ENGINEERING DATA TRANSMITTAL

Page 1 of 1

1. EDT 605918

2. To: (Receiving Organization) South General Area Services	3. From: (Originating Organization) Structural Assessments	4. Related EDT No.: N/A
5. Proj./Prog./Dept./Div.: Roof Inspections	6. Cog. Engr.: R. M. McCoy	7. Purchase Order No.: N/A
8. Originator Remarks: This reports the results of the load test of the 3701D Building roof deck and support structure		9. Equip./Component No.: N/A
		10. System/Bldg./Facility: N/A
11. Receiver Remarks:		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date: 06/29/94

15.				DATA TRANSMITTED	(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Impact Level	Reason for Trans-mittal	Origi-nator Dispo-sition	Receiv-er Dispo-sition
1	WHC-SD-GN-TRP-30011		0	Load Test of the 3701D Building Roof Deck and Support Structure	SQ	1	1	

16.	KEY		
Impact Level (F)	Reason for Transmittal (G)		Disposition (H) & (I)
1, 2, 3, or 4 (see MRP 5.43)	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

(G)	(H)	17. SIGNATURE/DISTRIBUTION (See Impact Level for required signatures)							(G)	(H)
Rea-son	Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date (M) MSIN	Rea-son	Disp.
1	1	Cog.Eng. R. M. McCoy		8-1-94	H5-55					
1	1	Cog. Mgr. T. J. Conrads		8/2/94	H5-55					
1	1	QA A.K. Sharma	Aushan	9/6/94	H5-60					
1	1	Safety C.M. Hartman		8/3/9	R3-54	S6-21				
		Env.								

18. R. M. McCoy 8-1-94 Signature of EDT Originator	Date	19. W. M. Hays Authorized Representative Date for Receiving Organization	20. T. J. Conrads 9/12/94 Cognizant/Project Engineer's Manager	Date	21. DOE APPROVAL (if required) Ltr. No. N/A [] Approved [] Approved w/comments [] Disapproved w/comments

BD-7400-172-2 (07/91) GEF097

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RELEASE AUTHORIZATION

Document Number:	WHC-SD-GN-TRP-30011, REV. 0
Document Title:	Load Test of the 3701D Building Roof Deck and Support Structure
Release Date:	9/14/94

* * * * * * * * * * * *

This document was reviewed following the procedures described in WHC-CM-3-4 and is:

APPROVED FOR PUBLIC RELEASE

* * * * * * * * * * * *

WHC Information Release Administration Specialist:

N. L. Solis   <u>N.L. SOLIS</u>   _9/14/94_

     (Signature)   **(Date)**

SUPPORTING DOCUMENT

	1. Total Pages 88 87

2. Title	3. Number	4. Rev No.
Load Test of the 3701D Building Roof Deck and Support Structure	WHC-SD-GN-TRP-30011	0

5. Key Words	6. Author
roof inspections, load test	Name: R. M. McCoy

APPROVED FOR PUBLIC RELEASE
9/14/94 N. Solee

Signature

Organization/Charge Code 8D440/MD2GA

7. Abstract

This reports the results of the load test of the 3701D Building roof deck and support structure

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9. Impact Level SQ

10. RELEASE STAMP

OFFICIAL RELEASE (21)
BY WHC
DATE SEP 16 1994
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MASTER

A-6400-073 (11/91) (EF) WEF124

TEST REPORT

WHC-SD-GN-TRP-30011

Revision 0

LOAD TEST OF THE 3701D BUILDING ROOF DECK AND SUPPORT STRUCTURE

For Personnel Access Using
a Remotely Operated Robot

Prepared By: _R. M. McCoy_   Date: _7-21-94_
R. M. McCoy, Senior Engineer
Structural Assessments

Reviewed By: _R. A. Giller_   Date: _8-1-94_
R. A. Giller, Senior Engineer
Structural Assessments

Approved By: _T. J. Conrads_   Date: _8/2/94_
T. J. Conrads, Manager
Structural Assessments

WESTINGHOUSE HANFORD COMPANY
Hanford Operations and Engineering Contractor
for the Department of Energy

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CONTENTS

1.0   INTRODUCTION

The 3701D Building roof area was load tested according to the approved
load-test procedure, WHC-SD-GN-TP-30015, Revision 0, as modified below. The
3701D Building is located in the 300 Area of the Hanford Site and has the
following characteristics:

- Roof deck - metal decking supported by steel purlins and cast-in-place
  reinforced concrete over the vault

- Roof membrane - tar and gravel

- Roof slope - flat (<10 deg)

- Roof elevation - maximum height of about 16 ft.

The 3701D Building was visited in August 1992 for a visual inspection,
but because of insulation and a rigid ceiling an inspection could not be
performed in the garage area and the vault. The building was revisited in
March 1994 for the purpose of writing this test report. Because the roof
could not be inspected, a test was determined to be the best way to qualify
the roof for personnel access.

2.0   SUMMARY

The 3701D Building roof was load tested according to the approved load-
test procedure, WHC-SD-GN-TP-30015, Revision 0; the specific directions of
this test report were followed. The test was performed on July 16, 1994, from
7:00 a.m. to 7:30 a.m.

All pre-test approvals and pre-test checklist items were signed off as
shown in Sections 3.3, 3.4, and 3.5 below. On the day of the test, the pre-
test briefing was held. The pre-test briefing consisted of filling out the
pre-test checklist, discussing proper lifting techniques, reviewing the fall-
protection plan, reviewing the job hazards analysis, and reviewing the robot
travel path.

The load-test results consist of visual observations and the test
engineer's conclusions. Visual observations found no adverse conditions such
as large deflections or permanent deformations. No deflection measurements
were recorded because the tar and gravel on roofs get displaced by the robot
tracks; the result is large variations in deflection measurements.

The conclusions are that the roof has been qualified for 500-lb total
roof load and that the "No Roof Access" signs can be changed to "Roof Access
Restricted" signs as described in section 4.3.

3.0 LOAD TEST

3.1 LOAD-TEST RISKS

Roof load tests involve risks. These risks must be addressed and mitigated by the load-test team and the results accepted or rejected by Safety and the building manager before the test begins. The risks associated with the roof load test fall into two categories: personnel injury and building or equipment damage.

Personnel risks are minimized by evacuating and barricading the work areas, testing the procedure steps, and verifying that the risks are acceptable. Test personnel are also protected by procedures that incorporate job hazards analyses and fall-protection evaluations.

The risks to buildings, building equipment, and the robot are much higher than those for personnel and were evaluated on the basis of the following cost-benefit evaluation based on the 25 buildings to be tested initially.

- Roof access is needed for routine maintenance of roof-mounted equipment, roof membrane repair, and re-roofing work.

- The estimated cost of load testing a roof is $8,000 per building including the cost of the robot, equipment, and test plan development.

- The estimated cost to move roof-mounted equipment to the ground level is more than $10,000 per building.

- The estimated cost to remove and replace rigid drywall ceilings so that the roof can be inspected rather than tested is more than $50,000 per building.

- If a robot falls through the roof, the financial losses are the cost of the robot @ $50,000 and the repair of building equipment @ $10,000. [Note: Damage to the building is not included because the roof would have to be repaired anyway.]

Possible damage to building, equipment, and robot is a cost-only risk that is mitigated as follows.

- Visual inspections shall be performed to look for deterioration and test feasibility.

- Expensive equipment is removed from the test areas and the areas beneath.

- The roof is evaluated structurally to verify that, as designed, it is adequate to support the robot.

- Testing of roofs that perform poorly, such as pre-cast concrete or gypsum materials, or structurally suspect roofs will be avoided. Testing of these roofs shall be contingent on further cost-benefit analyses.

- Test failures are expected to be localized, e.g., one wheel of the robot punches through the roof membrane. During the test, deflections are monitored so that if a local failure occurs the test can be stopped before the whole robot falls through the roof.

- Thought was given to tethering the robot to anchor points or overhead cranes. However, it would cost an estimated $10,000 per building (for a total of $250,000) to secure the $50,000 robot. Additionally, the sudden snap of the securing cable system or crane boom movement would be more dangerous to the robot operators than letting the robot free fall.

- Visual inspection and load testing of the 2101M Building, indicated that deterioration of the metal decking was limited to small areas and occurred in localized flutes. This localized deterioration has had little effect on the strength of the deck.

  Deterioration of localized flutes does not provide a means for the robot to fall through the roof deck. The tracks on the robot will prevent it from completely falling through the deck.

- Visual inspections and load testing of buildings with cast-in-place concrete, has shown deterioration to be minor and to have minor effect on the strength of the concrete.

3.2 TEST PROCEDURE

- The test engineer was designated as R. M. McCoy.

- The 3701D Building roof area was visited for inspection in August 1992; an inspection of the roof could not be performed because of insulation and rigid ceiling in the garage area and vault.

- Deflection calculations (Appendix A) indicate a maximum deflection for 1,000 lb of 0.01 in. for the cast-in-place concrete and 0.51 in. for the metal decking.

- The building plan provided in Appendix B indicates the test area, the observation area, the route that the robot will take to get to and from the roof, and the route the robot will take to test the roof.

- The test engineer has prepared this test report and obtained the pre-test approvals indicated in Section 3.3.

- The job hazards analysis appears in Appendix C.

- A fall-protection program appears in Appendix D.

- Pre-job briefing minutes appear in Appendix E.

- The 3701D Building houses personnel on a full-time basis. The interior of the building shall be barricaded off with "CAUTION" tape and posted with "DANGER" signs.

- The area around the exterior of the building where the load test is being performed shall be barricaded off at ground level with "CAUTION" tape, and all doors leading into the test area shall be posted with "DANGER" signs.

- Observation ladders and platforms are required for this load test.

- The qualified robot operator for this test shall be R. M. McCoy.

- The robot is to be placed on the roof with the use of the scissors lift.

- The robot shall move across the roof following the path specified on the building plan in Appendix B. The first pass shall be made with an unloaded robot (600 lb). The second pass shall be made with the fully loaded robot (1,062 lb). Note: The fully loaded robot weighs 1,062 lb; that weight divided by the robot footprint yields a uniform load under the robot of 90 lb/ft^2.

- The test engineer shall observe the movement of the robot and look for abnormally large or permanent deflections. The test engineer shall base the pass/fail determination on these observed deflections. [Note: This pass/fail determination deviates from the approved test procedure.] Failed roof deck and support members shall be considered unsafe to walk on or under, and appropriate safety measures shall be taken by the building manager.

- The robot shall be removed from the roof after this test with the use of a scissors lift.

- The test engineer or building manager shall remove the load-test postings following the test.

- The building manager shall post the building as unsafe, as required, on the basis of the results of the load testing or at the recommendation of Industrial Safety.

- The test engineer shall complete this test report.

3.3 PRE-TEST APPROVALS, RELEASE TO PROCEED

Your signature on this form signifies your agreement with this roof deck load-test plan, and with the pre-test checklist items. The load test may proceed anytime within three months of signing this form.

R. M. McCoy/ _R. M. McCoy_ _____ Date: _6-14-94_
Test Engineer (Printed/Signature)

T. J. Conrads/ _T. J. Conrads_ _____ Date:_6-15-94_
Central Engineering Management (Printed/Signature)

C. M. Hartman/ _CMH_ _____ Date:_0-15-94_
Industrial Safety (Printed/Signature)

A. K. Sharma/ _AK Sharma_ _____ Date:_7/12/94_
Quality Assurance (Printed/Signature)

W. H. Hays/ _____ Date:_6/22/94_
Building Manager (Printed/Signature)

3.4 TEST ENGINEER'S QUALIFICATION

*   Degree or equivalent work experience in structural, civil, or mechanical engineering fields.

*   Two years of combined field and analysis experience in the design, evaluation and construction of building structures.

*   Experience in the construction materials of the building being tested, e.g., steel concrete, or wood.

*   Approval of the engineering manager shall testify to the ability and credentials of the test engineer.

R. M. McCoy/ _R. M. McCoy_ _____ Date: _6-14-94_
Test Engineer (Printed/Signature)

T. J. Conrads/ _T. J. Conrads_ _____ Date: _6-29-94_
Manager (Printed/Signature)

3.5 PRE-TEST CHECKLIST

STEP	SIGNATURE		DATE
BEFORE THE LOAD TEST IS SCHEDULED:			
Verify that an attempt was made to inspect the roof visually, to find deficiencies and to determine the feasibility of making a load test.	R. M. muly	Ausham	5-2-94
Verify that the roof needs to be load tested.	R. M. muly	Allsham	5-2-94
Determine slope of roof ≤ 25°.	R. M. muly	Au sham	5-2-94
Prepare building roof plan.	R. M. muly	Ausham	5-2-94
Prepare stress and deflection calculations based on the as-built member strengths.	R. M. muly	Avsham	5-2-94
Prepare job hazards analysis.	R. M. muly	Allsham	5-2-94
Prepare fall-protection plan.	R. M. muly	AllCham	5-2-94
Obtain pre-test approvals.	R. M. muly	Au sham	7-8-94
Schedule test date.	R. M. muly	Allsham	7-8-94
Notify Industrial Safety of test date.	R. M. muly	Allsham	7-8-94
Notify QA of test date.	R. M. muly	Allsham	7-8-94
DAY BEFORE TEST:			
Check robot batteries for full charge.	R. M. muly		7-15-94
Hold pre-job briefing. (May be conducted on the day of the test.)	R. M. muly	Ausham	7-16-94
ON THE TEST DAY:			
Verify that personnel and valuable/critical equipment have been removed from the building below the load-test area.	R. M. muly	Ausham	7-16-94
Barricade off and post danger signs in the load-test area.	R. M. muly	Ausham	7-16-94
De-energize or shut down equipment or switchgears that are installed under or on the roof test area	R. M. muly		7-16-94
Place observation ladders or platforms.	N/A		

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4.0 RESULTS AND RECOMMENDATIONS

4.1 LOAD-TEST DATA

The load-test data consist of the following visual observations by the test crew.

- The control cable and turning of the robot resulted in the gravel on the roof being moved.

- The tar roof membrane under the gravel layer was not damaged.

- No large deflection or permanent deformation of the deck was noted.

4.2 QUALIFICATION RESULTS

The loads for this test were 600 lb for the unloaded robot and 1,062 lb for the fully loaded robot. With these loads no large deflections or permanent deformations were noted. Visual observations reported no soft or weak spots in the roof deck.

On the basis of these observations, the roof deck is qualified for limited personnel access. Personnel and equipment should be limited to half of the tested load or about 500 lb on any one area of the roof. For the metal deck, the roof area is defined by the purlin spacing and the width of 2 ft: roughly one person on any 4- by 4-ft area. For the vault, the area is the total roof area.

4.3 RECOMMENDATIONS

The roof is qualified for 500 lb of personnel and equipment in each roof area. The "No Roof Access" signs can be changed to one of the following:

- "Roof Access Restricted. See Building Manager for Access."

- "Roof Load Restricted to 500 lb Total."

The roof deck should be load tested at 5-year intervals. This interval is recommended as the maximum inspection interval on the basis of the present condition of the roof. It assumes that the roof is maintained to prevent deterioration from both interior and exterior sources (e.g., roof or steam leaks). The recommended interval should be shortened, should the possibility of deterioration occur (e.g., roof leaks). If the roof is to have regular foot traffic, the load-test interval should be reduced to half of the suggested interval. .

5.0   REFERENCES

WHC, 1994, *Procedure for the Load Testing of Roof Decks and Support Structures*, WHC-SD-GN-TP-30015, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

APPENDIX A

STRESS/DEFLECTION CALCULATIONS

(1) Drawing _____   (2) Doc. No. _____   (3) Page _1_ of ____
(4) Building _3701D_____   (5) Rev. _____   (6) Job No. _____
(7) Subject _____
(8) Originator _R. M. McCOY_____   Date _4-26-94_
(9) Checker _RD Miller_____   Date _5-3-94_

(10)
METAL DECKING
DECKING ⟹ VERCO N-24   18 GA   (REF; H-3-45140)

$\ell = 10'$

$S^+ = .731 \text{ in}^3$

$S^- = .776 \text{ in}^3$

$I = 1.223 \text{ in}^4$

CHECK STRESS FOR MAX ROBOT LOAD OF $1062^{\#}$

ASSUME: * ONE SPAN

    * LOAD IS DISTRIBUTED UNIFORMLY TO THE 4 CONTACT POINTS $(265.5^{\#})$ & ACTS OVER 2'
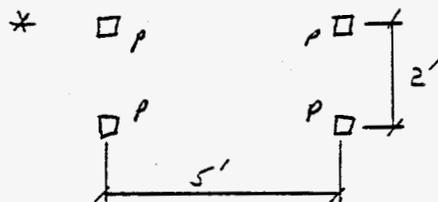
REF AISC 9TH P. 2-310 CASE #41

$DL =$ DECK = 3.4 PSF $a = 2'$
       INSULATION = 5.0 PSF
       BUILT-UP ROOF = 6.0 PSF
       $\overline{14.4 \text{ PSF}}$ $\therefore \omega = 14.4(2) = 28.8 \text{ PLF}$

$$M_{MAX} = \frac{P}{2\ell}\left(\ell - \frac{a}{2}\right)^2 + \overset{DL}{\frac{\omega \ell^2}{8}}$$

$$= \frac{265.5}{2(10)}\left(10 - \frac{2}{2}\right)^2 + \frac{28.8(10)^2}{8}$$

$$\approx 1435 \text{ ft-lb}$$

$$\sigma = \frac{1435(12)}{.731(2)} \approx 11778 \text{ PSI} < 20000 \text{ PSI} \left(\begin{smallmatrix}PER\\SDI\end{smallmatrix}\right) ✓$$

$\underset{2' \text{ WIDTH}}{\llcorner}$

A2

(1) Drawing _____ (2) Doc. No. _____ (3) Page __2__ of ____

(4) Building _37010_____ (5) Rev. _____ (6) Job No. _____

(7) Subject _____

(8) Originator _R. M. McCOY_____ Date _4-26-94_

(9) Checker _RB Miller_____ Date _5-3-94_

(10) $DEFLECTION$ $a = [10-2]/2 = 4'$

$$\Delta_{MAX_{LL}} = \frac{Pa}{24EI} \left(3\ell^2 - 4a^2 \right)$$

$$= \frac{265.5 \,(48)}{24 \,(29E6)(1.223)} \left[3(120)^2 - 4(48)^2 \right]$$

$$\approx .51''$$

A3

BD-6400-060.1 (12/87)

Type N-24

Used for long span conditions
Normally galvanized finish — can be painted as a special order.
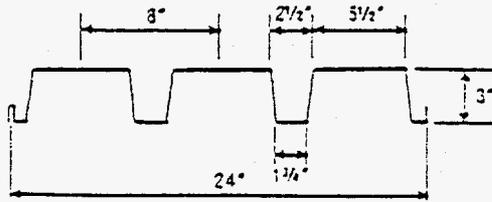
| Gage | Weight (Lbs./Sq. Ft.) | | I | +S | −S | 2" End Bearing |
	Painted	Galvanized	(In⁴)	(In³)	(In³)	Allowable Reaction (lbs)
22	2.1	2.2	.655	.394	.454	1010
20	2.5	2.6	.837	.508	.562	1370
18	3.4	3.5	1.223	.731	.776	2200
16	4.1	4.2	1.647	.950	1.005	3000

VERTICAL LOADS (Lbs./Sq. Ft.) N-24 AND N-24 SHEARTRANZ

PAINTED OR GALVANIZED

| | Gage | | Span | | | | | | | | | | |
			6'-0"	7'-0"	8'-0"	8'-4"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	13'-4"	14'-0"
Simple Span	22	S	145	107	82	76	65	52	43	36	31		
		Δ	−	−	82	74	58	42	31	24	19		
	20	S	188	138	105	98	83	67	56	47	40	38	34
		Δ	−	−	105	95	74	54	40	31	24	21	19
	18	S	270	198	152	143	120	97	80	67	57	53	49
		Δ	−	−	−	140	108	79	59	45	36	33	28
	16	S	351	258	197	182	156	126	104	87	73	71	64
		Δ	−	−	−	−	145	106	80	61	48	44	38
Two Spans	22	S	168	123	94	91	74	60	50	42	36	34	31
		Δ	−	−	−	−	−	−	−	−	−	−	−
	20	S	208	152	117	98	92	75	62	52	44	42	38
		Δ	−	−	−	−	−	−	−	−	−	−	−
	18	S	287	211	161	150	127	103	85	71	61	59	52
		Δ	−	−	−	−	−	−	−	−	−	−	−
	16	S	372	273	209	190	165	134	110	93	79	75	68
		Δ	−	−	−	−	−	−	−	−	−	−	−
Three or More Spans	22	S	210	154	118	111	93	75	62	52	44	42	38
		Δ	−	−	−	−	−	−	59	46	36	33	29
	20	S	260	191	146	135	115	93	77	65	55	53	48
		Δ	−	−	−	−	−	−	76	58	46	43	37
	18	S	359	263	202	188	160	129	107	89	76	72	66
		Δ	−	−	−	−	−	−	−	86	67	63	54
	16	S	400	341	261	242	206	167	138	116	99	94	85
		Δ	−	−	−	−	−	−	−	115	90	84	72

See page 14 item 1 on how to use this table.

Type N-24 with Sheartranz®

DIAPHRAGM SHEAR VALUES (q) (Lbs./L.F.) AND FLEXIBILITY FACTORS (F)

No End Lap Welding

| Gage | Side Lap Connection | Welds Per Sheet To Supports | Span | | | | |
| | | | 6'-0" | 8'-0" | 10'-0" | 12'-0" | 14'-0" |
			4	4	4	4	4
22	TSW @ 12" c/c	q	620	620	540	450	380
		F	11.5	12.2	12.6	12.9	13.1
20	TSW @ 12" c/c	q	750	750	650	540	460
		F	9.2	9.8	10.3	10.6	10.8
18	TSW @ 12" c/c	q	1000	1000	Use N Deck Values		
		F	6.5	7.0			

1" Long Fillet Weld On Two Flutes Of End Laps   PAINTED OR GALVANIZED

| Gage | Side Lap Connection | Welds Per Sheet To Supports | Span | | | | |
| | | | 6'-0" | 8'-0" | 10'-0" | 12'-0" | 14'-0" |
			4	4	4	4	4
22	TSW @ 12" c/c	q	750	670	540	450	380
		F	11.5	12.2	12.6	12.9	13.1
20	TSW @ 12" c/c	q	1020	810	650	540	460
		F	9.2	9.8	10.3	10.6	10.8
18	TSW @ 12" c/c	q	1430	1080	Use N Deck Values		
		F	6.5	7.0			

WELD PATTERN TO SUPPORTS

4   A4
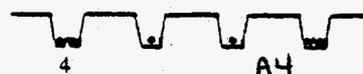
See page 7 for Sheartranz® welding.

Westinghouse
Hanford Company

ANALYSIS

Page 1/7
Job No.
Date 11/25/12
By Peter Mollen
Checked By _____

Check concrete slab roof for flexure and shear due to dead and live loads

Calculations done in Mathcad, File = 3701D.MCD

Materials and Properties

$f_c := 3000 \cdot \dfrac{lb}{in^2}$ = Compressive Strength of Concrete (H-3-49226)

$f_y := 60000 \cdot \dfrac{lb}{in^2}$ = Yield Strength of Steel   (H-3-49226)

Thickness of Concrete Slabs = $t := 12 \cdot in$ (Ref: H-3-49226)

Slab is reinforced with #5 bars @ 12" o.c., therefore, area of Rebar per ft (As) =

$A_s := 0.31 \cdot \dfrac{in^2}{ft}$

PLAN   SECTION
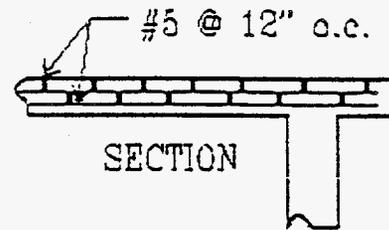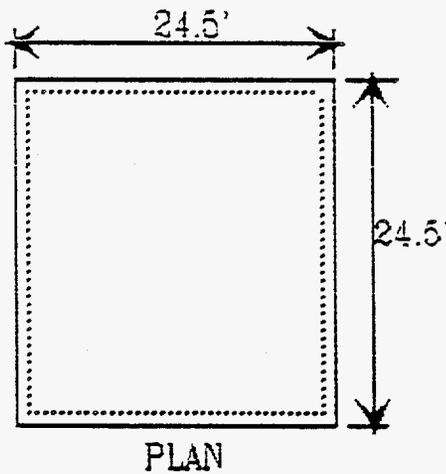
$\phi := 0.90$ = strength reduction factor for flexture (ACI 9.3)

$d := t - 1.5 \cdot in$ = depth of tension rebar in slab from compression face of concrete

Determine Allowable Flexure in slab (Analyze first as one-way slab)

$T := A_s \cdot f_y$ $T = 1.86 \cdot 10^4 \cdot \dfrac{lb}{ft}$ = Tensile Strength of Steel

$a := \dfrac{A_s \cdot f_y}{\left(.85 \cdot f_c \cdot 12 \cdot \dfrac{in}{ft}\right)}$ $a = 0.608 \cdot in$ = Compression Block of Concrete (Ref: ACI 10.2.7)

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ANALYSIS

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By Peter Mathew
Checked By

For _____
Location _____
Subject _____

$$M_n := A_s \cdot f_y \cdot \left(d - \frac{a}{2} \right) \cdot 1 \cdot ft \qquad = \text{Moment that slab is capable of carrying per foot width}$$

$$M_u := \phi \cdot M_n \qquad M_u = 1.707 \cdot 10^5 \cdot in \cdot lb \qquad = \text{Allowable moment in concrete}$$

Determine Allowable Shear in slab

$$\phi := 0.85 \quad = \text{strength reduction factor for shear (ACI 9.3)}$$

$$V_c := 2 \cdot \sqrt{f_c \cdot \frac{lb}{in^2}} \cdot 12 \cdot \frac{in}{ft} \cdot d \qquad = \text{Shear strength of concrete (ACI 11.3.1.1)}$$

$$\phi \cdot V_c = 1.173 \cdot 10^4 \cdot \frac{lb}{ft} \qquad = \text{Allowable Shear in slab}$$

Determine actual loading on slab due to dead and live loads

$$w_c := 150 \cdot \frac{lb}{ft^3} \qquad = \text{weight of concrete per cubic foot}$$

$$DL := t \cdot w_c \qquad DL = 150 \cdot \frac{lb}{ft^2} \qquad = \text{dead load (weight of concrete)}$$

$$LL := \left(20 \cdot \frac{lb}{ft^2} \right) \qquad = \text{live load (snow load per SDC 4.1)}$$

$$l := 24.5 \cdot ft \qquad = \text{Maximum length of slab for building}$$

$$w := (1.4 \cdot DL + 1.7 \cdot LL) \cdot 1 \cdot ft \qquad = \text{weight on slab per foot width}$$

Moment

$$M := \frac{w \cdot l^2}{8} \qquad M = 2.197 \cdot 10^5 \cdot in \cdot lb \qquad = \text{Actual Moment}$$

$$M_u = 1.707 \cdot 10^5 \cdot in \cdot lb \qquad = \text{Allowable Moment}$$

Allowable is less than Actual, no good ... Need more detailed analysis

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ANALYSIS

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Date: 11/25/92
By: Peter Miller
Checked By: M Miller

For
Location
Subject

Analyze slab as two-way slab

$$TL := \frac{w}{ft} \qquad TL = 244 \cdot \frac{lb}{ft^2} \qquad = \text{Total Load on Slab}$$

Determine actual positive moment in slab $A := 24.5 \cdot ft$ $B := 24.5 \cdot ft$

Use design guide tables to determine approximate moments in the two-way slab
(Ref. Nilson and Winter, *Design of Concrete Structures*, 1986, Tables 8.3-8.6)

$$M_{Aposdl} := 0.022 \cdot ft \cdot DL \cdot 1.4 \cdot A^2 \qquad M_{Aposdl} = 3.328 \cdot 10^4 \cdot in \cdot lb$$

$$M_{Aposll} := 0.034 \cdot ft \cdot LL \cdot 1.7 \cdot A^2 \qquad M_{Aposll} = 8.327 \cdot 10^3 \cdot in \cdot lb$$

$$M_{Apostot} := M_{Aposdl} + M_{Aposll} \qquad M_{Apostot} = 4.16 \cdot 10^4 \cdot in \cdot lb \quad \longleftarrow \left\{ \begin{array}{l} \text{Largest bending} \\ \text{moment, compare} \\ \text{to allowable} \end{array} \right\}$$

$$M_{Bposdl} := 0.014 \cdot ft \cdot DL \cdot 1.4 \cdot B^2 \qquad M_{Bposdl} = 2.118 \cdot 10^4 \cdot in \cdot lb$$

$$M_{Bposll} := 0.022 \cdot ft \cdot LL \cdot 1.7 \cdot B^2 \qquad M_{Bposll} = 5.388 \cdot 10^3 \cdot in \cdot lb$$

$$M_{Bpostot} := M_{Bposdl} + M_{Bposll} \qquad M_{Bpostot} = 2.656 \cdot 10^4 \cdot in \cdot lb$$

Determine negative moments at discontinuous edges (1/3 x positive moments)

$$M_{ANeg} := \frac{1}{3} \cdot M_{Apostot} \qquad M_{ANeg} = 1.387 \cdot 10^4 \cdot in \cdot lb$$

$$M_{BNeg} := \frac{1}{3} \cdot M_{Bpostot} \qquad M_{BNeg} = 8.855 \cdot 10^3 \cdot in \cdot lb$$

Allowable Moment in two-way slab (Ref. first page) = $M_u = 1.707 \cdot 10^5 \cdot in \cdot lb$

<u>Mu > than all above moments, therefore slab is okay for dead and live loads</u>

DON'T   SAY   IT ---Write It!

DATE____May 1, 1994

TO___Mike McCoy

FROM_____J. A. Ryan

SUBJECT____ANSYS ANALYSIS; 3701D ROOF

The concrete slab of 3701D was analyzed for two loading conditions. These were:

LC 1 - A dead weight of 150 #/ft^3, and
LC 2 - Dead weight plus 1063.5$^#$ at Node 243 (the node at which the dead weight displacement was maximum).

The concrete slab was modeled as a plate 294" x 306", simply supported on three sides and free on the fourth side (see attached sketch). A uniform thickness of 12" was assumed, thus with concrete density as 150 #/ft^3, the dead weight was 150 #/ft^2 or 1.04167 psi.

LOAD CONDITION 1

The maximum dead weight displacement was -0.2303 inches in the middle of the free edge (node 243). The maximum moments were

$$M_{xx} = 38,322 \text{ in-lbs, and}$$
$$M_{yy} = -107,220 \text{ in-lbs.}$$

The maximum M_{xx} occurred at element 112, node 235, and the maximum M_{yy} occurred at element 120, node 243.

LOAD CONDITION 2

The maximum displacement for the combination dead weight plus concentrated load was -0.2419 inches at node 243. The maximum moments were

$$M_{xx} = -37,941 \text{ in-lbs, and}$$
$$M_{yy} = -118,526 \text{ in-lbs.}$$

The input/output for the two loading conditions are attached for your records.

