90,2
lswrite,56
fdele,all
f,57,fy,-1200,,59,2
f,73,fy,-1200,,75,2
f,89,fy,-1200,,91,2
lswrite,57
fdele,all
f,58,fy,-1200,,60,2
f,74,fy,-1200,,76,2
f,90,fy,-1200,,92,2
lswrite,58
fdele,all
f,59,fy,-1200,,61,2
f,75,fy,-1200,,77,2
f,91,fy,-1200,,93,2
lswrite,59
fdele,all
f,60,fy,-1200,,62,2
f,76,fy,-1200,,78,2
```

```
f,92,fy,-1200,,94,2
lswrite,60
fdele,all
f,61,fy,-1200,,63,2
f,77,fy,-1200,,79,2
f,93,fy,-1200,,95,2
lswrite,61
fdele,all
f,62,fy,-1200,,64,2
f,78,fy,-1200,,80,2
f,94,fy,-1200,,96,2
lswrite,62
fdele,all
f,63,fy,-1200,,65,2
f,79,fy,-1200,,81,2
f,95,fy,-1200,,97,2
lswrite,63
fdele,all
f,64,fy,-1200,,66,2
f,80,fy,-1200,,82,2
f,96,fy,-1200,,98,2
lswrite,64
fdele,all
f,65,fy,-1200,,67,2
f,81,fy,-1200,,83,2
f,97,fy,-1200,,99,2
lswrite,65
fdele,all
!
lssolve,1,65,1
finish
/post1
/output,r3ns1,out
set,1,1
prrsol
set,2,1
prrsol
set,3,1
prrsol
set,4,1
prrsol
set,5,1
prrsol
!
set,6,1
prrsol
set,7,1
prrsol
set,8,1
prrsol
```

```
set,9,1
prrsol
set,10,1
prrsol
!
set,11,1
prrsol
set,12,1
prrsol
set,13,1
prrsol
set,14,1
prrsol
set,15,1
prrsol
!
set,16,1
prrsol
set,17,1
prrsol
set,18,1
prrsol
set,19,1
prrsol
set,20,1
prrsol
!
set,21,1
prrsol
set,22,1
prrsol
set,23,1
prrsol
set,24,1
prrsol
set,25,1
prrsol
!
set,26,1
prrsol
set,27,1
prrsol
set,28,1
prrsol
set,29,1
prrsol
set,30,1
prrsol
!
set,31,1
```

```
prrsol
set,32,1
prrsol
set,33,1
prrsol
set,34,1
prrsol
set,35,1
prrsol
!
set,36,1
prrsol
set,37,1
prrsol
set,38,1
prrsol
!
set,39,1
prrsol
set,40,1
prrsol
set,41,1
prrsol
set,42,1
prrsol
set,43,1
prrsol
!
set,44,1
prrsol
set,45,1
prrsol
set,46,1
prrsol
set,47,1
prrsol
set,48,1
prrsol
!
set,49,1
prrsol
set,50,1
prrsol
set,51,1
prrsol
set,52,1
prrsol
set,53,1
prrsol
!
```

```
set,54,1
prrsol
set,55,1
prrsol
set,56,1
prrsol
set,57,1
prrsol
set,58,1
prrsol
set,59,1
prrsol
!
set,60,1
prrsol
set,61,1
prrsol
set,62,1
prrsol
set,63,1
prrsol
set,64,1
prrsol
finish
```

*** RMIS View/Print Document Cover Sheet ***

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Accession #: D295184410

Document #: SD-SNF-DA-003

Title/Desc:
STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS [SEC 5 OF 6]

Pages: 154

This document was too large to scan as a whole document, therefore it required breaking into smaller sections.

DOCUMENT NUMBER: SD-SNF-DA-003 REV 0

SECTION 5 OF 6

TITLE: STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS

DATE: 11/22/95

ORIGINATOR: KANJILAL SK

CO: KEH

RECIPIENT:

CO:

REFERENCES: EDT-612866

COMPUTER FILE : R3NS1.OUT (Input file R3NS1.IN) Date : 1-24-95

USE LOAD STEP 1 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 1 SUBSTEP= 1 CUMULATIVE ITERATION= 1
TIME/FREQUENCY= 1.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 1 SUBSTEP= 1

TIME= 1.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-3.9149	0.00000E+00	0.00000E+00	0.00000E+00	845.12
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		1412.3				
305		1181.0	0.00000E+00			
317		1823.5				
329		2100.6				
343		975.77				
357		-59.620				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				

523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	821.19

USE LOAD STEP 2 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 2 SUBSTEP= 1 CUMULATIVE ITERATION= 2
TIME/FREQUENCY= 2.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 2 SUBSTEP= 1

TIME= 2.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-11.509	0.00000E+00	0.00000E+00	0.00000E+00	870.87
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		1134.5				
305		1268.1	0.00000E+00			
317		1864.0				
329		2105.3				
343		1122.4				
357		-53.126				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				

```
   441                47.453
   455                47.096      0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00  846.95



USE LOAD STEP     3  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     3  SUBSTEP=     1  CUMULATIVE ITERATION=     3
  TIME/FREQUENCY=  3.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     3  SUBSTEP=     1

  TIME=    3.0000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -19.178     0.00000E+00 0.00000E+00 0.00000E+00  863.97


   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301                875.99
   305                1344.9      0.00000E+00
   317                1892.2
   329                2108.1
   343                1268.1
```

357		-40.460				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	840.04

USE LOAD STEP 4 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 4 SUBSTEP= 1 CUMULATIVE ITERATION= 4
TIME/FREQUENCY= 4.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 4 SUBSTEP= 1

TIME= 4.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-26.824	0.00000E+00	0.00000E+00	0.00000E+00	817.31
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330

```
   301              645.06
   305              1399.0      0.00000E+00
   317              1913.8
   329              2108.7
   343              1410.4
   357             -20.453
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096      0.00000E+00
   469              22.070
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136      0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00  793.38



USE LOAD STEP     5  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     5  SUBSTEP=     1  CUMULATIVE ITERATION=     5
  TIME/FREQUENCY=  5.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     5  SUBSTEP=     1

  TIME=    5.0000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -34.351     0.00000E+00 0.00000E+00 0.00000E+00  723.91
```

```
   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               445.94
   305               1423.7     0.00000E+00
   317               1931.9
   329               2107.3
   343               1547.1
   357               8.0504
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00  699.98



USE LOAD STEP     6  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     6  SUBSTEP=     1  CUMULATIVE ITERATION=     6
  TIME/FREQUENCY=  6.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     6  SUBSTEP=     1

  TIME=    6.0000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-41.664	0.00000E+00	0.00000E+00	0.00000E+00	576.82
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		280.71				
305		1415.8	0.00000E+00			
317		1948.9				
329		2104.0				
343		1675.8				
357		46.200				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	552.90

USE LOAD STEP 7 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 7 SUBSTEP= 1 CUMULATIVE ITERATION= 7
TIME/FREQUENCY= 7.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 7 SUBSTEP= 1

TIME= 7.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-48.673	0.00000E+00	0.00000E+00	0.00000E+00	369.19
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		147.23				
305		1377.7	0.00000E+00			
317		1964.4				
329		2099.7				
343		1794.2				
357		95.131				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	345.27

USE LOAD STEP 8 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 8 SUBSTEP= 1 CUMULATIVE ITERATION= 8
TIME/FREQUENCY= 8.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 8 SUBSTEP= 1

TIME= 8.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-55.287	0.00000E+00	0.00000E+00	0.00000E+00	94.194
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		42.348				
305		1313.6	0.00000E+00			
317		1977.7				
329		2095.1				
343		1900.2				
357		155.98				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	70.268

USE LOAD STEP 9 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 9 SUBSTEP= 1 CUMULATIVE ITERATION= 9
TIME/FREQUENCY= 9.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 9 SUBSTEP= 1

TIME= 9.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-61.414	0.00000E+00	0.00000E+00	0.00000E+00	-255.00
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-37.128				
305		1227.7	0.00000E+00			
317		1988.1				
329		2091.1				
343		1991.6				
357		229.87				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

```
TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00 -278.93



USE LOAD STEP     10  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     10  SUBSTEP=      1  CUMULATIVE ITERATION=     10
  TIME/FREQUENCY=  10.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     10  SUBSTEP=      1

  TIME=     10.000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -66.810      0.00000E+00 0.00000E+00 0.00000E+00 -683.87


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301              -94.377
   305               1124.1     0.00000E+00
   317               1994.9
   329               2087.9
   343               2066.6
   357               317.45
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
```

```
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00 -707.79



USE LOAD STEP     11  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     11  SUBSTEP=      1  CUMULATIVE ITERATION=     11
  TIME/FREQUENCY=  11.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     11  SUBSTEP=      1

  TIME=     11.000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX           FY           FZ           MX           MY           MZ

    65  0.00000E+00 -70.840      0.00000E+00 0.00000E+00 0.00000E+00 -1189.0


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               -132.26
   305                1007.0     0.00000E+00
   317                1992.8
   329                2084.9
   343                2130.9
   357                417.16
   371                18.794
   385                46.909     0.00000E+00
   399                46.909
```

```
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -1212.9



USE LOAD STEP    12  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    12  SUBSTEP=     1  CUMULATIVE ITERATION=    12
  TIME/FREQUENCY=  12.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    12  SUBSTEP=     1

  TIME=    12.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -71.908     0.00000E+00 0.00000E+00 0.00000E+00 -1774.8


   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               -154.79
   305                880.87     0.00000E+00
   317                1992.6
```

329	2077.3		
343	2178.1		
357	527.44		
371	18.794		
385	46.909	0.00000E+00	
399	46.909		
413	18.794		
427	24.984		
441	47.453		
455	47.096	0.00000E+00	
469	22.070		
483	22.172		
497	47.096		
511	42.895		
523	40.924		
535	24.136	0.00000E+00	
539	7.7416		

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-1798.7

USE LOAD STEP 13 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 13 SUBSTEP= 1 CUMULATIVE ITERATION= 13
TIME/FREQUENCY= 13.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 13 SUBSTEP= 1

TIME= 13.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-68.538	0.00000E+00	0.00000E+00	0.00000E+00	-2430.0
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               -164.32
   305                750.38     0.00000E+00
   317                1981.3
   329                2067.6
   343                2219.2
   357                644.01
   371                18.794
   385                46.909     0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096     0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136     0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -2453.9



USE LOAD STEP    14  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    14  SUBSTEP=     1  CUMULATIVE ITERATION=    14
  TIME/FREQUENCY=  14.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    14  SUBSTEP=     1

  TIME=    14.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ
```

65	0.00000E+00	-58.239	0.00000E+00	0.00000E+00	0.00000E+00	-3156.3
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-164.72				
305		620.55	0.00000E+00			
317		1967.2				
329		2053.2				
343		2248.2				
357		763.50				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-3180.2

USE LOAD STEP 15 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 15 SUBSTEP= 1 CUMULATIVE ITERATION= 15
TIME/FREQUENCY= 15.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 15 SUBSTEP= 1

TIME= 15.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-39.015	0.00000E+00	0.00000E+00	0.00000E+00	-3948.2
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-158.17				
305		492.11	0.00000E+00			
317		1938.9				
329		2044.6				
343		2269.3				
357		881.91				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-3972.1

USE LOAD STEP 16 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 16 SUBSTEP= 1 CUMULATIVE ITERATION= 16
TIME/FREQUENCY= 16.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 16 SUBSTEP= 1

TIME= 16.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-8.7153	0.00000E+00	0.00000E+00	0.00000E+00	-4805.0
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-148.15				
305		380.13	0.00000E+00			
317		1890.7				
329		2036.5				
343		2283.3				
357		995.92				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-4829.0

USE LOAD STEP 17 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 17 SUBSTEP= 1 CUMULATIVE ITERATION= 17

TIME/FREQUENCY= 17.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 17 SUBSTEP= 1

TIME= 17.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	34.846	0.00000E+00	0.00000E+00	0.00000E+00	-5724.5
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-135.78				
305		277.36	0.00000E+00			
317		1821.5				
329		2039.5				
343		2290.5				
357		1101.9				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-5748.5

USE LOAD STEP 18 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 18 SUBSTEP= 1 CUMULATIVE ITERATION= 18
TIME/FREQUENCY= 18.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 18 SUBSTEP= 1

TIME= 18.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	93.782	0.00000E+00	0.00000E+00	0.00000E+00	-6705.9
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-123.14				
305		195.39	0.00000E+00			
317		1729.9				
329		2045.0				
343		2292.3				
357		1196.5				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -6729.8



USE LOAD STEP    19  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    19  SUBSTEP=     1  CUMULATIVE ITERATION=    19
  TIME/FREQUENCY=  19.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    19  SUBSTEP=     1

  TIME=    19.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  170.22     0.00000E+00 0.00000E+00 0.00000E+00 -7747.1


   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301              -110.33
   305               128.16     0.00000E+00
   317               1619.8
   329               2055.6
   343               2290.0
   357               1276.2
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
```

```
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00 -7771.1



USE LOAD STEP     20  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     20  SUBSTEP=      1  CUMULATIVE ITERATION=     20
  TIME/FREQUENCY=  20.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     20  SUBSTEP=      1

  TIME=     20.000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  266.28      0.00000E+00 0.00000E+00 0.00000E+00 -8846.6


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               -97.477
   305                74.230      0.00000E+00
   317                1494.6
   329                2069.1
   343                2285.3
   357                1337.6
   371                18.794
```

```
   385               46.909      0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00 -8870.5



USE LOAD STEP    21  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    21  SUBSTEP=     1  CUMULATIVE ITERATION=    21
  TIME/FREQUENCY=  21.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    21  SUBSTEP=     1

  TIME=    21.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  384.07      0.00000E+00 0.00000E+00 0.00000E+00 -10003.

   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               -84.713
```

305	32.197	0.00000E+00	
317	1357.6		
329	2083.5		
343	2279.8		
357	1377.3		
371	18.794		
385	46.909	0.00000E+00	
399	46.909		
413	18.794		
427	24.984		
441	47.453		
455	47.096	0.00000E+00	
469	22.070		
483	22.172		
497	47.096		
511	42.895		
523	40.924		
535	24.136	0.00000E+00	
539	7.7416		

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-10027.

USE LOAD STEP 22 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 22 SUBSTEP= 1 CUMULATIVE ITERATION= 22
TIME/FREQUENCY= 22.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 22 SUBSTEP= 1

TIME= 22.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	525.69	0.00000E+00	0.00000E+00	0.00000E+00	-11213.

```
   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               -72.164
   305               0.64023     0.00000E+00
   317                1212.2
   329                2096.4
   343                2275.1
   357                1391.7
   371                18.794
   385                46.909     0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096     0.00000E+00
   469                22.070
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136     0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -11237.



USE LOAD STEP    23  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    23  SUBSTEP=     1  CUMULATIVE ITERATION=    23
  TIME/FREQUENCY=  23.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    23  SUBSTEP=     1

  TIME=    23.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	693.27	0.00000E+00	0.00000E+00	0.00000E+00	-12477.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-59.960				
305		-21.858	0.00000E+00			
317		1061.9				
329		2105.9				
343		2273.0				
357		1377.5				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-12501.

USE LOAD STEP 24 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 24 SUBSTEP= 1 CUMULATIVE ITERATION= 24
TIME/FREQUENCY= 24.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 24 SUBSTEP= 1

TIME= 24.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	887.55	0.00000E+00	0.00000E+00	0.00000E+00	-13773.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-48.228				
305		-36.720	0.00000E+00			
317		909.93				
329		2109.7				
343		2274.5				
357		1333.0				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-13797.

USE LOAD STEP 25 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 25 SUBSTEP= 1 CUMULATIVE ITERATION= 25
TIME/FREQUENCY= 25.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 25 SUBSTEP= 1

TIME= 25.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1103.9	0.00000E+00	0.00000E+00	0.00000E+00	-14997.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-37.096				
305		-45.377	0.00000E+00			
317		759.81				
329		2106.4				
343		2278.8				
357		1263.3				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-15021.

USE LOAD STEP 26 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 26 SUBSTEP= 1 CUMULATIVE ITERATION= 26
TIME/FREQUENCY= 26.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 26 SUBSTEP= 1

TIME= 26.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1335.1	0.00000E+00	0.00000E+00	0.00000E+00	-16005.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-26.704				
305		-49.258	0.00000E+00			
317		615.07				
329		2093.8				
343		2285.0				
357		1176.7				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

```
TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00 -16029.



USE LOAD STEP    27  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    27  SUBSTEP=     1  CUMULATIVE ITERATION=    27
  TIME/FREQUENCY=  27.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    27  SUBSTEP=     1

  TIME=    27.000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  1569.1      0.00000E+00 0.00000E+00 0.00000E+00 -16563.


   119  0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               -16.870
   305               -49.723     0.00000E+00
   317                474.59
   329                2069.5
   343                2297.1
   357                1086.0
   371                18.794
   385                46.909     0.00000E+00
   399                46.909
   413                18.794
   427                24.984
   441                47.453
   455                47.096     0.00000E+00
   469                22.070
   483                22.172
```

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-16587.

USE LOAD STEP 28 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 28 SUBSTEP= 1 CUMULATIVE ITERATION= 28
TIME/FREQUENCY= 28.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 28 SUBSTEP= 1

TIME= 28.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1793.2	0.00000E+00	0.00000E+00	0.00000E+00	-16425.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-8.5476				
305		-48.047	0.00000E+00			
317		353.44				
329		2026.7				
343		2306.8				
357		1006.1				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				

413		18.794				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-16449.

USE LOAD STEP 29 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 29 SUBSTEP= 1 CUMULATIVE ITERATION= 29
TIME/FREQUENCY= 29.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 29 SUBSTEP= 1

TIME= 29.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1994.7	0.00000E+00	0.00000E+00	0.00000E+00	-15328.
119	0.00000E+00	41.645	0.00000E+00	0.00000E+00	0.00000E+00	-24.690
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		-1.0541				
305		-45.058	0.00000E+00			
317		242.74				

```
   329              1966.3
   343              2323.2
   357              948.86
   371              18.794
   385              46.909      0.00000E+00
   399              46.909
   413              18.794
   427              24.984
   441              47.453
   455              47.096      0.00000E+00
   469              22.070
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136      0.00000E+00
   539              7.7416

 TOTAL VALUES
 VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00 -15352.



 USE LOAD STEP     30  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     30  SUBSTEP=      1  CUMULATIVE ITERATION=     30
   TIME/FREQUENCY=  30.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     30  SUBSTEP=      1

   TIME=     30.000       LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE       FX           FY           FZ           MX           MY           MZ

     65   0.00000E+00  2161.9      0.00000E+00 0.00000E+00 0.00000E+00 -13024.


    119   0.00000E+00  41.645      0.00000E+00 0.00000E+00 0.00000E+00 -24.690
```

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               4.7825
   305              -41.351     0.00000E+00
   317               155.00
   329               1883.7
   343               2338.6
   357               927.10
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -13048.



USE LOAD STEP    31  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    31  SUBSTEP=     1  CUMULATIVE ITERATION=    31
  TIME/FREQUENCY=  31.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    31  SUBSTEP=     1

  TIME=    31.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ
```

```
    65  0.00000E+00  2282.7     0.00000E+00 0.00000E+00 0.00000E+00 -9255.8

   119  0.00000E+00  41.645     0.00000E+00 0.00000E+00 0.00000E+00 -24.690

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               9.4504
   305              -37.152     0.00000E+00
   317               83.489
   329               1782.8
   343               2355.3
   357               953.19
   371               18.794
   385               46.909     0.00000E+00
   399               46.909
   413               18.794
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -9279.7



USE LOAD STEP    32  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    32  SUBSTEP=     1  CUMULATIVE ITERATION=    32
  TIME/FREQUENCY=  32.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    32  SUBSTEP=     1

  TIME=    32.000      LOAD CASE=   0
```

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2343.2	0.00000E+00	0.00000E+00	0.00000E+00	-4807.8
119	0.00000E+00	41.697	0.00000E+00	0.00000E+00	0.00000E+00	-24.699
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		13.056				
305		-32.558	0.00000E+00			
317		26.775				
329		1666.5				
343		2370.4				
357		1018.3				
371		40.036				
385		50.510	0.00000E+00			
399		45.972				
413		18.763				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-4831.8

USE LOAD STEP 33 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 33 SUBSTEP= 1 CUMULATIVE ITERATION= 33
TIME/FREQUENCY= 33.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 33 SUBSTEP= 1

TIME= 33.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2341.5	0.00000E+00	0.00000E+00	0.00000E+00	-444.81
119	0.00000E+00	41.838	0.00000E+00	0.00000E+00	0.00000E+00	-24.505
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		15.706				
305		-27.663	0.00000E+00			
317		-16.577				
329		1538.2				
343		2381.7				
357		1108.3				
371		96.100				
385		61.683	0.00000E+00			
399		43.328				
413		18.654				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-468.55

USE LOAD STEP 34 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 34 SUBSTEP= 1 CUMULATIVE ITERATION= 34

TIME/FREQUENCY= 34.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 34 SUBSTEP= 1

TIME= 34.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2281.7	0.00000E+00	0.00000E+00	0.00000E+00	3078.0
119	0.00000E+00	42.102	0.00000E+00	0.00000E+00	0.00000E+00	-23.790
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		17.510				
305		-22.567	0.00000E+00			
317		-48.020				
329		1401.0				
343		2386.9				
357		1206.1				
371		196.74				
385		84.577	0.00000E+00			
399		38.291				
413		18.414				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	3055.0

USE LOAD STEP 35 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 35 SUBSTEP= 1 CUMULATIVE ITERATION= 35
TIME/FREQUENCY= 35.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 35 SUBSTEP= 1

TIME= 35.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2179.6	0.00000E+00	0.00000E+00	0.00000E+00	5024.6
119	0.00000E+00	42.506	0.00000E+00	0.00000E+00	0.00000E+00	-22.011
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		18.579				
305		-17.371	0.00000E+00			
317		-69.035				
329		1258.1				
343		2384.8				
357		1289.6				
371		344.04				
385		123.71	0.00000E+00			
399		30.342				
413		17.975				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00  5003.4



USE LOAD STEP    36  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    36  SUBSTEP=     1  CUMULATIVE ITERATION=    36
  TIME/FREQUENCY=  36.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    36  SUBSTEP=     1

  TIME=    36.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  2058.9     0.00000E+00 0.00000E+00 0.00000E+00  5704.7


   119  0.00000E+00  43.012     0.00000E+00 0.00000E+00 0.00000E+00 -18.511


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               19.021
   305              -12.151     0.00000E+00
   317              -81.083
   329               1112.1
   343               2375.3
   357               1355.1
   371               515.01
   385               180.19     0.00000E+00
   399               19.984
   413               17.293
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
```

469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	5687.0

USE LOAD STEP 37 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 37 SUBSTEP= 1 CUMULATIVE ITERATION= 37
TIME/FREQUENCY= 37.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 37 SUBSTEP= 1

TIME= 37.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1943.3	0.00000E+00	0.00000E+00	0.00000E+00	5428.0
119	0.00000E+00	43.579	0.00000E+00	0.00000E+00	0.00000E+00	-12.630
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		18.944				
305		-6.9868	0.00000E+00			
317		-85.624				
329		965.78				
343		2358.6				
357		1399.4				
371		686.68				

385	255.10	0.00000E+00				
399	7.7179					
413	16.324					
427	24.984					
441	47.453					
455	47.096	0.00000E+00				
469	22.070					
483	22.172					
497	47.096					
511	42.895					
523	40.924					
535	24.136	0.00000E+00				
539	7.7416					

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	5416.2

USE LOAD STEP 38 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 38 SUBSTEP= 1 CUMULATIVE ITERATION= 38
TIME/FREQUENCY= 38.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 38 SUBSTEP= 1

TIME= 38.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1854.4	0.00000E+00	0.00000E+00	0.00000E+00	4481.1
119	0.00000E+00	44.164	0.00000E+00	0.00000E+00	0.00000E+00	-3.7371
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		18.455				

```
   305              -1.9557      0.00000E+00
   317              -84.120
   329               821.63
   343               2334.7
   357               1418.9
   371               838.32
   385               349.14      0.00000E+00
   399              -5.8776
   413               15.030
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00  4478.1