"TO MAKE LIFE LAST, PUT SAFETY FIRST"

$$M_{w\,MAX} = 1.1E5(1.4) + [1.2E5 - 1.1E5](1.7) \approx 1.7E5 = M_{w\,ALLOW}$$

$$\therefore ACCEPTABLE$$
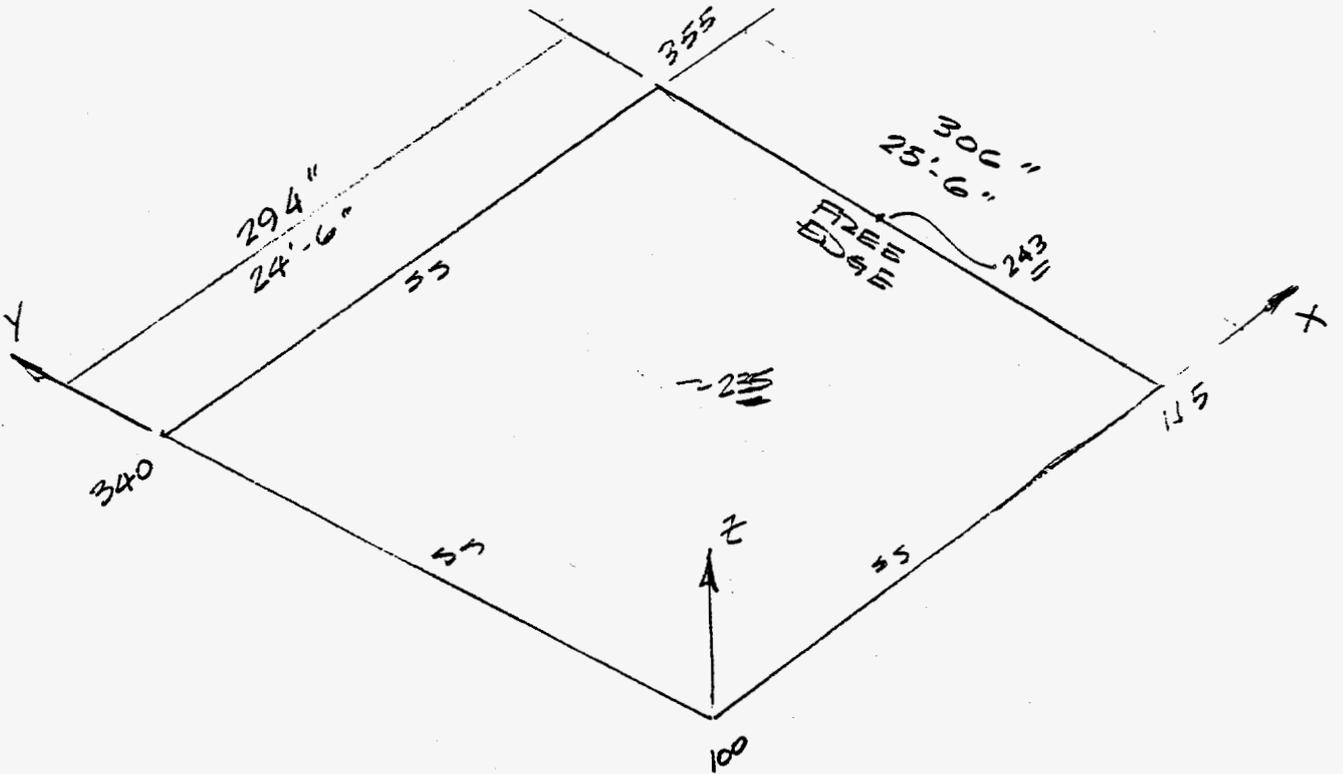
ss — simply supported

Node 243 is the location of max Δ

A9

```
/SHOW
/TITLE, DEAD WEIGHT ONLY - MAX DISPL AT NODE 243
N,100
N,115,294
FILL
NGEN,16,16,100,115,1,,20.4
EX,1,3.122E06
NUXY,1,0.3
DENS,1,2.25E-04
R,1,12
ET,1,63
E,100,101,117,116
EGEN,15,1,1
EGEN,15,16,1,15,1
D,100,UX,,,115,,UY,UZ
D,116,UX,,,340,16,UY,UZ
D,341,UX,,,355,1,UY,UZ
EP,ALL,2,1.04167
LWRI
AFWR
```

NODE	X	Y	Z	THXY	THYZ	THXZ
100	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
101	19.600000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
102	39.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
103	58.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
104	78.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
105	98.000000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
106	117.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
107	137.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
108	156.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
109	176.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
110	196.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
111	215.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
112	235.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
113	254.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
114	274.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
115	294.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
116	0.00000000E+00	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
117	19.600000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
118	39.200000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
119	58.800000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
120	78.400000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
121	98.000000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
122	117.60000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
123	137.20000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
124	156.80000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
125	176.40000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
126	196.00000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
127	215.60000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
128	235.20000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
129	254.80000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
130	274.40000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
131	294.00000	20.400000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
132	0.00000000E+00	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
133	19.600000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
134	39.200000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
135	58.800000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
136	78.400000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
137	98.000000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
138	117.60000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
139	137.20000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
140	156.80000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
141	176.40000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
142	196.00000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
143	215.60000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
144	235.20000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
145	254.80000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
146	274.40000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
147	294.00000	40.800000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
148	0.00000000E+00	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
149	19.600000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
150	39.200000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
151	58.800000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
152	78.400000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
153	98.000000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
154	117.60000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
155	137.20000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
156	156.80000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
157	176.40000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
158	196.00000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
159	215.60000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
160	235.20000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
161	254.80000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
162	274.40000	61.200000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
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165	19.600000	81.600000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
166	39.200000	81.600000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
167	58.800000	81.600000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
168	78.400000	81.600000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
169	98.000000	81.600000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00

170	117.60000	81.600000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
171	137.2000	81.600000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
172	156.8000	81.600000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
173	176.4000	81.600000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
174	196.0000	81.600000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
175	215.6000	81.600000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
176	235.2000	81.600000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
177	254.8000	81.600000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
178	274.4000	81.600000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
179	294.0000	81.600000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
180	0.000000000E+00	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
181	19.60000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
182	39.20000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
183	58.80000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
184	78.40000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
185	98.00000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
186	117.6000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
187	137.2000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
188	156.8000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
189	176.4000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
190	196.0000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
191	215.6000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
192	235.2000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
193	254.8000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
194	274.4000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
195	294.0000	102.0000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
196	0.000000000E+00	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
197	19.60000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
198	39.20000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
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200	78.40000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
201	98.00000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
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203	137.2000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
204	156.8000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
205	176.4000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
206	196.0000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
207	215.6000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
208	235.2000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
209	254.8000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
210	274.4000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
211	294.0000	122.4000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
212	0.000000000E+00	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
213	19.60000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
214	39.20000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
215	58.80000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
216	78.40000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
217	98.00000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
218	117.6000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
219	137.2000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
220	156.8000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
221	176.4000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
222	196.0000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
223	215.6000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
224	235.2000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
225	254.8000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
226	274.4000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
227	294.0000	142.8000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
228	0.000000000E+00	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
229	19.60000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
230	39.20000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
231	58.80000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
232	78.40000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
233	98.00000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
234	117.6000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
235	137.2000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
236	156.8000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
237	176.4000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
238	196.0000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
239	215.6000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
240	235.2000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00
241	254.8000	163.2000	0.000000000E+00	0.000000000E+00	0.000000000E+00	0.000000000E+00

242	274.40000	163.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
243	294.00000	163.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
244	0.00000000E+00	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
245	19.600000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
246	39.200000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
247	58.800000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
248	78.400000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
249	98.000000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
250	117.60000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
251	137.20000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
252	156.80000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
253	176.40000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
254	196.00000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
255	215.60000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
256	235.20000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
257	254.80000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
258	274.40000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
259	294.00000	183.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
260	0.00000000E+00	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
261	19.600000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
262	39.200000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
263	58.800000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
264	78.400000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
265	98.000000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
266	117.60000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
267	137.20000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
268	156.80000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
269	176.40000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
270	196.00000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
271	215.60000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
272	235.20000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
273	254.80000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
274	274.40000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
275	294.00000	204.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
276	0.00000000E+00	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
277	19.600000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
278	39.200000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
279	58.800000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
280	78.400000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
281	98.000000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
282	117.60000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
283	137.20000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
284	156.80000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
285	176.40000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
286	196.00000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
287	215.60000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
288	235.20000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
289	254.80000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
290	274.40000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
291	294.00000	224.40000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
292	0.00000000E+00	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
293	19.600000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
294	39.200000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
295	58.800000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
296	78.400000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
297	98.000000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
298	117.60000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
299	137.20000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
300	156.80000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
301	176.40000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
302	196.00000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
303	215.60000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
304	235.20000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
305	254.80000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
306	274.40000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
307	294.00000	244.80000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
308	0.00000000E+00	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
309	19.600000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
310	39.200000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
311	58.800000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
312	78.400000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
313	98.000000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00

314	117.60000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
315	137.20000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
316	156.80000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
317	176.40000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
318	196.00000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
319	215.60000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
320	235.20000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
321	254.80000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
322	274.40000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
323	294.00000	265.20000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
324	0.00000000E+00	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
325	19.600000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
326	39.200000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
327	58.800000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
328	78.400000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
329	98.000000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
330	117.60000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
331	137.20000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
332	156.80000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
333	176.40000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
334	196.00000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
335	215.60000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
336	235.20000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
337	254.80000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
338	274.40000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
339	294.00000	285.60000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
340	0.00000000E+00	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
341	19.600000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
342	39.200000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
343	58.800000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
344	78.400000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
345	98.000000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
346	117.60000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
347	137.20000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
348	156.80000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
349	176.40000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
350	196.00000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
351	215.60000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
352	235.20000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
353	254.80000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
354	274.40000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
355	294.00000	306.00000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00

ELEM	TYPE	STIF	MAT	ESYS	NODES			
1	1	63	1	0	100	101	117	116
2	1	63	1	0	101	102	118	117
3	1	63	1	0	102	103	119	118
4	1	63	1	0	103	104	120	119
5	1	63	1	0	104	105	121	120
6	1	63	1	0	105	106	122	121
7	1	63	1	0	106	107	123	122
8	1	63	1	0	107	108	124	123
9	1	63	1	0	108	109	125	124
10	1	63	1	0	109	110	126	125
11	1	63	1	0	110	111	127	126
12	1	63	1	0	111	112	128	127
13	1	63	1	0	112	113	129	128
14	1	63	1	0	113	114	130	129
15	1	63	1	0	114	115	131	130
16	1	63	1	0	116	117	133	132
17	1	63	1	0	117	118	134	133
18	1	63	1	0	118	119	135	134
19	1	63	1	0	119	120	136	135
20	1	63	1	0	120	121	137	136
21	1	63	1	0	121	122	138	137
22	1	63	1	0	122	123	139	138
23	1	63	1	0	123	124	140	139
24	1	63	1	0	124	125	141	140
25	1	63	1	0	125	126	142	141
26	1	63	1	0	126	127	143	142
27	1	63	1	0	127	128	144	143
28	1	63	1	0	128	129	145	144
29	1	63	1	0	129	130	146	145
30	1	63	1	0	130	131	147	146
31	1	63	1	0	132	133	149	148
32	1	63	1	0	133	134	150	149
33	1	63	1	0	134	135	151	150
34	1	63	1	0	135	136	152	151
35	1	63	1	0	136	137	153	152
36	1	63	1	0	137	138	154	153
37	1	63	1	0	138	139	155	154
38	1	63	1	0	139	140	156	155
39	1	63	1	0	140	141	157	156
40	1	63	1	0	141	142	158	157
41	1	63	1	0	142	143	159	158
42	1	63	1	0	143	144	160	159
43	1	63	1	0	144	145	161	160
44	1	63	1	0	145	146	162	161
45	1	63	1	0	146	147	163	162
46	1	63	1	0	148	149	165	164
47	1	63	1	0	149	150	166	165
48	1	63	1	0	150	151	167	166
49	1	63	1	0	151	152	168	167
50	1	63	1	0	152	153	169	168
51	1	63	1	0	153	154	170	169
52	1	63	1	0	154	155	171	170
53	1	63	1	0	155	156	172	171
54	1	63	1	0	156	157	173	172
55	1	63	1	0	157	158	174	173
56	1	63	1	0	158	159	175	174
57	1	63	1	0	159	160	176	175
58	1	63	1	0	160	161	177	176
59	1	63	1	0	161	162	178	177
60	1	63	1	0	162	163	179	178
61	1	63	1	0	164	165	181	180
62	1	63	1	0	165	166	182	181
63	1	63	1	0	166	167	183	182
64	1	63	1	0	167	168	184	183
65	1	63	1	0	168	169	185	184
66	1	63	1	0	169	170	186	185
67	1	63	1	0	170	171	187	186
68	1	63	1	0	171	172	188	187
69	1	63	1	0	172	173	189	188
70	1	63	1	0	173	174	190	189

71	1	63	1	0	174	175	191	190
72	1	63	1	0	175	176	192	191
73	1	63	1	0	176	177	193	192
74	1	63	1	0	177	178	194	193
75	1	63	1	0	178	179	195	194
76	1	63	1	0	180	181	197	196
77	1	63	1	0	181	182	198	197
78	1	63	1	0	182	183	199	198
79	1	63	1	0	183	184	200	199
80	1	63	1	0	184	185	201	200
81	1	63	1	0	185	186	202	201
82	1	63	1	0	186	187	203	202
83	1	63	1	0	187	188	204	203
84	1	63	1	0	188	189	205	204
85	1	63	1	0	189	190	206	205
86	1	63	1	0	190	191	207	206
87	1	63	1	0	191	192	208	207
88	1	63	1	0	192	193	209	208
89	1	63	1	0	193	194	210	209
90	1	63	1	0	194	195	211	210
91	1	63	1	0	196	197	213	212
92	1	63	1	0	197	198	214	213
93	1	63	1	0	198	199	215	214
94	1	63	1	0	199	200	216	215
95	1	63	1	0	200	201	217	216
96	1	63	1	0	201	202	218	217
97	1	63	1	0	202	203	219	218
98	1	63	1	0	203	204	220	219
99	1	63	1	0	204	205	221	220
100	1	63	1	0	205	206	222	221
101	1	63	1	0	206	207	223	222
102	1	63	1	0	207	208	224	223
103	1	63	1	0	208	209	225	224
104	1	63	1	0	209	210	226	225
105	1	63	1	0	210	211	227	226
106	1	63	1	0	212	213	229	228
107	1	63	1	0	213	214	230	229
108	1	63	1	0	214	215	231	230
109	1	63	1	0	215	216	232	231
110	1	63	1	0	216	217	233	232
111	1	63	1	0	217	218	234	233
112	1	63	1	0	218	219	235	234
113	1	63	1	0	219	220	236	235
114	1	63	1	0	220	221	237	236
115	1	63	1	0	221	222	238	237
116	1	63	1	0	222	223	239	238
117	1	63	1	0	223	224	240	239
118	1	63	1	0	224	225	241	240
119	1	63	1	0	225	226	242	241
120	1	63	1	0	226	227	243	242
121	1	63	1	0	228	229	245	244
122	1	63	1	0	229	230	246	245
123	1	63	1	0	230	231	247	246
124	1	63	1	0	231	232	248	247
125	1	63	1	0	232	233	249	248
126	1	63	1	0	233	234	250	249
127	1	63	1	0	234	235	251	250
128	1	63	1	0	235	236	252	251
129	1	63	1	0	236	237	253	252
130	1	63	1	0	237	238	254	253
131	1	63	1	0	238	239	255	254
132	1	63	1	0	239	240	256	255
133	1	63	1	0	240	241	257	256
134	1	63	1	0	241	242	258	257
135	1	63	1	0	242	243	259	258
136	1	63	1	0	244	245	261	260
137	1	63	1	0	245	246	262	261
138	1	63	1	0	246	247	263	262
139	1	63	1	0	247	248	264	263
140	1	63	1	0	248	249	265	264
141	1	63	1	0	249	250	266	265
142	1	63	1	0	250	251	267	266

143	1	63	1	0	251	252	268	267
144	1	63	1	0	252	253	269	268
145	1	63	1	0	253	254	270	269
146	1	63	1	0	254	255	271	270
147	1	63	1	0	255	256	272	271
148	1	63	1	0	256	257	273	272
149	1	63	1	0	257	258	274	273
150	1	63	1	0	258	259	275	274
151	1	63	1	0	260	261	277	276
152	1	63	1	0	261	262	278	277
153	1	63	1	0	262	263	279	278
154	1	63	1	0	263	264	280	279
155	1	63	1	0	264	265	281	280
156	1	63	1	0	265	266	282	281
157	1	63	1	0	266	267	283	282
158	1	63	1	0	267	268	284	283
159	1	63	1	0	268	269	285	284
160	1	63	1	0	269	270	286	285
161	1	63	1	0	270	271	287	286
162	1	63	1	0	271	272	288	287
163	1	63	1	0	272	273	289	288
164	1	63	1	0	273	274	290	289
165	1	63	1	0	274	275	291	290
166	1	63	1	0	276	277	293	292
167	1	63	1	0	277	278	294	293
168	1	63	1	0	278	279	295	294
169	1	63	1	0	279	280	296	295
170	1	63	1	0	280	281	297	296
171	1	63	1	0	281	282	298	297
172	1	63	1	0	282	283	299	298
173	1	63	1	0	283	284	300	299
174	1	63	1	0	284	285	301	300
175	1	63	1	0	285	286	302	301
176	1	63	1	0	286	287	303	302
177	1	63	1	0	287	288	304	303
178	1	63	1	0	288	289	305	304
179	1	63	1	0	289	290	306	305
180	1	63	1	0	290	291	307	306
181	1	63	1	0	292	293	309	308
182	1	63	1	0	293	294	310	309
183	1	63	1	0	294	295	311	310
184	1	63	1	0	295	296	312	311
185	1	63	1	0	296	297	313	312
186	1	63	1	0	297	298	314	313
187	1	63	1	0	298	299	315	314
188	1	63	1	0	299	300	316	315
189	1	63	1	0	300	301	317	316
190	1	63	1	0	301	302	318	317
191	1	63	1	0	302	303	319	318
192	1	63	1	0	303	304	320	319
193	1	63	1	0	304	305	321	320
194	1	63	1	0	305	306	322	321
195	1	63	1	0	306	307	323	322
196	1	63	1	0	308	309	325	324
197	1	63	1	0	309	310	326	325
198	1	63	1	0	310	311	327	326
199	1	63	1	0	311	312	328	327
200	1	63	1	0	312	313	329	328
201	1	63	1	0	313	314	330	329
202	1	63	1	0	314	315	331	330
203	1	63	1	0	315	316	332	331
204	1	63	1	0	316	317	333	332
205	1	63	1	0	317	318	334	333
206	1	63	1	0	318	319	335	334
207	1	63	1	0	319	320	336	335
208	1	63	1	0	320	321	337	336
209	1	63	1	0	321	322	338	337
210	1	63	1	0	322	323	339	338
211	1	63	1	0	324	325	341	340
212	1	63	1	0	325	326	342	341
213	1	63	1	0	326	327	343	342
214	1	63	1	0	327	328	344	343

215	1	63	1	0	328	329	345	344
216	1	63	1	0	329	330	346	345
217	1	63	1	0	330	331	347	346
218	1	63	1	0	331	332	348	347
219	1	63	1	0	332	333	349	348
220	1	63	1	0	333	334	350	349
221	1	63	1	0	334	335	351	350
222	1	63	1	0	335	336	352	351
223	1	63	1	0	336	337	353	352
224	1	63	1	0	337	338	354	353
225	1	63	1	0	338	339	355	354

NODE	UX	UY	UZ	ROTX	ROTY	ROTZ
100	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.70165770E-06	0.32092170E-06	0.00000000E+00
101	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.24798266E-03	0.20229904E-06	0.00000000E+00
102	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.48614023E-03	0.82811972E-08	0.00000000E+00
103	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.70890121E-03	-0.56616023E-07	0.00000000E+00
104	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.91408169E-03	-0.10145601E-06	0.00000000E+00
105	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.11010639E-02	-0.13123386E-06	0.00000000E+00
106	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.12703468E-02	-0.15351705E-06	0.00000000E+00
107	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.14232387E-02	-0.17235093E-06	0.00000000E+00
108	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.15616966E-02	-0.19114090E-06	0.00000000E+00
109	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.16882514E-02	-0.21291045E-06	0.00000000E+00
110	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.18060051E-02	-0.24216748E-06	0.00000000E+00
111	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.19186987E-02	-0.27696872E-06	0.00000000E+00
112	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.20308663E-02	-0.36751112E-06	0.00000000E+00
113	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.21480613E-02	-0.23519271E-06	0.00000000E+00
114	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.22774282E-02	-0.17152569E-05	0.00000000E+00
115	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.24281482E-02	0.68924014E-05	0.00000000E+00
116	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.54391918E-06	0.25704856E-03	0.00000000E+00
117	0.00000000E+00	0.00000000E+00	-0.50118101E-02	-0.23969438E-03	0.25154930E-03	0.00000000E+00
118	0.00000000E+00	0.00000000E+00	-0.98241014E-02	-0.47065990E-03	0.23801233E-03	0.00000000E+00
119	0.00000000E+00	0.00000000E+00	-0.14329649E-01	-0.68734560E-03	0.22085928E-03	0.00000000E+00
120	0.00000000E+00	0.00000000E+00	-0.18481255E-01	-0.88731708E-03	0.20227509E-03	0.00000000E+00
121	0.00000000E+00	0.00000000E+00	-0.22265604E-01	-0.10697766E-02	0.18365200E-03	0.00000000E+00
122	0.00000000E+00	0.00000000E+00	-0.25692164E-01	-0.12350985E-02	0.16596917E-03	0.00000000E+00
123	0.00000000E+00	0.00000000E+00	-0.28787071E-01	-0.13844942E-02	0.14997412E-03	0.00000000E+00
124	0.00000000E+00	0.00000000E+00	-0.31589729E-01	-0.15198369E-02	0.13629130E-03	0.00000000E+00
125	0.00000000E+00	0.00000000E+00	-0.34151232E-01	-0.16435764E-02	0.12550345E-03	0.00000000E+00
126	0.00000000E+00	0.00000000E+00	-0.36534258E-01	-0.17587294E-02	0.11822353E-03	0.00000000E+00
127	0.00000000E+00	0.00000000E+00	-0.38814399E-01	-0.18689388E-02	0.11517142E-03	0.00000000E+00
128	0.00000000E+00	0.00000000E+00	-0.41083014E-01	-0.19786016E-02	0.11725760E-03	0.00000000E+00
129	0.00000000E+00	0.00000000E+00	-0.43452774E-01	-0.20931188E-02	0.12576029E-03	0.00000000E+00
130	0.00000000E+00	0.00000000E+00	-0.46061797E-01	-0.22191406E-02	0.14201349E-03	0.00000000E+00
131	0.00000000E+00	0.00000000E+00	-0.49104279E-01	-0.23648691E-02	0.17013363E-03	0.00000000E+00
132	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.30820859E-06	0.49763396E-03	0.00000000E+00
133	0.00000000E+00	0.00000000E+00	-0.97041037E-02	-0.21805520E-03	0.48777299E-03	0.00000000E+00
134	0.00000000E+00	0.00000000E+00	-0.19048918E-01	-0.42940795E-03	0.46285595E-03	0.00000000E+00
135	0.00000000E+00	0.00000000E+00	-0.27819780E-01	-0.62893358E-03	0.43034033E-03	0.00000000E+00
136	0.00000000E+00	0.00000000E+00	-0.35914903E-01	-0.81390412E-03	0.39463778E-03	0.00000000E+00
137	0.00000000E+00	0.00000000E+00	-0.43301969E-01	-0.98320641E-03	0.35860959E-03	0.00000000E+00
138	0.00000000E+00	0.00000000E+00	-0.49995530E-01	-0.11369365E-02	0.32426528E-03	0.00000000E+00
139	0.00000000E+00	0.00000000E+00	-0.56044249E-01	-0.12760629E-02	0.29312619E-03	0.00000000E+00
140	0.00000000E+00	0.00000000E+00	-0.61523689E-01	-0.14022321E-02	0.26645018E-03	0.00000000E+00
141	0.00000000E+00	0.00000000E+00	-0.66532853E-01	-0.15176672E-02	0.24539809E-03	0.00000000E+00
142	0.00000000E+00	0.00000000E+00	-0.71193713E-01	-0.16251410E-02	0.23117784E-03	0.00000000E+00
143	0.00000000E+00	0.00000000E+00	-0.75653535E-01	-0.17280153E-02	0.22518795E-03	0.00000000E+00
144	0.00000000E+00	0.00000000E+00	-0.80090174E-01	-0.18303429E-02	0.22918165E-03	0.00000000E+00
145	0.00000000E+00	0.00000000E+00	-0.84721067E-01	-0.19370385E-02	0.24548552E-03	0.00000000E+00
146	0.00000000E+00	0.00000000E+00	-0.89817713E-01	-0.20542904E-02	0.27747375E-03	0.00000000E+00
147	0.00000000E+00	0.00000000E+00	-0.95733366E-01	-0.21886600E-02	0.32999807E-03	0.00000000E+00
148	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.22557433E-06	0.71060287E-03	0.00000000E+00
149	0.00000000E+00	0.00000000E+00	-0.13861002E-01	-0.18787200E-03	0.69749555E-03	0.00000000E+00
150	0.00000000E+00	0.00000000E+00	-0.27241365E-01	-0.37068500E-03	0.66370634E-03	0.00000000E+00
151	0.00000000E+00	0.00000000E+00	-0.39833084E-01	-0.54423850E-03	0.61852642E-03	0.00000000E+00
152	0.00000000E+00	0.00000000E+00	-0.51478296E-01	-0.70593826E-03	0.56817975E-03	0.00000000E+00
153	0.00000000E+00	0.00000000E+00	-0.62120316E-01	-0.85451822E-03	0.51692733E-03	0.00000000E+00
154	0.00000000E+00	0.00000000E+00	-0.71773009E-01	-0.98981714E-03	0.46781205E-03	0.00000000E+00
155	0.00000000E+00	0.00000000E+00	-0.80501950E-01	-0.11125140E-02	0.42313569E-03	0.00000000E+00
156	0.00000000E+00	0.00000000E+00	-0.88413290E-01	-0.12239462E-02	0.38478793E-03	0.00000000E+00
157	0.00000000E+00	0.00000000E+00	-0.95648146E-01	-0.13260029E-02	0.35448697E-03	0.00000000E+00
158	0.00000000E+00	0.00000000E+00	-0.10238145	-0.14210847E-02	0.33399889E-03	0.00000000E+00
159	0.00000000E+00	0.00000000E+00	-0.10882482	-0.15121206E-02	0.32533990E-03	0.00000000E+00
160	0.00000000E+00	0.00000000E+00	-0.11523369	-0.16026390E-02	0.33100338E-03	0.00000000E+00
161	0.00000000E+00	0.00000000E+00	-0.12191920	-0.16968634E-02	0.35423658E-03	0.00000000E+00
162	0.00000000E+00	0.00000000E+00	-0.12926687	-0.17999129E-02	0.39944845E-03	0.00000000E+00
163	0.00000000E+00	0.00000000E+00	-0.13776319	-0.19172150E-02	0.47261006E-03	0.00000000E+00
164	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.15854082E-06	0.88854918E-03	0.00000000E+00
165	0.00000000E+00	0.00000000E+00	-0.17335996E-01	-0.15165047E-03	0.87305862E-03	0.00000000E+00
166	0.00000000E+00	0.00000000E+00	-0.34101039E-01	-0.29960109E-03	0.83258571E-03	0.00000000E+00
167	0.00000000E+00	0.00000000E+00	-0.49913028E-01	-0.44064034E-03	0.77754176E-03	0.00000000E+00
168	0.00000000E+00	0.00000000E+00	-0.64564436E-01	-0.57260667E-03	0.71544998E-03	0.00000000E+00
169	0.00000000E+00	0.00000000E+00	-0.77973330E-01	-0.69431169E-03	0.65172542E-03	0.00000000E+00
170	0.00000000E+00	0.00000000E+00	-0.90148745E-01	-0.80545836E-03	0.59033461E-03	0.00000000E+00