USE LOAD STEP    39  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    39  SUBSTEP=     1  CUMULATIVE ITERATION=    39
  TIME/FREQUENCY=  39.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    39  SUBSTEP=     1

  TIME=    39.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  1806.4      0.00000E+00 0.00000E+00 0.00000E+00  3057.9
```

```
   119  0.00000E+00  44.711     0.00000E+00 0.00000E+00 0.00000E+00  8.6874

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               17.662
   305               2.8641     0.00000E+00
   317              -78.031
   329               682.30
   343               2303.8
   357               1410.1
   371               958.26
   385               461.27     0.00000E+00
   399              -19.921
   413               13.391
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00  3067.3



USE LOAD STEP    40  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    40  SUBSTEP=     1  CUMULATIVE ITERATION=    40
  TIME/FREQUENCY=  40.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    40  SUBSTEP=     1

  TIME=    40.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1808.2	0.00000E+00	0.00000E+00	0.00000E+00	1326.2
119	0.00000E+00	45.153	0.00000E+00	0.00000E+00	0.00000E+00	25.108
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		16.674				
305		7.3914	0.00000E+00			
317		-68.814				
329		550.50				
343		2265.4				
357		1371.3				
371		1039.3				
385		589.63	0.00000E+00			
399		-33.378				
413		11.400				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	1352.1

USE LOAD STEP 41 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 41 SUBSTEP= 1 CUMULATIVE ITERATION= 41
TIME/FREQUENCY= 41.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 41 SUBSTEP= 1

TIME= 41.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1855.5	0.00000E+00	0.00000E+00	0.00000E+00	-557.92
119	0.00000E+00	45.410	0.00000E+00	0.00000E+00	0.00000E+00	45.880
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		15.597				
305		11.531	0.00000E+00			
317		-57.906				
329		429.31				
343		2217.3				
357		1307.8				
371		1083.5				
385		730.66	0.00000E+00			
399		-44.911				
413		9.0705				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-511.28

USE LOAD STEP 42 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 42 SUBSTEP= 1 CUMULATIVE ITERATION= 42
TIME/FREQUENCY= 42.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 42 SUBSTEP= 1

TIME= 42.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1939.9	0.00000E+00	0.00000E+00	0.00000E+00	-2420.0
119	0.00000E+00	45.400	0.00000E+00	0.00000E+00	0.00000E+00	71.328
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		14.529				
305		15.197	0.00000E+00			
317		-46.606				
329		321.57				
343		2156.7				
357		1227.7				
371		1094.8				
385		880.37	0.00000E+00			
399		-53.106				
413		6.4208				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-2347.9

USE LOAD STEP 43 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 43 SUBSTEP= 1 CUMULATIVE ITERATION= 43
TIME/FREQUENCY= 43.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 43 SUBSTEP= 1

TIME= 43.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2047.8	0.00000E+00	0.00000E+00	0.00000E+00	-3999.0
119	0.00000E+00	45.039	0.00000E+00	0.00000E+00	0.00000E+00	101.78
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		13.528				
305		18.346	0.00000E+00			
317		-35.700				
329		228.70				
343		2081.7				
357		1144.2				
371		1077.4				
385		1034.8	0.00000E+00			
399		-56.550				
413		3.4690				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 7970.5 0.00000E+00 0.00000E+00 0.00000E+00 -3896.5

USE LOAD STEP 44 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 44 SUBSTEP= 1 CUMULATIVE ITERATION= 44
TIME/FREQUENCY= 44.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 44 SUBSTEP= 1

TIME= 44.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2164.8	0.00000E+00	0.00000E+00	0.00000E+00	-5011.4
119	0.00000E+00	44.242	0.00000E+00	0.00000E+00	0.00000E+00	137.56
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		12.632				
305		20.962	0.00000E+00			
317		-25.714				
329		151.30				
343		1991.3				
357		1071.3				
371		1035.6				
385		1189.9	0.00000E+00			
399		-53.829				
413		0.23336				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-4873.0

USE LOAD STEP 45 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 45 SUBSTEP= 1 CUMULATIVE ITERATION= 45
TIME/FREQUENCY= 45.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 45 SUBSTEP= 1

TIME= 45.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2277.2	0.00000E+00	0.00000E+00	0.00000E+00	-5167.7
119	0.00000E+00	42.927	0.00000E+00	0.00000E+00	0.00000E+00	178.99
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		11.839				
305		23.087	0.00000E+00			
317		-16.678				
329		88.165				
343		1886.7				
357		1021.2				
371		973.39				
385		1341.8	0.00000E+00			
399		-43.529				

413		-3.2678				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-4988.0

USE LOAD STEP 46 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 46 SUBSTEP= 1 CUMULATIVE ITERATION= 46
TIME/FREQUENCY= 46.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 46 SUBSTEP= 1

TIME= 46.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2371.2	0.00000E+00	0.00000E+00	0.00000E+00	-4177.6
119	0.00000E+00	41.011	0.00000E+00	0.00000E+00	0.00000E+00	226.40
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		11.140				
305		24.779	0.00000E+00			
317		-8.4959				

329	37.669	
343	1770.1	
357	1005.3	
371	895.02	
385	1486.4	0.00000E+00
399	-24.236	
413	-7.0162	
427	24.984	
441	47.453	
455	47.096	0.00000E+00
469	22.070	
483	22.172	
497	47.096	
511	42.895	
523	40.924	
535	24.136	0.00000E+00
539	7.7416	

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-3950.4

USE LOAD STEP 47 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 47 SUBSTEP= 1 CUMULATIVE ITERATION= 47
TIME/FREQUENCY= 47.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 47 SUBSTEP= 1

TIME= 47.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2433.1	0.00000E+00	0.00000E+00	0.00000E+00	-1750.3
119	0.00000E+00	38.408	0.00000E+00	0.00000E+00	0.00000E+00	280.12

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               10.521
   305               26.092     0.00000E+00
   317              -1.0717
   329              -1.8376
   343               1643.6
   357               1035.2
   371               804.62
   385               1619.7     0.00000E+00
   399               5.4630
   413              -10.994
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -1469.4



USE LOAD STEP    48  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    48  SUBSTEP=     1  CUMULATIVE ITERATION=    48
  TIME/FREQUENCY=  48.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    48  SUBSTEP=     1

  TIME=    48.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
```

```
   65  0.00000E+00  2447.5     0.00000E+00 0.00000E+00 0.00000E+00  1368.5

  119  0.00000E+00  35.089     0.00000E+00 0.00000E+00 0.00000E+00  340.47

  176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

  301               9.9781
  305               27.061     0.00000E+00
  317               5.6589
  329              -31.295
  343               1508.0
  357               1100.9
  371               727.58
  385               1741.4     0.00000E+00
  399               46.045
  413              -15.213
  427               24.984
  441               47.453
  455               47.096     0.00000E+00
  469               22.070
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136     0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00  1709.7


USE LOAD STEP    49  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    49  SUBSTEP=     1  CUMULATIVE ITERATION=    49
  TIME/FREQUENCY=  49.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    49  SUBSTEP=     1

  TIME=    49.000      LOAD CASE=   0
```

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2410.7	0.00000E+00	0.00000E+00	0.00000E+00	4452.3
119	0.00000E+00	31.007	0.00000E+00	0.00000E+00	0.00000E+00	407.97
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		9.5045				
305		27.713	0.00000E+00			
317		11.734				
329		-51.563				
343		1364.8				
357		1187.2				
371		681.65				
385		1851.5	0.00000E+00			
399		98.155				
413		-19.703				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	4861.0

USE LOAD STEP 50 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 50 SUBSTEP= 1 CUMULATIVE ITERATION= 50
TIME/FREQUENCY= 50.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 50 SUBSTEP= 1

TIME= 50.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2325.1	0.00000E+00	0.00000E+00	0.00000E+00	6784.3
119	0.00000E+00	26.111	0.00000E+00	0.00000E+00	0.00000E+00	483.29
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		9.0967				
305		28.079	0.00000E+00			
317		17.180				
329		-63.457				
343		1215.9				
357		1275.9				
371		680.72				
385		1950.1	0.00000E+00			
399		162.52				
413		-24.497				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	7268.3

USE LOAD STEP 51 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 51 SUBSTEP= 1 CUMULATIVE ITERATION= 51

TIME/FREQUENCY= 51.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 51 SUBSTEP= 1

TIME= 51.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2204.8	0.00000E+00	0.00000E+00	0.00000E+00	7666.6
119	0.00000E+00	20.336	0.00000E+00	0.00000E+00	0.00000E+00	567.27
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		8.7529				
305		28.183	0.00000E+00			
317		21.997				
329		-67.709				
343		1063.6				
357		1343.5				
371		731.04				
385		2037.8	0.00000E+00			
399		240.03				
413		-29.647				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	8234.6

USE LOAD STEP 52 SUBSTEP 1 FOR LOAD CASE 0 .

SET COMMAND GOT LOAD STEP= 52 SUBSTEP= 1 CUMULATIVE ITERATION= 52
TIME/FREQUENCY= 52.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 52 SUBSTEP= 1

TIME= 52.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2072.0	0.00000E+00	0.00000E+00	0.00000E+00	7443.8
119	0.00000E+00	13.601	0.00000E+00	0.00000E+00	0.00000E+00	659.94
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		8.4679				
305		28.074	0.00000E+00			
317		26.201				
329		-65.709				
343		911.93				
357		1385.5				
371		813.37				
385		2112.2	0.00000E+00			
399		332.17				
413		-35.101				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

539 7.7416

TOTAL VALUES
VALUE 0.00000E+00 7970.5 0.00000E+00 0.00000E+00 0.00000E+00 8104.5

USE LOAD STEP 53 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 53 SUBSTEP= 1 CUMULATIVE ITERATION= 53
TIME/FREQUENCY= 53.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 53 SUBSTEP= 1

TIME= 53.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1949.0	0.00000E+00	0.00000E+00	0.00000E+00	6446.5
119	0.00000E+00	5.9918	0.00000E+00	0.00000E+00	0.00000E+00	757.37
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		8.2368				
305		27.800	0.00000E+00			
317		29.814				
329		-58.849				
343		764.72				
357		1397.2				
371		906.74				
385		2173.9	0.00000E+00			
399		438.66				
413		-40.505				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			

469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	7204.6

USE LOAD STEP 54 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 54 SUBSTEP= 1 CUMULATIVE ITERATION= 54
TIME/FREQUENCY= 54.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 54 SUBSTEP= 1

TIME= 54.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1856.6	0.00000E+00	0.00000E+00	0.00000E+00	4974.8
119	0.00000E+00	-2.3248	0.00000E+00	0.00000E+00	0.00000E+00	853.68
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		8.0547				
305		27.410	0.00000E+00			
317		32.852				
329		-48.519				
343		625.93				
357		1374.0				
371		991.64				

```
   385              2224.1      0.00000E+00
   399              558.40
   413             -45.349
   427              24.984
   441              47.453
   455              47.096      0.00000E+00
   469              22.070
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136      0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00  5829.2



USE LOAD STEP     55  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     55  SUBSTEP=      1  CUMULATIVE ITERATION=     55
  TIME/FREQUENCY=  55.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     55  SUBSTEP=      1

  TIME=     55.000       LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX          FY          FZ          MX          MY          MZ
    65  0.00000E+00  1808.1      0.00000E+00 0.00000E+00 0.00000E+00  3222.5

   119  0.00000E+00 -11.030      0.00000E+00 0.00000E+00 0.00000E+00  938.94

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.9165
```

305	26.953	0.00000E+00				
317	35.334					
329	-36.109					
343	499.51					
357	1311.2					
371	1055.9					
385	2264.9	0.00000E+00				
399	688.86					
413	-48.797					
427	24.984					
441	47.453					
455	47.096	0.00000E+00				
469	22.070					
483	22.172					
497	47.096					
511	42.895					
523	40.924					
535	24.136	0.00000E+00				
539	7.7416					

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	4162.2

USE LOAD STEP 56 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 56 SUBSTEP= 1 CUMULATIVE ITERATION= 56
TIME/FREQUENCY= 56.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 56 SUBSTEP= 1

TIME= 56.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1811.8	0.00000E+00	0.00000E+00	0.00000E+00	1353.5

```
   119  0.00000E+00 -19.771     0.00000E+00 0.00000E+00 0.00000E+00  1002.2


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               7.8171
   305               26.473     0.00000E+00
   317               37.283
   329              -22.916
   343               388.88
   357               1206.1
   371               1091.3
   385               2298.4     0.00000E+00
   399               827.22
   413              -49.925
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00  2356.4



USE LOAD STEP    57  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    57  SUBSTEP=     1  CUMULATIVE ITERATION=    57
  TIME/FREQUENCY=  57.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    57  SUBSTEP=     1

  TIME=    57.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1863.1	0.00000E+00	0.00000E+00	0.00000E+00	-479.99
119	0.00000E+00	-28.209	0.00000E+00	0.00000E+00	0.00000E+00	1032.4
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7512				
305		26.002	0.00000E+00			
317		38.744				
329		-9.8544				
343		295.58				
357		1062.6				
371		1099.0				
385		2324.8	0.00000E+00			
399		970.95				
413		-47.792				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	553.16

USE LOAD STEP 58 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 58 SUBSTEP= 1 CUMULATIVE ITERATION= 58
TIME/FREQUENCY= 58.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 58 SUBSTEP= 1

TIME= 58.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1952.5	0.00000E+00	0.00000E+00	0.00000E+00	-2108.5
119	0.00000E+00	-36.009	0.00000E+00	0.00000E+00	0.00000E+00	1018.4
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7131				
305		25.566	0.00000E+00			
317		39.768				
329		2.3485				
343		220.17				
357		888.28				
371		1082.2				
385		2344.1	0.00000E+00			
399		1117.6				
413		-41.448				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-1089.3

USE LOAD STEP 59 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 59 SUBSTEP= 1 CUMULATIVE ITERATION= 59
TIME/FREQUENCY= 59.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 59 SUBSTEP= 1

TIME= 59.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2065.2	0.00000E+00	0.00000E+00	0.00000E+00	-3281.9
119	0.00000E+00	-42.835	0.00000E+00	0.00000E+00	0.00000E+00	949.16
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.6969				
305		25.175	0.00000E+00			
317		40.427				
329		13.346				
343		161.27				
357		697.60				
371		1044.0				
385		2356.1	0.00000E+00			
399		1264.7				
413		-29.946				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-2332.0

USE LOAD STEP 60 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 60 SUBSTEP= 1 CUMULATIVE ITERATION= 60
TIME/FREQUENCY= 60.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 60 SUBSTEP= 1

TIME= 60.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2185.2	0.00000E+00	0.00000E+00	0.00000E+00	-3729.7
119	0.00000E+00	-48.354	0.00000E+00	0.00000E+00	0.00000E+00	813.56
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.6966				
305		24.837	0.00000E+00			
317		40.801				
329		22.886				
343		117.06				
357		506.75				
371		987.70				
385		2360.6	0.00000E+00			
399		1409.9				
413		-12.337				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 7970.5 0.00000E+00 0.00000E+00 0.00000E+00 -2915.3

USE LOAD STEP 61 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 61 SUBSTEP= 1 CUMULATIVE ITERATION= 61
TIME/FREQUENCY= 61.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 61 SUBSTEP= 1

TIME= 61.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2296.3	0.00000E+00	0.00000E+00	0.00000E+00	-3181.4
119	0.00000E+00	-52.230	0.00000E+00	0.00000E+00	0.00000E+00	600.51
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7062				
305		24.562	0.00000E+00			
317		40.965				
329		30.716				
343		85.679				
357		331.92				
371		916.53				
385		2357.6	0.00000E+00			
399		1550.7				
413		12.328				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				

```
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00 -2580.2



USE LOAD STEP    62  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    62  SUBSTEP=     1  CUMULATIVE ITERATION=    62
  TIME/FREQUENCY=  62.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    62  SUBSTEP=     1

  TIME=    62.000       LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  2382.4      0.00000E+00 0.00000E+00 0.00000E+00 -1366.8


   119  0.00000E+00 -54.127      0.00000E+00 0.00000E+00 0.00000E+00  298.91


   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               7.7196
   305               24.356      0.00000E+00
   317               40.997
   329               36.586
   343               65.285
   357               189.30
   371               833.69
   385               2347.0      0.00000E+00
   399               1684.5
```

```
   413               44.995
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -1067.1



USE LOAD STEP    63  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    63  SUBSTEP=     1  CUMULATIVE ITERATION=    63
  TIME/FREQUENCY=  63.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    63  SUBSTEP=     1

  TIME=    63.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  2427.5     0.00000E+00 0.00000E+00 0.00000E+00  1984.7


   119  0.00000E+00 -53.711     0.00000E+00 0.00000E+00 0.00000E+00 -102.33


   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               7.7309
   305               24.228     0.00000E+00
   317               40.975
```

```
   329              40.242
   343              54.032
   357              95.096
   371              742.43
   385              2328.5      0.00000E+00
   399              1809.1
   413              86.614
   427              24.984
   441              47.453
   455              47.096      0.00000E+00
   469              22.070
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136      0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00  1883.1



USE LOAD STEP     64  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     64  SUBSTEP=      1  CUMULATIVE ITERATION=     64
  TIME/FREQUENCY=  64.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     64  SUBSTEP=      1

  TIME=     64.000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  2413.5      0.00000E+00 0.00000E+00 0.00000E+00  6107.2


   119  0.00000E+00 -50.596      0.00000E+00 0.00000E+00 0.00000E+00 -614.32
```

```
   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330


   301               7.7381
   305               24.162     0.00000E+00
   317               40.945
   329               42.133
   343               48.867
   357               43.944
   371               667.20
   385               2305.7     0.00000E+00
   399               1921.0
   413               138.10
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00  5493.6


EXIT THE ANSYS POST1 DATABASE PROCESSOR


***** ROUTINE COMPLETED *****  CP =       132.120


***** END OF INPUT ENCOUNTERED *****

PURGE ALL SOLUTION AND POST DATA
SAVE ALL MODEL DATA

ALL CURRENT ANSYS DATA WRITTEN TO FILE NAME= file.db
 FOR POSSIBLE RESUME FROM THIS POINT


NUMBER OF WARNING MESSAGES ENCOUNTERED=          0
NUMBER OF ERROR   MESSAGES ENCOUNTERED=          0
```

```
COMPUTER FILE NAME : R3NS2.IN  (Output File : R3NS2.OUT )
/title,monorail, basin side, load every 6 inches.
!         *** load case 1 to 65 starting from node 65 to 131 *****
!      *** Three hoist @ 4 ft. center to center, FILE R3NS2.IN ******
et,1,4
et,2,1,
!
r,1,3.61,21.8,1.8,3,1.65,
r,2,.309,
ex,1,29e6
dens,1,.00073386
nuxy,1,.3
!
n,1,,,,
n,2,3,
ngen,8,2,1,2,1,6
n,17,48.25,,,
n,18,51.25,,,
ngen,6,2,17,18,1,6
n,29,84.5,,,
n,30,87.5,,
ngen,97,2,29,30,1,6
n,223,666.75,,,
n,224,669.75,,,
ngen,6,2,223,224,1,6
n,235,703,,
n,236,706,,
ngen,2,2,235,236,1,6
n,239,715,,
n,301,,22,,
n,305,12,22,,
n,317,48.25,22,,
n,329,84.5,22,,
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n,357,168.5,22,
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n,511,630.5,22,,
n,523,666.75,22,,
n,535,703,22,,
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type,1
real,1
e,1,2
egen,238,1,-1
mat,1
real,2
type,2
e,1,301
e,5,305
e,17,317
e,29,329
e,43,343
e,57,357
e,71,371
e,85,385
e,99,399
e,113,413
e,127,427
e,141,441
e,155,455
e,169,469
e,183,483
e,197,497
e,211,511
e,223,523
e,235,535
e,239,539
!
d,329,uy,,,511,14,,
d,301,uy
d,305,uy,,,317,12,,
d,523,uy,,,535,12,
d,539,uy
d,305,uz
d,385,uz
d,455,uz
d,535,uz
d,65,all
d,119,all
d,176,all
!
nlist,all
elist,all
dlist,all
finish
!
/solu
```

```
antyp,0
stat
acel,,386.4,,
f,65,fy,-1200,,67,2
f,81,fy,-1200,,83,2
f,97,fy,-1200,,99,2
lswrite,1
fdele,all
f,66,fy,-1200,,68,2
f,82,fy,-1200,,84,2
f,98,fy,-1200,,100,2
lswrite,2
fdele,all
f,67,fy,-1200,,69,2
f,83,fy,-1200,,85,2
f,99,fy,-1200,,101,2
lswrite,3
fdele,all
f,68,fy,-1200,,70,2
f,84,fy,-1200,,86,2
f,100,fy,-1200,,102,2
lswrite,4
fdele,all
f,69,fy,-1200,,71,2
f,85,fy,-1200,,87,2
f,101,fy,-1200,,103,2
lswrite,5
fdele,all
f,70,fy,-1200,,72,2
f,86,fy,-1200,,88,2
f,102,fy,-1200,,104,2
lswrite,6
fdele,all
f,71,fy,-1200,,73,2
f,87,fy,-1200,,89,2
f,103,fy,-1200,,105,2
lswrite,7
fdele,all
f,72,fy,-1200,,74,2
f,88,fy,-1200,,90,2
f,104,fy,-1200,,106,2
lswrite,8
fdele,all
f,73,fy,-1200,,75,2
f,89,fy,-1200,,91,2
f,105,fy,-1200,,107,2
lswrite,9
fdele,all
f,74,fy,-1200,,76,2
f,90,fy,-1200,,92,2
```

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f,106,fy,-1200,,108,2
lswrite,10
fdele,all
f,75,fy,-1200,,77,2
f,91,fy,-1200,,93,2
f,107,fy,-1200,,109,2
lswrite,11
fdele,all
f,76,fy,-1200,,78,2
f,92,fy,-1200,,94,2
f,108,fy,-1200,,110,2
lswrite,12
fdele,all
f,77,fy,-1200,,79,2
f,93,fy,-1200,,95,2
f,109,fy,-1200,,111,2
lswrite,13
fdele,all
f,78,fy,-1200,,80,2
f,94,fy,-1200,,96,2
f,110,fy,-1200,,112,2
lswrite,14
fdele,all
f,79,fy,-1200,,81,2
f,95,fy,-1200,,97,2
f,111,fy,-1200,,113,2
lswrite,15
fdele,all
f,80,fy,-1200,,82,2
f,96,fy,-1200,,98,2
f,112,fy,-1200,,114,2
lswrite,16
fdele,all
f,81,fy,-1200,,83,2
f,97,fy,-1200,,99,2
f,113,fy,-1200,,115,2
lswrite,17
fdele,all
f,82,fy,-1200,,84,2
f,98,fy,-1200,,100,2
f,114,fy,-1200,,116,2
lswrite,18
fdele,all
f,83,fy,-1200,,85,2
f,99,fy,-1200,,101,2
f,115,fy,-1200,,117,2
lswrite,19
fdele,all
f,84,fy,-1200,,86,2
f,100,fy,-1200,,102,2
```

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f,116,fy,-1200,,118,2
lswrite,20
fdele,all
f,85,fy,-1200,,87,2
f,101,fy,-1200,,103,2
f,117,fy,-1200,,119,2
lswrite,21
fdele,all
f,86,fy,-1200,,88,2
f,102,fy,-1200,,104,2
f,118,fy,-1200,,120,2
lswrite,22
fdele,all
f,87,fy,-1200,,89,2
f,103,fy,-1200,,105,2
f,119,fy,-1200,,121,2
lswrite,23
fdele,all
f,88,fy,-1200,,90,2
f,104,fy,-1200,,106,2
f,120,fy,-1200,,122,2
lswrite,24
fdele,all
f,89,fy,-1200,,91,2
f,105,fy,-1200,,107,2
f,121,fy,-1200,,123,2
lswrite,25
fdele,all
f,90,fy,-1200,,92,2
f,106,fy,-1200,,108,2
f,122,fy,-1200,,124,2
lswrite,26
fdele,all
f,91,fy,-1200,,93,2
f,107,fy,-1200,,109,2
f,123,fy,-1200,,125,2
lswrite,27
fdele,all
f,92,fy,-1200,,94,2
f,108,fy,-1200,,110,2
f,124,fy,-1200,,126,2
lswrite,28
fdele,all
f,93,fy,-1200,,95,2
f,109,fy,-1200,,111,2
f,125,fy,-1200,,127,2
lswrite,29
fdele,all
f,94,fy,-1200,,96,2
f,110,fy,-1200,,112,2
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f,126,fy,-1200,,128,2
lswrite,30
fdele,all
f,95,fy,-1200,,97,2
f,111,fy,-1200,,113,2
f,127,fy,-1200,,129,2
lswrite,31
fdele,all
f,96,fy,-1200,,98,2
f,112,fy,-1200,,114,2
f,128,fy,-1200,,130,2
lswrite,32
fdele,all
f,97,fy,-1200,,99,2
f,113,fy,-1200,,115,2
f,129,fy,-1200,,131,2
lswrite,33
fdele,all
f,98,fy,-1200,,100,2
f,114,fy,-1200,,116,2
f,130,fy,-1200,,132,2
lswrite,34
fdele,all
f,99,fy,-1200,,101,2
f,115,fy,-1200,,117,2
f,131,fy,-1200,,133,2
lswrite,35
fdele,all
f,100,fy,-1200,,102,2
f,116,fy,-1200,,118,2
f,132,fy,-1200,,134,2
lswrite,36
fdele,all
f,101,fy,-1200,,103,2
f,117,fy,-1200,,119,2
f,133,fy,-1200,,135,2
lswrite,37
fdele,all
f,102,fy,-1200,,104,2
f,118,fy,-1200,,120,2
f,134,fy,-1200,,136,2
lswrite,38
fdele,all
f,103,fy,-1200,,105,2
f,119,fy,-1200,,121,2
f,135,fy,-1200,,137,2
lswrite,39
fdele,all
f,104,fy,-1200,,106,2
f,120,fy,-1200,,122,2
```

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f,136,fy,-1200,,138,2
lswrite,40
fdele,all
f,105,fy,-1200,,107,2
f,121,fy,-1200,,123,2
f,137,fy,-1200,,139,2
lswrite,41
fdele,all
f,106,fy,-1200,,108,2
f,122,fy,-1200,,124,2
f,138,fy,-1200,,140,2
lswrite,42
fdele,all
f,107,fy,-1200,,109,2
f,123,fy,-1200,,125,2
f,139,fy,-1200,,141,2
lswrite,43
fdele,all
f,108,fy,-1200,,110,2
f,124,fy,-1200,,126,2
f,140,fy,-1200,,142,2
lswrite,44
fdele,all
f,109,fy,-1200,,111,2
f,125,fy,-1200,,127,2
f,141,fy,-1200,,143,2
lswrite,45
fdele,all
f,110,fy,-1200,,112,2
f,126,fy,-1200,,128,2
f,142,fy,-1200,,144,2
lswrite,46
fdele,all
f,111,fy,-1200,,113,2
f,127,fy,-1200,,129,2
f,143,fy,-1200,,145,2
lswrite,47
fdele,all
f,112,fy,-1200,,114,2
f,128,fy,-1200,,130,2
f,144,fy,-1200,,146,2
lswrite,48
fdele,all
f,113,fy,-1200,,115,2
f,129,fy,-1200,,131,2
f,145,fy,-1200,,147,2
lswrite,49
fdele,all
f,114,fy,-1200,,116,2
f,130,fy,-1200,,132,2
```

```
f,146,fy,-1200,,148,2
lswrite,50
fdele,all
f,115,fy,-1200,,117,2
f,131,fy,-1200,,133,2
f,147,fy,-1200,,149,2
lswrite,51
fdele,all
f,116,fy,-1200,,118,2
f,132,fy,-1200,,134,2
f,148,fy,-1200,,150,2
lswrite,52
fdele,all
f,117,fy,-1200,,119,2,
f,133,fy,-1200,,135,2
f,149,fy,-1200,,151,2
lswrite,53
fdele,all
f,118,fy,-1200,,120,2
f,134,fy,-1200,,136,2
f,150,fy,-1200,,152,2
lswrite,54
fdele,all
f,119,fy,-1200,,121,2
f,135,fy,-1200,,137,2
f,151,fy,-1200,,153,2
lswrite,55
fdele,all
f,120,fy,-1200,,122,2
f,136,fy,-1200,,138,2
f,152,fy,-1200,,154,2
lswrite,56
fdele,all
f,121,fy,-1200,,123,2
f,137,fy,-1200,,139,2
f,153,fy,-1200,,155,2
lswrite,57
fdele,all
f,122,fy,-1200,,124,2
f,138,fy,-1200,,140,2
f,154,fy,-1200,,156,2
lswrite,58
fdele,all
f,123,fy,-1200,,125,2
f,139,fy,-1200,,141,2
f,155,fy,-1200,,157,2
lswrite,59
fdele,all
f,124,fy,-1200,,126,2
f,140,fy,-1200,,142,2
```

```
f,156,fy,-1200,,158,2
lswrite,60
fdele,all
f,125,fy,-1200,,127,2
f,141,fy,-1200,,143,2
f,157,fy,-1200,,159,2
lswrite,61
fdele,all
f,126,fy,-1200,,128,2
f,142,fy,-1200,,144,2
f,158,fy,-1200,,160,2
lswrite,62
fdele,all
f,127,fy,-1200,,129,2
f,143,fy,-1200,,145,2
f,159,fy,-1200,,161,2
lswrite,63
fdele,all
f,128,fy,-1200,,130,2
f,144,fy,-1200,,146,2
f,160,fy,-1200,,162,2
lswrite,64
fdele,all
f,129,fy,-1200,,131,2
f,145,fy,-1200,,147,2
f,161,fy,-1200,,163,2
lswrite,65
fdele,all
!
lssolve,1,65,1
finish
/post1
/output,r3ns2,out
set,1,1
prrsol
set,2,1
prrsol
set,3,1
prrsol
set,4,1
prrsol
set,5,1
prrsol
!
set,6,1
prrsol
set,7,1
prrsol
set,8,1
prrsol
```

```
set,9,1
prrsol
set,10,1
prrsol
!
set,11,1
prrsol
set,12,1
prrsol
set,13,1
prrsol
set,14,1
prrsol
set,15,1
prrsol
!
set,16,1
prrsol
set,17,1
prrsol
set,18,1
prrsol
set,19,1
prrsol
set,20,1
prrsol
!
set,21,1
prrsol
set,22,1
prrsol
set,23,1
prrsol
set,24,1
prrsol
set,25,1
prrsol
!
set,26,1
prrsol
set,27,1
prrsol
set,28,1
prrsol
set,29,1
prrsol
set,30,1
prrsol
!
set,31,1
```

```
prrsol
set,32,1
prrsol
set,33,1
prrsol
set,34,1
prrsol
set,35,1
prrsol
!
set,36,1
prrsol
set,37,1
prrsol
set,38,1
prrsol
!
set,39,1
prrsol
set,40,1
prrsol
set,41,1
prrsol
set,42,1
prrsol
set,43,1
prrsol
!
set,44,1
prrsol
set,45,1
prrsol
set,46,1
prrsol
set,47,1
prrsol
set,48,1
prrsol
!
set,49,1
prrsol
set,50,1
prrsol
set,51,1
prrsol
set,52,1
prrsol
set,53,1
prrsol
!
```

```
set,54,1
prrsol
set,55,1
prrsol
set,56,1
prrsol
set,57,1
prrsol
set,58,1
prrsol
set,59,1
prrsol
!
set,60,1
prrsol
set,61,1
prrsol
set,62,1
prrsol
set,63,1
prrsol
set,64,1
prrsol
finish
```

COMPUTER FILE : R3NS2.OUT Input file : R3NS2.IN

USE LOAD STEP 1 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 1 SUBSTEP= 1 CUMULATIVE ITERATION= 1
TIME/FREQUENCY= 1.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 1 SUBSTEP= 1

TIME= 1.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2334.5	0.00000E+00	0.00000E+00	0.00000E+00	10254.
119	0.00000E+00	-44.408	0.00000E+00	0.00000E+00	0.00000E+00	-1247.9
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		624.82				
385		2282.4	0.00000E+00			
399		2017.0				
413		200.36				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 7970.5 0.00000E+00 0.00000E+00 0.00000E+00 9006.9

USE LOAD STEP 2 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 2 SUBSTEP= 1 CUMULATIVE ITERATION= 2
TIME/FREQUENCY= 2.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 2 SUBSTEP= 1

TIME= 2.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	2190.3	0.00000E+00	0.00000E+00	0.00000E+00	13689.
119	0.00000E+00	-34.688	0.00000E+00	0.00000E+00	0.00000E+00	-2010.5
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		628.33				
385		2262.3	0.00000E+00			
399		2094.6				
413		273.86				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	11680.

USE LOAD STEP 3 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 3 SUBSTEP= 1 CUMULATIVE ITERATION= 3
TIME/FREQUENCY= 3.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 3 SUBSTEP= 1

TIME= 3.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1993.0	0.00000E+00	0.00000E+00	0.00000E+00	15700.
119	0.00000E+00	-20.624	0.00000E+00	0.00000E+00	0.00000E+00	-2894.9
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		683.42				
385		2247.5	0.00000E+00			
399		2154.1				
413		357.36				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				

```
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00  12806.


USE LOAD STEP     4  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     4  SUBSTEP=     1  CUMULATIVE ITERATION=     4
  TIME/FREQUENCY=  4.0000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     4  SUBSTEP=     1

  TIME=    4.0000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  1762.4      0.00000E+00 0.00000E+00 0.00000E+00  16617.

   119  0.00000E+00 -1.2382      0.00000E+00 0.00000E+00 0.00000E+00 -3888.0

   176  0.00000E+00  41.165      0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               770.46
   385               2236.5      0.00000E+00
   399               2197.7
   413               448.88
   427               24.984
   441               47.453
   455               47.096      0.00000E+00
   469               22.070
   483               22.172
```

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	12730.

USE LOAD STEP 5 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 5 SUBSTEP= 1 CUMULATIVE ITERATION= 5
TIME/FREQUENCY= 5.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 5 SUBSTEP= 1

TIME= 5.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1519.0	0.00000E+00	0.00000E+00	0.00000E+00	16762.
119	0.00000E+00	24.983	0.00000E+00	0.00000E+00	0.00000E+00	-4966.6
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		868.39				
385		2228.8	0.00000E+00			
399		2228.5				
413		545.04				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			

469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	11796.

USE LOAD STEP 6 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 6 SUBSTEP= 1 CUMULATIVE ITERATION= 6
TIME/FREQUENCY= 6.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 6 SUBSTEP= 1

TIME= 6.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1281.6	0.00000E+00	0.00000E+00	0.00000E+00	16426.
119	0.00000E+00	59.725	0.00000E+00	0.00000E+00	0.00000E+00	-6105.9
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		957.66				
385		2224.2	0.00000E+00			
399		2249.3				
413		642.20				
427		24.984				

441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	10321.

USE LOAD STEP 7 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 7 SUBSTEP= 1 CUMULATIVE ITERATION= 7
TIME/FREQUENCY= 7.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 7 SUBSTEP= 1

TIME= 7.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	1061.6	0.00000E+00	0.00000E+00	0.00000E+00	15795.
119	0.00000E+00	104.82	0.00000E+00	0.00000E+00	0.00000E+00	-7285.1
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		1026.1				
385		2223.5	0.00000E+00			
399		2261.7				

413		737.03				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	8510.4

USE LOAD STEP 8 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 8 SUBSTEP= 1 CUMULATIVE ITERATION= 8
TIME/FREQUENCY= 8.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 8 SUBSTEP= 1

TIME= 8.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	866.79	0.00000E+00	0.00000E+00	0.00000E+00	15004.
119	0.00000E+00	162.15	0.00000E+00	0.00000E+00	0.00000E+00	-8484.3
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		1065.5				

385		2227.3	0.00000E+00			
399		2266.7				
413		826.30				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	6520.1

USE LOAD STEP 9 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 9 SUBSTEP= 1 CUMULATIVE ITERATION= 9
TIME/FREQUENCY= 9.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 9 SUBSTEP= 1

TIME= 9.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	697.15	0.00000E+00	0.00000E+00	0.00000E+00	14095.
119	0.00000E+00	233.56	0.00000E+00	0.00000E+00	0.00000E+00	-9684.1
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

357		25.094				
371		1077.0				
385		2234.4	0.00000E+00			
399		2265.8				
413		906.80				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	4412.1

USE LOAD STEP 10 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 10 SUBSTEP= 1 CUMULATIVE ITERATION= 10
TIME/FREQUENCY= 10.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 10 SUBSTEP= 1

TIME= 10.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	550.86	0.00000E+00	0.00000E+00	0.00000E+00	13090.
119	0.00000E+00	320.92	0.00000E+00	0.00000E+00	0.00000E+00	-10865.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				

329		42.791				
343		47.350				
357		25.094				
371		1063.6				
385		2243.4	0.00000E+00			
399		2260.6				
413		975.33				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	2225.7

USE LOAD STEP 11 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 11 SUBSTEP= 1 CUMULATIVE ITERATION= 11
TIME/FREQUENCY= 11.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 11 SUBSTEP= 1

TIME= 11.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	426.07	0.00000E+00	0.00000E+00	0.00000E+00	12006.
119	0.00000E+00	426.06	0.00000E+00	0.00000E+00	0.00000E+00	-12007.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				

305	24.140	0.00000E+00
317	40.926	
329	42.791	
343	47.350	
357	25.094	
371	1028.7	
385	2252.6	0.00000E+00
399	2252.6	
413	1028.7	
427	24.984	
441	47.453	
455	47.096	0.00000E+00
469	22.070	
483	22.172	
497	47.096	
511	42.895	
523	40.924	
535	24.136	0.00000E+00
539	7.7416	

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	0.14243

USE LOAD STEP 12 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 12 SUBSTEP= 1 CUMULATIVE ITERATION= 12
TIME/FREQUENCY= 12.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 12 SUBSTEP= 1

TIME= 12.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	320.92	0.00000E+00	0.00000E+00	0.00000E+00	10864.
119	0.00000E+00	550.85	0.00000E+00	0.00000E+00	0.00000E+00	-13090.

```
  176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

  301               7.7411
  305               24.140     0.00000E+00
  317               40.926
  329               42.791
  343               47.350
  357               25.094
  371               975.33
  385               2260.6     0.00000E+00
  399               2243.4
  413               1063.6
  427               24.984
  441               47.453
  455               47.096     0.00000E+00
  469               22.070
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136     0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -2225.4


USE LOAD STEP    13  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    13  SUBSTEP=     1  CUMULATIVE ITERATION=    13
  TIME/FREQUENCY=  13.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    13  SUBSTEP=     1

  TIME=    13.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  233.57     0.00000E+00 0.00000E+00 0.00000E+00  9683.5
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   119  0.00000E+00  697.14     0.00000E+00 0.00000E+00 0.00000E+00 -14096.

   176  0.00000E+00  41.165     0.00000E+00 0.00000E+00 0.00000E+00 0.76330

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371               906.80
   385               2265.8     0.00000E+00
   399               2234.4
   413               1077.0
   427               24.984
   441               47.453
   455               47.096     0.00000E+00
   469               22.070
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -4411.8


USE LOAD STEP    14  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    14  SUBSTEP=     1  CUMULATIVE ITERATION=    14
  TIME/FREQUENCY=  14.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    14  SUBSTEP=     1

  TIME=    14.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ
```

65	0.00000E+00	162.15	0.00000E+00	0.00000E+00	0.00000E+00	8483.7
119	0.00000E+00	866.79	0.00000E+00	0.00000E+00	0.00000E+00	-15004.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		826.30				
385		2266.7	0.00000E+00			
399		2227.3				
413		1065.5				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-6519.8

USE LOAD STEP 15 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 15 SUBSTEP= 1 CUMULATIVE ITERATION= 15
TIME/FREQUENCY= 15.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 15 SUBSTEP= 1

TIME= 15.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	104.83	0.00000E+00	0.00000E+00	0.00000E+00	7284.4
119	0.00000E+00	1061.6	0.00000E+00	0.00000E+00	0.00000E+00	-15795.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		737.03				
385		2261.7	0.00000E+00			
399		2223.5				
413		1026.1				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-8510.1

USE LOAD STEP 16 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 16 SUBSTEP= 1 CUMULATIVE ITERATION= 16
TIME/FREQUENCY= 16.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 16 SUBSTEP= 1

TIME= 16.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	59.728	0.00000E+00	0.00000E+00	0.00000E+00	6105.3
119	0.00000E+00	1281.6	0.00000E+00	0.00000E+00	0.00000E+00	-16426.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		642.20				
385		2249.3	0.00000E+00			
399		2224.2				
413		957.66				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-10320.

USE LOAD STEP 17 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 17 SUBSTEP= 1 CUMULATIVE ITERATION= 17
TIME/FREQUENCY= 17.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 17 SUBSTEP= 1

TIME= 17.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	24.986	0.00000E+00	0.00000E+00	0.00000E+00	4966.0
119	0.00000E+00	1519.0	0.00000E+00	0.00000E+00	0.00000E+00	-16762.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		545.04				
385		2228.5	0.00000E+00			
399		2228.8				
413		868.39				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-11795.

USE LOAD STEP 18 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 18 SUBSTEP= 1 CUMULATIVE ITERATION= 18
TIME/FREQUENCY= 18.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 18 SUBSTEP= 1

TIME= 18.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-1.2352	0.00000E+00	0.00000E+00	0.00000E+00	3887.4
119	0.00000E+00	1762.4	0.00000E+00	0.00000E+00	0.00000E+00	-16618.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		448.88				
385		2197.7	0.00000E+00			
399		2236.5				
413		770.46				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-12729.

USE LOAD STEP 19 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 19 SUBSTEP= 1 CUMULATIVE ITERATION= 19
TIME/FREQUENCY= 19.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 19 SUBSTEP= 1

TIME= 19.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-20.621	0.00000E+00	0.00000E+00	0.00000E+00	2894.2
119	0.00000E+00	1993.0	0.00000E+00	0.00000E+00	0.00000E+00	-15701.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		357.36				
385		2154.1	0.00000E+00			
399		2247.5				
413		683.42				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-12806.

USE LOAD STEP 20 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 20 SUBSTEP= 1 CUMULATIVE ITERATION= 20
TIME/FREQUENCY= 20.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 20 SUBSTEP= 1

TIME= 20.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-34.685	0.00000E+00	0.00000E+00	0.00000E+00	2009.8
119	0.00000E+00	2190.3	0.00000E+00	0.00000E+00	0.00000E+00	-13690.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		273.86				
385		2094.6	0.00000E+00			
399		2262.3				
413		628.33				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-11679.

USE LOAD STEP 21 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 21 SUBSTEP= 1 CUMULATIVE ITERATION= 21

TIME/FREQUENCY= 21.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 21 SUBSTEP= 1

TIME= 21.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-44.405	0.00000E+00	0.00000E+00	0.00000E+00	1247.3
119	0.00000E+00	2334.5	0.00000E+00	0.00000E+00	0.00000E+00	-10255.
176	0.00000E+00	41.165	0.00000E+00	0.00000E+00	0.00000E+00	0.76330
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		200.36				
385		2017.0	0.00000E+00			
399		2282.4				
413		624.82				
427		24.984				
441		47.453				
455		47.096	0.00000E+00			
469		22.070				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-9006.6

USE LOAD STEP 22 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 22 SUBSTEP= 1 CUMULATIVE ITERATION= 22
TIME/FREQUENCY= 22.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 22 SUBSTEP= 1

TIME= 22.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-50.593	0.00000E+00	0.00000E+00	0.00000E+00	613.70
119	0.00000E+00	2413.5	0.00000E+00	0.00000E+00	0.00000E+00	-6107.8
176	0.00000E+00	41.202	0.00000E+00	0.00000E+00	0.00000E+00	0.49471
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		138.10				
385		1921.0	0.00000E+00			
399		2305.7				
413		667.20				
427		43.833				
441		48.971				
455		46.437	0.00000E+00			
469		22.071				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-5493.6

USE LOAD STEP 23 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 23 SUBSTEP= 1 CUMULATIVE ITERATION= 23
TIME/FREQUENCY= 23.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 23 SUBSTEP= 1

TIME= 23.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-53.708	0.00000E+00	0.00000E+00	0.00000E+00	101.71
119	0.00000E+00	2427.5	0.00000E+00	0.00000E+00	0.00000E+00	-1985.3
176	0.00000E+00	41.307	0.00000E+00	0.00000E+00	0.00000E+00	-0.14370
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		86.614				
385		1809.1	0.00000E+00			
399		2328.5				
413		742.43				
427		94.985				
441		54.140				
455		44.540	0.00000E+00			
469		22.057				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-1883.7

USE LOAD STEP 24 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 24 SUBSTEP= 1 CUMULATIVE ITERATION= 24
TIME/FREQUENCY= 24.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 24 SUBSTEP= 1

TIME= 24.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-54.124	0.00000E+00	0.00000E+00	0.00000E+00	-299.53
119	0.00000E+00	2382.4	0.00000E+00	0.00000E+00	0.00000E+00	1366.2
176	0.00000E+00	41.509	0.00000E+00	0.00000E+00	0.00000E+00	-1.1694
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		44.995				
385		1684.5	0.00000E+00			
399		2347.0				
413		833.69				
427		189.19				
441		65.400				
455		40.868	0.00000E+00			
469		22.002				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE 0.00000E+00 7970.5 0.00000E+00 0.00000E+00 0.00000E+00 1065.5

USE LOAD STEP 25 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 25 SUBSTEP= 1 CUMULATIVE ITERATION= 25
TIME/FREQUENCY= 25.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 25 SUBSTEP= 1

TIME= 25.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-52.226	0.00000E+00	0.00000E+00	0.00000E+00	-601.13
119	0.00000E+00	2296.3	0.00000E+00	0.00000E+00	0.00000E+00	3180.8
176	0.00000E+00	41.831	0.00000E+00	0.00000E+00	0.00000E+00	-2.4327
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		12.328				
385		1550.7	0.00000E+00			
399		2357.6				
413		916.53				
427		331.81				
441		85.808				
455		34.965	0.00000E+00			
469		21.862				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 7970.5 0.00000E+00 0.00000E+00 0.00000E+00 2577.2

USE LOAD STEP 26 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 26 SUBSTEP= 1 CUMULATIVE ITERATION= 26
TIME/FREQUENCY= 26.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 26 SUBSTEP= 1

TIME= 26.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-48.351	0.00000E+00	0.00000E+00	0.00000E+00	-814.19
119	0.00000E+00	2185.2	0.00000E+00	0.00000E+00	0.00000E+00	3729.0
176	0.00000E+00	42.255	0.00000E+00	0.00000E+00	0.00000E+00	-3.4312
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-12.337				
385		1409.9	0.00000E+00			
399		2360.6				
413		987.70				
427		506.64				
441		117.21				
455		27.072	0.00000E+00			
469		21.581				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

```
   539              7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00  2911.4


USE LOAD STEP     27  SUBSTEP      1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     27  SUBSTEP=      1  CUMULATIVE ITERATION=     27
  TIME/FREQUENCY=  27.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     27  SUBSTEP=      1

  TIME=     27.000       LOAD CASE=    0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -42.832      0.00000E+00 0.00000E+00 0.00000E+00 -949.79

   119  0.00000E+00  2065.2      0.00000E+00 0.00000E+00 0.00000E+00  3281.2

   176  0.00000E+00  42.766      0.00000E+00 0.00000E+00 0.00000E+00 -3.6630

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -29.946
   385               1264.7      0.00000E+00
   399               2356.1
   413               1044.0
   427               697.49
   441               161.45
   455               17.435      0.00000E+00
   469               21.106
   483               22.172
   497               47.096
   511               42.895
```

```
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00  2327.8


USE LOAD STEP    28  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    28  SUBSTEP=     1  CUMULATIVE ITERATION=    28
  TIME/FREQUENCY=  28.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    28  SUBSTEP=     1

  TIME=    28.000       LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -36.006      0.00000E+00 0.00000E+00 0.00000E+00 -1019.0