171	0.00000000E+00	0.00000000E+00	-0.10116749	-0.90647140E-03	0.53430319E-03	0.00000000E+00
172	0.00000000E+00	0.00000000E+00	-0.11115968	-0.99835685E-03	0.48610378E-03	0.00000000E+00
173	0.00000000E+00	0.00000000E+00	-0.12030103	-0.10826077E-02	0.44796735E-03	0.00000000E+00
174	0.00000000E+00	0.00000000E+00	-0.12881083	-0.11611591E-02	0.42215304E-03	0.00000000E+00
175	0.00000000E+00	0.00000000E+00	-0.13695498	-0.12363883E-02	0.41120362E-03	0.00000000E+00
176	0.00000000E+00	0.00000000E+00	-0.14505417	-0.13111504E-02	0.41821121E-03	0.00000000E+00
177	0.00000000E+00	0.00000000E+00	-0.15349747	-0.13888249E-02	0.44711528E-03	0.00000000E+00
178	0.00000000E+00	0.00000000E+00	-0.16276228	-0.14734040E-02	0.50304510E-03	0.00000000E+00
179	0.00000000E+00	0.00000000E+00	-0.17344107	-0.15690807E-02	0.59267766E-03	0.00000000E+00
180	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.10662865E-06	0.10262008E-02	0.00000000E+00
181	0.00000000E+00	0.00000000E+00	-0.20024947E-01	-0.11115798E-03	0.10090264E-02	0.00000000E+00
182	0.00000000E+00	0.00000000E+00	-0.39414715E-01	-0.21978585E-03	0.96377053E-03	0.00000000E+00
183	0.00000000E+00	0.00000000E+00	-0.57732606E-01	-0.32363321E-03	0.90152779E-03	0.00000000E+00
184	0.00000000E+00	0.00000000E+00	-0.74732086E-01	-0.42110773E-03	0.83069080E-03	0.00000000E+00
185	0.00000000E+00	0.00000000E+00	-0.90309337E-01	-0.51126720E-03	0.75752408E-03	0.00000000E+00
186	0.00000000E+00	0.00000000E+00	-0.10446709	-0.59380663E-03	0.68672431E-03	0.00000000E+00
187	0.00000000E+00	0.00000000E+00	-0.11728886	-0.66896447E-03	0.62191344E-03	0.00000000E+00
188	0.00000000E+00	0.00000000E+00	-0.12892205	-0.73742993E-03	0.56605393E-03	0.00000000E+00
189	0.00000000E+00	0.00000000E+00	-0.13956855	-0.80027279E-03	0.52180140E-03	0.00000000E+00
190	0.00000000E+00	0.00000000E+00	-0.14948188	-0.85890450E-03	0.49181586E-03	0.00000000E+00
191	0.00000000E+00	0.00000000E+00	-0.15897009	-0.91506876E-03	0.47905233E-03	0.00000000E+00
192	0.00000000E+00	0.00000000E+00	-0.16840440	-0.97085462E-03	0.48704914E-03	0.00000000E+00
193	0.00000000E+00	0.00000000E+00	-0.17823351	-0.10287126E-02	0.52022716E-03	0.00000000E+00
194	0.00000000E+00	0.00000000E+00	-0.18900403	-0.10914982E-02	0.58420289E-03	0.00000000E+00
195	0.00000000E+00	0.00000000E+00	-0.20138683	-0.11621735E-02	0.68609314E-03	0.00000000E+00
196	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.61562226E-07	0.11198959E-02	0.00000000E+00
197	0.00000000E+00	0.00000000E+00	-0.21855584E-01	-0.67797337E-04	0.11016425E-02	0.00000000E+00
198	0.00000000E+00	0.00000000E+00	-0.43034691E-01	-0.13411834E-03	0.10533005E-02	0.00000000E+00
199	0.00000000E+00	0.00000000E+00	-0.63064816E-01	-0.19763230E-03	0.98636035E-03	0.00000000E+00
200	0.00000000E+00	0.00000000E+00	-0.81672893E-01	-0.25737117E-03	0.90974497E-03	0.00000000E+00
201	0.00000000E+00	0.00000000E+00	-0.98739310E-01	-0.31273744E-03	0.83026819E-03	0.00000000E+00
202	0.00000000E+00	0.00000000E+00	-0.11426135	-0.36351225E-03	0.75312329E-03	0.00000000E+00
203	0.00000000E+00	0.00000000E+00	-0.12832606	-0.40981102E-03	0.68235212E-03	0.00000000E+00
204	0.00000000E+00	0.00000000E+00	-0.14109192	-0.45203274E-03	0.62126802E-03	0.00000000E+00
205	0.00000000E+00	0.00000000E+00	-0.15277831	-0.49081789E-03	0.57283061E-03	0.00000000E+00
206	0.00000000E+00	0.00000000E+00	-0.16366190	-0.52702255E-03	0.53998227E-03	0.00000000E+00
207	0.00000000E+00	0.00000000E+00	-0.17407944	-0.56170874E-03	0.52596027E-03	0.00000000E+00
208	0.00000000E+00	0.00000000E+00	-0.18443644	-0.59614688E-03	0.53459757E-03	0.00000000E+00
209	0.00000000E+00	0.00000000E+00	-0.19522187	-0.63181882E-03	0.57062021E-03	0.00000000E+00
210	0.00000000E+00	0.00000000E+00	-0.20702846	-0.67043779E-03	0.63994358E-03	0.00000000E+00
211	0.00000000E+00	0.00000000E+00	-0.22057880	-0.71376699E-03	0.74994497E-03	0.00000000E+00
212	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.20152018E-07	0.11673089E-02	0.00000000E+00
213	0.00000000E+00	0.00000000E+00	-0.22782052E-01	-0.22779893E-04	0.11485282E-02	0.00000000E+00
214	0.00000000E+00	0.00000000E+00	-0.44867404E-01	-0.45074317E-04	0.10986725E-02	0.00000000E+00
215	0.00000000E+00	0.00000000E+00	-0.65765846E-01	-0.66443104E-04	0.10294148E-02	0.00000000E+00
216	0.00000000E+00	0.00000000E+00	-0.85190933E-01	-0.86562025E-04	0.94992916E-03	0.00000000E+00
217	0.00000000E+00	0.00000000E+00	-0.10301484	-0.10522708E-03	0.86729759E-03	0.00000000E+00
218	0.00000000E+00	0.00000000E+00	-0.11923176	-0.12235953E-03	0.78696309E-03	0.00000000E+00
219	0.00000000E+00	0.00000000E+00	-0.13393022	-0.13799315E-03	0.71318332E-03	0.00000000E+00
220	0.00000000E+00	0.00000000E+00	-0.14727411	-0.15225826E-03	0.64945414E-03	0.00000000E+00
221	0.00000000E+00	0.00000000E+00	-0.15949148	-0.16536786E-03	0.59889352E-03	0.00000000E+00
222	0.00000000E+00	0.00000000E+00	-0.17087071	-0.17760857E-03	0.56458965E-03	0.00000000E+00
223	0.00000000E+00	0.00000000E+00	-0.18176302	-0.18933677E-03	0.54992305E-03	0.00000000E+00
224	0.00000000E+00	0.00000000E+00	-0.19259127	-0.20097846E-03	0.55887290E-03	0.00000000E+00
225	0.00000000E+00	0.00000000E+00	-0.20386463	-0.21302926E-03	0.59631344E-03	0.00000000E+00
226	0.00000000E+00	0.00000000E+00	-0.21619893	-0.22606005E-03	0.66830215E-03	0.00000000E+00
227	0.00000000E+00	0.00000000E+00	-0.23034244	-0.24065629E-03	0.78233874E-03	0.00000000E+00
228	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.20152018E-07	0.11673089E-02	0.00000000E+00
229	0.00000000E+00	0.00000000E+00	-0.22782052E-01	0.22779893E-04	0.11485282E-02	0.00000000E+00
230	0.00000000E+00	0.00000000E+00	-0.44867404E-01	0.45074317E-04	0.10986725E-02	0.00000000E+00
231	0.00000000E+00	0.00000000E+00	-0.65765846E-01	0.66443104E-04	0.10294148E-02	0.00000000E+00
232	0.00000000E+00	0.00000000E+00	-0.85190933E-01	0.86562025E-04	0.94992916E-03	0.00000000E+00
233	0.00000000E+00	0.00000000E+00	-0.10301484	0.10522708E-03	0.86729759E-03	0.00000000E+00
234	0.00000000E+00	0.00000000E+00	-0.11923176	0.12235953E-03	0.78696309E-03	0.00000000E+00
235	0.00000000E+00	0.00000000E+00	-0.13393022	0.13799315E-03	0.71318332E-03	0.00000000E+00
236	0.00000000E+00	0.00000000E+00	-0.14727411	0.15225826E-03	0.64945414E-03	0.00000000E+00
237	0.00000000E+00	0.00000000E+00	-0.15949148	0.16536786E-03	0.59889352E-03	0.00000000E+00
238	0.00000000E+00	0.00000000E+00	-0.17087071	0.17760857E-03	0.56458965E-03	0.00000000E+00
239	0.00000000E+00	0.00000000E+00	-0.18176302	0.18933677E-03	0.54992305E-03	0.00000000E+00
240	0.00000000E+00	0.00000000E+00	-0.19259127	0.20097846E-03	0.55887290E-03	0.00000000E+00
241	0.00000000E+00	0.00000000E+00	-0.20386463	0.21302926E-03	0.59631344E-03	0.00000000E+00
242	0.00000000E+00	0.00000000E+00	-0.21619893	0.22606005E-03	0.66830215E-03	0.00000000E+00

315	0.00000000E+00	0.00000000E+00	-0.56044249E-01	0.12760629E-02	0.29312619E-03	0.00000000E+00
316	0.00000000E+00	0.00000000E+00	-0.61523689E-01	0.14022321E-02	0.26645018E-03	0.00000000E+00
317	0.00000000E+00	0.00000000E+00	-0.66532853E-01	0.15176672E-02	0.24539809E-03	0.00000000E+00
318	0.00000000E+00	0.00000000E+00	-0.71193713E-01	0.16251410E-02	0.23117784E-03	0.00000000E+00
319	0.00000000E+00	0.00000000E+00	-0.75653535E-01	0.17280153E-02	0.22518795E-03	0.00000000E+00
320	0.00000000E+00	0.00000000E+00	-0.80090174E-01	0.18303429E-02	0.22918165E-03	0.00000000E+00
321	0.00000000E+00	0.00000000E+00	-0.84721067E-01	0.19370385E-02	0.24548552E-03	0.00000000E+00
322	0.00000000E+00	0.00000000E+00	-0.89817713E-01	0.20542904E-02	0.27747375E-03	0.00000000E+00
323	0.00000000E+00	0.00000000E+00	-0.95733366E-01	0.21886600E-02	0.32999807E-03	0.00000000E+00
324	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.54391918E-06	0.25704856E-03	0.00000000E+00
325	0.00000000E+00	0.00000000E+00	-0.50118101E-02	0.23969438E-03	0.25154930E-03	0.00000000E+00
326	0.00000000E+00	0.00000000E+00	-0.98241014E-02	0.47065990E-03	0.23801233E-03	0.00000000E+00
327	0.00000000E+00	0.00000000E+00	-0.14329649E-01	0.68734560E-03	0.22085928E-03	0.00000000E+00
328	0.00000000E+00	0.00000000E+00	-0.18481255E-01	0.88731708E-03	0.20227509E-03	0.00000000E+00
329	0.00000000E+00	0.00000000E+00	-0.22265604E-01	0.10697766E-02	0.18365200E-03	0.00000000E+00
330	0.00000000E+00	0.00000000E+00	-0.25692164E-01	0.12350985E-02	0.16596917E-03	0.00000000E+00
331	0.00000000E+00	0.00000000E+00	-0.28787071E-01	0.13844942E-02	0.14997412E-03	0.00000000E+00
332	0.00000000E+00	0.00000000E+00	-0.31589729E-01	0.15198369E-02	0.13629130E-03	0.00000000E+00
333	0.00000000E+00	0.00000000E+00	-0.34151232E-01	0.16435764E-02	0.12550345E-03	0.00000000E+00
334	0.00000000E+00	0.00000000E+00	-0.36534258E-01	0.17587294E-02	0.11822353E-03	0.00000000E+00
335	0.00000000E+00	0.00000000E+00	-0.38814399E-01	0.18689388E-02	0.11517142E-03	0.00000000E+00
336	0.00000000E+00	0.00000000E+00	-0.41083014E-01	0.19786016E-02	0.11725760E-03	0.00000000E+00
337	0.00000000E+00	0.00000000E+00	-0.43452774E-01	0.20931188E-02	0.12576029E-03	0.00000000E+00
338	0.00000000E+00	0.00000000E+00	-0.46061797E-01	0.22191406E-02	0.14201349E-03	0.00000000E+00
339	0.00000000E+00	0.00000000E+00	-0.49104279E-01	0.23648691E-02	0.17013363E-03	0.00000000E+00
340	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.70165770E-06	0.32092170E-06	0.00000000E+00
341	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.24798266E-03	0.20229904E-06	0.00000000E+00
342	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.48614023E-03	0.82811972E-08	0.00000000E+00
343	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.70890121E-03	-0.56616023E-07	0.00000000E+00
344	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.91408169E-03	-0.10145601E-06	0.00000000E+00
345	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.11010639E-02	-0.13123386E-06	0.00000000E+00
346	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.12703468E-02	-0.15351705E-06	0.00000000E+00
347	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.14232387E-02	-0.17235093E-06	0.00000000E+00
348	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.15616966E-02	-0.19114090E-06	0.00000000E+00
349	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.16882514E-02	-0.21291045E-06	0.00000000E+00
350	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.18060051E-02	-0.24216748E-06	0.00000000E+00
351	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.19186987E-02	-0.27696872E-06	0.00000000E+00
352	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.20308663E-02	-0.36751112E-06	0.00000000E+00
353	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.21480613E-02	-0.23519271E-06	0.00000000E+00
354	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.22774282E-02	-0.17152569E-05	0.00000000E+00
355	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.24281482E-02	0.68924014E-05	0.00000000E+00

MAXIMUMS

NODE	0	0	243	355	212	0
VALUE	0.00000000E+00	0.00000000E+00	-0.23034244	0.24281482E-02	0.11673089E-02	0.00000000E+00

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ELEM=    1    FX                FY                FZ                MX                MY                MZ
  100    0.00000000E+00   0.00000000E+00    8579.1398       -0.15036861E-11   0.51283422E-11   0.00000000E+00
  101    0.00000000E+00   0.00000000E+00   -8950.5548        756.51578        135.00944        0.00000000E+00
  117    0.00000000E+00   0.00000000E+00    8918.4929       -4507.8839        3661.8735        0.00000000E+00
  116    0.00000000E+00   0.00000000E+00   -8963.5792        422.81457       -343.58370        0.00000000E+00

ELEM=    2    FX                FY                FZ                MX                MY                MZ
  101    0.00000000E+00   0.00000000E+00    7932.4039       -756.51578       -135.00944        0.00000000E+00
  102    0.00000000E+00   0.00000000E+00   -8807.0698        617.58037        328.59297        0.00000000E+00
  118    0.00000000E+00   0.00000000E+00    8701.8893       -8543.4209        5973.0646        0.00000000E+00
  117    0.00000000E+00   0.00000000E+00   -8243.7248       -4912.5142       -4146.4727        0.00000000E+00

ELEM=    3    FX                FY                FZ                MX                MY                MZ
  102    0.00000000E+00   0.00000000E+00    7223.0089       -617.58037       -328.59297        0.00000000E+00
  103    0.00000000E+00   0.00000000E+00   -8424.3393        553.78030        644.06463        0.00000000E+00
  119    0.00000000E+00   0.00000000E+00    8292.3334       -11623.108        7274.3626        0.00000000E+00
  118    0.00000000E+00   0.00000000E+00   -7507.5044       -8571.9182       -6095.4353        0.00000000E+00

ELEM=    4    FX                FY                FZ                MX                MY                MZ
  103    0.00000000E+00   0.00000000E+00    6464.6736       -553.78030       -644.06463        0.00000000E+00
  104    0.00000000E+00   0.00000000E+00   -7938.4780        493.39404        980.36285        0.00000000E+00
  120    0.00000000E+00   0.00000000E+00    7785.8719       -14162.726        7935.1829        0.00000000E+00
  119    0.00000000E+00   0.00000000E+00   -6728.5689       -11594.183       -7180.8469        0.00000000E+00

ELEM=    5    FX                FY                FZ                MX                MY                MZ
  104    0.00000000E+00   0.00000000E+00    5709.7084       -493.39404       -980.36285        0.00000000E+00
  105    0.00000000E+00   0.00000000E+00   -7409.0589        443.82136       1327.1646        0.00000000E+00
  121    0.00000000E+00   0.00000000E+00    7241.5709       -16283.658       8169.8355        0.00000000E+00
  120    0.00000000E+00   0.00000000E+00   -5958.7217       -14085.207      -7717.6897        0.00000000E+00

ELEM=    6    FX                FY                FZ                MX                MY                MZ
  105    0.00000000E+00   0.00000000E+00    4990.6468       -443.82136      -1327.1646        0.00000000E+00
  106    0.00000000E+00   0.00000000E+00   -6879.7421        402.05101       1676.7286        0.00000000E+00
  122    0.00000000E+00   0.00000000E+00    6700.5829       -18072.292       8090.9132        0.00000000E+00
  121    0.00000000E+00   0.00000000E+00   -5227.9889       -16175.168      -7870.2842        0.00000000E+00

ELEM=    7    FX                FY                FZ                MX                MY                MZ
  106    0.00000000E+00   0.00000000E+00    4332.4197       -402.05101      -1676.7286        0.00000000E+00
  107    0.00000000E+00   0.00000000E+00   -6382.0071        367.71082       2027.3330        0.00000000E+00
  123    0.00000000E+00   0.00000000E+00    6193.3126       -19588.608       7764.6538        0.00000000E+00
  122    0.00000000E+00   0.00000000E+00   -4560.2264       -17940.323      -7731.9584        0.00000000E+00

ELEM=    8    FX                FY                FZ                MX                MY                MZ
  107    0.00000000E+00   0.00000000E+00    3755.0580       -367.71082      -2027.3330        0.00000000E+00
  108    0.00000000E+00   0.00000000E+00   -5940.9162        341.11753       2380.9442        0.00000000E+00
  124    0.00000000E+00   0.00000000E+00    5744.0642       -20879.742       7226.5498        0.00000000E+00
  123    0.00000000E+00   0.00000000E+00   -3974.7074       -19436.857      -7356.7467        0.00000000E+00

ELEM=    9    FX                FY                FZ                MX                MY                MZ
  108    0.00000000E+00   0.00000000E+00    3276.4423       -341.11753      -2380.9442        0.00000000E+00
  109    0.00000000E+00   0.00000000E+00   -5578.4189        323.29704       2742.9980        0.00000000E+00
  125    0.00000000E+00   0.00000000E+00    5374.2162       -21985.627       6488.4185        0.00000000E+00
  124    0.00000000E+00   0.00000000E+00   -3488.7409       -20708.560      -6771.1324        0.00000000E+00

ELEM=   10    FX                FY                FZ                MX                MY                MZ
  109    0.00000000E+00   0.00000000E+00    2914.4989       -323.29704      -2742.9980        0.00000000E+00
  110    0.00000000E+00   0.00000000E+00   -5315.9991        316.30639       3123.8944        0.00000000E+00
  126    0.00000000E+00   0.00000000E+00    5104.8282       -22942.971       5540.6250        0.00000000E+00
  125    0.00000000E+00   0.00000000E+00   -3119.8293       -21792.330      -5978.7593        0.00000000E+00

ELEM=   11    FX                FY                FZ                MX                MY                MZ
  110    0.00000000E+00   0.00000000E+00    2689.8954       -316.30639      -3123.8944        0.00000000E+00
  111    0.00000000E+00   0.00000000E+00   -5177.7375        322.53656       3533.0980        0.00000000E+00
  127    0.00000000E+00   0.00000000E+00    4959.1210       -23788.707       4349.7384        0.00000000E+00
  126    0.00000000E+00   0.00000000E+00   -2887.7803       -22721.188      -4962.1121        0.00000000E+00

ELEM=   12    FX                FY                FZ                MX                MY                MZ
  111    0.00000000E+00   0.00000000E+00    2625.6163       -322.53656      -3533.0980        0.00000000E+00
  112    0.00000000E+00   0.00000000E+00   -5189.9172        356.30120       4029.1070        0.00000000E+00
  128    0.00000000E+00   0.00000000E+00    4965.3339       -24568.018       2858.2610        0.00000000E+00
  127    0.00000000E+00   0.00000000E+00   -2817.5344       -23529.170      -3674.3880        0.00000000E+00
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ELEM=	13	FX	FY	FZ	MX	MY	MZ
	112	0.00000000E+00	0.00000000E+00	2769.6852	-356.30120	-4029.1070	0.00000000E+00
	113	0.00000000E+00	0.00000000E+00	-5408.2290	370.75827	4408.8135	0.00000000E+00
	129	0.00000000E+00	0.00000000E+00	5162.0373	-25345.799	943.87777	0.00000000E+00
	128	0.00000000E+00	0.00000000E+00	-2939.9949	-24246.637	-2067.2279	0.00000000E+00

ELEM=	14	FX	FY	FZ	MX	MY	MZ
	113	0.00000000E+00	0.00000000E+00	3073.1277	-370.75827	-4408.8135	0.00000000E+00
	114	0.00000000E+00	0.00000000E+00	-5771.5356	749.13499	6226.7760	0.00000000E+00
	130	0.00000000E+00	0.00000000E+00	5597.7189	-26189.506	-1296.5878	0.00000000E+00
	129	0.00000000E+00	0.00000000E+00	-3315.8123	-24988.078	153.53038	0.00000000E+00

ELEM=	15	FX	FY	FZ	MX	MY	MZ
	114	0.00000000E+00	0.00000000E+00	4200.7253	-749.13499	-6226.7760	0.00000000E+00
	115	0.00000000E+00	0.00000000E+00	-7044.1418	0.21779600E-09	0.33967495E-10	0.00000000E+00
	131	0.00000000E+00	0.00000000E+00	6358.8753	-27732.572	-5108.7270	0.00000000E+00
	130	0.00000000E+00	0.00000000E+00	-3931.9602	-25275.676	1985.9935	0.00000000E+00

ELEM=	16	FX	FY	FZ	MX	MY	MZ
	116	0.00000000E+00	0.00000000E+00	7789.7511	-422.81457	343.58370	0.00000000E+00
	117	0.00000000E+00	0.00000000E+00	-8094.6281	5767.0246	4348.8851	0.00000000E+00
	133	0.00000000E+00	0.00000000E+00	8463.0748	-8076.0349	6872.8585	0.00000000E+00
	132	0.00000000E+00	0.00000000E+00	-8574.6992	760.64826	-262.05807	0.00000000E+00

ELEM=	17	FX	FY	FZ	MX	MY	MZ
	117	0.00000000E+00	0.00000000E+00	7419.8599	3653.3735	-3864.2858	0.00000000E+00
	118	0.00000000E+00	0.00000000E+00	-8069.0748	9624.2683	6579.0556	0.00000000E+00
	134	0.00000000E+00	0.00000000E+00	8207.4873	-14991.546	11365.202	0.00000000E+00
	133	0.00000000E+00	0.00000000E+00	-7974.7737	-7281.7668	-7285.3753	0.00000000E+00

ELEM=	18	FX	FY	FZ	MX	MY	MZ
	118	0.00000000E+00	0.00000000E+00	6874.6899	7491.0708	-6456.6849	0.00000000E+00
	119	0.00000000E+00	0.00000000E+00	-7789.1046	12639.836	8146.6028	0.00000000E+00
	135	0.00000000E+00	0.00000000E+00	7799.8061	-20658.281	14154.388	0.00000000E+00
	134	0.00000000E+00	0.00000000E+00	-7301.8927	-13878.373	-11552.844	0.00000000E+00

ELEM=	19	FX	FY	FZ	MX	MY	MZ
	119	0.00000000E+00	0.00000000E+00	6225.3401	10577.455	-8240.1185	0.00000000E+00
	120	0.00000000E+00	0.00000000E+00	-7379.1618	15086.445	9281.6356	0.00000000E+00
	136	0.00000000E+00	0.00000000E+00	7307.2365	-25422.731	15780.183	0.00000000E+00
	135	0.00000000E+00	0.00000000E+00	-6569.9160	-19530.820	-14149.725	0.00000000E+00

ELEM=	20	FX	FY	FZ	MX	MY	MZ
	120	0.00000000E+00	0.00000000E+00	5552.0116	13161.487	-9499.1288	0.00000000E+00
	121	0.00000000E+00	0.00000000E+00	-6910.7111	17122.411	10078.158	0.00000000E+00
	137	0.00000000E+00	0.00000000E+00	6779.8050	-29447.049	16586.025	0.00000000E+00
	136	0.00000000E+00	0.00000000E+00	-5837.6069	-24306.005	-15649.101	0.00000000E+00

ELEM=	21	FX	FY	FZ	MX	MY	MZ
	121	0.00000000E+00	0.00000000E+00	4897.1291	15336.415	-10377.709	0.00000000E+00
	122	0.00000000E+00	0.00000000E+00	-6431.4598	18835.228	10604.451	0.00000000E+00
	138	0.00000000E+00	0.00000000E+00	6255.6077	-32863.219	16778.616	0.00000000E+00
	137	0.00000000E+00	0.00000000E+00	-5137.7784	-28360.456	-16370.346	0.00000000E+00

ELEM=	22	FX	FY	FZ	MX	MY	MZ
	122	0.00000000E+00	0.00000000E+00	4291.1033	17177.388	-10963.406	0.00000000E+00
	123	0.00000000E+00	0.00000000E+00	-5975.7041	20287.179	10904.823	0.00000000E+00
	139	0.00000000E+00	0.00000000E+00	5763.4822	-35772.561	16483.853	0.00000000E+00
	138	0.00000000E+00	0.00000000E+00	-4495.3828	-31809.548	-16503.106	0.00000000E+00

ELEM=	23	FX	FY	FZ	MX	MY	MZ
	123	0.00000000E+00	0.00000000E+00	3757.0989	18738.285	-11312.730	0.00000000E+00
	124	0.00000000E+00	0.00000000E+00	-5570.2550	21527.267	11006.519	0.00000000E+00
	140	0.00000000E+00	0.00000000E+00	5326.5337	-38259.540	15772.347	0.00000000E+00
	139	0.00000000E+00	0.00000000E+00	-3929.8789	-34746.084	-16161.360	0.00000000E+00

ELEM=	24	FX	FY	FZ	MX	MY	MZ
	124	0.00000000E+00	0.00000000E+00	3314.9318	20061.036	-11461.936	0.00000000E+00
	125	0.00000000E+00	0.00000000E+00	-5238.2118	22597.962	10922.478	0.00000000E+00
	141	0.00000000E+00	0.00000000E+00	4964.9229	-40399.007	14671.632	0.00000000E+00
	140	0.00000000E+00	0.00000000E+00	-3458.1442	-37246.590	-15406.924	0.00000000E+00

ELEM=	25 FX	FY	FZ	MX	MY	MZ
125	0.00000000E+00	0.00000000E+00	2983.8249	21179.995	-11432.137	0.00000000E+00
126	0.00000000E+00	0.00000000E+00	-5001.8962	23539.274	10652.240	0.00000000E+00
142	0.00000000E+00	0.00000000E+00	4698.2834	-42262.066	13170.823	0.00000000E+00
141	0.00000000E+00	0.00000000E+00	-3096.7135	-39377.544	-14260.024	0.00000000E+00

ELEM=	26 FX	FY	FZ	MX	MY	MZ
126	0.00000000E+00	0.00000000E+00	2784.8483	22124.885	-11230.753	0.00000000E+00
127	0.00000000E+00	0.00000000E+00	-4885.3159	24394.057	10180.312	0.00000000E+00
143	0.00000000E+00	0.00000000E+00	4547.8282	-43920.625	11220.439	0.00000000E+00
142	0.00000000E+00	0.00000000E+00	-2863.8619	-41199.543	-12703.044	0.00000000E+00

ELEM=	27 FX	FY	FZ	MX	MY	MZ
127	0.00000000E+00	0.00000000E+00	2743.7293	22923.821	-10855.662	0.00000000E+00
128	0.00000000E+00	0.00000000E+00	-4917.5296	25208.212	9473.0442	0.00000000E+00
144	0.00000000E+00	0.00000000E+00	4539.0320	-45457.571	8725.1543	0.00000000E+00
143	0.00000000E+00	0.00000000E+00	-2781.7331	-42771.673	-10679.375	0.00000000E+00

ELEM=	28 FX	FY	FZ	MX	MY	MZ
128	0.00000000E+00	0.00000000E+00	2892.1905	23606.444	-10264.077	0.00000000E+00
129	0.00000000E+00	0.00000000E+00	-5129.1628	26090.643	8466.1939	0.00000000E+00
145	0.00000000E+00	0.00000000E+00	4698.9068	-46939.484	5533.3726	0.00000000E+00
144	0.00000000E+00	0.00000000E+00	-2878.4359	-44143.523	-8086.7926	0.00000000E+00

ELEM=	29 FX	FY	FZ	MX	MY	MZ
129	0.00000000E+00	0.00000000E+00	3282.9378	24243.234	-9563.6020	0.00000000E+00
130	0.00000000E+00	0.00000000E+00	-5584.8979	26991.960	7190.8146	0.00000000E+00
146	0.00000000E+00	0.00000000E+00	5077.9555	-48547.049	1261.6734	0.00000000E+00
145	0.00000000E+00	0.00000000E+00	-3192.4967	-45399.818	-4743.2447	0.00000000E+00

ELEM=	30 FX	FY	FZ	MX	MY	MZ
130	0.00000000E+00	0.00000000E+00	3919.1392	24473.223	-7880.2202	0.00000000E+00
131	0.00000000E+00	0.00000000E+00	-6358.8753	27732.572	5108.7270	0.00000000E+00
147	0.00000000E+00	0.00000000E+00	5779.8592	-51056.642	-4201.6668	0.00000000E+00
146	0.00000000E+00	0.00000000E+00	-3756.6244	-46671.456	-293.84271	0.00000000E+00

ELEM=	31 FX	FY	FZ	MX	MY	MZ
132	0.00000000E+00	0.00000000E+00	6711.6132	-760.64826	262.05807	0.00000000E+00
133	0.00000000E+00	0.00000000E+00	-6992.8229	8901.4674	7245.2143	0.00000000E+00
149	0.00000000E+00	0.00000000E+00	7622.6477	-10556.335	9115.8559	0.00000000E+00
148	0.00000000E+00	0.00000000E+00	-7757.9393	927.15098	-196.84945	0.00000000E+00

ELEM=	32 FX	FY	FZ	MX	MY	MZ
133	0.00000000E+00	0.00000000E+00	6504.5218	6456.3343	-6832.6975	0.00000000E+00
134	0.00000000E+00	0.00000000E+00	-7027.0994	15787.901	11652.880	0.00000000E+00
150	0.00000000E+00	0.00000000E+00	7368.9036	-19627.387	15419.253	0.00000000E+00
149	0.00000000E+00	0.00000000E+00	-7262.8273	-9029.1172	-9458.3600	0.00000000E+00

ELEM=	33 FX	FY	FZ	MX	MY	MZ
134	0.00000000E+00	0.00000000E+00	6121.5048	13082.018	-11465.238	0.00000000E+00
135	0.00000000E+00	0.00000000E+00	-6842.7982	21479.732	14568.863	0.00000000E+00
151	0.00000000E+00	0.00000000E+00	6993.4083	-27348.898	19551.252	0.00000000E+00
150	0.00000000E+00	0.00000000E+00	-6688.6162	-17678.924	-15621.206	0.00000000E+00

ELEM=	34 FX	FY	FZ	MX	MY	MZ
135	0.00000000E+00	0.00000000E+00	5612.9082	18709.369	-14573.526	0.00000000E+00
136	0.00000000E+00	0.00000000E+00	-6525.1634	26210.361	16530.847	0.00000000E+00
152	0.00000000E+00	0.00000000E+00	6544.3406	-33961.504	22098.063	0.00000000E+00
151	0.00000000E+00	0.00000000E+00	-6048.5867	-25319.919	-19597.799	0.00000000E+00

ELEM=	35 FX	FY	FZ	MX	MY	MZ
136	0.00000000E+00	0.00000000E+00	5055.5338	23518.374	-16661.930	0.00000000E+00
137	0.00000000E+00	0.00000000E+00	-6139.1528	30185.515	17793.457	0.00000000E+00
153	0.00000000E+00	0.00000000E+00	6062.7653	-39617.275	23475.598	0.00000000E+00
152	0.00000000E+00	0.00000000E+00	-5395.6475	-31944.130	-22022.608	0.00000000E+00

ELEM=	36 FX	FY	FZ	MX	MY	MZ
137	0.00000000E+00	0.00000000E+00	4497.1262	27621.990	-18009.136	0.00000000E+00
138	0.00000000E+00	0.00000000E+00	-5731.9943	33548.243	18510.085	0.00000000E+00
154	0.00000000E+00	0.00000000E+00	5582.4353	-44456.576	23960.967	0.00000000E+00
153	0.00000000E+00	0.00000000E+00	-4764.0685	-37656.653	-23311.561	0.00000000E+00