   119  0.00000E+00  1952.4      0.00000E+00 0.00000E+00 0.00000E+00  2107.9

   176  0.00000E+00  43.346      0.00000E+00 0.00000E+00 0.00000E+00 -2.6258

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -41.448
   385               1117.6      0.00000E+00
   399               2344.1
   413               1082.2
   427               888.18
   441               220.38
   455               6.2951      0.00000E+00
   469               20.382
   483               22.172
```

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	1086.2

USE LOAD STEP 29 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 29 SUBSTEP= 1 CUMULATIVE ITERATION= 29
TIME/FREQUENCY= 29.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 29 SUBSTEP= 1

TIME= 29.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-28.206	0.00000E+00	0.00000E+00	0.00000E+00	-1033.0
119	0.00000E+00	1863.1	0.00000E+00	0.00000E+00	0.00000E+00	479.33
176	0.00000E+00	43.979	0.00000E+00	0.00000E+00	0.00000E+00	0.18247
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-47.792				
385		970.95	0.00000E+00			
399		2324.8				
413		1099.0				
427		1062.5				
441		295.83				
455		-6.1037	0.00000E+00			

```
   469                19.354
   483                22.172
   497                47.096
   511                42.895
   523                40.924
   535                24.136      0.00000E+00
   539                7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00 -553.50


USE LOAD STEP    30  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    30  SUBSTEP=     1  CUMULATIVE ITERATION=    30
  TIME/FREQUENCY=  30.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    30  SUBSTEP=     1

  TIME=    30.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -19.768      0.00000E+00 0.00000E+00 0.00000E+00 -1002.8

   119  0.00000E+00  1811.8      0.00000E+00 0.00000E+00 0.00000E+00 -1354.1

   176  0.00000E+00  44.642      0.00000E+00 0.00000E+00 0.00000E+00  5.2594

   301                7.7411
   305                24.140      0.00000E+00
   317                40.926
   329                42.791
   343                47.350
   357                25.094
   371               -49.925
   385                827.22      0.00000E+00
   399                2298.4
   413                1091.3
   427                1206.0
```

441		389.18				
455		-19.423	0.00000E+00			
469		17.973				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-2351.7

USE LOAD STEP 31 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 31 SUBSTEP= 1 CUMULATIVE ITERATION= 31
TIME/FREQUENCY= 31.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 31 SUBSTEP= 1

TIME= 31.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	-11.027	0.00000E+00	0.00000E+00	0.00000E+00	-939.56
119	0.00000E+00	1808.1	0.00000E+00	0.00000E+00	0.00000E+00	-3223.1
176	0.00000E+00	45.294	0.00000E+00	0.00000E+00	0.00000E+00	13.085
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-48.797				
385		688.86	0.00000E+00			
399		2264.9				

```
   413              1055.9
   427              1311.1
   441              499.87
   455             -32.938      0.00000E+00
   469              16.213
   483              22.172
   497              47.096
   511              42.895
   523              40.924
   535              24.136      0.00000E+00
   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00 -4149.6


USE LOAD STEP    32  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    32  SUBSTEP=     1  CUMULATIVE ITERATION=    32
  TIME/FREQUENCY=  32.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    32  SUBSTEP=     1

  TIME=    32.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00 -2.3218      0.00000E+00 0.00000E+00 0.00000E+00 -854.30

   119  0.00000E+00  1856.6      0.00000E+00 0.00000E+00 0.00000E+00 -4975.5

   176  0.00000E+00  45.884      0.00000E+00 0.00000E+00 0.00000E+00  24.129

   301              7.7411
   305              24.140      0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371             -45.349
```

385		558.40	0.00000E+00			
399		2224.1				
413		991.64				
427		1373.9				
441		626.36				
455		-45.735	0.00000E+00			
469		14.058				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-5805.6

USE LOAD STEP 33 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 33 SUBSTEP= 1 CUMULATIVE ITERATION= 33
TIME/FREQUENCY= 33.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 33 SUBSTEP= 1

TIME= 33.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	5.9948	0.00000E+00	0.00000E+00	0.00000E+00	-757.99
119	0.00000E+00	1949.0	0.00000E+00	0.00000E+00	0.00000E+00	-6447.1
176	0.00000E+00	46.337	0.00000E+00	0.00000E+00	0.00000E+00	38.844
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

```
   357               25.094
   371              -40.505
   385               438.66      0.00000E+00
   399               2173.9
   413               906.74
   427               1397.1
   441               765.21
   455              -56.514      0.00000E+00
   469               11.516
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136      0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE    0.00000E+00  7970.5      0.00000E+00 0.00000E+00 0.00000E+00 -7166.3


USE LOAD STEP    34  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    34  SUBSTEP=     1  CUMULATIVE ITERATION=    34
  TIME/FREQUENCY=  34.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    34  SUBSTEP=     1

  TIME=    34.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  13.604      0.00000E+00 0.00000E+00 0.00000E+00 -660.56

   119  0.00000E+00  2072.0      0.00000E+00 0.00000E+00 0.00000E+00 -7444.5

   176  0.00000E+00  46.579      0.00000E+00 0.00000E+00 0.00000E+00  57.679

   301               7.7411
   305               24.140      0.00000E+00
   317               40.926
```

329		42.791				
343		47.350				
357		25.094				
371		-35.101				
385		332.17	0.00000E+00			
399		2112.2				
413		813.37				
427		1385.4				
441		912.49				
455		-63.880	0.00000E+00			
469		8.6000				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-8047.4

USE LOAD STEP 35 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 35 SUBSTEP= 1 CUMULATIVE ITERATION= 35
TIME/FREQUENCY= 35.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 35 SUBSTEP= 1

TIME= 35.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	20.339	0.00000E+00	0.00000E+00	0.00000E+00	-567.89
119	0.00000E+00	2204.8	0.00000E+00	0.00000E+00	0.00000E+00	-7667.2
176	0.00000E+00	46.531	0.00000E+00	0.00000E+00	0.00000E+00	81.081
301		7.7411				

305	24.140	0.00000E+00
317	40.926	
329	42.791	
343	47.350	
357	25.094	
371	-29.647	
385	240.03	0.00000E+00
399	2037.8	
413	731.04	
427	1343.5	
441	1064.3	
455	-66.438	0.00000E+00
469	5.3234	
483	22.172	
497	47.096	
511	42.895	
523	40.924	
535	24.136	0.00000E+00
539	7.7416	

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-8154.0

USE LOAD STEP 36 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 36 SUBSTEP= 1 CUMULATIVE ITERATION= 36
TIME/FREQUENCY= 36.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 36 SUBSTEP= 1

TIME= 36.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	26.114	0.00000E+00	0.00000E+00	0.00000E+00	-483.91
119	0.00000E+00	2325.0	0.00000E+00	0.00000E+00	0.00000E+00	-6784.9

```
   176  0.00000E+00  46.115     0.00000E+00 0.00000E+00 0.00000E+00  109.50

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -24.497
   385               162.52     0.00000E+00
   399               1950.1
   413               680.72
   427               1275.8
   441               1216.6
   455              -62.793     0.00000E+00
   469               1.6990
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -7159.3


USE LOAD STEP    37  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    37  SUBSTEP=     1  CUMULATIVE ITERATION=    37
  TIME/FREQUENCY=  37.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    37  SUBSTEP=     1

  TIME=    37.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  31.010     0.00000E+00 0.00000E+00 0.00000E+00 -408.59
```

```
   119  0.00000E+00  2410.7     0.00000E+00 0.00000E+00 0.00000E+00 -4452.9

   176  0.00000E+00  45.256     0.00000E+00 0.00000E+00 0.00000E+00  143.38

   301               7.7411
   305               24.140     0.00000E+00
   317               40.926
   329               42.791
   343               47.350
   357               25.094
   371              -19.703
   385               98.155     0.00000E+00
   399               1851.5
   413               681.65
   427               1187.2
   441               1365.6
   455              -51.549     0.00000E+00
   469              -2.2598
   483               22.172
   497               47.096
   511               42.895
   523               40.924
   535               24.136     0.00000E+00
   539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -4718.1


USE LOAD STEP    38  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    38  SUBSTEP=     1  CUMULATIVE ITERATION=    38
  TIME/FREQUENCY=  38.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    38  SUBSTEP=     1

  TIME=    38.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE      FX          FY          FZ          MX          MY          MZ
```

65	0.00000E+00	35.092	0.00000E+00	0.00000E+00	0.00000E+00	-341.09
119	0.00000E+00	2447.4	0.00000E+00	0.00000E+00	0.00000E+00	-1369.0
176	0.00000E+00	43.913	0.00000E+00	0.00000E+00	0.00000E+00	182.90
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-15.213				
385		46.045	0.00000E+00			
399		1741.4				
413		727.58				
427		1100.9				
441		1508.8				
455		-31.970	0.00000E+00			
469		-6.5388				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-1527.2

USE LOAD STEP 39 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 39 SUBSTEP= 1 CUMULATIVE ITERATION= 39
TIME/FREQUENCY= 39.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 39 SUBSTEP= 1

TIME= 39.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	38.411	0.00000E+00	0.00000E+00	0.00000E+00	-280.74
119	0.00000E+00	2433.1	0.00000E+00	0.00000E+00	0.00000E+00	1749.9
176	0.00000E+00	42.039	0.00000E+00	0.00000E+00	0.00000E+00	228.42
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-10.994				
385		5.4630	0.00000E+00			
399		1619.7				
413		804.62				
427		1035.2				
441		1644.4				
455		-3.2389	0.00000E+00			
469		-11.141				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	1697.5

USE LOAD STEP 40 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 40 SUBSTEP= 1 CUMULATIVE ITERATION= 40
TIME/FREQUENCY= 40.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 40 SUBSTEP= 1

TIME= 40.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.014	0.00000E+00	0.00000E+00	0.00000E+00	-227.02
119	0.00000E+00	2371.1	0.00000E+00	0.00000E+00	0.00000E+00	4177.2
176	0.00000E+00	39.587	0.00000E+00	0.00000E+00	0.00000E+00	280.35
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-7.0162				
385		-24.236	0.00000E+00			
399		1486.4				
413		895.02				
427		1005.3				
441		1770.9				
455		35.501	0.00000E+00			
469		-16.080				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	4230.5

USE LOAD STEP 41 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 41 SUBSTEP= 1 CUMULATIVE ITERATION= 41
TIME/FREQUENCY= 41.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 41 SUBSTEP= 1

TIME= 41.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	42.930	0.00000E+00	0.00000E+00	0.00000E+00	-179.61
119	0.00000E+00	2277.2	0.00000E+00	0.00000E+00	0.00000E+00	5167.5
176	0.00000E+00	36.501	0.00000E+00	0.00000E+00	0.00000E+00	339.30
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		-3.2678				
385		-43.529	0.00000E+00			
399		1341.8				
413		973.39				
427		1021.2				
441		1887.5				
455		85.189	0.00000E+00			
469		-21.387				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	5327.2

USE LOAD STEP 42 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 42 SUBSTEP= 1 CUMULATIVE ITERATION= 42
TIME/FREQUENCY= 42.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 42 SUBSTEP= 1

TIME= 42.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.245	0.00000E+00	0.00000E+00	0.00000E+00	-138.18
119	0.00000E+00	2164.8	0.00000E+00	0.00000E+00	0.00000E+00	5011.2
176	0.00000E+00	32.689	0.00000E+00	0.00000E+00	0.00000E+00	406.22
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		0.23336				
385		-53.829	0.00000E+00			
399		1189.9				
413		1035.6				
427		1071.4				
441		1992.1				
455		147.46	0.00000E+00			
469		-27.102				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	5279.3

USE LOAD STEP 43 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 43 SUBSTEP= 1 CUMULATIVE ITERATION= 43
TIME/FREQUENCY= 43.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 43 SUBSTEP= 1

TIME= 43.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.042	0.00000E+00	0.00000E+00	0.00000E+00	-102.40
119	0.00000E+00	2047.7	0.00000E+00	0.00000E+00	0.00000E+00	3999.0
176	0.00000E+00	28.056	0.00000E+00	0.00000E+00	0.00000E+00	482.05
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		3.4690				
385		-56.550	0.00000E+00			
399		1034.8				
413		1077.4				
427		1144.2				
441		2082.6				
455		223.96	0.00000E+00			
469		-33.268				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	4378.7

USE LOAD STEP 44 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 44 SUBSTEP= 1 CUMULATIVE ITERATION= 44
TIME/FREQUENCY= 44.000

PRINT REACTION SOLUTIONS PER NODE

***** POSTI TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 44 SUBSTEP= 1

TIME= 44.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.403	0.00000E+00	0.00000E+00	0.00000E+00	-71.948
119	0.00000E+00	1939.8	0.00000E+00	0.00000E+00	0.00000E+00	2420.1
176	0.00000E+00	22.537	0.00000E+00	0.00000E+00	0.00000E+00	566.94
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		6.4208				
385		-53.106	0.00000E+00			
399		880.37				
413		1094.8				
427		1227.7				
441		2157.5				
455		315.89	0.00000E+00			
469		-39.839				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	2915.1

USE LOAD STEP 45 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 45 SUBSTEP= 1 CUMULATIVE ITERATION= 45

TIME/FREQUENCY= 45.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 45 SUBSTEP= 1

TIME= 45.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.413	0.00000E+00	0.00000E+00	0.00000E+00	-46.501
119	0.00000E+00	1855.5	0.00000E+00	0.00000E+00	0.00000E+00	558.24
176	0.00000E+00	16.186	0.00000E+00	0.00000E+00	0.00000E+00	657.72
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		9.0705				
385		-44.911	0.00000E+00			
399		730.66				
413		1083.5				
427		1307.9				
441		2218.0				
455		422.70	0.00000E+00			
469		-46.420				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	1169.5

USE LOAD STEP 46 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 46 SUBSTEP= 1 CUMULATIVE ITERATION= 46
TIME/FREQUENCY= 46.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 46 SUBSTEP= 1

TIME= 46.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	45.156	0.00000E+00	0.00000E+00	0.00000E+00	-25.729
119	0.00000E+00	1808.1	0.00000E+00	0.00000E+00	0.00000E+00	-1325.7
176	0.00000E+00	9.1094	0.00000E+00	0.00000E+00	0.00000E+00	749.60
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		11.400				
385		-33.378	0.00000E+00			
399		589.63				
413		1039.3				
427		1371.4				
441		2266.0				
455		543.09	0.00000E+00			
469		-52.436				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-601.86

USE LOAD STEP 47 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 47 SUBSTEP= 1 CUMULATIVE ITERATION= 47
TIME/FREQUENCY= 47.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 47 SUBSTEP= 1

TIME= 47.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.714	0.00000E+00	0.00000E+00	0.00000E+00	-9.3083
119	0.00000E+00	1806.4	0.00000E+00	0.00000E+00	0.00000E+00	-3057.2
176	0.00000E+00	1.5127	0.00000E+00	0.00000E+00	0.00000E+00	834.48
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		13.391				
385		-19.921	0.00000E+00			
399		461.27				
413		958.26				
427		1410.2				
441		2304.2				
455		674.37	0.00000E+00			
469		-56.941				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-2232.0

USE LOAD STEP 48 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 48 SUBSTEP= 1 CUMULATIVE ITERATION= 48
TIME/FREQUENCY= 48.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	44.167	0.00000E+00	0.00000E+00	0.00000E+00	3.1162
119	0.00000E+00	1854.4	0.00000E+00	0.00000E+00	0.00000E+00	-4480.3
176	0.00000E+00	-6.3804	0.00000E+00	0.00000E+00	0.00000E+00	903.45
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		15.030				
385		-5.8776	0.00000E+00			
399		349.14				
413		838.32				
427		1419.0				
441		2334.9				
455		813.62	0.00000E+00			
469		-58.889				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE 0.00000E+00 7970.5 0.00000E+00 0.00000E+00 0.00000E+00 -3573.7

USE LOAD STEP 49 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 49 SUBSTEP= 1 CUMULATIVE ITERATION= 49
TIME/FREQUENCY= 49.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 49 SUBSTEP= 1

TIME= 49.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.582	0.00000E+00	0.00000E+00	0.00000E+00	12.009
119	0.00000E+00	1943.3	0.00000E+00	0.00000E+00	0.00000E+00	-5427.0
176	0.00000E+00	-14.366	0.00000E+00	0.00000E+00	0.00000E+00	947.55
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		16.324				
385		7.7179	0.00000E+00			
399		255.10				
413		686.68				
427		1399.6				
441		2358.5				
455		958.31	0.00000E+00			
469		-57.213				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES
VALUE 0.00000E+00 7970.5 0.00000E+00 0.00000E+00 0.00000E+00 -4467.5

USE LOAD STEP 50 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 50 SUBSTEP= 1 CUMULATIVE ITERATION= 50
TIME/FREQUENCY= 50.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 50 SUBSTEP= 1

TIME= 50.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	43.015	0.00000E+00	0.00000E+00	0.00000E+00	17.890
119	0.00000E+00	2058.9	0.00000E+00	0.00000E+00	0.00000E+00	-5703.6
176	0.00000E+00	-22.245	0.00000E+00	0.00000E+00	0.00000E+00	957.84
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		17.293				
385		19.984	0.00000E+00			
399		180.19				
413		515.01				
427		1355.3				
441		2374.8				
455		1106.0	0.00000E+00			
469		-50.839				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			

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   539              7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00 -4727.9


USE LOAD STEP    51  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    51  SUBSTEP=     1  CUMULATIVE ITERATION=    51
  TIME/FREQUENCY=  51.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    51  SUBSTEP=     1

  TIME=    51.000      LOAD CASE=   0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE      FX          FY          FZ          MX          MY          MZ

    65  0.00000E+00  42.509     0.00000E+00 0.00000E+00 0.00000E+00  21.390

   119  0.00000E+00  2179.7     0.00000E+00 0.00000E+00 0.00000E+00 -5023.4

   176  0.00000E+00 -29.818     0.00000E+00 0.00000E+00 0.00000E+00  925.37

   301              7.7411
   305              24.140     0.00000E+00
   317              40.926
   329              42.791
   343              47.350
   357              25.094
   371              17.975
   385              30.342     0.00000E+00
   399              123.71
   413              344.04
   427              1289.7
   441              2383.8
   455              1254.3     0.00000E+00
   469             -38.695
   483              22.172
   497              47.096
   511              42.895
```

523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-4076.7

USE LOAD STEP 52 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 52 SUBSTEP= 1 CUMULATIVE ITERATION= 52
TIME/FREQUENCY= 52.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 52 SUBSTEP= 1

TIME= 52.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	42.105	0.00000E+00	0.00000E+00	0.00000E+00	23.169
119	0.00000E+00	2281.8	0.00000E+00	0.00000E+00	0.00000E+00	-3076.8
176	0.00000E+00	-36.888	0.00000E+00	0.00000E+00	0.00000E+00	841.19
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.414				
385		38.291	0.00000E+00			
399		84.577				
413		196.74				
427		1206.2				
441		2385.3				
455		1400.6	0.00000E+00			
469		-19.706				
483		22.172				

497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	-2212.4

USE LOAD STEP 53 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 53 SUBSTEP= 1 CUMULATIVE ITERATION= 53
TIME/FREQUENCY= 53.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 53 SUBSTEP= 1

TIME= 53.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.841	0.00000E+00	0.00000E+00	0.00000E+00	23.885
119	0.00000E+00	2341.6	0.00000E+00	0.00000E+00	0.00000E+00	446.00
176	0.00000E+00	-43.254	0.00000E+00	0.00000E+00	0.00000E+00	696.36
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.654				
385		43.328	0.00000E+00			
399		61.683				
413		96.100				
427		1108.3				
441		2379.3				
455		1542.7	0.00000E+00			

469		7.2000				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	1166.2

USE LOAD STEP 54 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 54 SUBSTEP= 1 CUMULATIVE ITERATION= 54
TIME/FREQUENCY= 54.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 54 SUBSTEP= 1

TIME= 54.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.700	0.00000E+00	0.00000E+00	0.00000E+00	24.078
119	0.00000E+00	2343.4	0.00000E+00	0.00000E+00	0.00000E+00	4808.9
176	0.00000E+00	-48.681	0.00000E+00	0.00000E+00	0.00000E+00	481.66
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.763				
385		45.972	0.00000E+00			
399		50.510				
413		40.036				
427		1018.3				

441		2367.1				
455		1677.3	0.00000E+00			
469		43.098				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	5314.6

USE LOAD STEP 55 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 55 SUBSTEP= 1 CUMULATIVE ITERATION= 55
TIME/FREQUENCY= 55.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 55 SUBSTEP= 1

TIME= 55.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	2282.9	0.00000E+00	0.00000E+00	0.00000E+00	9256.7
176	0.00000E+00	-52.939	0.00000E+00	0.00000E+00	0.00000E+00	188.04
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				

413		18.794				
427		953.02				
441		2350.9				
455		1801.5	0.00000E+00			
469		89.046				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	9468.8

USE LOAD STEP 56 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 56 SUBSTEP= 1 CUMULATIVE ITERATION= 56
TIME/FREQUENCY= 56.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 56 SUBSTEP= 1

TIME= 56.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	2162.2	0.00000E+00	0.00000E+00	0.00000E+00	13025.
176	0.00000E+00	-55.800	0.00000E+00	0.00000E+00	0.00000E+00	-193.46
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				

385	46.909	0.00000E+00				
399	46.909					
413	18.794					
427	926.77					
441	2332.9					
455	1912.3	0.00000E+00				
469	146.09					
483	22.172					
497	47.096					
511	42.895					
523	40.924					
535	24.136	0.00000E+00				
539	7.7416					
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	12855.

USE LOAD STEP 57 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 57 SUBSTEP= 1 CUMULATIVE ITERATION= 57
TIME/FREQUENCY= 57.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 57 SUBSTEP= 1

TIME= 57.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	1995.0	0.00000E+00	0.00000E+00	0.00000E+00	15329.
176	0.00000E+00	-57.043	0.00000E+00	0.00000E+00	0.00000E+00	-671.65
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				

357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		948.33				
441		2316.0				
455		2006.8	0.00000E+00			
469		215.26				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	14681.

USE LOAD STEP 58 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 58 SUBSTEP= 1 CUMULATIVE ITERATION= 58
TIME/FREQUENCY= 58.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 58 SUBSTEP= 1

TIME= 58.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	1793.4	0.00000E+00	0.00000E+00	0.00000E+00	16422.
176	0.00000E+00	-56.353	0.00000E+00	0.00000E+00	0.00000E+00	-1252.6
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				

329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1005.1				
441		2301.7				
455		2083.4	0.00000E+00			
469		297.11				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	15193.

USE LOAD STEP 59 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 59 SUBSTEP= 1 CUMULATIVE ITERATION= 59
TIME/FREQUENCY= 59.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 59 SUBSTEP= 1

TIME= 59.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	1569.5	0.00000E+00	0.00000E+00	0.00000E+00	16559.
176	0.00000E+00	-52.893	0.00000E+00	0.00000E+00	0.00000E+00	-1933.3
301		7.7411				

305	24.140	0.00000E+00				
317	40.926					
329	42.791					
343	47.350					
357	25.094					
371	18.794					
385	46.909	0.00000E+00				
399	46.909					
413	18.794					
427	1084.7					
441	2289.5					
455	2143.2	0.00000E+00				
469	390.37					
483	22.172					
497	47.096					
511	42.895					
523	40.924					
535	24.136	0.00000E+00				
539	7.7416					

TOTAL VALUES

VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	14650.