ELEM=	37	FX	FY	FZ	MX	MY	MZ
	138	0.00000000E+00	0.00000000E+00	3971.7694	31124.524	-18785.595	0.00000000E+00
	139	0.00000000E+00	0.00000000E+00	-5338.5106	36407.542	18776.733	0.00000000E+00
	155	0.00000000E+00	0.00000000E+00	5129.7969	-48600.332	23732.481	0.00000000E+00
	154	0.00000000E+00	0.00000000E+00	-4179.5571	-42564.940	-23732.694	0.00000000E+00
ELEM=	38	FX	FY	FZ	MX	MY	MZ
	139	0.00000000E+00	0.00000000E+00	3504.9073	34111.103	-19099.227	0.00000000E+00
	140	0.00000000E+00	0.00000000E+00	-4985.9081	38852.634	18650.086	0.00000000E+00
	156	0.00000000E+00	0.00000000E+00	4726.1695	-52156.889	22894.516	0.00000000E+00
	155	0.00000000E+00	0.00000000E+00	-3661.6700	-46770.950	-23454.539	0.00000000E+00
ELEM=	39	FX	FY	FZ	MX	MY	MZ
	140	0.00000000E+00	0.00000000E+00	3117.5185	36653.496	-19015.508	0.00000000E+00
	141	0.00000000E+00	0.00000000E+00	-4697.2864	40962.261	18154.996	0.00000000E+00
	157	0.00000000E+00	0.00000000E+00	4389.9638	-55227.068	21491.866	0.00000000E+00
	156	0.00000000E+00	0.00000000E+00	-3226.6972	-50367.641	-22573.164	0.00000000E+00
ELEM=	40	FX	FY	FZ	MX	MY	MZ
	141	0.00000000E+00	0.00000000E+00	2829.0770	38814.290	-18566.605	0.00000000E+00
	142	0.00000000E+00	0.00000000E+00	-4494.4253	42811.119	17286.974	0.00000000E+00
	158	0.00000000E+00	0.00000000E+00	4138.7448	-57909.261	19516.361	0.00000000E+00
	157	0.00000000E+00	0.00000000E+00	-2889.8979	-53440.939	-21126.354	0.00000000E+00
ELEM=	41	FX	FY	FZ	MX	MY	MZ
	142	0.00000000E+00	0.00000000E+00	2660.0038	40650.490	-17754.754	0.00000000E+00
	143	0.00000000E+00	0.00000000E+00	-4400.1744	44475.813	16011.141	0.00000000E+00
	159	0.00000000E+00	0.00000000E+00	3991.1056	-60304.952	16907.338	0.00000000E+00
	158	0.00000000E+00	0.00000000E+00	-2667.4364	-56072.518	-19099.761	0.00000000E+00
ELEM=	42	FX	FY	FZ	MX	MY	MZ
	143	0.00000000E+00	0.00000000E+00	2634.0793	42216.485	-16552.205	0.00000000E+00
	144	0.00000000E+00	0.00000000E+00	-4440.9897	46040.131	14255.656	0.00000000E+00
	160	0.00000000E+00	0.00000000E+00	3968.5128	-62526.134	13544.790	0.00000000E+00
	159	0.00000000E+00	0.00000000E+00	-2578.1037	-58343.142	-16427.076	0.00000000E+00
ELEM=	43	FX	FY	FZ	MX	MY	MZ
	144	0.00000000E+00	0.00000000E+00	2780.3936	43560.963	-14894.017	0.00000000E+00
	145	0.00000000E+00	0.00000000E+00	-4650.5967	47598.254	11898.087	0.00000000E+00
	161	0.00000000E+00	0.00000000E+00	4098.4150	-64724.812	9238.4898	0.00000000E+00
	160	0.00000000E+00	0.00000000E+00	-2644.7133	-60338.234	-12983.607	0.00000000E+00
ELEM=	44	FX	FY	FZ	MX	MY	MZ
	145	0.00000000E+00	0.00000000E+00	3144.1865	44741.048	-12688.215	0.00000000E+00
	146	0.00000000E+00	0.00000000E+00	-5068.9045	49401.543	8634.1348	0.00000000E+00
	162	0.00000000E+00	0.00000000E+00	4403.4254	-67029.664	3685.6963	0.00000000E+00
	161	0.00000000E+00	0.00000000E+00	-2895.2088	-62128.859	-8593.2928	0.00000000E+00
ELEM=	45	FX	FY	FZ	MX	MY	MZ
	146	0.00000000E+00	0.00000000E+00	3747.5734	45816.962	-9601.9655	0.00000000E+00
	147	0.00000000E+00	0.00000000E+00	-5779.8592	51056.642	4201.6668	0.00000000E+00
	163	0.00000000E+00	0.00000000E+00	4970.5547	-70154.527	-3439.6753	0.00000000E+00
	162	0.00000000E+00	0.00000000E+00	-3354.7703	-63929.394	-2940.6809	0.00000000E+00
ELEM=	46	FX	FY	FZ	MX	MY	MZ
	148	0.00000000E+00	0.00000000E+00	5423.9665	-927.15098	196.84945	0.00000000E+00
	149	0.00000000E+00	0.00000000E+00	-5684.9700	11120.617	9383.4386	0.00000000E+00
	165	0.00000000E+00	0.00000000E+00	6506.8195	-12315.891	10753.140	0.00000000E+00
	164	0.00000000E+00	0.00000000E+00	-6662.3172	1046.2662	-143.46557	0.00000000E+00
ELEM=	47	FX	FY	FZ	MX	MY	MZ
	149	0.00000000E+00	0.00000000E+00	5325.1497	8464.8361	-9040.9345	0.00000000E+00
	150	0.00000000E+00	0.00000000E+00	-5760.5905	20187.629	15596.908	0.00000000E+00
	166	0.00000000E+00	0.00000000E+00	6265.6886	-22964.803	18438.352	0.00000000E+00
	165	0.00000000E+00	0.00000000E+00	-6246.7491	-10322.341	-11012.691	0.00000000E+00
ELEM=	48	FX	FY	FZ	MX	MY	MZ
	150	0.00000000E+00	0.00000000E+00	5080.3031	17118.682	-15394.956	0.00000000E+00
	151	0.00000000E+00	0.00000000E+00	-5661.3822	27962.554	19761.211	0.00000000E+00
	167	0.00000000E+00	0.00000000E+00	5933.2506	-32238.441	23656.025	0.00000000E+00
	166	0.00000000E+00	0.00000000E+00	-5768.6728	-20448.493	-18611.946	0.00000000E+00

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ELEM=  49     FX                 FY                 FZ              MX              MY              MZ
  151    0.00000000E+00    0.00000000E+00     4716.5605       24706.263       -19714.664    0.00000000E+00
  152    0.00000000E+00    0.00000000E+00    -5441.7806       34583.042        22508.488    0.00000000E+00
  168    0.00000000E+00    0.00000000E+00     5542.7317      -40296.699        26986.939    0.00000000E+00
  167    0.00000000E+00    0.00000000E+00    -5234.0130      -29538.781       -23720.408    0.00000000E+00

ELEM=  50     FX                 FY                 FZ              MX              MY              MZ
  152    0.00000000E+00    0.00000000E+00     4293.0875       31322.593       -22583.943    0.00000000E+00
  153    0.00000000E+00    0.00000000E+00    -5152.2679       40223.214        24212.924    0.00000000E+00
  169    0.00000000E+00    0.00000000E+00     5125.2126      -47263.572        28875.631    0.00000000E+00
  168    0.00000000E+00    0.00000000E+00    -4682.5336      -37561.202       -26953.183    0.00000000E+00

ELEM=  51     FX                 FY                 FZ              MX              MY              MZ
  153    0.00000000E+00    0.00000000E+00     3853.5711       37050.713       -24376.961    0.00000000E+00
  154    0.00000000E+00    0.00000000E+00    -4834.3318       45033.869        25108.394    0.00000000E+00
  170    0.00000000E+00    0.00000000E+00     4708.1250      -53269.774        29640.373    0.00000000E+00
  169    0.00000000E+00    0.00000000E+00    -4143.8656      -44574.013       -28763.747    0.00000000E+00

ELEM=  52     FX                 FY                 FZ              MX              MY              MZ
  154    0.00000000E+00    0.00000000E+00     3431.4537       41987.647       -25336.667    0.00000000E+00
  155    0.00000000E+00    0.00000000E+00    -4520.4235       49145.242        25341.792    0.00000000E+00
  171    0.00000000E+00    0.00000000E+00     4313.8517      -58440.551        29496.756    0.00000000E+00
  170    0.00000000E+00    0.00000000E+00    -3641.3832      -50659.010       -29468.975    0.00000000E+00

ELEM=  53     FX                 FY                 FZ              MX              MY              MZ
  155    0.00000000E+00    0.00000000E+00     3052.2966       46226.040       -25619.734    0.00000000E+00
  156    0.00000000E+00    0.00000000E+00    -4236.4241       52672.157        24999.438    0.00000000E+00
  172    0.00000000E+00    0.00000000E+00     3960.6793      -62896.570        28576.285    0.00000000E+00
  171    0.00000000E+00    0.00000000E+00    -3193.0531      -55909.515       -29278.875    0.00000000E+00

ELEM=  54     FX                 FY                 FZ              MX              MY              MZ
  156    0.00000000E+00    0.00000000E+00     2736.9519       49852.374       -25320.790    0.00000000E+00
  157    0.00000000E+00    0.00000000E+00    -4004.2428       55720.350        24119.154    0.00000000E+00
  173    0.00000000E+00    0.00000000E+00     3664.3067      -66755.879        26939.341    0.00000000E+00
  172    0.00000000E+00    0.00000000E+00    -2813.5172      -60421.265       -28318.738    0.00000000E+00

ELEM=  55     FX                 FY                 FZ              MX              MY              MZ
  157    0.00000000E+00    0.00000000E+00     2504.1768       52947.656       -24484.666    0.00000000E+00
  158    0.00000000E+00    0.00000000E+00    -3844.1562       58392.328        22694.916    0.00000000E+00
  174    0.00000000E+00    0.00000000E+00     3439.4475      -70137.399        24582.433    0.00000000E+00
  173    0.00000000E+00    0.00000000E+00    -2515.9695      -64289.850       -26643.261    0.00000000E+00

ELEM=  56     FX                 FY                 FZ              MX              MY              MZ
  158    0.00000000E+00    0.00000000E+00     2372.8477       55589.451       -23111.516    0.00000000E+00
  159    0.00000000E+00    0.00000000E+00    -3776.8995       60793.357        20676.024    0.00000000E+00
  175    0.00000000E+00    0.00000000E+00     3301.3327      -73166.181        21440.282    0.00000000E+00
  174    0.00000000E+00    0.00000000E+00    -2313.7823      -67610.970       -24244.185    0.00000000E+00

ELEM=  57     FX                 FY                 FZ              MX              MY              MZ
  159    0.00000000E+00    0.00000000E+00     2363.8975       57854.736       -21156.286    0.00000000E+00
  160    0.00000000E+00    0.00000000E+00    -3825.3684       63041.126        17959.887    0.00000000E+00
  176    0.00000000E+00    0.00000000E+00     3266.7885      -75979.510        17382.871    0.00000000E+00
  175    0.00000000E+00    0.00000000E+00    -2221.8189      -70482.044       -21052.925    0.00000000E+00

ELEM=  58     FX                 FY                 FZ              MX              MY              MZ
  160    0.00000000E+00    0.00000000E+00     2501.5689       59823.243       -18521.070    0.00000000E+00
  161    0.00000000E+00    0.00000000E+00    -4017.0301       65264.475        14378.160    0.00000000E+00
  177    0.00000000E+00    0.00000000E+00     3356.1183      -78747.167        12209.118    0.00000000E+00
  176    0.00000000E+00    0.00000000E+00    -2257.1584      -73007.647       -16938.367    0.00000000E+00

ELEM=  59     FX                 FY                 FZ              MX              MY              MZ
  161    0.00000000E+00    0.00000000E+00     2813.8239       61589.197       -15023.358    0.00000000E+00
  162    0.00000000E+00    0.00000000E+00    -4375.4789       67707.209         9665.3204    0.00000000E+00
  178    0.00000000E+00    0.00000000E+00     3584.6381      -81614.096         5644.9004    0.00000000E+00
  177    0.00000000E+00    0.00000000E+00    -2439.4845      -75291.758       -11705.629    0.00000000E+00

ELEM=  60     FX                 FY                 FZ              MX              MY              MZ
  162    0.00000000E+00    0.00000000E+00     3326.8238       63251.849       -10410.336    0.00000000E+00
  163    0.00000000E+00    0.00000000E+00    -4970.5547       70154.527         3439.6753    0.00000000E+00
  179    0.00000000E+00    0.00000000E+00     4012.4208      -85159.931        -2648.3505    0.00000000E+00
  178    0.00000000E+00    0.00000000E+00    -2785.1912      -77530.243        -5078.7004    0.00000000E+00
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ELEM= 61	FX	FY	FZ	MX	MY	MZ
164	0.00000000E+00	0.00000000E+00	3985.5343	-1046.2662	143.46557	0.00000000E+00
165	0.00000000E+00	0.00000000E+00	-4230.9634	12710.016	10941.993	0.00000000E+00
181	0.00000000E+00	0.00000000E+00	5190.8953	-13547.971	11908.820	0.00000000E+00
180	0.00000000E+00	0.00000000E+00	-5361.9675	1125.7812	-97.900271	0.00000000E+00

ELEM= 62	FX	FY	FZ	MX	MY	MZ
165	0.00000000E+00	0.00000000E+00	3970.8930	9928.2158	-10682.441	0.00000000E+00
166	0.00000000E+00	0.00000000E+00	-4338.2537	23354.212	18551.762	0.00000000E+00
182	0.00000000E+00	0.00000000E+00	4965.0756	-25299.866	20587.972	0.00000000E+00
181	0.00000000E+00	0.00000000E+00	-5014.2162	-11228.407	-12089.871	0.00000000E+00

ELEM= 63	FX	FY	FZ	MX	MY	MZ
166	0.00000000E+00	0.00000000E+00	3841.2380	20059.084	-18378.169	0.00000000E+00
167	0.00000000E+00	0.00000000E+00	-4311.0809	32675.720	23767.470	0.00000000E+00
183	0.00000000E+00	0.00000000E+00	4678.7466	-35678.856	26616.090	0.00000000E+00
182	0.00000000E+00	0.00000000E+00	-4625.4051	-22392.429	-20717.429	0.00000000E+00

ELEM= 64	FX	FY	FZ	MX	MY	MZ
167	0.00000000E+00	0.00000000E+00	3611.8433	29101.502	-23703.087	0.00000000E+00
168	0.00000000E+00	0.00000000E+00	-4184.5191	40756.142	27213.798	0.00000000E+00
184	0.00000000E+00	0.00000000E+00	4353.3780	-44791.608	30555.089	0.00000000E+00
183	0.00000000E+00	0.00000000E+00	-4197.2035	-32500.308	-26674.453	0.00000000E+00

ELEM= 65	FX	FY	FZ	MX	MY	MZ
168	0.00000000E+00	0.00000000E+00	3324.3209	37101.758	-27247.555	0.00000000E+00
169	0.00000000E+00	0.00000000E+00	-3994.6042	47726.476	29322.622	0.00000000E+00
185	0.00000000E+00	0.00000000E+00	4010.2394	-52735.231	32857.097	0.00000000E+00
184	0.00000000E+00	0.00000000E+00	-3756.4576	-41518.467	-30543.999	0.00000000E+00

ELEM= 66	FX	FY	FZ	MX	MY	MZ
169	0.00000000E+00	0.00000000E+00	3013.2572	44111.109	-29434.506	0.00000000E+00
170	0.00000000E+00	0.00000000E+00	-3773.9885	53722.185	30386.555	0.00000000E+00
186	0.00000000E+00	0.00000000E+00	3669.1556	-59625.643	33861.638	0.00000000E+00
185	0.00000000E+00	0.00000000E+00	-3324.9256	-49478.256	-32786.699	0.00000000E+00

ELEM= 67	FX	FY	FZ	MX	MY	MZ
170	0.00000000E+00	0.00000000E+00	2707.2467	50206.599	-30557.952	0.00000000E+00
171	0.00000000E+00	0.00000000E+00	-3549.9040	58875.580	30596.635	0.00000000E+00
187	0.00000000E+00	0.00000000E+00	3346.8732	-65584.865	33807.521	0.00000000E+00
186	0.00000000E+00	0.00000000E+00	-2920.7173	-56439.209	-33743.893	0.00000000E+00

ELEM= 68	FX	FY	FZ	MX	MY	MZ
171	0.00000000E+00	0.00000000E+00	2429.1053	55474.486	-30814.516	0.00000000E+00
172	0.00000000E+00	0.00000000E+00	-3344.8060	63313.332	30067.371	0.00000000E+00
188	0.00000000E+00	0.00000000E+00	3057.2686	-70738.353	32845.171	0.00000000E+00
187	0.00000000E+00	0.00000000E+00	-2558.0692	-62481.446	-33652.046	0.00000000E+00

ELEM= 69	FX	FY	FZ	MX	MY	MZ
172	0.00000000E+00	0.00000000E+00	2197.6439	60004.503	-30324.919	0.00000000E+00
173	0.00000000E+00	0.00000000E+00	-3177.8660	67158.302	28850.626	0.00000000E+00
189	0.00000000E+00	0.00000000E+00	2812.2209	-75214.379	31047.120	0.00000000E+00
188	0.00000000E+00	0.00000000E+00	-2248.5002	-67696.642	-32657.758	0.00000000E+00

ELEM= 70	FX	FY	FZ	MX	MY	MZ
173	0.00000000E+00	0.00000000E+00	2029.5287	63887.426	-29146.706	0.00000000E+00
174	0.00000000E+00	0.00000000E+00	-3066.6195	70533.181	26942.097	0.00000000E+00
190	0.00000000E+00	0.00000000E+00	2622.6982	-79145.634	28415.122	0.00000000E+00
189	0.00000000E+00	0.00000000E+00	-2002.1088	-72183.311	-30829.657	0.00000000E+00

ELEM= 71	FX	FY	FZ	MX	MY	MZ
174	0.00000000E+00	0.00000000E+00	1940.9543	67215.188	-27280.346	0.00000000E+00
175	0.00000000E+00	0.00000000E+00	-3028.4846	73565.312	24282.199	0.00000000E+00
191	0.00000000E+00	0.00000000E+00	2499.7897	-82672.756	24883.711	0.00000000E+00
190	0.00000000E+00	0.00000000E+00	-1828.7607	-76045.048	-28166.271	0.00000000E+00

ELEM= 72	FX	FY	FZ	MX	MY	MZ
175	0.00000000E+00	0.00000000E+00	1948.9708	70082.914	-24669.556	0.00000000E+00
176	0.00000000E+00	0.00000000E+00	-3081.8365	76394.289	20751.714	0.00000000E+00
192	0.00000000E+00	0.00000000E+00	2455.3567	-85948.526	20320.792	0.00000000E+00
191	0.00000000E+00	0.00000000E+00	-1738.9923	-79390.825	-24600.241	0.00000000E+00

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ELEM=	73 FX	FY	FZ	MX	MY	MZ
176	0.00000000E+00	0.00000000E+00	2072.2065	72592.867	-21196.218	0.00000000E+00
177	0.00000000E+00	0.00000000E+00	-3247.1432	79173.167	16161.929	0.00000000E+00
193	0.00000000E+00	0.00000000E+00	2502.8193	-89148.274	14526.865	0.00000000E+00
192	0.00000000E+00	0.00000000E+00	-1744.3838	-82338.156	-19999.613	0.00000000E+00
ELEM=	74 FX	FY	FZ	MX	MY	MZ
177	0.00000000E+00	0.00000000E+00	2330.5094	74865.758	-16665.419	0.00000000E+00
178	0.00000000E+00	0.00000000E+00	-3541.1762	82126.084	10249.968	0.00000000E+00
194	0.00000000E+00	0.00000000E+00	2651.8879	-92431.267	7235.3906	0.00000000E+00
193	0.00000000E+00	0.00000000E+00	-1857.7224	-85009.865	-14168.278	0.00000000E+00
ELEM=	75 FX	FY	FZ	MX	MY	MZ
178	0.00000000E+00	0.00000000E+00	2741.7293	77018.256	-10816.168	0.00000000E+00
179	0.00000000E+00	0.00000000E+00	-4012.4208	85159.931	2648.3505	0.00000000E+00
195	0.00000000E+00	0.00000000E+00	2942.8877	-96257.031	-1874.2987	0.00000000E+00
194	0.00000000E+00	0.00000000E+00	-2088.6975	-87594.951	-6839.0189	0.00000000E+00
ELEM=	76 FX	FY	FZ	MX	MY	MZ
180	0.00000000E+00	0.00000000E+00	2445.8867	-1125.7812	97.900271	0.00000000E+00
181	0.00000000E+00	0.00000000E+00	-2677.8921	13810.261	12035.812	0.00000000E+00
197	0.00000000E+00	0.00000000E+00	3731.4578	-14344.691	12654.961	0.00000000E+00
196	0.00000000E+00	0.00000000E+00	-3915.9536	1175.6142	-57.074295	0.00000000E+00
ELEM=	77 FX	FY	FZ	MX	MY	MZ
181	0.00000000E+00	0.00000000E+00	2501.2131	10966.117	-11854.761	0.00000000E+00
182	0.00000000E+00	0.00000000E+00	-2810.8990	25557.335	20659.773	0.00000000E+00
198	0.00000000E+00	0.00000000E+00	3521.9251	-26797.926	21974.509	0.00000000E+00
197	0.00000000E+00	0.00000000E+00	-3628.7405	-11794.806	-12761.695	0.00000000E+00
ELEM=	78 FX	FY	FZ	MX	MY	MZ
182	0.00000000E+00	0.00000000E+00	2471.2285	22134.960	-20530.316	0.00000000E+00
183	0.00000000E+00	0.00000000E+00	-2846.3667	35970.784	26675.710	0.00000000E+00
199	0.00000000E+00	0.00000000E+00	3282.4355	-37887.543	28536.842	0.00000000E+00
198	0.00000000E+00	0.00000000E+00	-3323.7986	-23622.707	-22053.577	0.00000000E+00
ELEM=	79 FX	FY	FZ	MX	MY	MZ
183	0.00000000E+00	0.00000000E+00	2364.8236	32208.380	-26617.347	0.00000000E+00
184	0.00000000E+00	0.00000000E+00	-2806.0711	45104.915	30678.521	0.00000000E+00
200	0.00000000E+00	0.00000000E+00	3025.0821	-47687.525	32889.186	0.00000000E+00
199	0.00000000E+00	0.00000000E+00	-3000.3360	-34378.906	-28576.031	0.00000000E+00
ELEM=	80 FX	FY	FZ	MX	MY	MZ
184	0.00000000E+00	0.00000000E+00	2209.1507	41205.159	-30689.611	0.00000000E+00
185	0.00000000E+00	0.00000000E+00	-2713.8952	53058.318	33119.136	0.00000000E+00
201	0.00000000E+00	0.00000000E+00	2762.0509	-56276.746	35483.535	0.00000000E+00
200	0.00000000E+00	0.00000000E+00	-2673.8078	-44035.204	-32887.496	0.00000000E+00
ELEM=	81 FX	FY	FZ	MX	MY	MZ
185	0.00000000E+00	0.00000000E+00	2028.5813	49155.170	-33189.534	0.00000000E+00
186	0.00000000E+00	0.00000000E+00	-2592.9644	59947.854	34324.297	0.00000000E+00
202	0.00000000E+00	0.00000000E+00	2505.0403	-63758.660	36668.976	0.00000000E+00
201	0.00000000E+00	0.00000000E+00	-2357.1585	-52609.465	-35445.338	0.00000000E+00
ELEM=	82 FX	FY	FZ	MX	MY	MZ
186	0.00000000E+00	0.00000000E+00	1844.5261	56116.998	-34442.042	0.00000000E+00
187	0.00000000E+00	0.00000000E+00	-2463.6152	65899.627	34516.949	0.00000000E+00
203	0.00000000E+00	0.00000000E+00	2264.0875	-70250.430	36696.705	0.00000000E+00
202	0.00000000E+00	0.00000000E+00	-2061.4997	-60147.299	-36600.641	0.00000000E+00
ELEM=	83 FX	FY	FZ	MX	MY	MZ
187	0.00000000E+00	0.00000000E+00	1674.8112	62166.683	-34672.423	0.00000000E+00
188	0.00000000E+00	0.00000000E+00	-2343.1970	71043.389	33834.723	0.00000000E+00
204	0.00000000E+00	0.00000000E+00	2047.5273	-75878.621	35728.214	0.00000000E+00
203	0.00000000E+00	0.00000000E+00	-1795.6429	-66718.207	-36603.925	0.00000000E+00
ELEM=	84 FX	FY	FZ	MX	MY	MZ
188	0.00000000E+00	0.00000000E+00	1534.4286	67391.606	-34022.136	0.00000000E+00
189	0.00000000E+00	0.00000000E+00	-2246.7342	75511.143	32342.608	0.00000000E+00
205	0.00000000E+00	0.00000000E+00	1862.4380	-80776.915	33843.794	0.00000000E+00
204	0.00000000E+00	0.00000000E+00	-1566.6337	-72408.556	-35614.759	0.00000000E+00

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ELEM=	85	FX	FY	FZ	MX	MY	MZ
	189	0.00000000E+00	0.00000000E+00	1436.6221	71886.547	-32560.072	0.00000000E+00
	190	0.00000000E+00	0.00000000E+00	-2187.8967	79438.407	30040.244	0.00000000E+00
	206	0.00000000E+00	0.00000000E+00	1715.2722	-85086.100	31049.355	0.00000000E+00
	205	0.00000000E+00	0.00000000E+00	-1380.4989	-77316.542	-33711.256	0.00000000E+00

ELEM=	86	FX	FY	FZ	MX	MY	MZ
	190	0.00000000E+00	0.00000000E+00	1393.9592	75752.275	-30289.095	0.00000000E+00
	191	0.00000000E+00	0.00000000E+00	-2179.9450	82967.211	26864.645	0.00000000E+00
	207	0.00000000E+00	0.00000000E+00	1612.4574	-88955.861	27280.923	0.00000000E+00
	206	0.00000000E+00	0.00000000E+00	-1242.9730	-81549.422	-30897.516	0.00000000E+00

ELEM=	87	FX	FY	FZ	MX	MY	MZ
	191	0.00000000E+00	0.00000000E+00	1419.1477	79096.369	-27148.115	0.00000000E+00
	192	0.00000000E+00	0.00000000E+00	-2236.3489	86250.907	22689.279	0.00000000E+00
	208	0.00000000E+00	0.00000000E+00	1560.7406	-92547.086	22407.209	0.00000000E+00
	207	0.00000000E+00	0.00000000E+00	-1160.0407	-85222.782	-27108.582	0.00000000E+00

ELEM=	88	FX	FY	FZ	MX	MY	MZ
	192	0.00000000E+00	0.00000000E+00	1525.3759	82035.775	-23010.458	0.00000000E+00
	193	0.00000000E+00	0.00000000E+00	-2371.3412	89454.484	17320.418	0.00000000E+00
	209	0.00000000E+00	0.00000000E+00	1567.5929	-96037.390	16231.613	0.00000000E+00
	208	0.00000000E+00	0.00000000E+00	-1138.1289	-88462.248	-22213.327	0.00000000E+00

ELEM=	89	FX	FY	FZ	MX	MY	MZ
	193	0.00000000E+00	0.00000000E+00	1726.2444	84703.655	-17679.004	0.00000000E+00
	194	0.00000000E+00	0.00000000E+00	-2596.4247	92790.426	10496.421	0.00000000E+00
	210	0.00000000E+00	0.00000000E+00	1637.8897	-99596.747	8494.0857	0.00000000E+00
	209	0.00000000E+00	0.00000000E+00	-1184.2107	-91400.699	-16017.076	0.00000000E+00

ELEM=	90	FX	FY	FZ	MX	MY	MZ
	194	0.00000000E+00	0.00000000E+00	2033.2343	87235.792	-10892.793	0.00000000E+00
	195	0.00000000E+00	0.00000000E+00	-2942.8877	96257.031	1874.2987	0.00000000E+00
	211	0.00000000E+00	0.00000000E+00	1796.1558	-103580.80	-1116.7457	0.00000000E+00
	210	0.00000000E+00	0.00000000E+00	-1303.0038	-94220.636	-8258.9924	0.00000000E+00

ELEM=	91	FX	FY	FZ	MX	MY	MZ
	196	0.00000000E+00	0.00000000E+00	847.33832	-1175.6142	57.074295	0.00000000E+00
	197	0.00000000E+00	0.00000000E+00	-1067.1852	14495.483	12728.341	0.00000000E+00
	213	0.00000000E+00	0.00000000E+00	2175.1353	-14756.062	13030.880	0.00000000E+00
	212	0.00000000E+00	0.00000000E+00	-2371.7898	1199.6316	-18.760417	0.00000000E+00

ELEM=	92	FX	FY	FZ	MX	MY	MZ
	197	0.00000000E+00	0.00000000E+00	964.46791	11644.014	-12621.607	0.00000000E+00
	198	0.00000000E+00	0.00000000E+00	-1222.1622	26945.170	22014.539	0.00000000E+00
	214	0.00000000E+00	0.00000000E+00	1982.6072	-27549.932	22659.641	0.00000000E+00
	213	0.00000000E+00	0.00000000E+00	-2141.4143	-12047.902	-13066.138	0.00000000E+00

ELEM=	93	FX	FY	FZ	MX	MY	MZ
	198	0.00000000E+00	0.00000000E+00	1024.0357	23475.464	-21935.472	0.00000000E+00
	199	0.00000000E+00	0.00000000E+00	-1313.6571	38055.063	28566.206	0.00000000E+00
	215	0.00000000E+00	0.00000000E+00	1790.5896	-38989.823	29485.025	0.00000000E+00
	214	0.00000000E+00	0.00000000E+00	-1917.4695	-24200.667	-22686.169	0.00000000E+00

ELEM=	94	FX	FY	FZ	MX	MY	MZ
	199	0.00000000E+00	0.00000000E+00	1031.5576	34211.386	-28527.017	0.00000000E+00
	200	0.00000000E+00	0.00000000E+00	-1353.5241	47869.337	32950.371	0.00000000E+00
	216	0.00000000E+00	0.00000000E+00	1603.1264	-49130.384	34049.273	0.00000000E+00
	215	0.00000000E+00	0.00000000E+00	-1697.6613	-35270.141	-29498.708	0.00000000E+00

ELEM=	95	FX	FY	FZ	MX	MY	MZ
	200	0.00000000E+00	0.00000000E+00	1002.2497	43853.393	-32952.062	0.00000000E+00
	201	0.00000000E+00	0.00000000E+00	-1355.4684	56466.911	35620.707	0.00000000E+00
	217	0.00000000E+00	0.00000000E+00	1423.8843	-58041.593	36803.519	0.00000000E+00
	216	0.00000000E+00	0.00000000E+00	-1487.1669	-45236.060	-34049.500	0.00000000E+00

ELEM=	96	FX	FY	FZ	MX	MY	MZ
	201	0.00000000E+00	0.00000000E+00	950.57608	52419.300	-35658.904	0.00000000E+00
	202	0.00000000E+00	0.00000000E+00	-1333.3664	63950.883	36920.883	0.00000000E+00
	218	0.00000000E+00	0.00000000E+00	1256.2601	-65819.989	38099.918	0.00000000E+00
	217	0.00000000E+00	0.00000000E+00	-1289.9711	-54110.804	-36791.468	0.00000000E+00

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ELEM=	97	FX	FY	FZ	MX	MY	MZ
	202	0.00000000E+00	0.00000000E+00	889.82586	59955.076	-36989.218	0.00000000E+00
	203	0.00000000E+00	0.00000000E+00	-1299.9444	70440.309	37093.646	0.00000000E+00
	219	0.00000000E+00	0.00000000E+00	1102.9612	-72579.750	38193.972	0.00000000E+00
	218	0.00000000E+00	0.00000000E+00	-1109.3439	-61933.740	-38077.558	0.00000000E+00
ELEM=	98	FX	FY	FZ	MX	MY	MZ
	203	0.00000000E+00	0.00000000E+00	831.49986	66528.328	-37186.426	0.00000000E+00
	204	0.00000000E+00	0.00000000E+00	-1266.4072	76064.173	36292.854	0.00000000E+00
	220	0.00000000E+00	0.00000000E+00	966.03801	-78447.650	37251.216	0.00000000E+00
	219	0.00000000E+00	0.00000000E+00	-947.63202	-68768.647	-38163.167	0.00000000E+00
ELEM=	99	FX	FY	FZ	MX	MY	MZ
	204	0.00000000E+00	0.00000000E+00	785.51353	72223.004	-36406.309	0.00000000E+00
	205	0.00000000E+00	0.00000000E+00	-1242.6262	80958.414	34593.810	0.00000000E+00
	221	0.00000000E+00	0.00000000E+00	847.09066	-83559.882	35354.979	0.00000000E+00
	220	0.00000000E+00	0.00000000E+00	-806.47933	-74698.320	-37213.264	0.00000000E+00
ELEM=	100	FX	FY	FZ	MX	MY	MZ
	205	0.00000000E+00	0.00000000E+00	760.68711	77135.043	-34726.348	0.00000000E+00
	206	0.00000000E+00	0.00000000E+00	-1237.5846	85265.517	32000.511	0.00000000E+00
	222	0.00000000E+00	0.00000000E+00	747.53600	-88061.099	32513.083	0.00000000E+00
	221	0.00000000E+00	0.00000000E+00	-687.13984	-79819.857	-35310.486	0.00000000E+00
ELEM=	101	FX	FY	FZ	MX	MY	MZ
	206	0.00000000E+00	0.00000000E+00	765.28538	81370.005	-32152.350	0.00000000E+00
	207	0.00000000E+00	0.00000000E+00	-1259.8511	89135.922	28449.719	0.00000000E+00
	223	0.00000000E+00	0.00000000E+00	668.84636	-92105.142	28662.732	0.00000000E+00
	222	0.00000000E+00	0.00000000E+00	-590.78201	-84241.611	-32462.080	0.00000000E+00
ELEM=	102	FX	FY	FZ	MX	MY	MZ
	207	0.00000000E+00	0.00000000E+00	807.43436	85042.721	-28622.060	0.00000000E+00
	208	0.00000000E+00	0.00000000E+00	-1317.8889	92730.726	23812.526	0.00000000E+00
	224	0.00000000E+00	0.00000000E+00	612.66573	-95856.419	23673.815	0.00000000E+00
	223	0.00000000E+00	0.00000000E+00	-518.71254	-88081.986	-28604.943	0.00000000E+00
ELEM=	103	FX	FY	FZ	MX	MY	MZ
	208	0.00000000E+00	0.00000000E+00	895.27723	88278.608	-24006.408	0.00000000E+00
	209	0.00000000E+00	0.00000000E+00	-1420.3183	96221.599	17894.566	0.00000000E+00
	225	0.00000000E+00	0.00000000E+00	580.98624	-99492.454	17351.669	0.00000000E+00
	224	0.00000000E+00	0.00000000E+00	-472.44654	-91470.277	-23609.021	0.00000000E+00
ELEM=	104	FX	FY	FZ	MX	MY	MZ
	209	0.00000000E+00	0.00000000E+00	1036.9360	91216.491	-18109.104	0.00000000E+00
	210	0.00000000E+00	0.00000000E+00	-1574.1863	99810.041	10437.836	0.00000000E+00
	226	0.00000000E+00	0.00000000E+00	574.53743	-103193.34	9440.1379	0.00000000E+00
	225	0.00000000E+00	0.00000000E+00	-453.78850	-94544.786	-17280.275	0.00000000E+00
ELEM=	105	FX	FY	FZ	MX	MY	MZ
	210	0.00000000E+00	0.00000000E+00	1239.3004	94007.342	-10672.929	0.00000000E+00
	211	0.00000000E+00	0.00000000E+00	-1796.1558	103580.80	1116.7457	0.00000000E+00
	227	0.00000000E+00	0.00000000E+00	603.75923	-107220.40	-370.88461	0.00000000E+00
	226	0.00000000E+00	0.00000000E+00	-463.40507	-97479.288	-9362.1925	0.00000000E+00
ELEM=	106	FX	FY	FZ	MX	MY	MZ
	212	0.00000000E+00	0.00000000E+00	-771.14910	-1199.6316	18.760417	0.00000000E+00
	213	0.00000000E+00	0.00000000E+00	562.89844	14805.312	13054.905	0.00000000E+00
	229	0.00000000E+00	0.00000000E+00	562.89844	-14805.312	13054.905	0.00000000E+00
	228	0.00000000E+00	0.00000000E+00	-771.14910	1199.6316	18.760417	0.00000000E+00
ELEM=	107	FX	FY	FZ	MX	MY	MZ
	213	0.00000000E+00	0.00000000E+00	-596.61941	11998.652	-13019.647	0.00000000E+00
	214	0.00000000E+00	0.00000000E+00	388.36875	27597.897	22672.531	0.00000000E+00
	230	0.00000000E+00	0.00000000E+00	388.36875	-27597.897	22672.531	0.00000000E+00
	229	0.00000000E+00	0.00000000E+00	-596.61941	-11998.652	-13019.647	0.00000000E+00
ELEM=	108	FX	FY	FZ	MX	MY	MZ
	214	0.00000000E+00	0.00000000E+00	-453.50644	24152.702	-22646.004	0.00000000E+00
	215	0.00000000E+00	0.00000000E+00	245.25577	39044.450	29493.874	0.00000000E+00
	231	0.00000000E+00	0.00000000E+00	245.25577	-39044.450	29493.874	0.00000000E+00
	230	0.00000000E+00	0.00000000E+00	-453.50644	-24152.702	-22646.004	0.00000000E+00

ELEM= 109	FX	FY	FZ	MX	MY	MZ
215	0.00000000E+00	0.00000000E+00	-338.18414	35215.514	-29480.190	0.00000000E+00
216	0.00000000E+00	0.00000000E+00	129.93347	49189.955	34067.743	0.00000000E+00
232	0.00000000E+00	0.00000000E+00	129.93347	-49189.955	34067.743	0.00000000E+00
231	0.00000000E+00	0.00000000E+00	-338.18414	-35215.514	-29480.190	0.00000000E+00

ELEM= 110	FX	FY	FZ	MX	MY	MZ
216	0.00000000E+00	0.00000000E+00	-245.89299	45176.489	-34067.516	0.00000000E+00
217	0.00000000E+00	0.00000000E+00	37.642328	58104.315	36846.162	0.00000000E+00
233	0.00000000E+00	0.00000000E+00	37.642328	-58104.315	36846.162	0.00000000E+00
232	0.00000000E+00	0.00000000E+00	-245.89299	-45176.489	-34067.516	0.00000000E+00

ELEM= 111	FX	FY	FZ	MX	MY	MZ
217	0.00000000E+00	0.00000000E+00	-171.55552	54048.081	-36858.213	0.00000000E+00
218	0.00000000E+00	0.00000000E+00	-36.695151	65883.814	38179.844	0.00000000E+00
234	0.00000000E+00	0.00000000E+00	-36.695151	-65883.814	38179.844	0.00000000E+00
233	0.00000000E+00	0.00000000E+00	-171.55552	-54048.081	-36858.213	0.00000000E+00

ELEM= 112	FX	FY	FZ	MX	MY	MZ
218	0.00000000E+00	0.00000000E+00	-110.22102	61869.915	-38202.204	0.00000000E+00
219	0.00000000E+00	0.00000000E+00	-98.029645	72643.155	38321.679	0.00000000E+00
235	0.00000000E+00	0.00000000E+00	-98.029645	-72643.155	38321.679	0.00000000E+00
234	0.00000000E+00	0.00000000E+00	-110.22102	-61869.915	-38202.204	0.00000000E+00

ELEM= 113	FX	FY	FZ	MX	MY	MZ
219	0.00000000E+00	0.00000000E+00	-57.299518	68705.242	-38352.484	0.00000000E+00
220	0.00000000E+00	0.00000000E+00	-150.95115	78509.879	37434.698	0.00000000E+00
236	0.00000000E+00	0.00000000E+00	-150.95115	-78509.879	37434.698	0.00000000E+00
235	0.00000000E+00	0.00000000E+00	-57.299518	-68705.242	-38352.484	0.00000000E+00

ELEM= 114	FX	FY	FZ	MX	MY	MZ
220	0.00000000E+00	0.00000000E+00	-8.6075267	74636.091	-37472.651	0.00000000E+00
221	0.00000000E+00	0.00000000E+00	-199.64314	83620.922	35600.502	0.00000000E+00
237	0.00000000E+00	0.00000000E+00	-199.64314	-83620.922	35600.502	0.00000000E+00
236	0.00000000E+00	0.00000000E+00	-8.6075267	-74636.091	-37472.651	0.00000000E+00

ELEM= 115	FX	FY	FZ	MX	MY	MZ
221	0.00000000E+00	0.00000000E+00	39.692320	79758.816	-35644.994	0.00000000E+00
222	0.00000000E+00	0.00000000E+00	-247.94299	88121.500	32826.168	0.00000000E+00
238	0.00000000E+00	0.00000000E+00	-247.94299	-88121.500	32826.168	0.00000000E+00
237	0.00000000E+00	0.00000000E+00	39.692320	-79758.816	-35644.994	0.00000000E+00

ELEM= 116	FX	FY	FZ	MX	MY	MZ
222	0.00000000E+00	0.00000000E+00	91.189002	84181.210	-32877.172	0.00000000E+00
223	0.00000000E+00	0.00000000E+00	-299.43967	92165.693	29049.011	0.00000000E+00
239	0.00000000E+00	0.00000000E+00	-299.43967	-92165.693	29049.011	0.00000000E+00
238	0.00000000E+00	0.00000000E+00	91.189002	-84181.210	-32877.172	0.00000000E+00

ELEM= 117	FX	FY	FZ	MX	MY	MZ
223	0.00000000E+00	0.00000000E+00	149.30585	88021.436	-29106.800	0.00000000E+00
224	0.00000000E+00	0.00000000E+00	-357.55652	95917.975	24139.549	0.00000000E+00
240	0.00000000E+00	0.00000000E+00	-357.55652	-95917.975	24139.549	0.00000000E+00
239	0.00000000E+00	0.00000000E+00	149.30585	-88021.436	-29106.800	0.00000000E+00

ELEM= 118	FX	FY	FZ	MX	MY	MZ
224	0.00000000E+00	0.00000000E+00	217.33733	91408.720	-24204.343	0.00000000E+00
225	0.00000000E+00	0.00000000E+00	-425.58799	99553.917	17903.675	0.00000000E+00
241	0.00000000E+00	0.00000000E+00	-425.58799	-99553.917	17903.675	0.00000000E+00
240	0.00000000E+00	0.00000000E+00	217.33733	-91408.720	-24204.343	0.00000000E+00

ELEM= 119	FX	FY	FZ	MX	MY	MZ
225	0.00000000E+00	0.00000000E+00	298.39026	94483.322	-17975.069	0.00000000E+00
226	0.00000000E+00	0.00000000E+00	-506.64092	103264.11	10085.764	0.00000000E+00
242	0.00000000E+00	0.00000000E+00	-506.64092	-103264.11	10085.764	0.00000000E+00
241	0.00000000E+00	0.00000000E+00	298.39026	-94483.322	-17975.069	0.00000000E+00

ELEM= 120	FX	FY	FZ	MX	MY	MZ
226	0.00000000E+00	0.00000000E+00	395.50856	97408.515	-10163.709	0.00000000E+00
227	0.00000000E+00	0.00000000E+00	-603.75923	107220.40	370.88461	0.00000000E+00
243	0.00000000E+00	0.00000000E+00	-603.75923	-107220.40	370.88461	0.00000000E+00
242	0.00000000E+00	0.00000000E+00	395.50856	-97408.515	-10163.709	0.00000000E+00

ELEM= 121	FX	FY	FZ	MX	MY	MZ
228	0.00000000E+00	0.00000000E+00	-2371.7898	-1199.6316	-18.760417	0.00000000E+00
229	0.00000000E+00	0.00000000E+00	2175.1353	14756.062	13030.880	0.00000000E+00
245	0.00000000E+00	0.00000000E+00	-1067.1852	-14495.483	12728.341	0.00000000E+00
244	0.00000000E+00	0.00000000E+00	847.33832	1175.6142	57.074295	0.00000000E+00

ELEM= 122	FX	FY	FZ	MX	MY	MZ
229	0.00000000E+00	0.00000000E+00	-2141.4143	12047.902	-13066.138	0.00000000E+00
230	0.00000000E+00	0.00000000E+00	1982.6072	27549.932	22659.641	0.00000000E+00
246	0.00000000E+00	0.00000000E+00	-1222.1622	-26945.170	22014.539	0.00000000E+00
245	0.00000000E+00	0.00000000E+00	964.46791	-11644.014	-12621.607	0.00000000E+00

ELEM= 123	FX	FY	FZ	MX	MY	MZ
230	0.00000000E+00	0.00000000E+00	-1917.4695	24200.667	-22686.169	0.00000000E+00
231	0.00000000E+00	0.00000000E+00	1790.5896	38989.823	29485.025	0.00000000E+00
247	0.00000000E+00	0.00000000E+00	-1313.6571	-38055.063	28566.206	0.00000000E+00
246	0.00000000E+00	0.00000000E+00	1024.0357	-23475.464	-21935.472	0.00000000E+00

ELEM= 124	FX	FY	FZ	MX	MY	MZ
231	0.00000000E+00	0.00000000E+00	-1697.6613	35270.141	-29498.708	0.00000000E+00
232	0.00000000E+00	0.00000000E+00	1603.1264	49130.384	34049.273	0.00000000E+00
248	0.00000000E+00	0.00000000E+00	-1353.5241	-47869.337	32950.371	0.00000000E+00
247	0.00000000E+00	0.00000000E+00	1031.5576	-34211.386	-28527.017	0.00000000E+00

ELEM= 125	FX	FY	FZ	MX	MY	MZ
232	0.00000000E+00	0.00000000E+00	-1487.1669	45236.060	-34049.500	0.00000000E+00
233	0.00000000E+00	0.00000000E+00	1423.8843	58041.593	36803.519	0.00000000E+00
249	0.00000000E+00	0.00000000E+00	-1355.4684	-56466.911	35620.707	0.00000000E+00
248	0.00000000E+00	0.00000000E+00	1002.2497	-43853.393	-32952.062	0.00000000E+00

ELEM= 126	FX	FY	FZ	MX	MY	MZ
233	0.00000000E+00	0.00000000E+00	-1289.9711	54110.804	-36791.468	0.00000000E+00
234	0.00000000E+00	0.00000000E+00	1256.2601	65819.989	38099.918	0.00000000E+00
250	0.00000000E+00	0.00000000E+00	-1333.3664	-63950.883	36920.883	0.00000000E+00
249	0.00000000E+00	0.00000000E+00	950.57608	-52419.300	-35658.904	0.00000000E+00

ELEM= 127	FX	FY	FZ	MX	MY	MZ
234	0.00000000E+00	0.00000000E+00	-1109.3439	61933.740	-38077.558	0.00000000E+00
235	0.00000000E+00	0.00000000E+00	1102.9612	72579.750	38193.972	0.00000000E+00
251	0.00000000E+00	0.00000000E+00	-1299.9444	-70440.309	37093.646	0.00000000E+00
250	0.00000000E+00	0.00000000E+00	889.82586	-59955.076	-36989.218	0.00000000E+00

ELEM= 128	FX	FY	FZ	MX	MY	MZ
235	0.00000000E+00	0.00000000E+00	-947.63202	68768.647	-38163.167	0.00000000E+00
236	0.00000000E+00	0.00000000E+00	966.03801	78447.650	37251.216	0.00000000E+00
252	0.00000000E+00	0.00000000E+00	-1266.4072	-76064.173	36292.854	0.00000000E+00
251	0.00000000E+00	0.00000000E+00	831.49986	-66528.328	-37186.426	0.00000000E+00

ELEM= 129	FX	FY	FZ	MX	MY	MZ
236	0.00000000E+00	0.00000000E+00	-806.47933	74698.320	-37213.264	0.00000000E+00
237	0.00000000E+00	0.00000000E+00	847.09066	83559.882	35354.979	0.00000000E+00
253	0.00000000E+00	0.00000000E+00	-1242.6262	-80958.414	34593.810	0.00000000E+00
252	0.00000000E+00	0.00000000E+00	785.51353	-72223.004	-36406.309	0.00000000E+00

ELEM= 130	FX	FY	FZ	MX	MY	MZ
237	0.00000000E+00	0.00000000E+00	-687.13984	79819.857	-35310.486	0.00000000E+00
238	0.00000000E+00	0.00000000E+00	747.53600	88061.099	32513.083	0.00000000E+00
254	0.00000000E+00	0.00000000E+00	-1237.5846	-85265.517	32000.511	0.00000000E+00
253	0.00000000E+00	0.00000000E+00	760.68711	-77135.043	-34726.348	0.00000000E+00

ELEM= 131	FX	FY	FZ	MX	MY	MZ
238	0.00000000E+00	0.00000000E+00	-590.78201	84241.611	-32462.080	0.00000000E+00
239	0.00000000E+00	0.00000000E+00	668.84636	92105.142	28662.732	0.00000000E+00
255	0.00000000E+00	0.00000000E+00	-1259.8511	-89135.922	28449.719	0.00000000E+00
254	0.00000000E+00	0.00000000E+00	765.28538	-81370.005	-32152.350	0.00000000E+00

ELEM= 132	FX	FY	FZ	MX	MY	MZ
239	0.00000000E+00	0.00000000E+00	-518.71254	88081.986	-28604.943	0.00000000E+00
240	0.00000000E+00	0.00000000E+00	612.66573	95856.419	23673.815	0.00000000E+00
256	0.00000000E+00	0.00000000E+00	-1317.8889	-92730.726	23812.526	0.00000000E+00
255	0.00000000E+00	0.00000000E+00	807.43436	-85042.721	-28622.060	0.00000000E+00

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ELEM= 133	FX	FY	FZ	MX	MY	MZ
240	0.00000000E+00	0.00000000E+00	-472.44654	91470.277	-23609.021	0.00000000E+00
241	0.00000000E+00	0.00000000E+00	580.98624	99492.454	17351.669	0.00000000E+00
257	0.00000000E+00	0.00000000E+00	-1420.3183	-96221.599	17894.566	0.00000000E+00
256	0.00000000E+00	0.00000000E+00	895.27723	-88278.608	-24006.408	0.00000000E+00

ELEM= 134	FX	FY	FZ	MX	MY	MZ
241	0.00000000E+00	0.00000000E+00	-453.78850	94544.786	-17280.275	0.00000000E+00
242	0.00000000E+00	0.00000000E+00	574.53743	103193.34	9440.1379	0.00000000E+00
258	0.00000000E+00	0.00000000E+00	-1574.1863	-99810.041	10437.836	0.00000000E+00
257	0.00000000E+00	0.00000000E+00	1036.9360	-91216.491	-18109.104	0.00000000E+00

ELEM= 135	FX	FY	FZ	MX	MY	MZ
242	0.00000000E+00	0.00000000E+00	-463.40507	97479.288	-9362.1925	0.00000000E+00
243	0.00000000E+00	0.00000000E+00	603.75923	107220.40	-370.88461	0.00000000E+00
259	0.00000000E+00	0.00000000E+00	-1796.1558	-103580.80	1116.7457	0.00000000E+00
258	0.00000000E+00	0.00000000E+00	1239.3004	-94007.342	-10672.929	0.00000000E+00

ELEM= 136	FX	FY	FZ	MX	MY	MZ
244	0.00000000E+00	0.00000000E+00	-3915.9536	-1175.6142	-57.074295	0.00000000E+00
245	0.00000000E+00	0.00000000E+00	3731.4578	14344.691	12654.961	0.00000000E+00
261	0.00000000E+00	0.00000000E+00	-2677.8921	-13810.261	12035.812	0.00000000E+00
260	0.00000000E+00	0.00000000E+00	2445.8867	1125.7812	97.900271	0.00000000E+00

ELEM= 137	FX	FY	FZ	MX	MY	MZ
245	0.00000000E+00	0.00000000E+00	-3628.7405	11794.806	-12761.695	0.00000000E+00
246	0.00000000E+00	0.00000000E+00	3521.9251	26797.926	21974.509	0.00000000E+00
262	0.00000000E+00	0.00000000E+00	-2810.8990	-25557.335	20659.773	0.00000000E+00
261	0.00000000E+00	0.00000000E+00	2501.2131	-10966.117	-11854.761	0.00000000E+00

ELEM= 138	FX	FY	FZ	MX	MY	MZ
246	0.00000000E+00	0.00000000E+00	-3323.7986	23622.707	-22053.577	0.00000000E+00
247	0.00000000E+00	0.00000000E+00	3282.4355	37887.543	28536.842	0.00000000E+00
263	0.00000000E+00	0.00000000E+00	-2846.3667	-35970.784	26675.710	0.00000000E+00
262	0.00000000E+00	0.00000000E+00	2471.2285	-22134.960	-20530.316	0.00000000E+00

ELEM= 139	FX	FY	FZ	MX	MY	MZ
247	0.00000000E+00	0.00000000E+00	-3000.3360	34378.906	-28576.031	0.00000000E+00
248	0.00000000E+00	0.00000000E+00	3025.0821	47687.525	32889.186	0.00000000E+00
264	0.00000000E+00	0.00000000E+00	-2806.0711	-45104.915	30678.521	0.00000000E+00
263	0.00000000E+00	0.00000000E+00	2364.8236	-32208.380	-26617.347	0.00000000E+00

ELEM= 140	FX	FY	FZ	MX	MY	MZ
248	0.00000000E+00	0.00000000E+00	-2673.8078	44035.204	-32887.496	0.00000000E+00
249	0.00000000E+00	0.00000000E+00	2762.0509	56276.746	35483.535	0.00000000E+00
265	0.00000000E+00	0.00000000E+00	-2713.8952	-53058.318	33119.136	0.00000000E+00
264	0.00000000E+00	0.00000000E+00	2209.1507	-41205.159	-30689.611	0.00000000E+00

ELEM= 141	FX	FY	FZ	MX	MY	MZ
249	0.00000000E+00	0.00000000E+00	-2357.1585	52609.465	-35445.338	0.00000000E+00
250	0.00000000E+00	0.00000000E+00	2505.0403	63758.660	36668.976	0.00000000E+00
266	0.00000000E+00	0.00000000E+00	-2592.9644	-59947.854	34324.297	0.00000000E+00
265	0.00000000E+00	0.00000000E+00	2028.5813	-49155.170	-33189.534	0.00000000E+00

ELEM= 142	FX	FY	FZ	MX	MY	MZ
250	0.00000000E+00	0.00000000E+00	-2061.4997	60147.299	-36600.641	0.00000000E+00
251	0.00000000E+00	0.00000000E+00	2264.0875	70250.430	36696.705	0.00000000E+00
267	0.00000000E+00	0.00000000E+00	-2463.6152	-65899.627	34516.949	0.00000000E+00
266	0.00000000E+00	0.00000000E+00	1844.5261	-56116.998	-34442.042	0.00000000E+00

ELEM= 143	FX	FY	FZ	MX	MY	MZ
251	0.00000000E+00	0.00000000E+00	-1795.6429	66718.207	-36603.925	0.00000000E+00
252	0.00000000E+00	0.00000000E+00	2047.5273	75878.621	35728.214	0.00000000E+00
268	0.00000000E+00	0.00000000E+00	-2343.1970	-71043.389	33834.723	0.00000000E+00
267	0.00000000E+00	0.00000000E+00	1674.8112	-62166.683	-34672.423	0.00000000E+00

ELEM= 144	FX	FY	FZ	MX	MY	MZ
252	0.00000000E+00	0.00000000E+00	-1566.6337	72408.556	-35614.759	0.00000000E+00
253	0.00000000E+00	0.00000000E+00	1862.4380	80776.915	33843.794	0.00000000E+00
269	0.00000000E+00	0.00000000E+00	-2246.7342	-75511.143	32342.608	0.00000000E+00
268	0.00000000E+00	0.00000000E+00	1534.4286	-67391.606	-34022.136	0.00000000E+00

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ELEM= 145	FX	FY	FZ	MX	MY	MZ
253	0.00000000E+00	0.00000000E+00	-1380.4989	77316.542	-33711.256	0.00000000E+00
254	0.00000000E+00	0.00000000E+00	1715.2722	85086.100	31049.355	0.00000000E+00
270	0.00000000E+00	0.00000000E+00	-2187.8967	-79438.407	30040.244	0.00000000E+00
269	0.00000000E+00	0.00000000E+00	1436.6221	-71886.547	-32560.072	0.00000000E+00

ELEM= 146	FX	FY	FZ	MX	MY	MZ
254	0.00000000E+00	0.00000000E+00	-1242.9730	81549.422	-30897.516	0.00000000E+00
255	0.00000000E+00	0.00000000E+00	1612.4574	88955.861	27280.923	0.00000000E+00
271	0.00000000E+00	0.00000000E+00	-2179.9450	-82967.211	26864.645	0.00000000E+00
270	0.00000000E+00	0.00000000E+00	1393.9592	-75752.275	-30289.095	0.00000000E+00

ELEM= 147	FX	FY	FZ	MX	MY	MZ
255	0.00000000E+00	0.00000000E+00	-1160.0407	85222.782	-27108.582	0.00000000E+00
256	0.00000000E+00	0.00000000E+00	1560.7406	92547.086	22407.209	0.00000000E+00
272	0.00000000E+00	0.00000000E+00	-2236.3489	-86250.907	22689.279	0.00000000E+00
271	0.00000000E+00	0.00000000E+00	1419.1477	-79096.369	-27148.115	0.00000000E+00

ELEM= 148	FX	FY	FZ	MX	MY	MZ
256	0.00000000E+00	0.00000000E+00	-1138.1289	88462.248	-22213.327	0.00000000E+00
257	0.00000000E+00	0.00000000E+00	1567.5929	96037.390	16231.613	0.00000000E+00
273	0.00000000E+00	0.00000000E+00	-2371.3412	-89454.484	17320.418	0.00000000E+00
272	0.00000000E+00	0.00000000E+00	1525.3759	-82035.775	-23010.458	0.00000000E+00

ELEM= 149	FX	FY	FZ	MX	MY	MZ
257	0.00000000E+00	0.00000000E+00	-1184.2107	91400.699	-16017.076	0.00000000E+00
258	0.00000000E+00	0.00000000E+00	1637.8897	99596.747	8494.0857	0.00000000E+00
274	0.00000000E+00	0.00000000E+00	-2596.4247	-92790.426	10496.421	0.00000000E+00
273	0.00000000E+00	0.00000000E+00	1726.2444	-84703.655	-17679.004	0.00000000E+00

ELEM= 150	FX	FY	FZ	MX	MY	MZ
258	0.00000000E+00	0.00000000E+00	-1303.0038	94220.636	-8258.9924	0.00000000E+00
259	0.00000000E+00	0.00000000E+00	1796.1558	103580.80	-1116.7457	0.00000000E+00
275	0.00000000E+00	0.00000000E+00	-2942.8877	-96257.031	1874.2987	0.00000000E+00
274	0.00000000E+00	0.00000000E+00	2033.2343	-87235.792	-10892.793	0.00000000E+00

ELEM= 151	FX	FY	FZ	MX	MY	MZ
260	0.00000000E+00	0.00000000E+00	-5361.9675	-1125.7812	-97.900271	0.00000000E+00
261	0.00000000E+00	0.00000000E+00	5190.8953	13547.971	11908.820	0.00000000E+00
277	0.00000000E+00	0.00000000E+00	-4230.9634	-12710.016	10941.993	0.00000000E+00
276	0.00000000E+00	0.00000000E+00	3985.5343	1046.2662	143.46557	0.00000000E+00

ELEM= 152	FX	FY	FZ	MX	MY	MZ
261	0.00000000E+00	0.00000000E+00	-5014.2162	11228.407	-12089.871	0.00000000E+00
262	0.00000000E+00	0.00000000E+00	4965.0756	25299.866	20587.972	0.00000000E+00
278	0.00000000E+00	0.00000000E+00	-4338.2537	-23354.212	18551.762	0.00000000E+00
277	0.00000000E+00	0.00000000E+00	3970.8930	-9928.2158	-10682.441	0.00000000E+00

ELEM= 153	FX	FY	FZ	MX	MY	MZ
262	0.00000000E+00	0.00000000E+00	-4625.4051	22392.429	-20717.429	0.00000000E+00
263	0.00000000E+00	0.00000000E+00	4678.7466	35678.856	26616.090	0.00000000E+00
279	0.00000000E+00	0.00000000E+00	-4311.0809	-32675.720	23767.470	0.00000000E+00
278	0.00000000E+00	0.00000000E+00	3841.2380	-20059.084	-18378.169	0.00000000E+00

ELEM= 154	FX	FY	FZ	MX	MY	MZ
263	0.00000000E+00	0.00000000E+00	-4197.2035	32500.308	-26674.453	0.00000000E+00
264	0.00000000E+00	0.00000000E+00	4353.3780	44791.608	30555.089	0.00000000E+00
280	0.00000000E+00	0.00000000E+00	-4184.5191	-40756.142	27213.798	0.00000000E+00
279	0.00000000E+00	0.00000000E+00	3611.8433	-29101.502	-23703.087	0.00000000E+00

ELEM= 155	FX	FY	FZ	MX	MY	MZ
264	0.00000000E+00	0.00000000E+00	-3756.4576	41518.467	-30543.999	0.00000000E+00
265	0.00000000E+00	0.00000000E+00	4010.2394	52735.231	32857.097	0.00000000E+00
281	0.00000000E+00	0.00000000E+00	-3994.6042	-47726.476	29322.622	0.00000000E+00
280	0.00000000E+00	0.00000000E+00	3324.3209	-37101.758	-27247.555	0.00000000E+00

ELEM= 156	FX	FY	FZ	MX	MY	MZ
265	0.00000000E+00	0.00000000E+00	-3324.9256	49478.256	-32786.699	0.00000000E+00
266	0.00000000E+00	0.00000000E+00	3669.1556	59625.643	33861.638	0.00000000E+00
282	0.00000000E+00	0.00000000E+00	-3773.9885	-53722.185	30386.555	0.00000000E+00
281	0.00000000E+00	0.00000000E+00	3013.2572	-44111.109	-29434.506	0.00000000E+00

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ELEM= 157	FX	FY	FZ	MX	MY	MZ
266	0.00000000E+00	0.00000000E+00	-2920.7173	56439.209	-33743.893	0.00000000E+00
267	0.00000000E+00	0.00000000E+00	3346.8732	65584.865	33807.521	0.00000000E+00
283	0.00000000E+00	0.00000000E+00	-3549.9040	-58875.580	30596.635	0.00000000E+00
282	0.00000000E+00	0.00000000E+00	2707.2467	-50206.599	-30557.952	0.00000000E+00

ELEM= 158	FX	FY	FZ	MX	MY	MZ
267	0.00000000E+00	0.00000000E+00	-2558.0692	62481.446	-33652.046	0.00000000E+00
268	0.00000000E+00	0.00000000E+00	3057.2686	70738.353	32845.171	0.00000000E+00
284	0.00000000E+00	0.00000000E+00	-3344.8060	-63313.332	30067.371	0.00000000E+00
283	0.00000000E+00	0.00000000E+00	2429.1053	-55474.486	-30814.516	0.00000000E+00