USE LOAD STEP 60 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 60 SUBSTEP= 1 CUMULATIVE ITERATION= 60
TIME/FREQUENCY= 60.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 60 SUBSTEP= 1

TIME= 60.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	1335.5	0.00000E+00	0.00000E+00	0.00000E+00	15998.

```
  176  0.00000E+00 -45.532     0.00000E+00 0.00000E+00 0.00000E+00 -2706.6

  301               7.7411
  305               24.140     0.00000E+00
  317               40.926
  329               42.791
  343               47.350
  357               25.094
  371               18.794
  385               46.909     0.00000E+00
  399               46.909
  413               18.794
  427               1174.8
  441               2278.6
  455               2188.1     0.00000E+00
  469               492.91
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136     0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00  13315.


USE LOAD STEP    61  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    61  SUBSTEP=     1  CUMULATIVE ITERATION=    61
  TIME/FREQUENCY=  61.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    61  SUBSTEP=     1

  TIME=    61.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


 NODE      FX          FY          FZ          MX          MY          MZ

   65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069
```

```
  119  0.00000E+00  1104.4     0.00000E+00 0.00000E+00 0.00000E+00  14989.

  176  0.00000E+00 -32.496     0.00000E+00 0.00000E+00 0.00000E+00 -3559.7

  301               7.7411
  305               24.140     0.00000E+00
  317               40.926
  329               42.791
  343               47.350
  357               25.094
  371               18.794
  385               46.909     0.00000E+00
  399               46.909
  413               18.794
  427               1261.1
  441               2269.4
  455               2220.9     0.00000E+00
  469               601.14
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136     0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00  11454.


USE LOAD STEP    62  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    62  SUBSTEP=     1  CUMULATIVE ITERATION=    62
  TIME/FREQUENCY=  62.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    62  SUBSTEP=     1

  TIME=    62.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


  NODE       FX          FY          FZ          MX          MY          MZ
```

```
   65  0.00000E+00  41.648     0.00000E+00 0.00000E+00 0.00000E+00  24.069

  119  0.00000E+00  888.22     0.00000E+00 0.00000E+00 0.00000E+00  13765.

  176  0.00000E+00 -11.826     0.00000E+00 0.00000E+00 0.00000E+00 -4478.8

  301               7.7411
  305               24.140     0.00000E+00
  317               40.926
  329               42.791
  343               47.350
  357               25.094
  371               18.794
  385               46.909     0.00000E+00
  399               46.909
  413               18.794
  427               1330.5
  441               2262.3
  455               2244.1     0.00000E+00
  469               711.16
  483               22.172
  497               47.096
  511               42.895
  523               40.924
  535               24.136     0.00000E+00
  539               7.7416

TOTAL VALUES
VALUE   0.00000E+00  7970.5     0.00000E+00 0.00000E+00 0.00000E+00  9310.0


USE LOAD STEP    63  SUBSTEP     1  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=    63  SUBSTEP=     1  CUMULATIVE ITERATION=    63
  TIME/FREQUENCY=  63.000

PRINT REACTION SOLUTIONS PER NODE

 ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=    63  SUBSTEP=     1

  TIME=    63.000      LOAD CASE=   0


 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	694.06	0.00000E+00	0.00000E+00	0.00000E+00	12469.
176	0.00000E+00	18.534	0.00000E+00	0.00000E+00	0.00000E+00	-5453.7
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1374.7				
441		2258.5				
455		2259.1	0.00000E+00			
469		819.47				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	7039.1

USE LOAD STEP 64 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 64 SUBSTEP= 1 CUMULATIVE ITERATION= 64
TIME/FREQUENCY= 64.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 64 SUBSTEP= 1

TIME= 64.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
65	0.00000E+00	41.648	0.00000E+00	0.00000E+00	0.00000E+00	24.069
119	0.00000E+00	526.57	0.00000E+00	0.00000E+00	0.00000E+00	11204.
176	0.00000E+00	60.660	0.00000E+00	0.00000E+00	0.00000E+00	-6474.8
301		7.7411				
305		24.140	0.00000E+00			
317		40.926				
329		42.791				
343		47.350				
357		25.094				
371		18.794				
385		46.909	0.00000E+00			
399		46.909				
413		18.794				
427		1388.6				
441		2259.1				
455		2266.9	0.00000E+00			
469		922.64				
483		22.172				
497		47.096				
511		42.895				
523		40.924				
535		24.136	0.00000E+00			
539		7.7416				
TOTAL VALUES						
VALUE	0.00000E+00	7970.5	0.00000E+00	0.00000E+00	0.00000E+00	4753.0

EXIT THE ANSYS POST1 DATABASE PROCESSOR

***** ROUTINE COMPLETED ***** CP = 136.590

***** END OF INPUT ENCOUNTERED *****

PURGE ALL SOLUTION AND POST DATA
SAVE ALL MODEL DATA

ALL CURRENT ANSYS DATA WRITTEN TO FILE NAME= file.db
FOR POSSIBLE RESUME FROM THIS POINT

NUMBER OF WARNING MESSAGES ENCOUNTERED= 0
NUMBER OF ERROR MESSAGES ENCOUNTERED= 0

*** RMIS View/Print Document Cover Sheet ***

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Accession #: D295184411

Document #: SD-SNF-DA-003

Title/Desc:
STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS [SEC 6 OF 6]

Pages: 81

This document was too large to scan as a whole document, therefore it required breaking into smaller sections.

DOCUMENT NUMBER: SD-SNF-DA-003 REV 0

SECTION 6 OF 6

TITLE: STRUCTURAL ANALYSIS OF 105 K BASIN MONORAILS

DATE: 11/22/95

ORIGINATOR: KANJILAL SK

CO: KEH

RECIPIENT:

CO:

REFERENCES: EDT-612866

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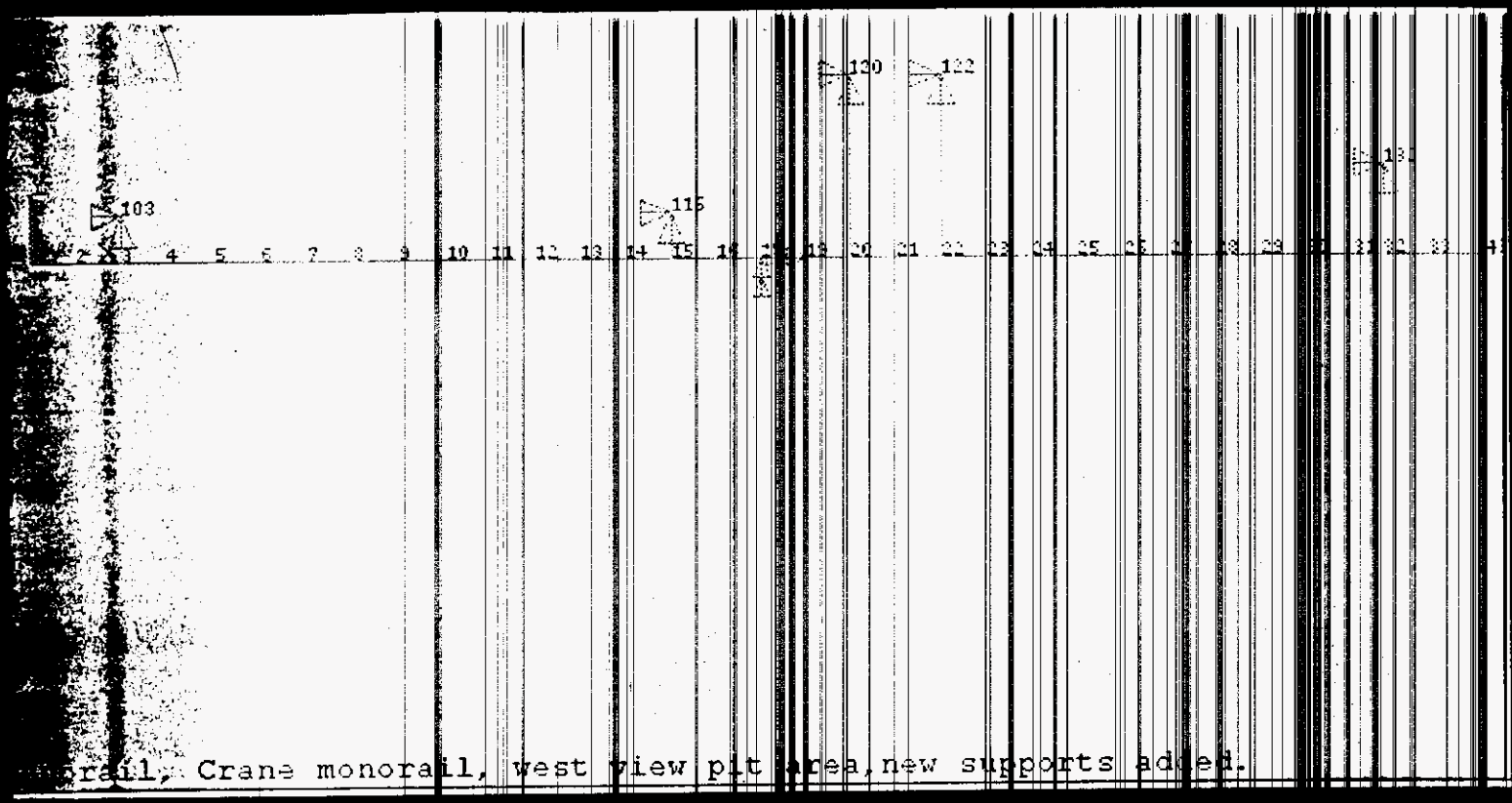
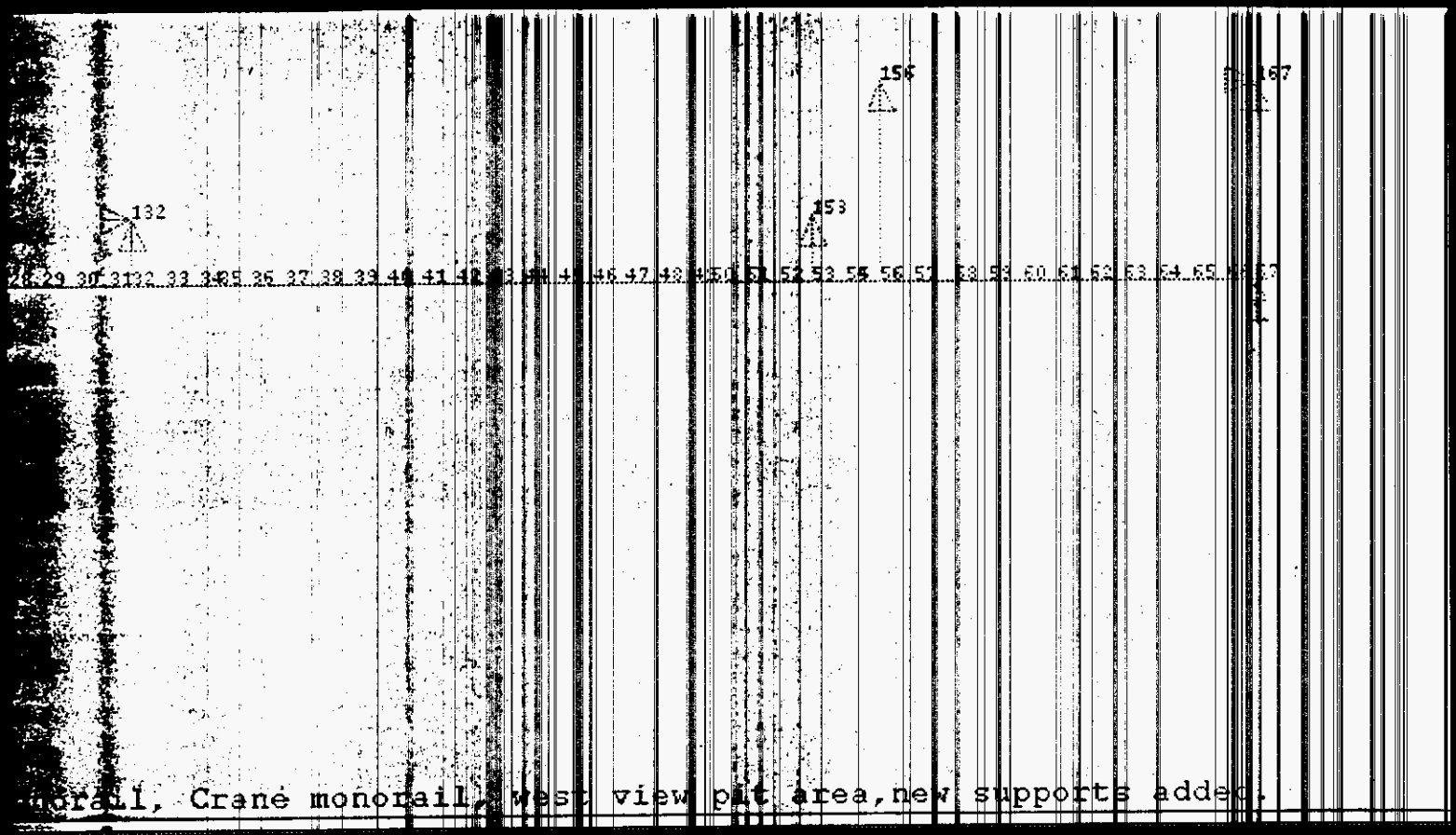


...rail, Crane monorail, west view pit area, new supports added.

Page - R.636

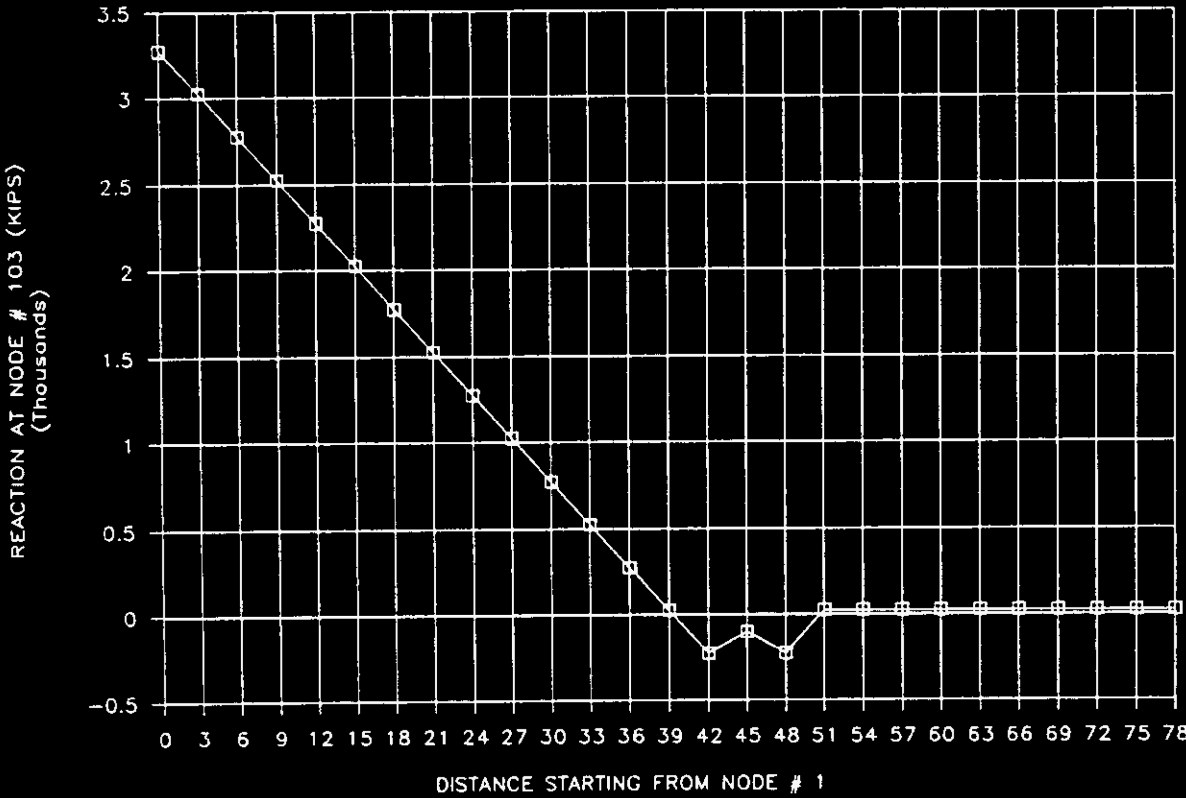


monorail, Crane monorail, West view pit area, new supports added.

WEST VIEW PIT 105 KW

INFLUENCE LINE OF REACTIONS, NODE # 103

TWO MOVING LOADS 6-IN. APART @ 1500 LBS



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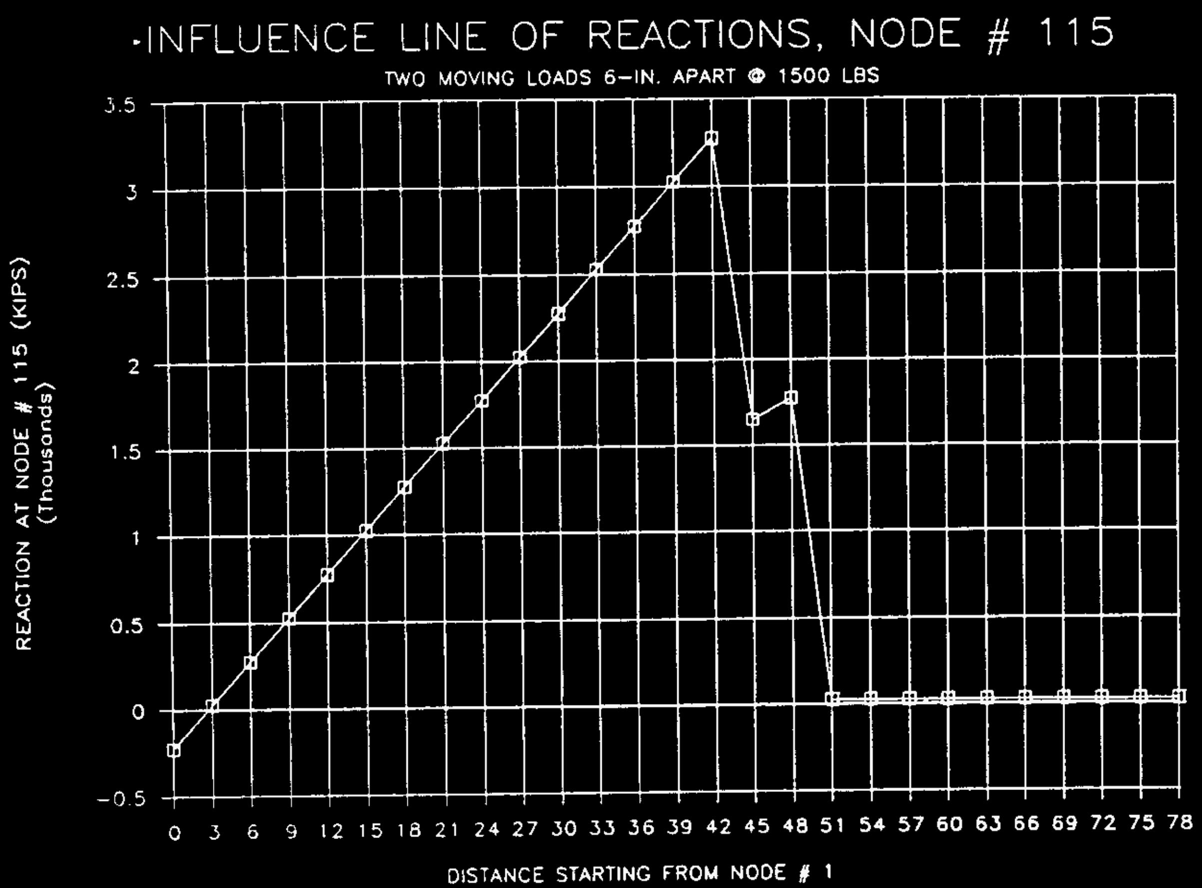
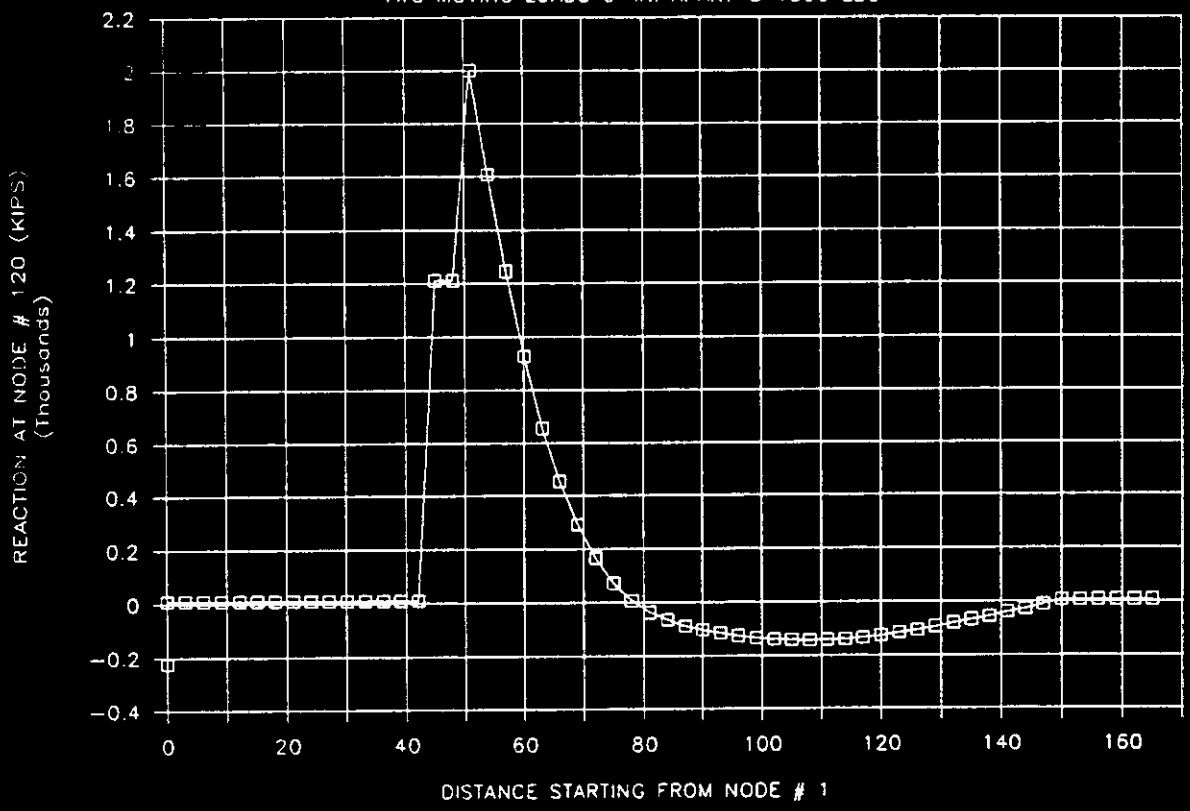

INFLUENCE LINE OF REACTIONS, NODE # 115
TWO MOVING LOADS 6-IN. APART @ 1500 LBS
REACTION AT NODE # 115 (KIPS)
(Thousands)
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
0 3 6 9 12 15 18 21 24 27 30 33 36 39 42 45 48 51 54 57 60 63 66 69 72 75 78
DISTANCE STARTING FROM NODE # 1

WEST VIEW PIT 105 KW

Load 4
Signed
L. Hyde 12/31/9

INFLUENCE LINE OF REACTIONS, NODE # 120

TWO MOVING LOADS 6-IN. APART @ 1500 LBS



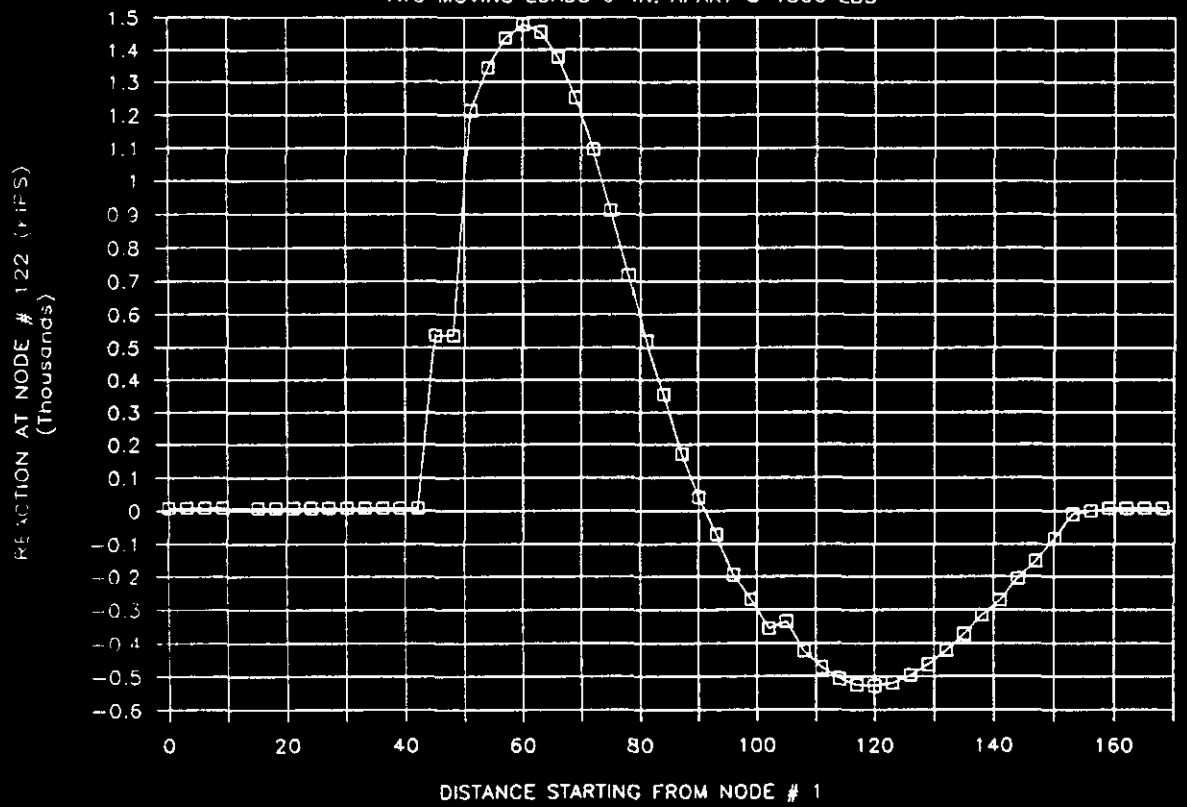
WEST VIEW PIT

WEST VIEW PIT 105 K SF

Calc - 15
Examined
L. Hyde 12-8-94

INFLUENCE LINE OF REACTIONS, NODE # 122

TWO MOVING LOADS 6-IN. APART @ 1500 LBS

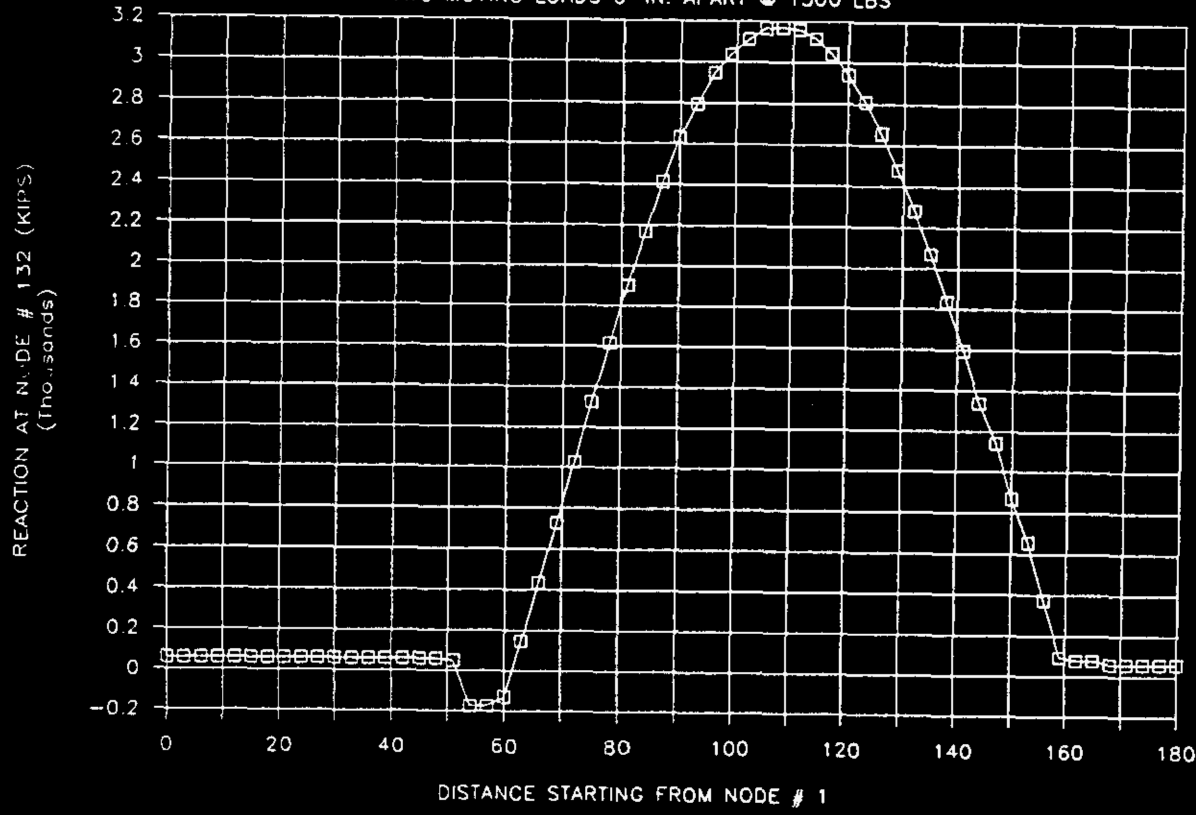


WEST VIEW PIT

WEST VIEW PIT 105 KW

INFLUENCE LINE OF REACTIONS, NODE # 132

TWO MOVING LOADS 6-IN. APART @ 1500 LBS



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WEST VIEW PIT

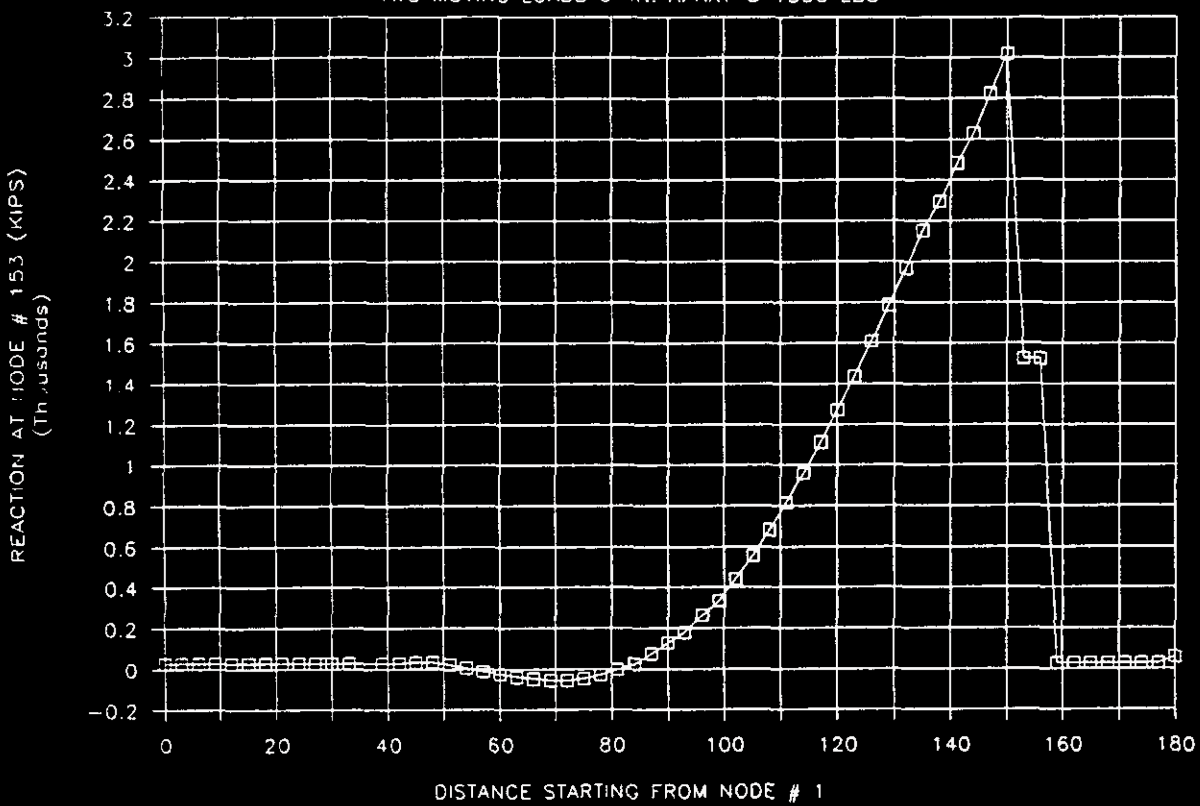
WEST VIEW PIT

Page 17

12/28/92

INFLUENCE LINE OF REACTIONS, NODE # 153

TWO MOVING LOADS 6-IN. APART @ 1500 LBS



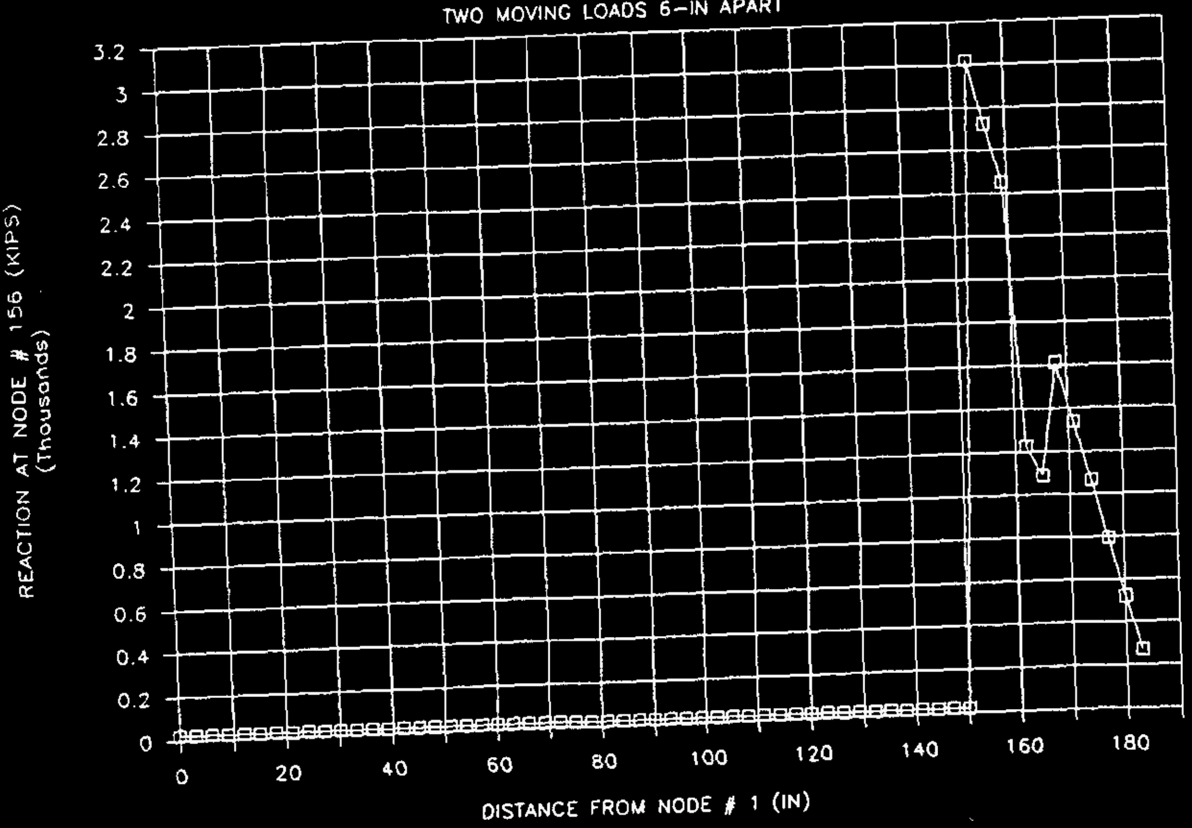
WEST VIEW PIT

Page - 18
S Tanguydal
12/28/94
L Hyde

WEST-VIEW DR 105 KW

INFLUENCE LINE OF REACTIONS, NODE # 156

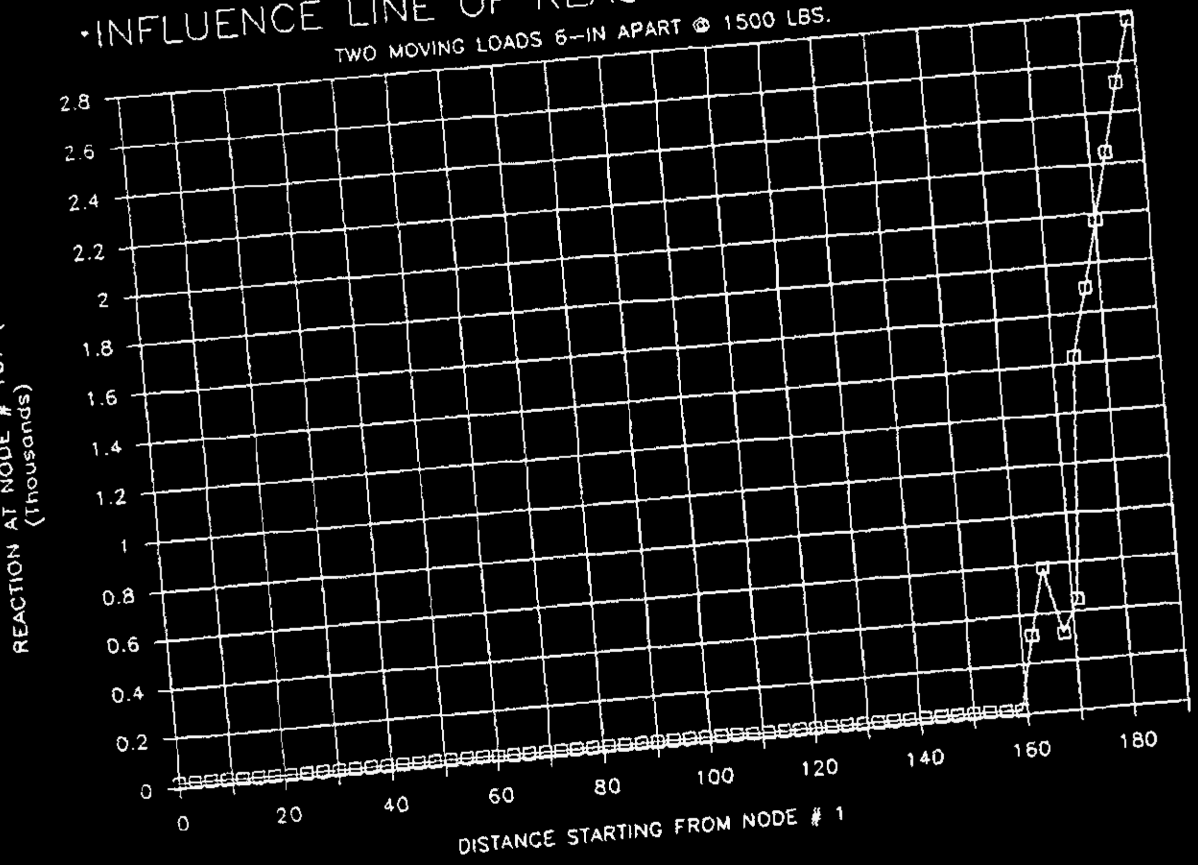
TWO MOVING LOADS 6-IN APART



WEST VIEW PIT 105 KW

INFLUENCE LINE OF REACTIONS, NODE # 167

TWO MOVING LOADS 6-IN APART @ 1500 LBS.



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Rev. 0

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Pipe - 1.646

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/title,monorail, Crane monorail, west view pit area,new supports added.
! *** File name : wprev3.in, support 158 and 165 removed, 153 and 167 added**
! *** length of 167 hanger modified ***
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!
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r,2,.309,
ex,1,29e6
dens,1,.00073386
nuxy,1,.3
!
n,1,,,,
n,2,3,
ngen,16,2,1,2,1,6
n,18,48,,,
n,19,51,,,
ngen,13,2,18,19,1,6
n,32,89,,,
n,33,92,,,
n,34,95,,,
n,35,96.5,,,
n,36,99.5,,,
ngen,14,2,35,36,1,6
n,50,140,,,
n,51,143,,,
ngen,4,2,50,51,1,6
n,55,152,,,,
n,56,155,,,,
n,57,158,,,
n,58,161.5,,,
n,59,164.5,,,
ngen,8,2,58,59,1,6
n,67,188,,,
n,103,6,3
n,115,42,3
n,120,54,12
n,122,60,12
n,132,89,6
n,153,149,6
n,156,155,18
n,158,161.5,3
n,165,182.5,3
n,167,188,18
!
mat,1
type,1
real,1
e,1,2
egen,16,1,-1
e,18,19
egen,36,1,-1
e,55,56
egen,12,1,-1
```

```
!
mat,1
type,2
real,2
e,3,103
e,15,115
e,20,120
e,22,122
e,32,132
e,53,153
e,56,156
e,67,167
d,103,ux,,,115,12,uy,
d,120,ux,,,122,2,uy,
d,132,ux,,,,,uy,
d,153,uy,,,156,3,
d,167,ux,,,,,uy,
d,19,rotx
d,67,uz,,,,,roty,
d,17,roty
nlist,all
elist,all
dlist,all
finish
!
/solu
antyp,0
stat
acel,,386.4,,
f,1,fy,-1500,,3,2
lswrite,1
fdele,all
f,2,fy,-1500,,4,2
lswrite,2
fdele,all
f,3,fy,-1500,,5,2
lswrite,3
fdele,all
f,4,fy,-1500,,6,2
lswrite,4
fdele,all
f,5,fy,-1500,,7,2
lswrite,5
fdele,all
f,6,fy,-1500,,8,2
lswrite,6
fdele,all
f,7,fy,-1500,,9,2
lswrite,7
fdele,all
f,8,fy,-1500,,10,2
lswrite,8
fdele,all
f,9,fy,-1500,,11,2
```

```
lswrite,9
fdele,all
f,10,fy,-1500,,12,2
lswrite,10
fdele,all
f,11,fy,-1500,,13,2
lswrite,11
fdele,all
f,12,fy,-1500,,14,2
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fdele,all
f,13,fy,-1500,,15,2
lswrite,13
fdele,all
f,14,fy,-1500,,16,2
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f,15,fy,-1500,,17,2
lswrite,15
fdele,all
f,16,fy,-1500,,19,3
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fdele,all
f,17,fy,-1500,,20,2
lswrite,17
fdele,all
f,19,fy,-1500,,21,2
lswrite,18
fdele,all
f,20,fy,-1500,,22,2
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fdele,all
f,21,fy,-1500,,23,2
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fdele,all
f,22,fy,-1500,,24,2
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fdele,all
f,23,fy,-1500,,25,2
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fdele,all
f,24,fy,-1500,,26,2
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fdele,all
f,25,fy,-1500,,27,2
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fdele,all
f,26,fy,-1500,,28,2
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fdele,all
f,27,fy,-1500,,29,2
lswrite,26
fdele,all
f,28,fy,-1500,,30,2
```

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lswrite,27
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f,29,fy,-1500,,31,2
lswrite,28
fdele,all
f,30,fy,-1500,,32,2
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fdele,all
f,31,fy,-1500,,33,2
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f,32,fy,-1500,,34,2
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f,33,fy,-1500,,35,2
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f,34,fy,-1500,,36,2
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fdele,all
f,35,fy,-1500,,37,2
lswrite,34
fdele,all
f,36,fy,-1500,,38,2
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fdele,all
f,37,fy,-1500,,39,2
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fdele,all
f,38,fy,-1500,,40,2
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fdele,all
f,39,fy,-1500,,41,2
lswrite,38
fdele,all
f,40,fy,-1500,,42,2
lswrite,39
fdele,all
f,41,fy,-1500,,43,2
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fdele,all
f,42,fy,-1500,,44,2
lswrite,41
fdele,all
f,43,fy,-1500,,45,2
lswrite,42
fdele,all
f,44,fy,-1500,,46,2
lswrite,43
fdele,all
f,45,fy,-1500,,47,2
lswrite,44
fdele,all
f,46,fy,-1500,,48,2
```

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```
lswrite,45
fdele,all
f,47,fy,-1500,,49,2
lswrite,46
fdele,all
f,48,fy,-1500,,50,2
lswrite,47
fdele,all
f,49,fy,-1500,,51,2
lswrite,48
fdele,all
f,50,fy,-1500,,52,2
lswrite,49
fdele,all
f,51,fy,-1500,,53,2
lswrite,50
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f,52,fy,-1500,,54,2
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fdele,all
f,53,fy,-1500,,55,3
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f,54,fy,-1500,,56,3
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fdele,all
f,60,fy,-1500,,62,2
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f,61,fy,-1500,,63,2
lswrite,60
fdele,all
f,62,fy,-1500,,64,2
lswrite,61
fdele,all
f,63,fy,-1500,,65,2
lswrite,62
fdele,all
f,64,fy,-1500,,66,2
```

```
lswrite,63
fdele,all
f,65,fy,-1500,,67,2
lswrite,64
fdele,all
!
lssolve,1,64,1
finish
/post1
/output,w3,out
set,1,1
prrsol
set,2,1
prrsol
set,3,1
prrsol
set,4,1
prrsol
set,5,1
prrsol
!
set,6,1
prrsol
set,7,1
prrsol
set,8,1
prrsol
set,9,1
prrsol
set,10,1
prrsol
!
set,11,1
prrsol
set,12,1
prrsol
set,13,1
prrsol
set,14,1
prrsol
set,15,1
prrsol
!
set,16,1
prrsol
set,17,1
prrsol
set,18,1
prrsol
set,19,1
prrsol
set,20,1
prrsol
!
```

```
set,21,1
prrsol
set,22,1
prrsol
set,23,1
prrsol
set,24,1
prrsol
set,25,1
prrsol
!
set,26,1
prrsol
set,27,1
prrsol
set,28,1
prrsol
set,29,1
prrsol
set,30,1
prrsol
!
set,31,1
prrsol
set,32,1
prrsol
set,33,1
prrsol
set,34,1
prrsol
set,35,1
prrsol
!
set,36,1
prrsol
set,37,1
prrsol
set,38,1
prrsol
!
set,39,1
prrsol
set,40,1
prrsol
set,41,1
prrsol
set,42,1
prrsol
set,43,1
prrsol
!
set,44,1
prrsol
set,45,1
```

```
prrsol
set,46,1
prrsol
set,47,1
prrsol
set,48,1
prrsol
!
set,49,1
prrsol
set,50,1
prrsol
set,51,1
prrsol
set,52,1
prrsol
set,53,1
prrsol
!
set,54,1
prrsol
set,55,1
prrsol
set,56,1
prrsol
set,57,1
prrsol
set,58,1
prrsol
set,59,1
prrsol
!
set,60,1
prrsol
set,61,1
prrsol
set,62,1
prrsol
set,63,1
prrsol
set,64,1
prrsol
finish
```

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Output File : W3.OUT Input File : WPREV3.IN Date : 12-28-94

USE LOAD STEP 1 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 1 SUBSTEP= 1 CUMULATIVE ITERATION= 1
TIME/FREQUENCY= 1.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 1 SUBSTEP= 1

TIME= 1.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	3274.8				
115	0.00000E+00	-225.17				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 2 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 2 SUBSTEP= 1 CUMULATIVE ITERATION= 2
TIME/FREQUENCY= 2.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 2 SUBSTEP= 1

TIME= 2.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDI...