ELEM= 159	FX	FY	FZ	MX	MY	MZ
268	0.00000000E+00	0.00000000E+00	-2248.5002	67696.642	-32657.758	0.00000000E+00
269	0.00000000E+00	0.00000000E+00	2812.2209	75214.379	31047.120	0.00000000E+00
285	0.00000000E+00	0.00000000E+00	-3177.8660	-67158.302	28850.626	0.00000000E+00
284	0.00000000E+00	0.00000000E+00	2197.6439	-60004.503	-30324.919	0.00000000E+00

ELEM= 160	FX	FY	FZ	MX	MY	MZ
269	0.00000000E+00	0.00000000E+00	-2002.1088	72183.311	-30829.657	0.00000000E+00
270	0.00000000E+00	0.00000000E+00	2622.6982	79145.634	28415.122	0.00000000E+00
286	0.00000000E+00	0.00000000E+00	-3066.6195	-70533.181	26942.097	0.00000000E+00
285	0.00000000E+00	0.00000000E+00	2029.5287	-63887.426	-29146.706	0.00000000E+00

ELEM= 161	FX	FY	FZ	MX	MY	MZ
270	0.00000000E+00	0.00000000E+00	-1828.7607	76045.048	-28166.271	0.00000000E+00
271	0.00000000E+00	0.00000000E+00	2499.7897	82672.756	24883.711	0.00000000E+00
287	0.00000000E+00	0.00000000E+00	-3028.4846	-73565.312	24282.199	0.00000000E+00
286	0.00000000E+00	0.00000000E+00	1940.9543	-67215.188	-27280.346	0.00000000E+00

ELEM= 162	FX	FY	FZ	MX	MY	MZ
271	0.00000000E+00	0.00000000E+00	-1738.9923	79390.825	-24600.241	0.00000000E+00
272	0.00000000E+00	0.00000000E+00	2455.3567	85948.526	20320.792	0.00000000E+00
288	0.00000000E+00	0.00000000E+00	-3081.8365	-76394.289	20751.714	0.00000000E+00
287	0.00000000E+00	0.00000000E+00	1948.9708	-70082.914	-24669.556	0.00000000E+00

ELEM= 163	FX	FY	FZ	MX	MY	MZ
272	0.00000000E+00	0.00000000E+00	-1744.3838	82338.156	-19999.613	0.00000000E+00
273	0.00000000E+00	0.00000000E+00	2502.8193	89148.274	14526.865	0.00000000E+00
289	0.00000000E+00	0.00000000E+00	-3247.1432	-79173.167	16161.929	0.00000000E+00
288	0.00000000E+00	0.00000000E+00	2072.2065	-72592.367	-21196.218	0.00000000E+00

ELEM= 164	FX	FY	FZ	MX	MY	MZ
273	0.00000000E+00	0.00000000E+00	-1857.7224	85009.865	-14168.278	0.00000000E+00
274	0.00000000E+00	0.00000000E+00	2651.8879	92431.267	7235.3906	0.00000000E+00
290	0.00000000E+00	0.00000000E+00	-3541.1762	-82126.084	10249.968	0.00000000E+00
289	0.00000000E+00	0.00000000E+00	2330.5094	-74865.758	-16665.419	0.00000000E+00

ELEM= 165	FX	FY	FZ	MX	MY	MZ
274	0.00000000E+00	0.00000000E+00	-2088.6975	87594.951	-6839.0189	0.00000000E+00
275	0.00000000E+00	0.00000000E+00	2942.8877	96257.031	-1874.2987	0.00000000E+00
291	0.00000000E+00	0.00000000E+00	-4012.4208	-85159.931	2648.3505	0.00000000E+00
290	0.00000000E+00	0.00000000E+00	2741.7293	-77018.256	-10816.168	0.00000000E+00

ELEM= 166	FX	FY	FZ	MX	MY	MZ
276	0.00000000E+00	0.00000000E+00	-6662.3172	-1046.2662	-143.46557	0.00000000E+00
277	0.00000000E+00	0.00000000E+00	6506.8195	12315.891	10753.140	0.00000000E+00
293	0.00000000E+00	0.00000000E+00	-5684.9700	-11120.617	9383.4386	0.00000000E+00
292	0.00000000E+00	0.00000000E+00	5423.9665	927.15098	196.84945	0.00000000E+00

ELEM= 167	FX	FY	FZ	MX	MY	MZ
277	0.00000000E+00	0.00000000E+00	-6246.7491	10322.341	-11012.691	0.00000000E+00
278	0.00000000E+00	0.00000000E+00	6265.6886	22964.803	18438.352	0.00000000E+00
294	0.00000000E+00	0.00000000E+00	-5760.5905	-20187.629	15596.908	0.00000000E+00
293	0.00000000E+00	0.00000000E+00	5325.1497	-8464.8361	-9040.9345	0.00000000E+00

ELEM= 168	FX	FY	FZ	MX	MY	MZ
278	0.00000000E+00	0.00000000E+00	-5768.6728	20448.493	-18611.946	0.00000000E+00
279	0.00000000E+00	0.00000000E+00	5933.2506	32238.441	23656.025	0.00000000E+00
295	0.00000000E+00	0.00000000E+00	-5661.3822	-27962.554	19761.211	0.00000000E+00
294	0.00000000E+00	0.00000000E+00	5080.3031	-17118.682	-15394.956	0.00000000E+00

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ELEM= 169	FX	FY	FZ	MX	MY	MZ
279	0.00000000E+00	0.00000000E+00	-5234.0130	29538.781	-23720.408	0.00000000E+00
280	0.00000000E+00	0.00000000E+00	5542.7317	40296.699	26986.939	0.00000000E+00
296	0.00000000E+00	0.00000000E+00	-5441.7806	-34583.042	22508.488	0.00000000E+00
295	0.00000000E+00	0.00000000E+00	4716.5605	-24706.263	-19714.664	0.00000000E+00

ELEM= 170	FX	FY	FZ	MX	MY	MZ
280	0.00000000E+00	0.00000000E+00	-4682.5336	37561.202	-26953.183	0.00000000E+00
281	0.00000000E+00	0.00000000E+00	5125.2126	47263.572	28875.631	0.00000000E+00
297	0.00000000E+00	0.00000000E+00	-5152.2679	-40223.214	24212.924	0.00000000E+00
296	0.00000000E+00	0.00000000E+00	4293.0875	-31322.593	-22583.943	0.00000000E+00

ELEM= 171	FX	FY	FZ	MX	MY	MZ
281	0.00000000E+00	0.00000000E+00	-4143.8656	44574.013	-28763.747	0.00000000E+00
282	0.00000000E+00	0.00000000E+00	4708.1250	53269.774	29640.373	0.00000000E+00
298	0.00000000E+00	0.00000000E+00	-4834.3318	-45033.869	25108.394	0.00000000E+00
297	0.00000000E+00	0.00000000E+00	3853.5711	-37050.713	-24376.961	0.00000000E+00

ELEM= 172	FX	FY	FZ	MX	MY	MZ
282	0.00000000E+00	0.00000000E+00	-3641.3832	50659.010	-29468.975	0.00000000E+00
283	0.00000000E+00	0.00000000E+00	4313.8517	58440.551	29496.756	0.00000000E+00
299	0.00000000E+00	0.00000000E+00	-4520.4235	-49145.242	25341.792	0.00000000E+00
298	0.00000000E+00	0.00000000E+00	3431.4537	-41987.647	-25336.667	0.00000000E+00

ELEM= 173	FX	FY	FZ	MX	MY	MZ
283	0.00000000E+00	0.00000000E+00	-3193.0531	55909.515	-29278.875	0.00000000E+00
284	0.00000000E+00	0.00000000E+00	3960.6793	62896.570	28576.285	0.00000000E+00
300	0.00000000E+00	0.00000000E+00	-4236.4241	-52672.157	24999.438	0.00000000E+00
299	0.00000000E+00	0.00000000E+00	3052.2966	-46226.040	-25619.734	0.00000000E+00

ELEM= 174	FX	FY	FZ	MX	MY	MZ
284	0.00000000E+00	0.00000000E+00	-2813.5172	60421.265	-28318.738	0.00000000E+00
285	0.00000000E+00	0.00000000E+00	3664.3067	66755.879	26939.341	0.00000000E+00
301	0.00000000E+00	0.00000000E+00	-4004.2428	-55720.350	24119.154	0.00000000E+00
300	0.00000000E+00	0.00000000E+00	2736.9519	-49852.374	-25320.790	0.00000000E+00

ELEM= 175	FX	FY	FZ	MX	MY	MZ
285	0.00000000E+00	0.00000000E+00	-2515.9695	64289.850	-26643.261	0.00000000E+00
286	0.00000000E+00	0.00000000E+00	3439.4475	70137.399	24582.433	0.00000000E+00
302	0.00000000E+00	0.00000000E+00	-3844.1562	-58392.328	22694.916	0.00000000E+00
301	0.00000000E+00	0.00000000E+00	2504.1768	-52947.656	-24484.666	0.00000000E+00

ELEM= 176	FX	FY	FZ	MX	MY	MZ
286	0.00000000E+00	0.00000000E+00	-2313.7823	67610.970	-24244.185	0.00000000E+00
287	0.00000000E+00	0.00000000E+00	3301.3327	73166.181	21440.282	0.00000000E+00
303	0.00000000E+00	0.00000000E+00	-3776.8995	-60793.357	20676.024	0.00000000E+00
302	0.00000000E+00	0.00000000E+00	2372.8477	-55589.451	-23111.516	0.00000000E+00

ELEM= 177	FX	FY	FZ	MX	MY	MZ
287	0.00000000E+00	0.00000000E+00	-2221.8189	70482.044	-21052.925	0.00000000E+00
288	0.00000000E+00	0.00000000E+00	3266.7885	75979.510	17382.871	0.00000000E+00
304	0.00000000E+00	0.00000000E+00	-3825.3684	-63041.126	17959.887	0.00000000E+00
303	0.00000000E+00	0.00000000E+00	2363.8975	-57854.736	-21156.286	0.00000000E+00

ELEM= 178	FX	FY	FZ	MX	MY	MZ
288	0.00000000E+00	0.00000000E+00	-2257.1584	73007.647	-16938.367	0.00000000E+00
289	0.00000000E+00	0.00000000E+00	3356.1183	78747.167	12209.118	0.00000000E+00
305	0.00000000E+00	0.00000000E+00	-4017.0301	-65264.475	14378.160	0.00000000E+00
304	0.00000000E+00	0.00000000E+00	2501.5689	-59823.243	-18521.070	0.00000000E+00

ELEM= 179	FX	FY	FZ	MX	MY	MZ
289	0.00000000E+00	0.00000000E+00	-2439.4845	75291.758	-11705.629	0.00000000E+00
290	0.00000000E+00	0.00000000E+00	3584.6381	81614.096	5644.9004	0.00000000E+00
306	0.00000000E+00	0.00000000E+00	-4375.4789	-67707.209	9665.3204	0.00000000E+00
305	0.00000000E+00	0.00000000E+00	2813.8239	-61589.197	-15023.358	0.00000000E+00

ELEM= 180	FX	FY	FZ	MX	MY	MZ
290	0.00000000E+00	0.00000000E+00	-2785.1912	77530.243	-5078.7004	0.00000000E+00
291	0.00000000E+00	0.00000000E+00	4012.4208	85159.931	-2648.3505	0.00000000E+00
307	0.00000000E+00	0.00000000E+00	-4970.5547	-70154.527	3439.6753	0.00000000E+00
306	0.00000000E+00	0.00000000E+00	3326.8238	-63251.849	-10410.336	0.00000000E+00

ELEM= 181	FX	FY	FZ	MX	MY	MZ
292	0.00000000E+00	0.00000000E+00	-7757.9393	-927.15098	-196.84945	0.00000000E+00
293	0.00000000E+00	0.00000000E+00	7622.6477	10556.335	9115.8559	0.00000000E+00
309	0.00000000E+00	0.00000000E+00	-6992.8229	-8901.4674	7245.2143	0.00000000E+00
308	0.00000000E+00	0.00000000E+00	6711.6132	760.64826	262.05807	0.00000000E+00

ELEM= 182	FX	FY	FZ	MX	MY	MZ
293	0.00000000E+00	0.00000000E+00	-7262.8273	9029.1172	-9458.3600	0.00000000E+00
294	0.00000000E+00	0.00000000E+00	7368.9036	19627.387	15419.253	0.00000000E+00
310	0.00000000E+00	0.00000000E+00	-7027.0994	-15787.901	11652.880	0.00000000E+00
309	0.00000000E+00	0.00000000E+00	6504.5218	-6456.3343	-6832.6975	0.00000000E+00

ELEM= 183	FX	FY	FZ	MX	MY	MZ
294	0.00000000E+00	0.00000000E+00	-6688.6162	17678.924	-15621.206	0.00000000E+00
295	0.00000000E+00	0.00000000E+00	6993.4083	27348.898	19551.252	0.00000000E+00
311	0.00000000E+00	0.00000000E+00	-6842.7982	-21479.732	14568.863	0.00000000E+00
310	0.00000000E+00	0.00000000E+00	6121.5048	-13082.018	-11465.238	0.00000000E+00

ELEM= 184	FX	FY	FZ	MX	MY	MZ
295	0.00000000E+00	0.00000000E+00	-6048.5867	25319.919	-19597.799	0.00000000E+00
296	0.00000000E+00	0.00000000E+00	6544.3406	33961.504	22098.063	0.00000000E+00
312	0.00000000E+00	0.00000000E+00	-6525.1634	-26210.361	16530.847	0.00000000E+00
311	0.00000000E+00	0.00000000E+00	5612.9082	-18709.369	-14573.526	0.00000000E+00

ELEM= 185	FX	FY	FZ	MX	MY	MZ
296	0.00000000E+00	0.00000000E+00	-5395.6475	31944.130	-22022.608	0.00000000E+00
297	0.00000000E+00	0.00000000E+00	6062.7653	39617.275	23475.598	0.00000000E+00
313	0.00000000E+00	0.00000000E+00	-6139.1528	-30185.515	17793.457	0.00000000E+00
312	0.00000000E+00	0.00000000E+00	5055.5338	-23518.374	-16661.930	0.00000000E+00

ELEM= 186	FX	FY	FZ	MX	MY	MZ
297	0.00000000E+00	0.00000000E+00	-4764.0685	37656.653	-23311.561	0.00000000E+00
298	0.00000000E+00	0.00000000E+00	5582.4353	44456.576	23960.967	0.00000000E+00
314	0.00000000E+00	0.00000000E+00	-5731.9943	-33548.243	18510.085	0.00000000E+00
313	0.00000000E+00	0.00000000E+00	4497.1262	-27621.990	-18009.136	0.00000000E+00

ELEM= 187	FX	FY	FZ	MX	MY	MZ
298	0.00000000E+00	0.00000000E+00	-4179.5571	42564.940	-23732.694	0.00000000E+00
299	0.00000000E+00	0.00000000E+00	5129.7969	48600.332	23732.481	0.00000000E+00
315	0.00000000E+00	0.00000000E+00	-5338.5106	-36407.542	18776.733	0.00000000E+00
314	0.00000000E+00	0.00000000E+00	3971.7694	-31124.524	-18785.595	0.00000000E+00

ELEM= 188	FX	FY	FZ	MX	MY	MZ
299	0.00000000E+00	0.00000000E+00	-3661.6700	46770.950	-23454.539	0.00000000E+00
300	0.00000000E+00	0.00000000E+00	4726.1695	52156.889	22894.516	0.00000000E+00
316	0.00000000E+00	0.00000000E+00	-4985.9081	-38852.634	18650.086	0.00000000E+00
315	0.00000000E+00	0.00000000E+00	3504.9073	-34111.103	-19099.227	0.00000000E+00

ELEM= 189	FX	FY	FZ	MX	MY	MZ
300	0.00000000E+00	0.00000000E+00	-3226.6972	50367.641	-22573.164	0.00000000E+00
301	0.00000000E+00	0.00000000E+00	4389.9638	55227.068	21491.866	0.00000000E+00
317	0.00000000E+00	0.00000000E+00	-4697.2864	-40962.261	18154.996	0.00000000E+00
316	0.00000000E+00	0.00000000E+00	3117.5185	-36653.496	-19015.508	0.00000000E+00

ELEM= 190	FX	FY	FZ	MX	MY	MZ
301	0.00000000E+00	0.00000000E+00	-2889.8979	53440.939	-21126.354	0.00000000E+00
302	0.00000000E+00	0.00000000E+00	4138.7448	57909.261	19516.361	0.00000000E+00
318	0.00000000E+00	0.00000000E+00	-4494.4253	-42811.119	17286.974	0.00000000E+00
317	0.00000000E+00	0.00000000E+00	2829.0770	-38814.290	-18566.605	0.00000000E+00

ELEM= 191	FX	FY	FZ	MX	MY	MZ
302	0.00000000E+00	0.00000000E+00	-2667.4364	56072.518	-19099.761	0.00000000E+00
303	0.00000000E+00	0.00000000E+00	3991.1056	60304.952	16907.338	0.00000000E+00
319	0.00000000E+00	0.00000000E+00	-4400.1744	-44475.813	16011.141	0.00000000E+00
318	0.00000000E+00	0.00000000E+00	2660.0038	-40650.490	-17754.754	0.00000000E+00

ELEM= 192	FX	FY	FZ	MX	MY	MZ
303	0.00000000E+00	0.00000000E+00	-2578.1037	58343.142	-16427.076	0.00000000E+00
304	0.00000000E+00	0.00000000E+00	3968.5128	62526.134	13544.790	0.00000000E+00
320	0.00000000E+00	0.00000000E+00	-4440.9897	-46040.131	14255.656	0.00000000E+00
319	0.00000000E+00	0.00000000E+00	2634.0793	-42216.485	-16552.205	0.00000000E+00

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ELEM= 193	FX	FY	FZ	MX	MY	MZ
304	0.00000000E+00	0.00000000E+00	-2644.7133	60338.234	-12983.607	0.00000000E+00
305	0.00000000E+00	0.00000000E+00	4098.4150	64724.812	9238.4898	0.00000000E+00
321	0.00000000E+00	0.00000000E+00	-4650.5967	-47598.254	11898.087	0.00000000E+00
320	0.00000000E+00	0.00000000E+00	2780.3936	-43560.963	-14894.017	0.00000000E+00

ELEM= 194	FX	FY	FZ	MX	MY	MZ
305	0.00000000E+00	0.00000000E+00	-2895.2088	62128.859	-8593.2928	0.00000000E+00
306	0.00000000E+00	0.00000000E+00	4403.4254	67029.664	3685.6963	0.00000000E+00
322	0.00000000E+00	0.00000000E+00	-5068.9045	-49401.543	8634.1348	0.00000000E+00
321	0.00000000E+00	0.00000000E+00	3144.1865	-44741.048	-12688.215	0.00000000E+00

ELEM= 195	FX	FY	FZ	MX	MY	MZ
306	0.00000000E+00	0.00000000E+00	-3354.7703	63929.394	-2940.6809	0.00000000E+00
307	0.00000000E+00	0.00000000E+00	4970.5547	70154.527	-3439.6753	0.00000000E+00
323	0.00000000E+00	0.00000000E+00	-5779.8592	-51056.642	4201.6668	0.00000000E+00
322	0.00000000E+00	0.00000000E+00	3747.5734	-45816.962	-9601.9655	0.00000000E+00

ELEM= 196	FX	FY	FZ	MX	MY	MZ
308	0.00000000E+00	0.00000000E+00	-8574.6992	-760.64826	-262.05807	0.00000000E+00
309	0.00000000E+00	0.00000000E+00	8463.0748	8076.0349	6872.8585	0.00000000E+00
325	0.00000000E+00	0.00000000E+00	-8094.6281	-5767.0246	4348.8851	0.00000000E+00
324	0.00000000E+00	0.00000000E+00	7789.7511	422.81457	343.58370	0.00000000E+00

ELEM= 197	FX	FY	FZ	MX	MY	MZ
309	0.00000000E+00	0.00000000E+00	-7974.7737	7281.7668	-7285.3753	0.00000000E+00
310	0.00000000E+00	0.00000000E+00	8207.4873	14991.546	11365.202	0.00000000E+00
326	0.00000000E+00	0.00000000E+00	-8069.0748	-9624.2683	6579.0556	0.00000000E+00
325	0.00000000E+00	0.00000000E+00	7419.8599	-3653.3735	-3864.2858	0.00000000E+00

ELEM= 198	FX	FY	FZ	MX	MY	MZ
310	0.00000000E+00	0.00000000E+00	-7301.8927	13878.373	-11552.844	0.00000000E+00
311	0.00000000E+00	0.00000000E+00	7799.8061	20658.281	14154.388	0.00000000E+00
327	0.00000000E+00	0.00000000E+00	-7789.1046	-12639.836	8146.6028	0.00000000E+00
326	0.00000000E+00	0.00000000E+00	6874.6899	-7491.0708	-6456.6849	0.00000000E+00

ELEM= 199	FX	FY	FZ	MX	MY	MZ
311	0.00000000E+00	0.00000000E+00	-6569.9160	19530.820	-14149.725	0.00000000E+00
312	0.00000000E+00	0.00000000E+00	7307.2365	25422.731	15780.183	0.00000000E+00
328	0.00000000E+00	0.00000000E+00	-7379.1618	-15086.445	9281.6356	0.00000000E+00
327	0.00000000E+00	0.00000000E+00	6225.3401	-10577.455	-8240.1185	0.00000000E+00

ELEM= 200	FX	FY	FZ	MX	MY	MZ
312	0.00000000E+00	0.00000000E+00	-5837.6069	24306.005	-15649.101	0.00000000E+00
313	0.00000000E+00	0.00000000E+00	6779.8050	29447.049	16586.025	0.00000000E+00
329	0.00000000E+00	0.00000000E+00	-6910.7111	-17122.411	10078.158	0.00000000E+00
328	0.00000000E+00	0.00000000E+00	5552.0116	-13161.487	-9499.1288	0.00000000E+00

ELEM= 201	FX	FY	FZ	MX	MY	MZ
313	0.00000000E+00	0.00000000E+00	-5137.7784	28360.456	-16370.346	0.00000000E+00
314	0.00000000E+00	0.00000000E+00	6255.6077	32863.219	16778.616	0.00000000E+00
330	0.00000000E+00	0.00000000E+00	-6431.4598	-18835.228	10604.451	0.00000000E+00
329	0.00000000E+00	0.00000000E+00	4897.1291	-15336.415	-10377.709	0.00000000E+00

ELEM= 202	FX	FY	FZ	MX	MY	MZ
314	0.00000000E+00	0.00000000E+00	-4495.3828	31809.548	-16503.106	0.00000000E+00
315	0.00000000E+00	0.00000000E+00	5763.4822	35772.561	16483.853	0.00000000E+00
331	0.00000000E+00	0.00000000E+00	-5975.7041	-20287.179	10904.823	0.00000000E+00
330	0.00000000E+00	0.00000000E+00	4291.1033	-17177.388	-10963.406	0.00000000E+00

ELEM= 203	FX	FY	FZ	MX	MY	MZ
315	0.00000000E+00	0.00000000E+00	-3929.8789	34746.084	-16161.360	0.00000000E+00
316	0.00000000E+00	0.00000000E+00	5326.5337	38259.540	15772.347	0.00000000E+00
332	0.00000000E+00	0.00000000E+00	-5570.2550	-21527.267	11006.519	0.00000000E+00
331	0.00000000E+00	0.00000000E+00	3757.0989	-18738.285	-11312.730	0.00000000E+00

ELEM= 204	FX	FY	FZ	MX	MY	MZ
316	0.00000000E+00	0.00000000E+00	-3458.1442	37246.590	-15406.924	0.00000000E+00
317	0.00000000E+00	0.00000000E+00	4964.9229	40399.007	14671.632	0.00000000E+00
333	0.00000000E+00	0.00000000E+00	-5238.2118	-22597.962	10922.478	0.00000000E+00
332	0.00000000E+00	0.00000000E+00	3314.9318	-20061.036	-11461.936	0.00000000E+00

ELEM= 205	FX	FY	FZ	MX	MY	MZ
317	0.00000000E+00	0.00000000E+00	-3096.7135	39377.544	-14260.024	0.00000000E+00
318	0.00000000E+00	0.00000000E+00	4698.2834	42262.066	13170.823	0.00000000E+00
334	0.00000000E+00	0.00000000E+00	-5001.8962	-23539.274	10652.240	0.00000000E+00
333	0.00000000E+00	0.00000000E+00	2983.8249	-21179.995	-11432.137	0.00000000E+00

ELEM= 206	FX	FY	FZ	MX	MY	MZ
318	0.00000000E+00	0.00000000E+00	-2863.8619	41199.543	-12703.044	0.00000000E+00
319	0.00000000E+00	0.00000000E+00	4547.8282	43920.625	11220.439	0.00000000E+00
335	0.00000000E+00	0.00000000E+00	-4885.3159	-24394.057	10180.312	0.00000000E+00
334	0.00000000E+00	0.00000000E+00	2784.8483	-22124.885	-11230.753	0.00000000E+00

ELEM= 207	FX	FY	FZ	MX	MY	MZ
319	0.00000000E+00	0.00000000E+00	-2781.7331	42771.673	-10679.375	0.00000000E+00
320	0.00000000E+00	0.00000000E+00	4539.0320	45457.571	8725.1543	0.00000000E+00
336	0.00000000E+00	0.00000000E+00	-4917.5296	-25208.212	9473.0442	0.00000000E+00
335	0.00000000E+00	0.00000000E+00	2743.7293	-22923.821	-10855.662	0.00000000E+00

ELEM= 208	FX	FY	FZ	MX	MY	MZ
320	0.00000000E+00	0.00000000E+00	-2878.4359	44143.523	-8086.7926	0.00000000E+00
321	0.00000000E+00	0.00000000E+00	4698.9068	46939.484	5533.3726	0.00000000E+00
337	0.00000000E+00	0.00000000E+00	-5129.1628	-26090.643	8466.1939	0.00000000E+00
336	0.00000000E+00	0.00000000E+00	2892.1905	-23606.444	-10264.077	0.00000000E+00

ELEM= 209	FX	FY	FZ	MX	MY	MZ
321	0.00000000E+00	0.00000000E+00	-3192.4967	45399.818	-4743.2447	0.00000000E+00
322	0.00000000E+00	0.00000000E+00	5077.9555	48547.049	1261.6734	0.00000000E+00
338	0.00000000E+00	0.00000000E+00	-5584.8979	-26991.960	7190.8146	0.00000000E+00
337	0.00000000E+00	0.00000000E+00	3282.9378	-24243.234	-9563.6020	0.00000000E+00

ELEM= 210	FX	FY	FZ	MX	MY	MZ
322	0.00000000E+00	0.00000000E+00	-3756.6244	46671.456	-293.84271	0.00000000E+00
323	0.00000000E+00	0.00000000E+00	5779.8592	51056.642	-4201.6668	0.00000000E+00
339	0.00000000E+00	0.00000000E+00	-6358.8753	-27732.572	5108.7270	0.00000000E+00
338	0.00000000E+00	0.00000000E+00	3919.1392	-24473.223	-7880.2202	0.00000000E+00

ELEM= 211	FX	FY	FZ	MX	MY	MZ
324	0.00000000E+00	0.00000000E+00	-8963.5792	-422.81457	-343.58370	0.00000000E+00
325	0.00000000E+00	0.00000000E+00	8918.4929	4507.8839	3661.8735	0.00000000E+00
341	0.00000000E+00	0.00000000E+00	-8950.5548	-756.51578	135.00944	0.00000000E+00
340	0.00000000E+00	0.00000000E+00	8579.1398	0.24078257E-11	-0.26503244E-11	0.00000000E+00

ELEM= 212	FX	FY	FZ	MX	MY	MZ
325	0.00000000E+00	0.00000000E+00	-8243.7248	4912.5142	-4146.4727	0.00000000E+00
326	0.00000000E+00	0.00000000E+00	8701.8893	8543.4209	5973.0646	0.00000000E+00
342	0.00000000E+00	0.00000000E+00	-8807.0698	-617.58037	328.59297	0.00000000E+00
341	0.00000000E+00	0.00000000E+00	7932.4039	756.51578	-135.00944	0.00000000E+00

ELEM= 213	FX	FY	FZ	MX	MY	MZ
326	0.00000000E+00	0.00000000E+00	-7507.5044	8571.9182	-6095.4353	0.00000000E+00
327	0.00000000E+00	0.00000000E+00	8292.3334	11623.108	7274.3626	0.00000000E+00
343	0.00000000E+00	0.00000000E+00	-8424.3393	-553.78030	644.06463	0.00000000E+00
342	0.00000000E+00	0.00000000E+00	7223.0089	617.58037	-328.59297	0.00000000E+00

ELEM= 214	FX	FY	FZ	MX	MY	MZ
327	0.00000000E+00	0.00000000E+00	-6728.5689	11594.183	-7180.8469	0.00000000E+00
328	0.00000000E+00	0.00000000E+00	7785.8719	14162.726	7935.1829	0.00000000E+00
344	0.00000000E+00	0.00000000E+00	-7938.4780	-493.39404	980.36285	0.00000000E+00
343	0.00000000E+00	0.00000000E+00	6464.6736	553.78030	-644.06463	0.00000000E+00

ELEM= 215	FX	FY	FZ	MX	MY	MZ
328	0.00000000E+00	0.00000000E+00	-5958.7217	14085.207	-7717.6897	0.00000000E+00
329	0.00000000E+00	0.00000000E+00	7241.5709	16283.658	8169.8355	0.00000000E+00
345	0.00000000E+00	0.00000000E+00	-7409.0589	-443.82136	1327.1646	0.00000000E+00
344	0.00000000E+00	0.00000000E+00	5709.7084	493.39404	-980.36285	0.00000000E+00

ELEM= 216	FX	FY	FZ	MX	MY	MZ
329	0.00000000E+00	0.00000000E+00	-5227.9889	16175.168	-7870.2842	0.00000000E+00
330	0.00000000E+00	0.00000000E+00	6700.5829	18072.292	8090.9132	0.00000000E+00
346	0.00000000E+00	0.00000000E+00	-6879.7421	-402.05101	1676.7286	0.00000000E+00
345	0.00000000E+00	0.00000000E+00	4990.6468	443.82136	-1327.1646	0.00000000E+00

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ELEM= 217	FX	FY	FZ	MX	MY	MZ
330	0.000000E+00	0.000000E+00	-4560.2264	17940.323	-7731.9584	0.000000E+00
331	0.000000E+00	0.000000E+00	6193.3126	19588.608	7764.6538	0.000000E+00
347	0.000000E+00	0.000000E+00	-6382.0071	-367.71082	2027.3320	0.000000E+00
346	0.000000E+00	0.000000E+00	4332.4197	402.05101	-1676.7286	0.000000E+00

ELEM= 218	FX	FY	FZ	MX	MY	MZ
331	0.000000E+00	0.000000E+00	-3974.7074	19436.857	-7356.7467	0.000000E+00
332	0.000000E+00	0.000000E+00	5744.0490	20879.742	7226.5698	0.000000E+00
348	0.000000E+00	0.000000E+00	-5940.9162	-341.11753	2380.9442	0.000000E+00
347	0.000000E+00	0.000000E+00	3755.0580	367.71082	-2027.3320	0.000000E+00