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	3024.8				
115	0.00000E+00	24.831				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 3 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 3 SUBSTEP= 1 CUMULATIVE ITERATION= 3
TIME/FREQUENCY= 3.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 3 SUBSTEP= 1

TIME= 3.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	2774.8				
115	0.00000E+00	274.83				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		21.678				
167	0.00000E+00	18.328				

```
 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     4  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     4  SUBSTEP=     1  CUMULATIVE ITERATION=     4
   TIME/FREQUENCY=  4.0000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     4  SUBSTEP=     1

   TIME=    4.0000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                  0.00000E+00
     19                                      0.00000E+00
     67                              0.00000E+00         0.00000E+00
    103  0.00000E+00  2524.8
    115  0.00000E+00  524.83
    120  0.00000E+00  9.8909
    122  0.00000E+00  9.3030
    132  0.00000E+00  61.233
    153               29.188
    156               21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     5  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     5  SUBSTEP=     1  CUMULATIVE ITERATION=     5
   TIME/FREQUENCY=  5.0000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     5  SUBSTEP=     1
```

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TIME= 5.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	2274.8				
115	0.00000E+00	774.83				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 6 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 6 SUBSTEP= 1 CUMULATIVE ITERATION= 6
TIME/FREQUENCY= 6.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 6 SUBSTEP= 1

TIME= 6.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	2024.8				
115	0.00000E+00	1024.8				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				

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```
   156                 21.678
   167  0.00000E+00    18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP      7  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=      7  SUBSTEP=      1  CUMULATIVE ITERATION=      7
   TIME/FREQUENCY=  7.0000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=      7  SUBSTEP=      1

   TIME=    7.0000      LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                  0.00000E+00
     19                                      0.00000E+00
     67                          0.00000E+00             0.00000E+00
    103  0.00000E+00  1774.8
    115  0.00000E+00  1274.8
    120  0.00000E+00  9.8909
    122  0.00000E+00  9.3030
    132  0.00000E+00  61.233
    153               29.188
    156               21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP      8  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=      8  SUBSTEP=      1  CUMULATIVE ITERATION=      8
   TIME/FREQUENCY=  8.0000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****
```

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LOAD STEP= 8 SUBSTEP= 1

TIME= 8.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	1524.8				
115	0.00000E+00	1524.8				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 9 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 9 SUBSTEP= 1 CUMULATIVE ITERATION= 9
TIME/FREQUENCY= 9.0000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 9 SUBSTEP= 1

TIME= 9.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	1274.8				
115	0.00000E+00	1774.8				
120	0.00000E+00	9.8909				

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122	0.00000E+00	9.3030
132	0.00000E+00	61.233
153		29.188
156		21.678
167	0.00000E+00	18.328

TOTAL VALUES
VALUE 0.00000E+00 3199.3 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00

USE LOAD STEP 10 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 10 SUBSTEP= 1 CUMULATIVE ITERATION= 10
TIME/FREQUENCY= 10.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 10 SUBSTEP= 1

TIME= 10.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	1024.8				
115	0.00000E+00	2024.8				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		21.678				
167	0.00000E+00	18.328				

TOTAL VALUES
VALUE 0.00000E+00 3199.3 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00

USE LOAD STEP 11 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 11 SUBSTEP= 1 CUMULATIVE ITERATION= 11
TIME/FREQUENCY= 11.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 11 SUBSTEP= 1

TIME= 11.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	774.83				
115	0.00000E+00	2274.8				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 12 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 12 SUBSTEP= 1 CUMULATIVE ITERATION= 12
TIME/FREQUENCY= 12.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 12 SUBSTEP= 1

TIME= 12.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	

```
   103  0.00000E+00  524.83
   115  0.00000E+00  2524.8
   120  0.00000E+00  9.8909
   122  0.00000E+00  9.3030
   132  0.00000E+00  61.233
   153               29.188
   156               21.678
   167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE   0.00000E+00  3199.3     0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    13  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    13  SUBSTEP=     1  CUMULATIVE ITERATION=    13
   TIME/FREQUENCY=  13.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    13  SUBSTEP=     1

   TIME=    13.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                  0.00000E+00
     19                                      0.00000E+00
     67                          0.00000E+00             0.00000E+00
    103  0.00000E+00  274.83
    115  0.00000E+00  2774.8
    120  0.00000E+00  9.8909
    122  0.00000E+00  9.3030
    132  0.00000E+00  61.233
    153               29.188
    156               21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE   0.00000E+00  3199.3     0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    14  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    14  SUBSTEP=     1  CUMULATIVE ITERATION=    14
```

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TIME/FREQUENCY= 14.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 14 SUBSTEP= 1

TIME= 14.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	3024.8				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 15 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 15 SUBSTEP= 1 CUMULATIVE ITERATION= 15
TIME/FREQUENCY= 15.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 15 SUBSTEP= 1

TIME= 15.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ

17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	-225.17				
115	0.00000E+00	3274.8				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 16 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 16 SUBSTEP= 1 CUMULATIVE ITERATION= 16
TIME/FREQUENCY= 16.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 16 SUBSTEP= 1

TIME= 16.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	-100.17				
115	0.00000E+00	1649.8				
120	0.00000E+00	1211.2				
122	0.00000E+00	536.54				
132	0.00000E+00	-172.84				
153		34.758				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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```
 USE LOAD STEP     17   SUBSTEP      1   FOR LOAD CASE .

 SET COMMAND GOT LOAD STEP=     17   SUBSTEP=      1   CUMULATIVE ITERATION=     17
   TIME/FREQUENCY=  17.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     17   SUBSTEP=      1

   TIME=     17.000       LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE       FX           FY           FZ           MX           MY           MZ

     17                                                      0.00000E+00
     19                                          0.00000E+00
     67                              0.00000E+00             0.00000E+00
    103   0.00000E+00  -225.17
    115   0.00000E+00   1774.8
    120   0.00000E+00   1211.2
    122   0.00000E+00   536.54
    132   0.00000E+00  -172.84
    153                 34.758
    156                 21.678
    167   0.00000E+00   18.328

 TOTAL VALUES
 VALUE    0.00000E+00   3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     18   SUBSTEP      1   FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     18   SUBSTEP=      1   CUMULATIVE ITERATION=     18
   TIME/FREQUENCY=  18.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     18   SUBSTEP=      1

   TIME=     18.000       LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	2002.4				
122	0.00000E+00	1213.5				
132	0.00000E+00	-129.90				
153		23.549				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 19 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 19 SUBSTEP= 1 CUMULATIVE ITERATION= 19
TIME/FREQUENCY= 19.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 19 SUBSTEP= 1

TIME= 19.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	1608.5				
122	0.00000E+00	1344.0				
132	0.00000E+00	150.17				
153		6.8606				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						

```
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     20  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     20  SUBSTEP=      1  CUMULATIVE ITERATION=     20
   TIME/FREQUENCY=  20.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     20  SUBSTEP=      1

   TIME=     20.000      LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE       FX           FY           FZ           MX           MY           MZ

     17                                                       0.00000E+00
     19                                          0.00000E+00
     67                                0.00000E+00            0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00  1246.3
    122  0.00000E+00  1436.9
    132  0.00000E+00  435.87
    153               -9.5289
    156                21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     21  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     21  SUBSTEP=      1  CUMULATIVE ITERATION=     21
   TIME/FREQUENCY=  21.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     21  SUBSTEP=      1
```

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TIME= 21.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	929.33				
122	0.00000E+00	1477.3				
132	0.00000E+00	727.91				
153		-24.936				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 22 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 22 SUBSTEP= 1 CUMULATIVE ITERATION= 22
TIME/FREQUENCY= 22.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 22 SUBSTEP= 1

TIME= 22.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	667.25				
122	0.00000E+00	1455.3				
132	0.00000E+00	1025.5				
153		-38.454				

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```
    156                 21.678
    167  0.00000E+00    18.328

 TOTAL VALUES
 VALUE    0.00000E+00   3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     23   SUBSTEP      1   FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     23   SUBSTEP=      1   CUMULATIVE ITERATION=     23
   TIME/FREQUENCY=  23.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     23   SUBSTEP=      1

   TIME=     23.000       LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE       FX            FY            FZ            MX            MY            MZ

     17                                                             0.00000E+00
     19                                                0.00000E+00
     67                                0.00000E+00                  0.00000E+00
    103  0.00000E+00    24.831
    115  0.00000E+00    24.831
    120  0.00000E+00    457.01
    122  0.00000E+00    1377.4
    132  0.00000E+00    1324.0
    153                -48.764
    156                 21.678
    167  0.00000E+00    18.328

 TOTAL VALUES
 VALUE    0.00000E+00   3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     24   SUBSTEP      1   FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     24   SUBSTEP=      1   CUMULATIVE ITERATION=     24
   TIME/FREQUENCY=  24.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****
```

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LOAD STEP= 24 SUBSTEP= 1

TIME= 24.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	292.33				
122	0.00000E+00	1254.0				
132	0.00000E+00	1617.7				
153		-54.440				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 25 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 25 SUBSTEP= 1 CUMULATIVE ITERATION= 25
TIME/FREQUENCY= 25.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 25 SUBSTEP= 1

TIME= 25.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	166.91				

```
   122  0.00000E+00  1095.8
   132  0.00000E+00  1900.9
   153               -54.059
   156                21.678
   167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     26  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     26  SUBSTEP=      1  CUMULATIVE ITERATION=     26
   TIME/FREQUENCY=  26.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     26  SUBSTEP=      1

   TIME=     26.000       LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE       FX           FY           FZ           MX           MY           MZ

     17                                                       0.00000E+00
     19                                          0.00000E+00
     67                                0.00000E+00            0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00  74.458
    122  0.00000E+00  913.34
    132  0.00000E+00  2168.0
    153               -46.197
    156                21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     27  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     27  SUBSTEP=      1  CUMULATIVE ITERATION=     27
   TIME/FREQUENCY=  27.000

 PRINT REACTION SOLUTIONS PER NODE
```

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***** POST1 TOTAL REACTION SOLUTION LISTING ***

LOAD STEP= 27 SUBSTEP= 1

TIME= 27.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	8.6873				
122	0.00000E+00	717.06				
132	0.00000E+00	2413.3				
153		-29.429				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 28 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 28 SUBSTEP= 1 CUMULATIVE ITERATION= 28
TIME/FREQUENCY= 28.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 28 SUBSTEP= 1

TIME= 28.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	

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```
   103  0.00000E+00  24.831
   115  0.00000E+00  24.831
   120  0.00000E+00 -36.698
   122  0.00000E+00  517.56
   132  0.00000E+00  2631.1
   153               -2.3317
   156                21.678
   167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE   0.00000E+00  3199.3     0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    29  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    29  SUBSTEP=     1  CUMULATIVE ITERATION=    29
   TIME/FREQUENCY=  29.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    29  SUBSTEP=     1

   TIME=    29.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                  0.00000E+00
     19                                      0.00000E+00
     67                          0.00000E+00             0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00 -64.838
    122  0.00000E+00  353.98
    132  0.00000E+00  2793.3
    153                27.191
    156                21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE   0.00000E+00  3199.3     0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    30  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    30  SUBSTEP=     1  CUMULATIVE ITERATION=    30
```

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TIME/FREQUENCY= 30.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 30 SUBSTEP= 1

TIME= 30.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-87.721				
122	0.00000E+00	173.33				
132	0.00000E+00	2947.5				
153		76.530				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 31 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 31 SUBSTEP= 1 CUMULATIVE ITERATION= 31
TIME/FREQUENCY= 31.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 31 SUBSTEP= 1

TIME= 31.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ

17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-101.84				
122	0.00000E+00	42.048				
132	0.00000E+00	3039.6				
153		129.84				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 32 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 32 SUBSTEP= 1 CUMULATIVE ITERATION= 32
TIME/FREQUENCY= 32.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 32 SUBSTEP= 1

TIME= 32.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-113.58				
122	0.00000E+00	-70.676				
132	0.00000E+00	3112.9				
153		181.01				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

```
 USE LOAD STEP    33  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    33  SUBSTEP=     1  CUMULATIVE ITERATION=    33
   TIME/FREQUENCY=  33.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    33  SUBSTEP=     1

   TIME=    33.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                  0.00000E+00
     19                                      0.00000E+00
     67                              0.00000E+00         0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00 -125.38
    122  0.00000E+00 -194.31
    132  0.00000E+00  3164.9
    153               264.37
    156               21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE   0.00000E+00  3199.3     0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    34  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    34  SUBSTEP=     1  CUMULATIVE ITERATION=    34
   TIME/FREQUENCY=  34.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    34  SUBSTEP=     1

   TIME=    34.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-131.52				
122	0.00000E+00	-268.40				
132	0.00000E+00	3172.1				
153		337.48				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 35 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 35 SUBSTEP= 1 CUMULATIVE ITERATION= 35
TIME/FREQUENCY= 35.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 35 SUBSTEP= 1

TIME= 35.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-138.03				
122	0.00000E+00	-355.57				
132	0.00000E+00	3161.7				
153		441.55				
156		21.678				
167	0.00000E+00	18.328				

TOTAL VALUES

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```
 VALUE  0.00000E+00  3199.3     0.00000E+00 0.00000
0.00000E+00


 USE LOAD STEP    36  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    36  SUBSTEP=     1  CUMULATIVE ITERATION=    36
   TIME/FREQUENCY=  36.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    36  SUBSTEP=     1

   TIME=    36.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                  0.00000E+00
     19                                      0.00000E+00
     67                          0.00000E+00             0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00 -141.74
    122  0.00000E+00 -423.47
    132  0.00000E+00  3118.3
    153               556.56
    156               21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE   0.00000E+00  3199.3     0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    37  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    37  SUBSTEP=     1  CUMULATIVE ITERATION=    37
   TIME/FREQUENCY=  37.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    37  SUBSTEP=     1
```

TIME= 37.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-142.84				
122	0.00000E+00	-473.33				
132	0.00000E+00	3044.0				
153		681.82				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 38 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 38 SUBSTEP= 1 CUMULATIVE ITERATION= 38
TIME/FREQUENCY= 38.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 38 SUBSTEP= 1

TIME= 38.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-141.50				
122	0.00000E+00	-506.40				
132	0.00000E+00	2940.9				
153		816.62				

```
   156 .              21.678
   167  0.00000E+00   18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    39  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    39  SUBSTEP=     1  CUMULATIVE ITERATION=    39
   TIME/FREQUENCY=  39.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    39  SUBSTEP=     1

   TIME=    39.000      LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                   0.00000E+00
     19                                       0.00000E+00
     67                          0.00000E+00              0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00 -137.91
    122  0.00000E+00 -523.92
    132  0.00000E+00  2811.2
    153               960.25
    156               21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    40  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    40  SUBSTEP=     1  CUMULATIVE ITERATION=    40
   TIME/FREQUENCY=  40.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****
```

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LOAD STEP= 40 SUBSTEP= 1

TIME= 40.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-132.25				
122	0.00000E+00	-527.13				
132	0.00000E+00	2657.0				
153		1112.0				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 41 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 41 SUBSTEP= 1 CUMULATIVE ITERATION= 41
TIME/FREQUENCY= 41.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 41 SUBSTEP= 1

TIME= 41.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-124.69				

```
   122  0.00000E+00 -517.29
   132  0.00000E+00  2480.4
   153               1271.2
   156               21.678
   167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     42  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     42  SUBSTEP=      1  CUMULATIVE ITERATION=     42
   TIME/FREQUENCY=  42.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     42  SUBSTEP=      1

   TIME=     42.000      LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

   NODE       FX           FY           FZ           MX           MY           MZ

     17                                                       0.00000E+00
     19                                          0.00000E+00
     67                              0.00000E+00              0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00 -115.42
    122  0.00000E+00 -495.63
    132  0.00000E+00  2283.6
    153               1437.0
    156               21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     43  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     43  SUBSTEP=      1  CUMULATIVE ITERATION=     43
   TIME/FREQUENCY=  43.000

 PRINT REACTION SOLUTIONS PER NODE
```

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 43 SUBSTEP= 1

TIME= 43.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-104.62				
122	0.00000E+00	-463.40				
132	0.00000E+00	2068.7				
153		1608.9				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 44 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 44 SUBSTEP= 1 CUMULATIVE ITERATION= 44
TIME/FREQUENCY= 44.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 44 SUBSTEP= 1

TIME= 44.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	

```
    103 - 0.00000E+00  24.831
    115   0.00000E+00  24.831
    120   0.00000E+00 -92.460
    122   0.00000E+00 -421.83
    132   0.00000E+00  1837.8
    153                1786.1
    156                21.678
    167   0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     45  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     45  SUBSTEP=      1  CUMULATIVE ITERATION=     45
   TIME/FREQUENCY=  45.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     45  SUBSTEP=      1

   TIME=     45.000       LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE       FX           FY           FZ           MX           MY           MZ

     17                                                        0.00000E+00
     19                                          0.00000E+00
     67                                0.00000E+00             0.00000E+00
    103   0.00000E+00  24.831
    115   0.00000E+00  24.831
    120   0.00000E+00 -79.132
    122   0.00000E+00 -372.19
    132   0.00000E+00  1593.1
    153                1967.9
    156                21.678
    167   0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     46  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     46  SUBSTEP=      1  CUMULATIVE ITERATION=     46
```

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```
  TIME/FREQUENCY=  46.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    46  SUBSTEP=     1

   TIME=    46.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                  0.00000E+00
     19                                      0.00000E+00
     67                              0.00000E+00         0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00 -64.813
    122  0.00000E+00 -315.70
    132  0.00000E+00  1336.6
    153               2153.5
    156               21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE   0.00000E+00  3199.3     0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    47  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    47  SUBSTEP=     1  CUMULATIVE ITERATION=    47
   TIME/FREQUENCY=  47.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    47  SUBSTEP=     1

   TIME=    47.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ
```

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17						
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-53.679				
122	0.00000E+00	-270.61				
132	0.00000E+00	1139.6				
153		2294.3				
156		21.678				
167	0.00000E+00	18.328				

TOTAL VALUES
VALUE 0.00000E+00 3199.3 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00

USE LOAD STEP 48 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 48 SUBSTEP= 1 CUMULATIVE ITERATION= 48
TIME/FREQUENCY= 48.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 48 SUBSTEP= 1

TIME= 48.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-38.018				
122	0.00000E+00	-204.87				
132	0.00000E+00	867.29				
153		2485.2				
156		21.678				
167	0.00000E+00	18.328				

TOTAL VALUES
VALUE 0.00000E+00 3199.3 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00

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```
 USE LOAD STEP     49  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     49  SUBSTEP=      1  CUMULATIVE ITERATION=     49
   TIME/FREQUENCY=  49.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     49  SUBSTEP=      1

   TIME=     49.000      LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                   0.00000E+00
     19                                       0.00000E+00
     67                            0.00000E+00            0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00 -25.858
    122  0.00000E+00 -152.71
    132  0.00000E+00  658.16
    153               2630.0
    156               21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     50  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     50  SUBSTEP=      1  CUMULATIVE ITERATION=     50
   TIME/FREQUENCY=  50.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     50  SUBSTEP=      1

   TIME=     50.000      LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES
```

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	-9.4873				
122	0.00000E+00	-82.078				
132	0.00000E+00	377.46				
153		2823.7				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 51 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 51 SUBSTEP= 1 CUMULATIVE ITERATION= 51
TIME/FREQUENCY= 51.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 51 SUBSTEP= 1

TIME= 51.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	7.0789				
122	0.00000E+00	-10.094				
132	0.00000E+00	94.458				
153		3018.2				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						

```
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     52  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     52  SUBSTEP=      1  CUMULATIVE ITERATION=     52
   TIME/FREQUENCY=  52.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     52  SUBSTEP=      1

   TIME=     52.000       LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE       FX           FY           FZ           MX           MY           MZ

     17                                                       0.00000E+00
     19                                          0.00000E+00
     67                                0.00000E+00            0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00  8.4774
    122  0.00000E+00-0.44728
    132  0.00000E+00  77.934
    153               1523.7
    156               21.678
    167  0.00000E+00  18.328

 TOTAL VALUES
 VALUE    0.00000E+00  1699.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     53  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     53  SUBSTEP=      1  CUMULATIVE ITERATION=     53
   TIME/FREQUENCY=  53.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     53  SUBSTEP=      1
```

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TIME= 53.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	16.813				
122	0.00000E+00	35.907				
132	0.00000E+00	-64.190				
153		1621.1				
156		21.678				
167	0.00000E+00	18.328				
TOTAL VALUES						
VALUE	0.00000E+00	1699.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 54 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 54 SUBSTEP= 1 CUMULATIVE ITERATION= 54
TIME/FREQUENCY= 54.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 54 SUBSTEP= 1

TIME= 54.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				

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```
    156                 3021.7
    167  0.00000E+00    18.328

 TOTAL VALUES
 VALUE    0.00000E+00   3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     55  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     55  SUBSTEP=      1  CUMULATIVE ITERATION=     55
   TIME/FREQUENCY=  55.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=     55  SUBSTEP=      1

   TIME=     55.000       LOAD CASE=    0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE       FX           FY           FZ           MX           MY           MZ

     17                                                        0.00000E+00
     19                                            0.00000E+00
     67                                0.00000E+00             0.00000E+00
    103  0.00000E+00    24.831
    115  0.00000E+00    24.831
    120  0.00000E+00    9.8909
    122  0.00000E+00    9.3030
    132  0.00000E+00    61.233
    153                 29.188
    156                 2726.2
    167  0.00000E+00    313.78

 TOTAL VALUES
 VALUE    0.00000E+00   3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     56  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     56  SUBSTEP=      1  CUMULATIVE ITERATION=     56
   TIME/FREQUENCY=  56.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****
```

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```
 LOAD STEP=     56  SUBSTEP=      1

  TIME=     56.000       LOAD CASE=    0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX            FY            FZ            MX            MY            MZ

    17                                                             0.00000E+00
    19                                                0.00000E+00
    67                                  0.00000E+00                0.00000E+00
   103   0.00000E+00   24.831
   115   0.00000E+00   24.831
   120   0.00000E+00   9.8909
   122   0.00000E+00   9.3030
   132   0.00000E+00   61.233
   153                 29.188
   156                 2453.5
   167   0.00000E+00   586.51

 TOTAL VALUES
 VALUE    0.00000E+00   3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP     57  SUBSTEP      1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=     57  SUBSTEP=      1  CUMULATIVE ITERATION=     57
   TIME/FREQUENCY=  57.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


 LOAD STEP=     57  SUBSTEP=      1

  TIME=     57.000       LOAD CASE=    0

 THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

  NODE       FX            FY            FZ            MX            MY            MZ

    17                                                             0.00000E+00
    19                                                0.00000E+00
    67                                  0.00000E+00                0.00000E+00
   103   0.00000E+00   24.831
   115   0.00000E+00   24.831
   120   0.00000E+00   9.8909
```

```
   122 · 0.00000E+00  9.3030
   132  0.00000E+00  61.233
   153               29.188
   156               1226.2
   167  0.00000E+00  313.78

 TOTAL VALUES
 VALUE    0.00000E+00  1699.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    58  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    58  SUBSTEP=     1  CUMULATIVE ITERATION=    58
   TIME/FREQUENCY=  58.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    58  SUBSTEP=     1

   TIME=    58.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                  0.00000E+00
     19                                      0.00000E+00
     67                          0.00000E+00             0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00  9.8909
    122  0.00000E+00  9.3030
    132  0.00000E+00  61.233
    153               29.188
    156               1089.9
    167  0.00000E+00  450.15

 TOTAL VALUES
 VALUE    0.00000E+00  1699.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    59  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    59  SUBSTEP=     1  CUMULATIVE ITERATION=    59
   TIME/FREQUENCY=  59.000

 PRINT REACTION SOLUTIONS PER NODE
```

Page B 694

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 59 SUBSTEP= 1

TIME= 59.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		1612.6				
167	0.00000E+00	1427.4				
TOTAL VALUES						
VALUE	0.00000E+00	3199.3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

USE LOAD STEP 60 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 60 SUBSTEP= 1 CUMULATIVE ITERATION= 60
TIME/FREQUENCY= 60.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 60 SUBSTEP= 1

TIME= 60.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	

Page B 695

```
   103  0.00000E+00  24.831
   115  0.00000E+00  24.831
   120  0.00000E+00  9.8909
   122  0.00000E+00  9.3030
   132  0.00000E+00  61.233
   153               29.188
   156               1339.9
   167  0.00000E+00  1700.1

 TOTAL VALUES
 VALUE   0.00000E+00  3199.3     0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    61  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    61  SUBSTEP=     1  CUMULATIVE ITERATION=    61
   TIME/FREQUENCY=  61.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    61  SUBSTEP=     1

   TIME=    61.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                  0.00000E+00
     19                                      0.00000E+00
     67                          0.00000E+00             0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00  9.8909
    122  0.00000E+00  9.3030
    132  0.00000E+00  61.233
    153               29.188
    156               1067.1
    167  0.00000E+00  1972.9

 TOTAL VALUES
 VALUE   0.00000E+00  3199.3     0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    62  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    62  SUBSTEP=     1  CUMULATIVE ITERATION=    62
```

Page B696

```
  TIME/FREQUENCY=  62.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    62  SUBSTEP=     1

   TIME=    62.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ

     17                                                   0.00000E+00
     19                                       0.00000E+00
     67                              0.00000E+00          0.00000E+00
    103  0.00000E+00  24.831
    115  0.00000E+00  24.831
    120  0.00000E+00  9.8909
    122  0.00000E+00  9.3030
    132  0.00000E+00  61.233
    153               29.188
    156               794.41
    167  0.00000E+00  2245.6

 TOTAL VALUES
 VALUE    0.00000E+00  3199.3      0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00


 USE LOAD STEP    63  SUBSTEP     1  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=    63  SUBSTEP=     1  CUMULATIVE ITERATION=    63
   TIME/FREQUENCY=  63.000

 PRINT REACTION SOLUTIONS PER NODE

  ***** POST1 TOTAL REACTION SOLUTION LISTING *****


  LOAD STEP=    63  SUBSTEP=     1

   TIME=    63.000      LOAD CASE=   0


  THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES


   NODE      FX          FY          FZ          MX          MY          MZ
```

17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		521.68				
167	0.00000E+00	2518.3				

TOTAL VALUES
VALUE 0.00000E+00 3199.3 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00

USE LOAD STEP 64 SUBSTEP 1 FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP= 64 SUBSTEP= 1 CUMULATIVE ITERATION= 64
TIME/FREQUENCY= 64.000

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 64 SUBSTEP= 1

TIME= 64.000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN GLOBAL COORDINATES

NODE	FX	FY	FZ	MX	MY	MZ
17					0.00000E+00	
19				0.00000E+00		
67			0.00000E+00		0.00000E+00	
103	0.00000E+00	24.831				
115	0.00000E+00	24.831				
120	0.00000E+00	9.8909				
122	0.00000E+00	9.3030				
132	0.00000E+00	61.233				
153		29.188				
156		271.68				
167	0.00000E+00	2768.3				

TOTAL VALUES
VALUE 0.00000E+00 3199.3 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00

EXIT THE ANSYS POST1 DATABASE PROCESSOR

```
***** ROUTINE COMPLETED *****  CP =        46.460


***** END OF INPUT ENCOUNTERED *****

PURGE ALL SOLUTION AND POST DATA
SAVE ALL MODEL DATA

ALL CURRENT ANSYS DATA WRITTEN TO FILE NAME= file.db
 FOR POSSIBLE RESUME FROM THIS POINT


NUMBER OF WARNING MESSAGES ENCOUNTERED=          0
NUMBER OF ERROR   MESSAGES ENCOUNTERED=          0
```

APPENDIX C

Kaiser Engineers Calculation No. ER-6057-C-001
(Without Attachments)

WHC-SD-SNF-DA-003, Rev-0, Page C-2

KAISER ENGINEERS HANFORD	CALCULATION IDENTIFICATION AND INDEX	Page i of ii Date November 3, 1994

This sheet shows the status and description of the attached Design Analysis sheets.

Discipline 24 Structural WO/Job No. ER-6057 Calculation No. ER-6057-C-001

Project No. & Name Critical Lift K Basin

Calculation Item Below The Hook Lifting Device

These calculations apply to:

Dwg. No. H-1-80478 Rev. No. 0

Dwg. No. Rev. No.

Other (Study, CDR) Rev. No.

The status of these calculations is:

[ ] Preliminary Calculations

[X] Final Calculations

[ ] Check Calculations (On Calculation Dated)

[ ] Void Calculation (Reason Voided)

Incorporated in Final Drawings? [X] Yes [ ] No

This calculation verified by independent "check" calculations? [ ] Yes [X] No

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To SUNIL KANTICAL	From BILL FRISK
Co.	Co.
Dept.	Phone # 373-3946
Fax # 376-7382	Fax # 373-9195

Original and Revised Calculation Approvals:

	Rev. 0 Signature/Date	Rev. 1 Signature/Date	Rev. 2 Signature/Date
Originator	11/4/94		
Checked by	John W Funk 11/4/94		
Approved by	11/4/94		
Checked Against Approved Vendor Data			

INDEX

Design Analysis Page No.	Description
1	OBJECTIVE, CRITERIA, METHODS, REFERENCES, ASSUMPTIONS, CONCLUSIONS
2	BODY OF CALCULATION
ATTACHMENT	ATTACHMENT 1 (DRAWING H-1-80478)
	ATTACHMENT 2 Lifting Eye Sketch
	ATTACHMENT 3 Rod Hanger Cut Sheet

CALCULATION CROSS INDEX (Typical)

Subject Calculation No. EIR-6057-C-0001

Subject Calculation Revision No.	Superceded by Calculation No.	These interfacing calculation/documents provide input to the subject calculation, and if revised may require revision of the subject calculation.		Results and conclusions of the subject calculation are used in these interfacing calculations and/or documents.		Does the output interface calculation/ documents require revision?		Has the output interface calculation/ documents been revised?		Discipline manager's signature and date indicating evaluation complete.
		Calculation/Document No.	Revision No.	Calculation/Document No.	Revision No.	Yes	No	Yes	No	
0	—	—	—	—	—	—	—	—	—	

WHC-SD-SNF-DA-CC3, Rev 0, Page 3

KAISER ENGINEERS HANFORD

Calc. No. ER6057--C-001
Revision 0
Page No. 1 of 5

DESIGN ANALYSIS

Client ICF KAISER HANFORD
WO/Job No. ER-6057
Subject Below The Hook Lifting Device For Monorail Trolley
Date 11/03/94 By N.C. JASPER
Checked 11/4/94 By J. W. Fuel
Location Basin Area 100 KE and 100 KW
Revised _____ By _____

OBJECTIVE

The objectives of this calculation are listed below:

1. Design a lifting device for handling a large (2800#) steel door. The device will be used as an attachment to the existing monorail system. The load limit placed on this device (4000#) will insure that the load limit of the monorails (2000#/ft.) will not be exceeded.

2. Show that an existing lifting eye can safely carry the full weight of the door (calc for 3000#).

3. Show that a section of the existing monorail (the south end of the basin at the discharge chute) can safely support the full weight of the door (calc for 3000#).

CRITERIA

* LOI No. 2A640-KH-94088 Dated August 23 1994, TO: J. E. Orchard FROM A. H Keck, WHC Manager.

METHODS

HAND CALCULATIONS

REFERENCES

1. SDC 4.1, REV 12
2. AISC STEEL CONSTRUCTION MANUAL, 9TH EDITION, ASD
3. Design of Welded Structures - Blodgett 1991
4. Steel Structures - Salmon and Johnson 1980
5. Hanford Site Hoisting and Rigging Manual

ASSUMPTIONS

1. ALL WORK IS SAFETY CLASS 3.
2. LOAD CAPACITY OF THE MONORAIL IS 2000#.

CONCLUSIONS

SEE BODY OF THE CALCULATION.

KAISER ENGINEERS HANFORD

Calc. No. ER6057-C-001
Revision 0
Page No. 2 of 5

DESIGN ANALYSIS

Client ICF KAISER HANFORD
WO/Job No. ER-6057
Subject Below The Hook Lifting Device For Monorail Trolley
Date 11/03/94 By N.C. JASPER
Checked 11/4/94 By J W. Funk
Location Basin Area 100 KE and 100 KW
Revised _____ By _____

Objective Item 1.: Design a lifting device for handling a large (2800#) steel door. The device will be used as an attachment to the existing monorail system. The load limit placed on this device (4000#) will insure that the load limit of the monorails (2000#/ft.) will not be exceeded.

The spreader bar for this device will be a W4 x 13. Check the adequacy of this member with a 4000# load applied at midspan. The span will be less than 36" :

Calculate bending moment:

$$M = PL/4 = (4 \text{ kips} \times 36")/4 = 36 \text{ k"}$$

Calculate bending stress:

$$f_B = M/S_x = 36 \text{ k"}/5.46 \text{ in}^3 = 6.6 \text{ ksi}$$

NOTE: F.S. = 24 ksi (0.66 F_y) / 6.6 ksi (f_B)
F.S. = 3.6 > 3 ok (Ref 5 Section 11.3.1)

W4 x 13 ok for bending:

NOTE: Install 3/8" web stiffener on each side of pad eye - see Attachment 1.

Check welds:

The minimum weld will be the two 5" beads of 3/16 fillet weld between the W4 x 13 and the TS 6 x 6 x 1/4 see the attached drawing - Attachment 1. This 10" of weld will carry 2 kips or 0.2 k/" which is less than 2.78 k/" allowed. See Ref 4 page 211 Table 5.13.1. The welds are ok.

The four 5/8 diameter bolts will see 1 kip each and are ok by inspection.

This lifting device is adequate for the use described.

DESIGN ANALYSIS

Client ICF KAISER HANFORD
WO/Job No. ER-6057
Subject Below The Hook Lifting Device For Monorail Trolley
Date 11/03/94 By N.C. JASPER
Checked 11/4/94 By J.W. Funk
Location Basin Area 100 KE and 100 KW
Revised _____ By _____

Objective Item 2.: Show that an existing 5/8" lifting eye can safely carry the full weight of the door (calc for 3000#).

See Attachment 2. Check the existing W8 x 13 for bending

Calculate bending moment:

$$M = PL/4 = (3 \text{ kips} * 60")/4 = 45 \text{ k"}$$

Calculate bending stress:

$$f_B = M/S_x = 45 \text{ k"}/9.91 \text{ in}^3 = 4.5 \text{ ksi}$$

NOTE: F.S. = 24 ksi (0.66 F_y) / 4.5 ksi (f_B)
F.S. = 5.3 > 3 ok (Ref 5 Section 11.3.1)

W8 x 13 ok for bending:

Check welds:

The existing weld is made up of two 6" beads of 1/2 (say 3/16) fillet weld between the W8 x 13 and the lifting eye, see Attachment 2. This 12" of weld will carry 3 kips or 0.25 k/" which is less than 2.78 k/" allowed. See Ref 4 page 211 Table 5.13.1. The welds are ok.

This device is adequate for the use described.

DESIGN ANALYSIS

Client ICF KAISER HANFORD
WO/Job No. ER-6057
Subject Below The Hook Lifting Device For Monorail Trolley
Date 11/03/94 By N.C. JASPER
Checked 11/4/94 By J.W. Fash
Location Basin Area 100 KE and 100 KW
Revised _____ By _____

Objective Item 3.: Show that a section of the existing monorail (the south end of the basin at the discharge chute) can safely support the full weight of the door (calc for 3000#).

The actual load capacity of the monorail is not known. This portion of the calculation will show that the monorail in the discharge chute area can safely carry a 3000# load. Only one section of the monorail system will be analyzed. The section to be analyzed is the longest span of rail (the span is 4'-0" long, however, it will be analyzed as a 6'-0" span). The 7/8" diameter rod hangers that suspend the monorail steel from the support steel above will also be analyzed. The support steel will not be analyzed. The load that will be passed to the support steel is actually a trivial load (compared to the load capacity of the support steel) and may, therefore, be safely neglected. The monorail will actually see a load applied at two points 15" apart. Conservatively say that the load will be applied as a point load:

Calculate bending moment:

$M_x = PL/4 = (3 \text{ kips} * 1.25 * 60")/4 = 56.3$ k" NOTE: Add 25% Sect A4 2&3 Ref. 2

$M_y = PL/4 = (3 \text{ kips} * 0.2 * 60")/4 = 9.0$ k" NOTE: Use 20% Sect A4 2&3 Ref. 2

Calculate compressive load:

$P = 0.10 * 3 \text{ kips} = 0.3 \text{ kips}$ NOTE: Use 10% Sect A4 3 Ref. 2

Calculate bending stress based on S5 x 10:

NOTE: Measurements taken in the field are as follows - $b_f = 3"$, $d = 5"$, $t_w = 1/4"$ and $t_f = 5/16"$. Use S5 x 10 $S_x = 4.92 \text{ in}^3$, $S_y = 0.809 \text{ in}^3$ Ref. 2

$f_{bx} = M/S_x = 45 \text{ k"}/4.92 \text{ in}^3 = 9.1 \text{ ksi}$

$f_{by} = M/S_y = 9.0 \text{ k"}/0.809 \text{ in}^3 = 11.1 \text{ ksi}$

Check for compact section:
$b/t = (0.5 * 5")/0.326" = 7.7$

$65/(F_y)^{1/2} = 10.8 > 7.7$ - Section is compact and $F_b = 0.66\ F_y = 24$ ksi

Calculate L_c:

$L_c = 76*b_f/(F_y)^{1/2} = 76 * 3 / 6 = 38" < 6'\text{-}0"$ Use eqn F1-8

$F_{bx} = (10^3) /(1 *d/A_f) = 1000/6*5.10 = 32.7$ Use $0.6\ F_y = 22$ ksi

$F_{by} = 0.75 *F_y = 0.75 * 36 = 27$ ksi

DESIGN ANALYSIS

Client ICF KAISER HANFORD
WO/Job No. ER-6057
Subject Below The Hook Lifting Device For Monorail Trolley
Date 11/03/94 By N.C. JASPER
Checked 11/4/94 By J. V. Funk
Location Basin Area 100 KE and 100 KW
Revised _____ By _____

Calculate interaction of combined stresses use H1-3:

$Kl/r = 1.0 * 72/0.643 = 111$ and $F_a = 11.54$ ksi Ref 2 Table C-36

$f_a/F_a = (0.3 \text{ kips}/2.94 \text{ sq. in.})/11.54 = 0.009$ OK use H1-3

$f_a/F_a + f_{bx}/F_{bx} + f_{by}/F_{by} \leq 1.0$

$0.009 + 9.1/22 + 11.1/27 = 0.83 < 1.0$ OK

Check deflection in the x direction. Use 4'-0" span for accuracy:

$d = PL^3/48EI = 3*48^3/48*29000*12.3 = 0.02"$ trivial OK

Check the Rod Hangers:

Assume that the full load (3000#) will be carried by one rod hanger. See Attachment 3. Note that clamp #3 has a capacity of 3750#. Clamp #3 is a close approximation of the rod hangers used to carry the existing monorail. The existing clamps are safe for the loading described above.

The existing monorail is OK to use as described.

APPENDIX D

KOON-HALL TESTING REPORT

Koon-Hall Testing Corporation

KHTC

Industry's Partner in Material Quality

PHONE: 503-653-2904
FAX: 503-653-9591

May 31, 1995

RECEIVED
JUN - 7 1995
W. A. FRIER

Mr. Bill Smith, Purchasing
Westinghouse Hanford Company
P.O. Box 1970
Richland, WA 99352

Ref: P.O. WBS-VVV-412047

Dear Bill,

The following data is provided in compliance with item E20A, CERTIFICATION OF CALIBRATION (E20), of the purchase order referenced above:

A chemical analysis was performed on each of the (2) End Beam Clamps by Metal Analysis, Inc., using a Thermo Jarell Ash ICP unit. The attached sheet show the limits of error for each of the elements the equipment is capable of analyzing.

Correlation between your samples and our lab numbers are as follows:

KHTC Lab#	WHC Item	Location
N3386-2	End Beam Clamp	Room #3
N3387-2	End Beam Clamp	Chiller Bay

Sincerely,

Kelly A. Lee

Kelly A. Lee
Assistant Quality Assurance Manager

attachment

CHEMICAL ANLYSIS METAL ANALYSIS INC. DATE: 12-15-1992 INDEPENDENT LAB FIGURE 2(a) - Chemical Laboratory
CAPABILITIES
SELF-CALIBRATING" Methods and equipment Page of CODE: W , XD

ELEMENT	DETECTION RANGE MIN %	MAX %	PRECISION sr MIN	MAX	EXTRAPOLATION LIMITS %	ALLOY GROUPS RESTRICTIONS	METHOD	ALLOY GROUP	EQUIPMENT	EXCITATION SOURCE	STANDARDS USED	CALIBRATION FREQUENCY	ROUND ROBIN
FE		50	0.397	0.85	30 - 10	IRON BASE	ICP	IRON	THERMO	INDUCTIVELY	1.NIST	BEFORE EACH	EXTERNAL
MN	0.011	50	0.005	0.45	30 - 10	IRON BASE	ICP	BASE	JARELL	COUPLED	2.IARM	ANALYSIS	INTERNAL
P	0.005	50	0.003	0.45	30 - 10	IRON BASE	ICP	"	ASH	PLASMA	3.ARMCO		
SI	0.006	50	0.003	0.45	30 - 10	IRON BASE	ICP	"			4.WILLAN		
NI	0.025	50	0.012	0.45	30 - 10	IRON BASE	ICP	"			5.CARTECH		
CR	0.009	50	0.007	0.45	30 - 10	IRON BASE	ICP	"					
MO	0.004	50	0.002	0.45	30 - 10	IRON BASE	ICP	"					
CU	0.002	50	0.001	0.45	30 - 10	IRON BASE	ICP	"					
W	0.008	50	0.004	0.45	30 - 10	IRON BASE	ICP	"					
V	<0.001	50	<0.001	0.45	30 - 10	IRON BASE	ICP	"					
CO	0.003	50	0.001	0.45	30 - 10	IRON BASE	ICP	"					
AL	0.003	50	0.002	0.45	30 - 10	IRON BASE	ICP	"					
NB	<0.001	50	<0.001	0.45	30 - 10	IRON BASE	ICP	"					
TI	<0.001	50	<0.001	0.45	30 - 10	IRON BASE	ICP	"					
ZN	0.013	50	0.007	0.45	30 - 10	IRON BASE	ICP	"					
ZR	0.001	50	<0.001	0.45	30 - 10	IRON BASE	ICP	"					
SN	0.008	50	0.004	0.45	30 - 10	IRON BASE	ICP	"					
TA	0	50	0.012	0.45	30 - 10	IRON BASE	ICP	"					

RECEIVED
JUN 7 1995
W. A. FRIER

KOON-HALL TESTING CORPORATION

KHTC

5687-A S.E. INTERNATIONAL WAY
PORTLAND, OREGON 97222

TELEPHONE
503-653-2904
FAX 503-653-9591

CUSTOMER SAMPLE DESCRIPTION

CUSTOMER: WESTINGHOUSE HANFORD COMPANY — PAGE 1 OF 1

ORDER NUMBER: P.O. WBS-VVV-412047

SPECIFICATIONS: ASTM E18-93

TEST DESCRIPTION: ROCKWELL HARDNESS TEST (HRB) AND CHEMISTRY

MATERIAL IDENTITY: STEEL; END BEAM CLAMP; ROOM #3

RECEIVED
JUN 7 1995
W.A. FRIER

DATE: 5-31-95

WORK ORDER: 89746

CERTIFICATION

LABORATORY NUMBER	ROCKWELL HARDNESS (HRB) READING 1	READING 2	READING 3	READING 4	AVERAGE	
N3386-1	91.5	90.0	94.5	91.0	92.0	
N3386-2	CHEMISTRY(%)					
CARBON	0.36					
MANGANESE	1.57					
SILICON	0.22					
PHOSPHORUS	0.013					
SULFUR	0.007					
	ANALYTICAL FACILITY: METAL ANALYSIS, INC.					
	NO SPECIFIED REQUIREMENTS					
	VALUES FOR INFORMATION ONLY					

SEE REVERSE SIDE FOR STATEMENT OF WARRANTIES

KH-3A

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MATERIAL TESTING LABORATORY

BY Kenneth A. Lee KHTC

PAGE - D-5

KOON-HALL TESTING CORPORATION

KHTC

5687-A S.E. INTERNATIONAL WAY
PORTLAND, OREGON 97222

TELEPHONE
503-653-2904
FAX 503-653-9591

CUSTOMER SAMPLE DESCRIPTION

CUSTOMER: WESTINGHOUSE HANFORD COMPANY — PAGE 1 OF 1

ORDER NUMBER: P.O. WBS-VVV-412047

SPECIFICATIONS: ASTM E18-93

TEST DESCRIPTION: ROCKWELL HARDNESS TEST (HRB) AND CHEMISTRY

MATERIAL IDENTITY: STEEL; END BEAM CLAMP; CHILLER BAY

RECEIVED
JUN 7 1995
W.A. FRIER

DATE: 5-31-95

WORK ORDER: 89746

CERTIFICATION

LABORATORY NUMBER	ROCKWELL HARDNESS (HRB) READING 1	READING 2	READING 3	READING 4	AVERAGE	
N3387-1	94.0	90.5	93.0	96.0	93.5	
N3387-2	CHEMISTRY(%)					
CARBON	0.33					
MANGANESE	1.46					
SILICON	0.22					
PHOSPHORUS	0.013					
SULFUR	0.009					
	ANALYTICAL FACILITY: METAL ANALYSIS, INC.					
	NO SPECIFIED REQUIREMENTS					
	VALUES FOR INFORMATION ONLY					

SEE REVERSE SIDE FOR STATEMENT OF WARRANTIES

KH-3A

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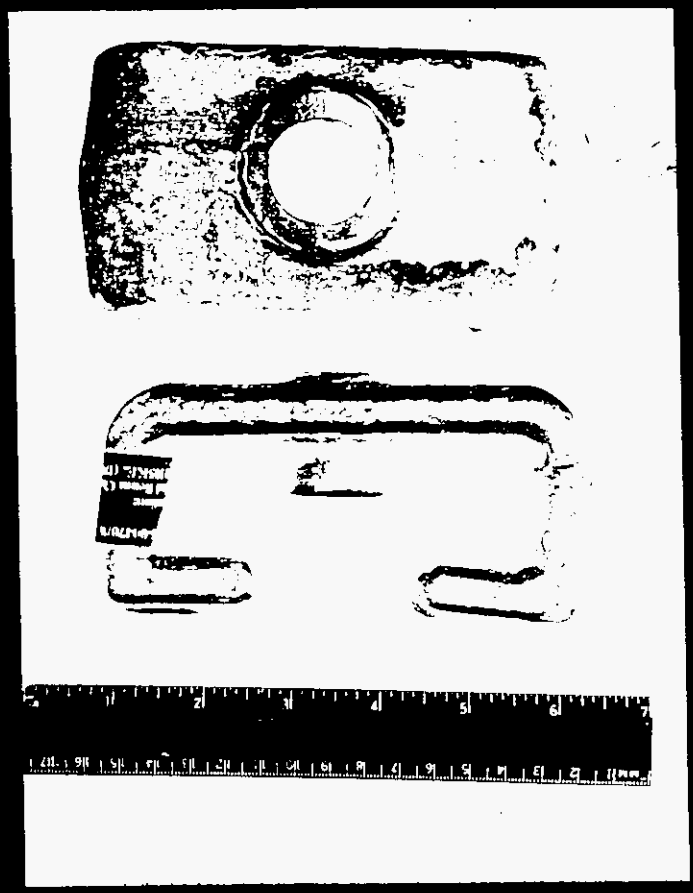
MATERIAL TESTING LABORATORY

BY Kelly A. Lee KHTC 6

A-C-SD-NF-OA-003
DEV-0, PAGE-D-6



DISTRIBUTION SHEET

To	From	Page 1 of 1
W. A. Frier	ICF KH SNF Engineering	Date 11/17/95
Project Title/Work Order		EDT No. 612866
Structural Analysis of 105 K Storage Basin Monorails		ECN No. N/A

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
BHI					
R. D. Deatherage	X7-02	X			
M. R. Morton	T7-15	X			
ICF KH					
J. I. Dearing	S0-04	X			
S. K. Kanjilal	S0-04	X			
J. E. Orchard	X3-73	X			
J. S. Stair	X2-90	X			
J. L. Wise	X3-85	X			
M. E. Witherspoon	R3-83	X			
WHC					
B. S. Carlisle	X3-71	X			
J. D. Crockett	X3-57	X			
C. DeFigh-Price	X3-79	X			
J. I. Diehl	X3-80	X			
W. A. Frier	X3-74	X			
J. J. Jernberg	X3-85	X			
J. D. Mathews	X3-61	X			
C. T. Miller	X3-72	X			
W. C. Mills	X3-79	X			
J. W. Osborne	X3-80	X			
J. P. Schmidt	X3-74	X			
D. W. Siddoway	X3-71	X			
S. A. Slinn	X3-74	X			
C. A. Thompson	R3-85	X			
M. J. Wiemers	X3-85	X			
Central Files (2)	A3-88	X			
SNF Project Files	R3-11	X			
A. Seager	X3-85	X			