ELEM= 219	FX	FY	FZ	MX	MY	MZ
332	0.000000E+00	0.000000E+00	-3488.7609	20708.560	-6771.1324	0.000000E+00
333	0.000000E+00	0.000000E+00	5374.2162	21985.627	6488.4185	0.000000E+00
349	0.000000E+00	0.000000E+00	-5578.4189	-323.29704	2742.9980	0.000000E+00
348	0.000000E+00	0.000000E+00	3276.4423	341.11753	-2380.9442	0.000000E+00

ELEM= 220	FX	FY	FZ	MX	MY	MZ
333	0.000000E+00	0.000000E+00	-3119.8293	21752.330	-5978.7593	0.000000E+00
334	0.000000E+00	0.000000E+00	5104.8282	22942.271	5540.6250	0.000000E+00
350	0.000000E+00	0.000000E+00	-5315.1991	-316.30639	3123.8944	0.000000E+00
349	0.000000E+00	0.000000E+00	2914.4989	323.29704	-2742.9980	0.000000E+00

ELEM= 221	FX	FY	FZ	MX	MY	MZ
334	0.000000E+00	0.000000E+00	-2887.7803	22721.188	-4962.1121	0.000000E+00
335	0.000000E+00	0.000000E+00	4959.1210	23788.707	4349.7384	0.000000E+00
351	0.000000E+00	0.000000E+00	-5177.7775	-322.53656	3533.0860	0.000000E+00
350	0.000000E+00	0.000000E+00	2689.8954	316.30639	-3123.8944	0.000000E+00

ELEM= 222	FX	FY	FZ	MX	MY	MZ
335	0.000000E+00	0.000000E+00	-2817.5344	23529.170	-3674.3880	0.000000E+00
336	0.000000E+00	0.000000E+00	4965.5339	24568.018	2858.2610	0.000000E+00
352	0.000000E+00	0.000000E+00	-5189.9112	-356.30120	4029.1070	0.000000E+00
351	0.000000E+00	0.000000E+00	2625.6193	322.53656	-3533.0860	0.000000E+00

ELEM= 223	FX	FY	FZ	MX	MY	MZ
336	0.000000E+00	0.000000E+00	-2939.9966	24246.637	-2067.2279	0.000000E+00
337	0.000000E+00	0.000000E+00	5162.0375	25345.799	943.87777	0.000000E+00
353	0.000000E+00	0.000000E+00	-5408.2290	-370.75827	4408.8135	0.000000E+00
352	0.000000E+00	0.000000E+00	2769.6852	356.30120	-4029.1070	0.000000E+00

ELEM= 224	FX	FY	FZ	MX	MY	MZ
337	0.000000E+00	0.000000E+00	-3315.8123	24988.078	153.53038	0.000000E+00
338	0.000000E+00	0.000000E+00	5597.7189	26189.506	-1296.5878	0.000000E+00
354	0.000000E+00	0.000000E+00	-5771.5356	-749.13499	6226.7760	0.000000E+00
353	0.000000E+00	0.000000E+00	3073.1277	370.75827	-4408.8135	0.000000E+00

ELEM= 225	FX	FY	FZ	MX	MY	MZ
338	0.000000E+00	0.000000E+00	-3931.9602	25725.676	1985.9935	0.000000E+00
339	0.000000E+00	0.000000E+00	6558.8753	27732.572	-5108.7270	0.000000E+00
355	0.000000E+00	0.000000E+00	-7044.1418	0.44822326E-10	-0.19645294E-10	0.000000E+00
354	0.000000E+00	0.000000E+00	4200.7253	749.13499	-6226.7760	0.000000E+00

NODE	FX	FY	FZ	MX	MY	MZ
100	0.00000000E+00	0.00000000E+00	-8579.1398	0.00000000E+00	0.00000000E+00	0.00000000E+00
101	0.00000000E+00	0.00000000E+00	1018.1509	0.00000000E+00	0.00000000E+00	0.00000000E+00
102	0.00000000E+00	0.00000000E+00	1584.0609	0.00000000E+00	0.00000000E+00	0.00000000E+00
103	0.00000000E+00	0.00000000E+00	1959.6657	0.00000000E+00	0.00000000E+00	0.00000000E+00
104	0.00000000E+00	0.00000000E+00	2228.7696	0.00000000E+00	0.00000000E+00	0.00000000E+00
105	0.00000000E+00	0.00000000E+00	2418.4121	0.00000000E+00	0.00000000E+00	0.00000000E+00
106	0.00000000E+00	0.00000000E+00	2547.3225	0.00000000E+00	0.00000000E+00	0.00000000E+00
107	0.00000000E+00	0.00000000E+00	2626.9491	0.00000000E+00	0.00000000E+00	0.00000000E+00
108	0.00000000E+00	0.00000000E+00	2664.4738	0.00000000E+00	0.00000000E+00	0.00000000E+00
109	0.00000000E+00	0.00000000E+00	2663.9200	0.00000000E+00	0.00000000E+00	0.00000000E+00
110	0.00000000E+00	0.00000000E+00	2626.1037	0.00000000E+00	0.00000000E+00	0.00000000E+00
111	0.00000000E+00	0.00000000E+00	2552.1212	0.00000000E+00	0.00000000E+00	0.00000000E+00
112	0.00000000E+00	0.00000000E+00	2420.2319	0.00000000E+00	0.00000000E+00	0.00000000E+00
113	0.00000000E+00	0.00000000E+00	2335.1013	0.00000000E+00	0.00000000E+00	0.00000000E+00
114	0.00000000E+00	0.00000000E+00	1570.8103	0.00000000E+00	0.00000000E+00	0.00000000E+00
115	0.00000000E+00	0.00000000E+00	7044.1418	0.00000000E+00	0.00000000E+00	0.00000000E+00
116	0.00000000E+00	0.00000000E+00	1173.8281	0.00000000E+00	0.00000000E+00	0.00000000E+00
132	0.00000000E+00	0.00000000E+00	1863.0860	0.00000000E+00	0.00000000E+00	0.00000000E+00
148	0.00000000E+00	0.00000000E+00	2333.9728	0.00000000E+00	0.00000000E+00	0.00000000E+00
164	0.00000000E+00	0.00000000E+00	2676.7829	0.00000000E+00	0.00000000E+00	0.00000000E+00
180	0.00000000E+00	0.00000000E+00	2916.0808	0.00000000E+00	0.00000000E+00	0.00000000E+00
196	0.00000000E+00	0.00000000E+00	3068.6153	0.00000000E+00	0.00000000E+00	0.00000000E+00
212	0.00000000E+00	0.00000000E+00	3142.9389	0.00000000E+00	0.00000000E+00	0.00000000E+00
228	0.00000000E+00	0.00000000E+00	3142.9389	0.00000000E+00	0.00000000E+00	0.00000000E+00
244	0.00000000E+00	0.00000000E+00	3068.6153	0.00000000E+00	0.00000000E+00	0.00000000E+00
260	0.00000000E+00	0.00000000E+00	2916.0808	0.00000000E+00	0.00000000E+00	0.00000000E+00
276	0.00000000E+00	0.00000000E+00	2676.7829	0.00000000E+00	0.00000000E+00	0.00000000E+00
292	0.00000000E+00	0.00000000E+00	2333.9728	0.00000000E+00	0.00000000E+00	0.00000000E+00
308	0.00000000E+00	0.00000000E+00	1863.0860	0.00000000E+00	0.00000000E+00	0.00000000E+00
324	0.00000000E+00	0.00000000E+00	1173.8281	0.00000000E+00	0.00000000E+00	0.00000000E+00
340	0.00000000E+00	0.00000000E+00	-8579.1398	0.00000000E+00	0.00000000E+00	0.00000000E+00
341	0.00000000E+00	0.00000000E+00	1018.1509	0.00000000E+00	0.00000000E+00	0.00000000E+00
342	0.00000000E+00	0.00000000E+00	1584.0609	0.00000000E+00	0.00000000E+00	0.00000000E+00
343	0.00000000E+00	0.00000000E+00	1959.6657	0.00000000E+00	0.00000000E+00	0.00000000E+00
344	0.00000000E+00	0.00000000E+00	2228.7696	0.00000000E+00	0.00000000E+00	0.00000000E+00
345	0.00000000E+00	0.00000000E+00	2418.4121	0.00000000E+00	0.00000000E+00	0.00000000E+00
346	0.00000000E+00	0.00000000E+00	2547.3225	0.00000000E+00	0.00000000E+00	0.00000000E+00
347	0.00000000E+00	0.00000000E+00	2626.9491	0.00000000E+00	0.00000000E+00	0.00000000E+00
348	0.00000000E+00	0.00000000E+00	2664.4738	0.00000000E+00	0.00000000E+00	0.00000000E+00
349	0.00000000E+00	0.00000000E+00	2663.9200	0.00000000E+00	0.00000000E+00	0.00000000E+00
350	0.00000000E+00	0.00000000E+00	2626.1037	0.00000000E+00	0.00000000E+00	0.00000000E+00
351	0.00000000E+00	0.00000000E+00	2552.1212	0.00000000E+00	0.00000000E+00	0.00000000E+00
352	0.00000000E+00	0.00000000E+00	2420.2319	0.00000000E+00	0.00000000E+00	0.00000000E+00
353	0.00000000E+00	0.00000000E+00	2335.1013	0.00000000E+00	0.00000000E+00	0.00000000E+00
354	0.00000000E+00	0.00000000E+00	1570.8103	0.00000000E+00	0.00000000E+00	0.00000000E+00
355	0.00000000E+00	0.00000000E+00	7044.1418	0.00000000E+00	0.00000000E+00	0.00000000E+00
TOTAL	0.00000000E+00	0.00000000E+00	93712.800	0.00000000E+00	0.00000000E+00	0.00000000E+00

A 42

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NUXY,1,0.3
DENS,1,2.25E-04
R,1,12
ET,1,63
ET,2,4
E,100,101,117,116
EGEN,15,1,1
EGEN,15,16,1,15,1
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F,243,FZ,-1062.5
LWRI
AFWR
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NODE	UX	UY	UZ	ROTX	ROTY	ROTZ
100	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.71084536E-06	0.31480793E-06	0.00000000E+00
101	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.25178258E-03	0.19658515E-06	0.00000000E+00
102	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.49382835E-03	0.26036221E-08	0.00000000E+00
103	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.72064801E-03	-0.62387064E-07	0.00000000E+00
104	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.93014539E-03	-0.10726353E-06	0.00000000E+00
105	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.11217882E-02	-0.13701732E-06	0.00000000E+00
106	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.12961593E-02	-0.15913810E-06	0.00000000E+00
107	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.14546473E-02	-0.17759202E-06	0.00000000E+00
108	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.15992821E-02	-0.19570519E-06	0.00000000E+00
109	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.17326555E-02	-0.21645587E-06	0.00000000E+00
110	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.18579138E-02	-0.24442135E-06	0.00000000E+00
111	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.19788203E-02	-0.27774808E-06	0.00000000E+00
112	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.20999084E-02	-0.36777679E-06	0.00000000E+00
113	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.22267113E-02	-0.23104502E-06	0.00000000E+00
114	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.23663439E-02	-0.17357634E-05	0.00000000E+00
115	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.25279795E-02	0.70327702E-05	0.00000000E+00
116	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.55254007E-06	0.26095904E-03	0.00000000E+00
117	0.00000000E+00	0.00000000E+00	-0.50887789E-02	-0.24341435E-03	0.25550426E-03	0.00000000E+00
118	0.00000000E+00	0.00000000E+00	-0.99797829E-02	-0.47818682E-03	0.24210065E-03	0.00000000E+00
119	0.00000000E+00	0.00000000E+00	-0.14567534E-01	-0.69884745E-03	0.22517021E-03	0.00000000E+00
120	0.00000000E+00	0.00000000E+00	-0.18806584E-01	-0.90304856E-03	0.20689790E-03	0.00000000E+00
121	0.00000000E+00	0.00000000E+00	-0.22685363E-01	-0.10900773E-02	0.18867516E-03	0.00000000E+00
122	0.00000000E+00	0.00000000E+00	-0.26215055E-01	-0.12603922E-02	0.17147878E-03	0.00000000E+00
123	0.00000000E+00	0.00000000E+00	-0.29423438E-01	-0.14152857E-02	0.15605112E-03	0.00000000E+00
124	0.00000000E+00	0.00000000E+00	-0.32351420E-01	-0.15567059E-02	0.14300737E-03	0.00000000E+00
125	0.00000000E+00	0.00000000E+00	-0.35051366E-01	-0.16871672E-02	0.13291579E-03	0.00000000E+00
126	0.00000000E+00	0.00000000E+00	-0.37586885E-01	-0.18097349E-02	0.12636926E-03	0.00000000E+00
127	0.00000000E+00	0.00000000E+00	-0.40034060E-01	-0.19280795E-02	0.12406349E-03	0.00000000E+00
128	0.00000000E+00	0.00000000E+00	-0.42484257E-01	-0.20466007E-02	0.12688485E-03	0.00000000E+00
129	0.00000000E+00	0.00000000E+00	-0.45049746E-01	-0.21706817E-02	0.13609532E-03	0.00000000E+00
130	0.00000000E+00	0.00000000E+00	-0.47867979E-01	-0.23069384E-02	0.15301767E-03	0.00000000E+00
131	0.00000000E+00	0.00000000E+00	-0.51132820E-01	-0.24635528E-02	0.18180630E-03	0.00000000E+00
132	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.31637961E-06	0.50528857E-03	0.00000000E+00
133	0.00000000E+00	0.00000000E+00	-0.98547990E-02	-0.22153819E-03	0.49551513E-03	0.00000000E+00
134	0.00000000E+00	0.00000000E+00	-0.19353742E-01	-0.43645667E-03	0.47086079E-03	0.00000000E+00
135	0.00000000E+00	0.00000000E+00	-0.28285610E-01	-0.63970836E-03	0.43878390E-03	0.00000000E+00
136	0.00000000E+00	0.00000000E+00	-0.36552075E-01	-0.82864879E-03	0.40369681E-03	0.00000000E+00
137	0.00000000E+00	0.00000000E+00	-0.44124284E-01	-0.10022477E-02	0.36846032E-03	0.00000000E+00
138	0.00000000E+00	0.00000000E+00	-0.51020219E-01	-0.11606849E-02	0.33508068E-03	0.00000000E+00
139	0.00000000E+00	0.00000000E+00	-0.57291863E-01	-0.13050122E-02	0.30507104E-03	0.00000000E+00
140	0.00000000E+00	0.00000000E+00	-0.63017869E-01	-0.14369570E-02	0.27967346E-03	0.00000000E+00
141	0.00000000E+00	0.00000000E+00	-0.68299919E-01	-0.15588166E-02	0.26002267E-03	0.00000000E+00
142	0.00000000E+00	0.00000000E+00	-0.73262035E-01	-0.16734262E-02	0.24728854E-03	0.00000000E+00
143	0.00000000E+00	0.00000000E+00	-0.78052676E-01	-0.17841912E-02	0.24282113E-03	0.00000000E+00
144	0.00000000E+00	0.00000000E+00	-0.82849887E-01	-0.18951815E-02	0.24832213E-03	0.00000000E+00
145	0.00000000E+00	0.00000000E+00	-0.87870371E-01	-0.20113011E-02	0.26607809E-03	0.00000000E+00
146	0.00000000E+00	0.00000000E+00	-0.93384375E-01	-0.21387091E-02	0.29945439E-03	0.00000000E+00
147	0.00000000E+00	0.00000000E+00	-0.99744140E-01	-0.22839306E-02	0.35333108E-03	0.00000000E+00
148	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.23298364E-06	0.72167856E-03	0.00000000E+00
149	0.00000000E+00	0.00000000E+00	-0.14079052E-01	-0.19096920E-03	0.70869895E-03	0.00000000E+00
150	0.00000000E+00	0.00000000E+00	-0.27682477E-01	-0.37695494E-03	0.67529323E-03	0.00000000E+00
151	0.00000000E+00	0.00000000E+00	-0.40507303E-01	-0.55382804E-03	0.63075462E-03	0.00000000E+00
152	0.00000000E+00	0.00000000E+00	-0.52400747E-01	-0.71907178E-03	0.58130942E-03	0.00000000E+00
153	0.00000000E+00	0.00000000E+00	-0.63311244E-01	-0.87149871E-03	0.53122014E-03	0.00000000E+00
154	0.00000000E+00	0.00000000E+00	-0.73257784E-01	-0.10110294E-02	0.48352822E-03	0.00000000E+00
155	0.00000000E+00	0.00000000E+00	-0.82310984E-01	-0.11384281E-02	0.44052888E-03	0.00000000E+00
156	0.00000000E+00	0.00000000E+00	-0.90581807E-01	-0.12551200E-02	0.40409268E-03	0.00000000E+00
157	0.00000000E+00	0.00000000E+00	-0.98215713E-01	-0.13630833E-02	0.37590852E-03	0.00000000E+00
158	0.00000000E+00	0.00000000E+00	-0.10539117	-0.14648035E-02	0.35769163E-03	0.00000000E+00
159	0.00000000E+00	0.00000000E+00	-0.11232218	-0.15632825E-02	0.35138798E-03	0.00000000E+00
160	0.00000000E+00	0.00000000E+00	-0.11926496	-0.16620971E-02	0.35940777E-03	0.00000000E+00
161	0.00000000E+00	0.00000000E+00	-0.12652991	-0.17654813E-02	0.38492377E-03	0.00000000E+00
162	0.00000000E+00	0.00000000E+00	-0.13450067	-0.18785278E-02	0.43231480E-03	0.00000000E+00
163	0.00000000E+00	0.00000000E+00	-0.14366196	-0.20066235E-02	0.50758965E-03	0.00000000E+00
164	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.16485805E-06	0.90257451E-03	0.00000000E+00
165	0.00000000E+00	0.00000000E+00	-0.17612128E-01	-0.15422719E-03	0.88724733E-03	0.00000000E+00
166	0.00000000E+00	0.00000000E+00	-0.34659717E-01	-0.30481957E-03	0.84726539E-03	0.00000000E+00
167	0.00000000E+00	0.00000000E+00	-0.50767124E-01	-0.44862749E-03	0.79304374E-03	0.00000000E+00
168	0.00000000E+00	0.00000000E+00	-0.65733367E-01	-0.58355758E-03	0.73211074E-03	0.00000000E+00
169	0.00000000E+00	0.00000000E+00	-0.79483169E-01	-0.70849225E-03	0.66988685E-03	0.00000000E+00
170	0.00000000E+00	0.00000000E+00	-0.92032309E-01	-0.82321084E-03	0.61034220E-03	0.00000000E+00

171	0.00000000E+00	0.00000000E+00	-0.10346437	-0.92822168E-03	0.55650111E-03	0.00000000E+00
172	0.00000000E+00	0.00000000E+00	-0.11391614	-0.10246235E-02	0.51082547E-03	0.00000000E+00
173	0.00000000E+00	0.00000000E+00	-0.12356962	-0.11140124E-02	0.47551978E-03	0.00000000E+00
174	0.00000000E+00	0.00000000E+00	-0.13264968	-0.11984366E-02	0.45279307E-03	0.00000000E+00
175	0.00000000E+00	0.00000000E+00	-0.14142652	-0.12803903E-02	0.44510646E-03	0.00000000E+00
176	0.00000000E+00	0.00000000E+00	-0.15022314	-0.13628332E-02	0.45543771E-03	0.00000000E+00
177	0.00000000E+00	0.00000000E+00	-0.15942850	-0.14492080E-02	0.48760022E-03	0.00000000E+00
178	0.00000000E+00	0.00000000E+00	-0.16951779	-0.15435045E-02	0.54664597E-03	0.00000000E+00
179	0.00000000E+00	0.00000000E+00	-0.18108080	-0.16498713E-02	0.63928834E-03	0.00000000E+00
180	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.11153985E-06	0.10425749E-02	0.00000000E+00
181	0.00000000E+00	0.00000000E+00	-0.20347335E-01	-0.11309948E-03	0.10255933E-02	0.00000000E+00
182	0.00000000E+00	0.00000000E+00	-0.40067065E-01	-0.22371998E-03	0.98091735E-03	0.00000000E+00
183	0.00000000E+00	0.00000000E+00	-0.58730134E-01	-0.32966016E-03	0.91964751E-03	0.00000000E+00
184	0.00000000E+00	0.00000000E+00	-0.76097797E-01	-0.42938254E-03	0.85018505E-03	0.00000000E+00
185	0.00000000E+00	0.00000000E+00	-0.92074217E-01	-0.52200331E-03	0.77880533E-03	0.00000000E+00
186	0.00000000E+00	0.00000000E+00	-0.10667033	-0.60728286E-03	0.71021629E-03	0.00000000E+00
187	0.00000000E+00	0.00000000E+00	-0.11997805	-0.68553487E-03	0.64804907E-03	0.00000000E+00
188	0.00000000E+00	0.00000000E+00	-0.13215332	-0.75753780E-03	0.59526940E-03	0.00000000E+00
189	0.00000000E+00	0.00000000E+00	-0.14340654	-0.82447027E-03	0.55452411E-03	0.00000000E+00
190	0.00000000E+00	0.00000000E+00	-0.15399935	-0.88787872E-03	0.52844250E-03	0.00000000E+00
191	0.00000000E+00	0.00000000E+00	-0.16424698	-0.94967267E-03	0.51991173E-03	0.00000000E+00
192	0.00000000E+00	0.00000000E+00	-0.17452597	-0.10121318E-02	0.53234584E-03	0.00000000E+00
193	0.00000000E+00	0.00000000E+00	-0.18528726	-0.10778833E-02	0.56998116E-03	0.00000000E+00
194	0.00000000E+00	0.00000000E+00	-0.19707585	-0.11498733E-02	0.63826174E-03	0.00000000E+00
195	0.00000000E+00	0.00000000E+00	-0.21055922	-0.12310394E-02	0.74430798E-03	0.00000000E+00
196	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.64784961E-07	0.11379117E-02	0.00000000E+00
197	0.00000000E+00	0.00000000E+00	-0.22210314E-01	-0.69014551E-04	0.11198728E-02	0.00000000E+00
198	0.00000000E+00	0.00000000E+00	-0.43752575E-01	-0.13658682E-03	0.10721761E-02	0.00000000E+00
199	0.00000000E+00	0.00000000E+00	-0.64162800E-01	-0.20141909E-03	0.10063201E-02	0.00000000E+00
200	0.00000000E+00	0.00000000E+00	-0.83176642E-01	-0.26258079E-03	0.93124004E-03	0.00000000E+00
201	0.00000000E+00	0.00000000E+00	-0.10068349	-0.31951542E-03	0.85376624E-03	0.00000000E+00
202	0.00000000E+00	0.00000000E+00	-0.11669000	-0.37205169E-03	0.77911180E-03	0.00000000E+00
203	0.00000000E+00	0.00000000E+00	-0.13129299	-0.42036233E-03	0.71134039E-03	0.00000000E+00
204	0.00000000E+00	0.00000000E+00	-0.14466115	-0.46491852E-03	0.65378716E-03	0.00000000E+00
205	0.00000000E+00	0.00000000E+00	-0.15702447	-0.50645575E-03	0.60943031E-03	0.00000000E+00
206	0.00000000E+00	0.00000000E+00	-0.16867053	-0.54596081E-03	0.58122115E-03	0.00000000E+00
207	0.00000000E+00	0.00000000E+00	-0.17994694	-0.58468276E-03	0.57238217E-03	0.00000000E+00
208	0.00000000E+00	0.00000000E+00	-0.19126939	-0.62416340E-03	0.58667585E-03	0.00000000E+00
209	0.00000000E+00	0.00000000E+00	-0.20313454	-0.66624239E-03	0.62864669E-03	0.00000000E+00
210	0.00000000E+00	0.00000000E+00	-0.21613761	-0.71301840E-03	0.70388595E-03	0.00000000E+00
211	0.00000000E+00	0.00000000E+00	-0.23099861	-0.76632995E-03	0.81968437E-03	0.00000000E+00
212	0.00000000E+00	0.00000000E+00	0.00000000E+00	-0.21472384E-07	0.11861832E-02	0.00000000E+00
213	0.00000000E+00	0.00000000E+00	-0.23153699E-01	-0.23214485E-04	0.11676292E-02	0.00000000E+00
214	0.00000000E+00	0.00000000E+00	-0.45619607E-01	-0.45957979E-04	0.11184562E-02	0.00000000E+00
215	0.00000000E+00	0.00000000E+00	-0.66916542E-01	-0.67804631E-04	0.10503467E-02	0.00000000E+00
216	0.00000000E+00	0.00000000E+00	-0.86767327E-01	-0.88446938E-04	0.97248988E-03	0.00000000E+00
217	0.00000000E+00	0.00000000E+00	-0.10505376	-0.10770006E-03	0.89198885E-03	0.00000000E+00
218	0.00000000E+00	0.00000000E+00	-0.12178014	-0.12550864E-03	0.81431337E-03	0.00000000E+00
219	0.00000000E+00	0.00000000E+00	-0.13704567	-0.14193626E-03	0.74375350E-03	0.00000000E+00
220	0.00000000E+00	0.00000000E+00	-0.15102558	-0.15715306E-03	0.68384338E-03	0.00000000E+00
221	0.00000000E+00	0.00000000E+00	-0.16396016	-0.17142781E-03	0.63774573E-03	0.00000000E+00
222	0.00000000E+00	0.00000000E+00	-0.17615089	-0.18512981E-03	0.60860123E-03	0.00000000E+00
223	0.00000000E+00	0.00000000E+00	-0.18796327	-0.19874621E-03	0.59985249E-03	0.00000000E+00
224	0.00000000E+00	0.00000000E+00	-0.19983573	-0.21293028E-03	0.61554510E-03	0.00000000E+00
225	0.00000000E+00	0.00000000E+00	-0.21229412	-0.22861954E-03	0.66055749E-03	0.00000000E+00
226	0.00000000E+00	0.00000000E+00	-0.22596926	-0.24730015E-03	0.74065097E-03	0.00000000E+00
227	0.00000000E+00	0.00000000E+00	-0.24161452	-0.27002985E-03	0.86312107E-03	0.00000000E+00
228	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.20849171E-07	0.11862155E-02	0.00000000E+00
229	0.00000000E+00	0.00000000E+00	-0.23154348E-01	0.23151702E-04	0.11676636E-02	0.00000000E+00
230	0.00000000E+00	0.00000000E+00	-0.45620986E-01	0.45824436E-04	0.11184969E-02	0.00000000E+00
231	0.00000000E+00	0.00000000E+00	-0.66918822E-01	0.67583891E-04	0.10503987E-02	0.00000000E+00
232	0.00000000E+00	0.00000000E+00	-0.86770789E-01	0.88111825E-04	0.97255945E-03	0.00000000E+00
233	0.00000000E+00	0.00000000E+00	-0.10505883	0.10720961E-03	0.89208440E-03	0.00000000E+00
234	0.00000000E+00	0.00000000E+00	-0.12178743	0.12480327E-03	0.81444640E-03	0.00000000E+00
235	0.00000000E+00	0.00000000E+00	-0.13705606	0.14093050E-03	0.74394022E-03	0.00000000E+00
236	0.00000000E+00	0.00000000E+00	-0.15104036	0.15572461E-03	0.68410721E-03	0.00000000E+00
237	0.00000000E+00	0.00000000E+00	-0.16398115	0.16940054E-03	0.63812171E-03	0.00000000E+00
238	0.00000000E+00	0.00000000E+00	-0.17618079	0.18224582E-03	0.60914395E-03	0.00000000E+00
239	0.00000000E+00	0.00000000E+00	-0.18800617	0.19461678E-03	0.60065123E-03	0.00000000E+00
240	0.00000000E+00	0.00000000E+00	-0.19989811	0.20693876E-03	0.61676737E-03	0.00000000E+00
241	0.00000000E+00	0.00000000E+00	-0.21238744	0.21970634E-03	0.66264736E-03	0.00000000E+00
242	0.00000000E+00	0.00000000E+00	-0.22611933	0.23348953E-03	0.74492367E-03	0.00000000E+00

243	0.00000000E+00	0.00000000E+00	-0.24187799	0.24887338E-03	0.86994559E-03	0.00000000E+00
244	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.64273585E-07	0.11380032E-02	0.00000000E+00
245	0.00000000E+00	0.00000000E+00	-0.22212148E-01	0.68962730E-04	0.11199700E-02	0.00000000E+00
246	0.00000000E+00	0.00000000E+00	-0.43756471E-01	0.13647665E-03	0.10722910E-02	0.00000000E+00
247	0.00000000E+00	0.00000000E+00	-0.64169239E-01	0.20123714E-03	0.10064668E-02	0.00000000E+00
248	0.00000000E+00	0.00000000E+00	-0.83186414E-01	0.26230497E-03	0.93143617E-03	0.00000000E+00
249	0.00000000E+00	0.00000000E+00	-0.10069779	0.31911266E-03	0.85403518E-03	0.00000000E+00
250	0.00000000E+00	0.00000000E+00	-0.11671055	0.37147443E-03	0.77948536E-03	0.00000000E+00
251	0.00000000E+00	0.00000000E+00	-0.13132225	0.41954359E-03	0.71186281E-03	0.00000000E+00
252	0.00000000E+00	0.00000000E+00	-0.14470263	0.46376514E-03	0.65452126E-03	0.00000000E+00
253	0.00000000E+00	0.00000000E+00	-0.15708317	0.50483944E-03	0.61046730E-03	0.00000000E+00
254	0.00000000E+00	0.00000000E+00	-0.16875365	0.54370718E-03	0.58269795E-03	0.00000000E+00
255	0.00000000E+00	0.00000000E+00	-0.18006507	0.58156119E-03	0.57451428E-03	0.00000000E+00
256	0.00000000E+00	0.00000000E+00	-0.19143856	0.61989772E-03	0.58981675E-03	0.00000000E+00
257	0.00000000E+00	0.00000000E+00	-0.20337979	0.66063843E-03	0.63333586E-03	0.00000000E+00
258	0.00000000E+00	0.00000000E+00	-0.21649654	0.70640991E-03	0.71069010E-03	0.00000000E+00
259	0.00000000E+00	0.00000000E+00	-0.23151651	0.75944670E-03	0.82905105E-03	0.00000000E+00
260	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.11123010E-06	0.10427095E-02	0.00000000E+00
261	0.00000000E+00	0.00000000E+00	-0.20350034E-01	0.11306762E-03	0.10257363E-02	0.00000000E+00
262	0.00000000E+00	0.00000000E+00	-0.40072798E-01	0.22365232E-03	0.98108631E-03	0.00000000E+00
263	0.00000000E+00	0.00000000E+00	-0.58739604E-01	0.32954867E-03	0.91986291E-03	0.00000000E+00
264	0.00000000E+00	0.00000000E+00	-0.76112158E-01	0.42921413E-03	0.85047252E-03	0.00000000E+00
265	0.00000000E+00	0.00000000E+00	-0.92095198E-01	0.52175880E-03	0.77919840E-03	0.00000000E+00
266	0.00000000E+00	0.00000000E+00	-0.10670043	0.60693546E-03	0.71075993E-03	0.00000000E+00
267	0.00000000E+00	0.00000000E+00	-0.12002079	0.68504868E-03	0.64880450E-03	0.00000000E+00
268	0.00000000E+00	0.00000000E+00	-0.13221365	0.75686673E-03	0.59632061E-03	0.00000000E+00
269	0.00000000E+00	0.00000000E+00	-0.14349134	0.82355916E-03	0.55598697E-03	0.00000000E+00
270	0.00000000E+00	0.00000000E+00	-0.15411820	0.88667060E-03	0.53047691E-03	0.00000000E+00
271	0.00000000E+00	0.00000000E+00	-0.16441316	0.94813207E-03	0.52273435E-03	0.00000000E+00
272	0.00000000E+00	0.00000000E+00	-0.17475764	0.10103026E-02	0.53622955E-03	0.00000000E+00
273	0.00000000E+00	0.00000000E+00	-0.18560816	0.10759879E-02	0.57520243E-03	0.00000000E+00
274	0.00000000E+00	0.00000000E+00	-0.19751388	0.11484268E-02	0.64494402E-03	0.00000000E+00
275	0.00000000E+00	0.00000000E+00	-0.21114312	0.12306552E-02	0.75248137E-03	0.00000000E+00
276	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.16480118E-06	0.90272896E-03	0.00000000E+00
277	0.00000000E+00	0.00000000E+00	-0.17615224E-01	0.15422073E-03	0.88741131E-03	0.00000000E+00
278	0.00000000E+00	0.00000000E+00	-0.34666288E-01	0.30480596E-03	0.84745892E-03	0.00000000E+00
279	0.00000000E+00	0.00000000E+00	-0.50777973E-01	0.44860539E-03	0.79329007E-03	0.00000000E+00
280	0.00000000E+00	0.00000000E+00	-0.65749802E-01	0.58352497E-03	0.73243869E-03	0.00000000E+00
281	0.00000000E+00	0.00000000E+00	-0.79507142E-01	0.70844665E-03	0.67033364E-03	0.00000000E+00
282	0.00000000E+00	0.00000000E+00	-0.92066615E-01	0.82314987E-03	0.61095682E-03	0.00000000E+00
283	0.00000000E+00	0.00000000E+00	-0.10351292	0.92814446E-03	0.55734836E-03	0.00000000E+00
284	0.00000000E+00	0.00000000E+00	-0.11398428	0.10245339E-02	0.51199042E-03	0.00000000E+00
285	0.00000000E+00	0.00000000E+00	-0.12366465	0.11139260E-02	0.47711211E-03	0.00000000E+00
286	0.00000000E+00	0.00000000E+00	-0.13278130	0.11983944E-02	0.45494880E-03	0.00000000E+00
287	0.00000000E+00	0.00000000E+00	-0.14160730	0.12804830E-02	0.44798148E-03	0.00000000E+00
288	0.00000000E+00	0.00000000E+00	-0.15046876	0.13632363E-02	0.45918203E-03	0.00000000E+00
289	0.00000000E+00	0.00000000E+00	-0.15975710	0.14502073E-02	0.49230673E-03	0.00000000E+00
290	0.00000000E+00	0.00000000E+00	-0.16994828	0.15454760E-02	0.55231056E-03	0.00000000E+00
291	0.00000000E+00	0.00000000E+00	-0.18163145	0.16532085E-02	0.64586909E-03	0.00000000E+00
292	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.23318538E-06	0.72182605E-03	0.00000000E+00
293	0.00000000E+00	0.00000000E+00	-0.14082008E-01	0.19098916E-03	0.70885549E-03	0.00000000E+00
294	0.00000000E+00	0.00000000E+00	-0.27688749E-01	0.37699745E-03	0.67547780E-03	0.00000000E+00
295	0.00000000E+00	0.00000000E+00	-0.40517651E-01	0.55389849E-03	0.63098916E-03	0.00000000E+00
296	0.00000000E+00	0.00000000E+00	-0.52416408E-01	0.71917918E-03	0.58162088E-03	0.00000000E+00
297	0.00000000E+00	0.00000000E+00	-0.63334052E-01	0.87165688E-03	0.53164287E-03	0.00000000E+00
298	0.00000000E+00	0.00000000E+00	-0.73290341E-01	0.10112590E-02	0.48410656E-03	0.00000000E+00
299	0.00000000E+00	0.00000000E+00	-0.82356883E-01	0.11387596E-02	0.44131967E-03	0.00000000E+00
300	0.00000000E+00	0.00000000E+00	-0.90645897E-01	0.12555990E-02	0.40516723E-03	0.00000000E+00
301	0.00000000E+00	0.00000000E+00	-0.98304390E-01	0.13637775E-02	0.37735257E-03	0.00000000E+00
302	0.00000000E+00	0.00000000E+00	-0.10551263	0.14658140E-02	0.35960088E-03	0.00000000E+00
303	0.00000000E+00	0.00000000E+00	-0.11248649	0.15647565E-02	0.35385574E-03	0.00000000E+00
304	0.00000000E+00	0.00000000E+00	-0.11948382	0.16642369E-02	0.36250279E-03	0.00000000E+00
305	0.00000000E+00	0.00000000E+00	-0.12681590	0.17685388E-02	0.38866563E-03	0.00000000E+00
306	0.00000000E+00	0.00000000E+00	-0.13486620	0.18827746E-02	0.43667428E-03	0.00000000E+00
307	0.00000000E+00	0.00000000E+00	-0.14411870	0.20123233E-02	0.51252908E-03	0.00000000E+00
308	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.31680063E-06	0.50540367E-03	0.00000000E+00
309	0.00000000E+00	0.00000000E+00	-0.98571054E-02	0.22158102E-03	0.49563726E-03	0.00000000E+00
310	0.00000000E+00	0.00000000E+00	-0.19358635E-01	0.43654770E-03	0.47100466E-03	0.00000000E+00
311	0.00000000E+00	0.00000000E+00	-0.28293678E-01	0.63985864E-03	0.43896646E-03	0.00000000E+00
312	0.00000000E+00	0.00000000E+00	-0.36564274E-01	0.82887646E-03	0.40393871E-03	0.00000000E+00
313	0.00000000E+00	0.00000000E+00	-0.44142025E-01	0.10025798E-02	0.36878759E-03	0.00000000E+00
314	0.00000000E+00	0.00000000E+00	-0.51045491E-01	0.11611602E-02	0.33552631E-03	0.00000000E+00

315	0.00000000E+00	0.00000000E+00	-0.57327381E-01	0.13056848E-02	0.30567624E-03	0.00000000E+00
316	0.00000000E+00	0.00000000E+00	-0.63067242E-01	0.14379010E-02	0.28048792E-03	0.00000000E+00
317	0.00000000E+00	0.00000000E+00	-0.68367802E-01	0.15601318E-02	0.26110271E-03	0.00000000E+00
318	0.00000000E+00	0.00000000E+00	-0.73354214E-01	0.16752437E-02	0.24869171E-03	0.00000000E+00
319	0.00000000E+00	0.00000000E+00	-0.78175997E-01	0.17866757E-02	0.24459630E-03	0.00000000E+00
320	0.00000000E+00	0.00000000E+00	-0.83011958E-01	0.18985286E-02	0.25049672E-03	0.00000000E+00
321	0.00000000E+00	0.00000000E+00	-0.88079040E-01	0.20157241E-02	0.26864977E-03	0.00000000E+00
322	0.00000000E+00	0.00000000E+00	-0.93647182E-01	0.21444199E-02	0.30239879E-03	0.00000000E+00
323	0.00000000E+00	0.00000000E+00	-0.10006812	0.22911272E-02	0.35662484E-03	0.00000000E+00
324	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.55310864E-06	0.26102204E-03	0.00000000E+00
325	0.00000000E+00	0.00000000E+00	-0.50900401E-02	0.24347263E-03	0.25557110E-03	0.00000000E+00
326	0.00000000E+00	0.00000000E+00	-0.99824580E-02	0.47831060E-03	0.24217935E-03	0.00000000E+00
327	0.00000000E+00	0.00000000E+00	-0.14571944E-01	0.69905151E-03	0.22526996E-03	0.00000000E+00
328	0.00000000E+00	0.00000000E+00	-0.18813247E-01	0.90335702E-03	0.20702987E-03	0.00000000E+00
329	0.00000000E+00	0.00000000E+00	-0.22695043E-01	0.10905258E-02	0.18885331E-03	0.00000000E+00
330	0.00000000E+00	0.00000000E+00	-0.26228825E-01	0.12610306E-02	0.17172058E-03	0.00000000E+00
331	0.00000000E+00	0.00000000E+00	-0.29442751E-01	0.14161823E-02	0.15637800E-03	0.00000000E+00
332	0.00000000E+00	0.00000000E+00	-0.32378188E-01	0.15579510E-02	0.14344450E-03	0.00000000E+00
333	0.00000000E+00	0.00000000E+00	-0.35088022E-01	0.16888767E-02	0.13349056E-03	0.00000000E+00
334	0.00000000E+00	0.00000000E+00	-0.37636395E-01	0.18120521E-02	0.12710807E-03	0.00000000E+00
335	0.00000000E+00	0.00000000E+00	-0.40099857E-01	0.19311722E-02	0.12498666E-03	0.00000000E+00
336	0.00000000E+00	0.00000000E+00	-0.42570065E-01	0.20506542E-02	0.12800138E-03	0.00000000E+00
337	0.00000000E+00	0.00000000E+00	-0.45159333E-01	0.21758854E-02	0.13740108E-03	0.00000000E+00
338	0.00000000E+00	0.00000000E+00	-0.48004910E-01	0.23134731E-02	0.15449790E-03	0.00000000E+00
339	0.00000000E+00	0.00000000E+00	-0.51300446E-01	0.24715877E-02	0.18345384E-03	0.00000000E+00
340	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.71149705E-06	0.31431560E-06	0.00000000E+00
341	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.25184631E-03	0.19610220E-06	0.00000000E+00
342	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.49396367E-03	0.20521754E-08	0.00000000E+00
343	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.72087100E-03	-0.63063862E-07	0.00000000E+00
344	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.93048223E-03	-0.10811731E-06	0.00000000E+00
345	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.11222774E-02	-0.13810007E-06	0.00000000E+00
346	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.12968547E-02	-0.16048779E-06	0.00000000E+00
347	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.14556218E-02	-0.17921119E-06	0.00000000E+00
348	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.16006310E-02	-0.19752723E-06	0.00000000E+00
349	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.17344997E-02	-0.21830817E-06	0.00000000E+00
350	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.18603995E-02	-0.24602291E-06	0.00000000E+00
351	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.19821156E-02	-0.27875284E-06	0.00000000E+00
352	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.21041942E-02	-0.36818462E-06	0.00000000E+00
353	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.22321694E-02	-0.22993030E-06	0.00000000E+00
354	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.23731468E-02	-0.17404839E-05	0.00000000E+00
355	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.25362914E-02	0.70670626E-05	0.00000000E+00

MAXIMUMS

| NODE | 0 | 0 | 243 | 355 | 228 | 0 |
| VALUE | 0.00000000E+00 | 0.00000000E+00 | -0.24187799 | 0.25362914E-02 | 0.11862155E-02 | 0.00000000E+00 |

ELEM=	1	FX	FY	FZ	MX	MY	MZ
	100	0.00000000E+00	0.00000000E+00	8712.3349	0.10080825E-12	0.55955240E-11	0.00000000E+00
	101	0.00000000E+00	0.00000000E+00	-9084.2598	767.09751	145.08756	0.00000000E+00
	117	0.00000000E+00	0.00000000E+00	9052.3625	-4540.4678	3647.8355	0.00000000E+00
	116	0.00000000E+00	0.00000000E+00	-9096.9389	434.41594	-336.39687	0.00000000E+00
ELEM=	2	FX	FY	FZ	MX	MY	MZ
	101	0.00000000E+00	0.00000000E+00	8066.0461	-767.09751	-145.08756	0.00000000E+00
	102	0.00000000E+00	0.00000000E+00	-8945.4621	627.05673	349.06843	0.00000000E+00
	118	0.00000000E+00	0.00000000E+00	8840.4256	-8609.3154	5937.5725	0.00000000E+00
	117	0.00000000E+00	0.00000000E+00	-8377.5108	-4942.4178	-4118.5572	0.00000000E+00
ELEM=	3	FX	FY	FZ	MX	MY	MZ
	102	0.00000000E+00	0.00000000E+00	7361.2420	-627.05673	-349.06843	0.00000000E+00
	103	0.00000000E+00	0.00000000E+00	-8570.3595	563.73281	674.96829	0.00000000E+00
	119	0.00000000E+00	0.00000000E+00	8438.5193	-11721.951	7217.9722	0.00000000E+00
	118	0.00000000E+00	0.00000000E+00	-7645.9032	-8632.4084	-6046.2264	0.00000000E+00
ELEM=	4	FX	FY	FZ	MX	MY	MZ
	103	0.00000000E+00	0.00000000E+00	6610.3072	-563.73281	-674.96829	0.00000000E+00
	104	0.00000000E+00	0.00000000E+00	-8095.2403	503.70453	1021.9607	0.00000000E+00
	120	0.00000000E+00	0.00000000E+00	7942.8396	-14296.391	7858.1985	0.00000000E+00
	119	0.00000000E+00	0.00000000E+00	-6874.4079	-11687.902	-7110.5318	0.00000000E+00
ELEM=	5	FX	FY	FZ	MX	MY	MZ
	104	0.00000000E+00	0.00000000E+00	5865.6946	-503.70453	-1021.9607	0.00000000E+00
	105	0.00000000E+00	0.00000000E+00	-7579.6824	454.52001	1379.6547	0.00000000E+00
	121	0.00000000E+00	0.00000000E+00	7412.4525	-16454.164	8072.9426	0.00000000E+00
	120	0.00000000E+00	0.00000000E+00	-6114.9661	-14213.688	-7626.6281	0.00000000E+00
ELEM=	6	FX	FY	FZ	MX	MY	MZ
	105	0.00000000E+00	0.00000000E+00	5159.8524	-454.52001	-1379.6547	0.00000000E+00
	106	0.00000000E+00	0.00000000E+00	-7067.3098	413.04770	1740.2018	0.00000000E+00
	122	0.00000000E+00	0.00000000E+00	6888.4791	-18281.800	7975.3844	0.00000000E+00
	121	0.00000000E+00	0.00000000E+00	-5397.5231	-16340.543	-7759.3007	0.00000000E+00
ELEM=	7	FX	FY	FZ	MX	MY	MZ
	106	0.00000000E+00	0.00000000E+00	4517.5916	-413.04770	-1740.2018	0.00000000E+00
	107	0.00000000E+00	0.00000000E+00	-6589.4792	378.79492	2101.6371	0.00000000E+00
	123	0.00000000E+00	0.00000000E+00	6401.2010	-19839.061	7632.6462	0.00000000E+00
	122	0.00000000E+00	0.00000000E+00	-4745.8147	-18144.878	-7602.6216	0.00000000E+00
ELEM=	8	FX	FY	FZ	MX	MY	MZ
	107	0.00000000E+00	0.00000000E+00	3958.7218	-378.79492	-2101.6371	0.00000000E+00
	108	0.00000000E+00	0.00000000E+00	-6170.9921	351.93230	2465.5425	0.00000000E+00
	124	0.00000000E+00	0.00000000E+00	5974.6604	-21172.402	7081.4115	0.00000000E+00
	123	0.00000000E+00	0.00000000E+00	-4178.8914	-19682.736	-7211.7052	0.00000000E+00
ELEM=	9	FX	FY	FZ	MX	MY	MZ
	108	0.00000000E+00	0.00000000E+00	3500.7661	-351.93230	-2465.5425	0.00000000E+00
	109	0.00000000E+00	0.00000000E+00	-5833.3490	333.35001	2836.8384	0.00000000E+00
	125	0.00000000E+00	0.00000000E+00	5629.7797	-22320.506	6334.8887	0.00000000E+00
	124	0.00000000E+00	0.00000000E+00	-3713.6981	-20997.290	-6614.4307	0.00000000E+00
ELEM=	10	FX	FY	FZ	MX	MY	MZ
	109	0.00000000E+00	0.00000000E+00	3161.1295	-333.35001	-2836.8384	0.00000000E+00
	110	0.00000000E+00	0.00000000E+00	-5597.3604	325.04447	3225.3795	0.00000000E+00
	126	0.00000000E+00	0.00000000E+00	5386.9306	-23318.274	5384.7215	0.00000000E+00
	125	0.00000000E+00	0.00000000E+00	-3367.2010	-22124.218	-5815.9732	0.00000000E+00
ELEM=	11	FX	FY	FZ	MX	MY	MZ
	110	0.00000000E+00	0.00000000E+00	2959.8130	-325.04447	-3225.3795	0.00000000E+00
	111	0.00000000E+00	0.00000000E+00	-5486.2352	329.48296	3640.1000	0.00000000E+00
	127	0.00000000E+00	0.00000000E+00	5268.4284	-24200.471	4198.0280	0.00000000E+00
	126	0.00000000E+00	0.00000000E+00	-3158.5076	-23094.667	-4800.0483	0.00000000E+00
ELEM=	12	FX	FY	FZ	MX	MY	MZ
	111	0.00000000E+00	0.00000000E+00	2919.0176	-329.48296	-3640.1000	0.00000000E+00
	112	0.00000000E+00	0.00000000E+00	-5525.2459	361.38173	4140.0613	0.00000000E+00
	128	0.00000000E+00	0.00000000E+00	5301.5092	-25010.296	2716.4317	0.00000000E+00
	127	0.00000000E+00	0.00000000E+00	-3111.7821	-23940.348	-3519.9207	0.00000000E+00

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ELEM=	13	FX	FY	FZ	MX	MY	MZ
	112	0.00000000E+00	0.00000000E+00	3086.3954	-361.38173	-4140.0613	0.00000000E+00
	113	0.00000000E+00	0.00000000E+00	-5769.5568	373.47034	4518.2745	0.00000000E+00
	129	0.00000000E+00	0.00000000E+00	5523.8843	-25811.157	814.24269	0.00000000E+00
	128	0.00000000E+00	0.00000000E+00	-3257.2242	-24689.112	-1925.9254	0.00000000E+00

ELEM=	14	FX	FY	FZ	MX	MY	MZ
	113	0.00000000E+00	0.00000000E+00	3410.9206	-373.47034	-4518.2745	0.00000000E+00
	114	0.00000000E+00	0.00000000E+00	-6155.7694	753.67797	6357.0773	0.00000000E+00
	130	0.00000000E+00	0.00000000E+00	5983.7815	-26671.532	-1411.2696	0.00000000E+00
	129	0.00000000E+00	0.00000000E+00	-3655.4340	-25455.278	283.21705	0.00000000E+00

ELEM=	15	FX	FY	FZ	MX	MY	MZ
	114	0.00000000E+00	0.00000000E+00	4568.6356	-753.67797	-6357.0773	0.00000000E+00
	115	0.00000000E+00	0.00000000E+00	-7459.1828	-0.12099965E-09	0.10593482E-09	0.00000000E+00
	131	0.00000000E+00	0.00000000E+00	6766.4023	-28217.180	-5227.7159	0.00000000E+00
	130	0.00000000E+00	0.00000000E+00	-4292.3564	-25747.992	2088.0078	0.00000000E+00

ELEM=	16	FX	FY	FZ	MX	MY	MZ
	116	0.00000000E+00	0.00000000E+00	7918.6234	-434.41594	336.39687	0.00000000E+00
	117	0.00000000E+00	0.00000000E+00	-8224.0160	5819.9331	4340.6330	0.00000000E+00
	133	0.00000000E+00	0.00000000E+00	8590.6749	-8150.7329	6847.2434	0.00000000E+00
	132	0.00000000E+00	0.00000000E+00	-8701.7837	783.52040	-256.04480	0.00000000E+00

ELEM=	17	FX	FY	FZ	MX	MY	MZ
	117	0.00000000E+00	0.00000000E+00	7549.1643	3662.9525	-3869.9113	0.00000000E+00
	118	0.00000000E+00	0.00000000E+00	-8202.9615	9708.3323	6570.1748	0.00000000E+00
	134	0.00000000E+00	0.00000000E+00	8339.6106	-15130.520	11307.975	0.00000000E+00
	133	0.00000000E+00	0.00000000E+00	-8102.3148	-7329.9135	-7248.2023	0.00000000E+00

ELEM=	18	FX	FY	FZ	MX	MY	MZ
	118	0.00000000E+00	0.00000000E+00	7008.4391	7533.3914	-6461.5209	0.00000000E+00
	119	0.00000000E+00	0.00000000E+00	-7930.3763	12757.817	8137.2250	0.00000000E+00
	135	0.00000000E+00	0.00000000E+00	7939.3611	-20862.637	14066.226	0.00000000E+00
	134	0.00000000E+00	0.00000000E+00	-7433.9252	-13987.779	-11484.115	0.00000000E+00

ELEM=	19	FX	FY	FZ	MX	MY	MZ
	119	0.00000000E+00	0.00000000E+00	6366.2649	10652.036	-8244.6654	0.00000000E+00
	120	0.00000000E+00	0.00000000E+00	-7530.8578	15240.030	9272.6634	0.00000000E+00
	136	0.00000000E+00	0.00000000E+00	7457.3009	-25696.254	15661.759	0.00000000E+00
	135	0.00000000E+00	0.00000000E+00	-6709.2093	-19705.194	-14049.760	0.00000000E+00

ELEM=	20	FX	FY	FZ	MX	MY	MZ
	120	0.00000000E+00	0.00000000E+00	5702.9843	13270.049	-9504.2338	0.00000000E+00
	121	0.00000000E+00	0.00000000E+00	-7075.8892	17313.724	10070.904	0.00000000E+00
	137	0.00000000E+00	0.00000000E+00	6943.4959	-29794.062	16438.690	0.00000000C+00
	136	0.00000000E+00	0.00000000E+00	-5987.0923	-24548.657	-15518.557	0.00000000E+00

ELEM=	21	FX	FY	FZ	MX	MY	MZ
	121	0.00000000E+00	0.00000000E+00	5060.9597	15480.984	-10384.546	0.00000000E+00
	122	0.00000000E+00	0.00000000E+00	-6613.1784	19066.322	10600.792	0.00000000E+00
	138	0.00000000E+00	0.00000000E+00	6436.0694	-33288.399	16604.724	0.00000000E+00
	137	0.00000000E+00	0.00000000E+00	-5300.3522	-28675.852	-16210.592	0.00000000E+00

ELEM=	22	FX	FY	FZ	MX	MY	MZ
	122	0.00000000E+00	0.00000000E+00	4470.5140	17360.356	-10973.554	0.00000000E+00
	123	0.00000000E+00	0.00000000E+00	-6176.9507	20559.667	10907.294	0.00000000E+00
	139	0.00000000E+00	0.00000000E+00	5963.8208	-36280.260	16287.252	0.00000000E+00
	138	0.00000000E+00	0.00000000E+00	-4673.8854	-32202.758	-16316.626	0.00000000E+00

ELEM=	23	FX	FY	FZ	MX	MY	MZ
	123	0.00000000E+00	0.00000000E+00	3954.6411	18962.131	-11328.235	0.00000000E+00
	124	0.00000000E+00	0.00000000E+00	-5793.8337	21841.782	11018.348	0.00000000E+00
	140	0.00000000E+00	0.00000000E+00	5549.7012	-38852.877	15558.895	0.00000000E+00
	139	0.00000000E+00	0.00000000E+00	-4127.0100	-35222.250	-15952.293	0.00000000E+00

ELEM=	24	FX	FY	FZ	MX	MY	MZ
	124	0.00000000E+00	0.00000000E+00	3532.8714	20327.911	-11485.329	0.00000000E+00
	125	0.00000000E+00	0.00000000E+00	-5486.5764	22953.580	10947.451	0.00000000E+00
	141	0.00000000E+00	0.00000000E+00	5213.5330	-41078.700	14449.591	0.00000000E+00
	140	0.00000000E+00	0.00000000E+00	-3676.3293	-37810.059	-15181.651	0.00000000E+00

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ELEM=    25    FX                 FY                 FZ              MX              MY              MZ
       125    0.00000000E+00   0.00000000E+00     3223.9977      21491.144      -11466.366      0.00000000E+00
       126    0.00000000E+00   0.00000000E+00    -5276.9362      23933.028       10694.232      0.00000000E+00
       142    0.00000000E+00   0.00000000E+00     4974.3505     -43025.177       12950.773      0.00000000E+00
       141    0.00000000E+00   0.00000000E+00    -3337.9134     -40030.626      -14027.605      0.00000000E+00

ELEM=    26    FX                 FY                 FZ              MX              MY              MZ
       126    0.00000000E+00   0.00000000E+00     3048.5131      22479.913      -11278.905      0.00000000E+00
       127    0.00000000E+00   0.00000000E+00    -5188.1250      24820.861       10242.353      0.00000000E+00
       143    0.00000000E+00   0.00000000E+00     4852.4524     -44759.578       11014.170      0.00000000E+00
       142    0.00000000E+00   0.00000000E+00    -3129.3418     -41940.965      -12475.088      0.00000000E+00

ELEM=    27    FX                 FY                 FZ              MX              MY              MZ
       127    0.00000000E+00   0.00000000E+00     3031.4787      23319.957      -10920.460      0.00000000E+00
       128    0.00000000E+00   0.00000000E+00    -5248.2571      25661.240       9555.9800      0.00000000E+00
       144    0.00000000E+00   0.00000000E+00     4872.1411     -46360.104       8542.9383      0.00000000E+00
       143    0.00000000E+00   0.00000000E+00    -3071.8641     -43595.058      -10468.618      0.00000000E+00

ELEM=    28    FX                 FY                 FZ              MX              MY              MZ
       128    0.00000000E+00   0.00000000E+00     3203.9720      24038.168      -10346.486      0.00000000E+00
       129    0.00000000E+00   0.00000000E+00    -5486.9128      26563.322       8567.3784      0.00000000E+00
       145    0.00000000E+00   0.00000000E+00     5059.1211     -47888.809       5379.8175      0.00000000E+00
       144    0.00000000E+00   0.00000000E+00    -3192.6817     -45036.360      -7903.7142      0.00000000E+00

ELEM=    29    FX                 FY                 FZ              MX              MY              MZ
       129    0.00000000E+00   0.00000000E+00     3618.4626      24703.113      -9664.8381      0.00000000E+00
       130    0.00000000E+00   0.00000000E+00    -5968.6471      27472.976       7306.4744      0.00000000E+00
       146    0.00000000E+00   0.00000000E+00     5463.4757     -49526.447       1129.4453      0.00000000E+00
       145    0.00000000E+00   0.00000000E+00    -3529.7925     -46345.092      -4590.7271      0.00000000E+00

ELEM=    30    FX                 FY                 FZ              MX              MY              MZ
       130    0.00000000E+00   0.00000000E+00     4277.2220      24946.548      -7983.2125      0.00000000E+00
       131    0.00000000E+00   0.00000000E+00    -6766.4023      28217.180       5227.7159      0.00000000E+00
       147    0.00000000E+00   0.00000000E+00     6188.6336     -52046.282      -4324.6463      0.00000000E+00
       146    0.00000000E+00   0.00000000E+00    -4115.9546     -47648.411      -162.40988      0.00000000E+00

ELEM=    31    FX                 FY                 FZ              MX              MY              MZ
       132    0.00000000E+00   0.00000000E+00     6829.8824     -783.52040       256.04480      0.00000000E+00
       133    0.00000000E+00   0.00000000E+00    -7111.5662      8995.2948       7226.7697      0.00000000E+00
       149    0.00000000E+00   0.00000000E+00     7738.6217     -10670.249       9080.4696      0.00000000E+00
       148    0.00000000E+00   0.00000000E+00    -7873.4392      960.44028      -191.28333      0.00000000E+00

ELEM=    32    FX                 FY                 FZ              MX              MY              MZ
       133    0.00000000E+00   0.00000000E+00     6623.2060      6485.3516      -6825.8107      0.00000000E+00
       134    0.00000000E+00   0.00000000E+00    -7150.0293      15944.077       11622.507      0.00000000E+00
       150    0.00000000E+00   0.00000000E+00     7489.0960     -19834.410       15342.967      0.00000000E+00
       149    0.00000000E+00   0.00000000E+00    -7378.7740     -9093.9010      -9412.2434      0.00000000E+00

ELEM=    33    FX                 FY                 FZ              MX              MY              MZ
       134    0.00000000E+00   0.00000000E+00     6244.3439      13174.221      -11446.367      0.00000000E+00
       135    0.00000000E+00   0.00000000E+00    -6972.6240      21702.346       14527.005      0.00000000E+00
       151    0.00000000E+00   0.00000000E+00     7120.5595     -27651.726       19434.764      0.00000000E+00
       150    0.00000000E+00   0.00000000E+00    -6808.7808     -17833.442      -15534.153      0.00000000E+00

ELEM=    34    FX                 FY                 FZ              MX              MY              MZ
       135    0.00000000E+00   0.00000000E+00     5742.4722      18865.485      -14543.472      0.00000000E+00
       136    0.00000000E+00   0.00000000E+00    -6664.7653      26503.111       16478.923      0.00000000E+00
       152    0.00000000E+00   0.00000000E+00     6681.3872     -34366.087       21942.170      0.00000000E+00
       151    0.00000000E+00   0.00000000E+00    -6175.5955     -25568.974      -19470.118      0.00000000E+00

ELEM=    35    FX                 FY                 FZ              MX              MY              MZ
       136    0.00000000E+00   0.00000000E+00     5194.5566      23741.800      -16622.125      0.00000000E+00
       137    0.00000000E+00   0.00000000E+00    -6291.4821      30552.953       17733.658      0.00000000E+00
       153    0.00000000E+00   0.00000000E+00     6212.7436     -40130.731       23281.881      0.00000000E+00
       152    0.00000000E+00   0.00000000E+00    -5532.3194     -32292.988      -21854.976      0.00000000E+00

ELEM=    36    FX                 FY                 FZ              MX              MY              MZ
       137    0.00000000E+00   0.00000000E+00     4648.3384      27916.962      -17961.756      0.00000000E+00
       138    0.00000000E+00   0.00000000E+00    -5900.0841      33995.118       18445.721      0.00000000E+00
       154    0.00000000E+00   0.00000000E+00     5748.5044     -45086.923       23732.218      0.00000000E+00
       153    0.00000000E+00   0.00000000E+00    -4913.2601     -38112.454      -23105.430      0.00000000E+00
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ELEM=	37	FX	FY	FZ	MX	MY	MZ
	138	0.00000000E+00	0.00000000E+00	4137.9000	31496.039	-18733.819	0.00000000E+00
	139	0.00000000E+00	0.00000000E+00	-5525.4481	36938.100	18712.560	0.00000000E+00
	155	0.00000000E+00	0.00000000E+00	5315.2226	-49355.645	23473.338	0.00000000E+00
	154	0.00000000E+00	0.00000000E+00	-4344.1758	-43136.161	-23490.786	0.00000000E+00
ELEM=	38	FX	FY	FZ	MX	MY	MZ
	139	0.00000000E+00	0.00000000E+00	3688.6373	34564.411	-19047.520	0.00000000E+00
	140	0.00000000E+00	0.00000000E+00	-5194.7739	39469.594	18592.599	0.00000000E+00
	156	0.00000000E+00	0.00000000E+00	4934.2668	-53044.062	22612.221	0.00000000E+00
	155	0.00000000E+00	0.00000000E+00	-3844.6316	-47466.814	-23181.526	0.00000000E+00
ELEM=	39	FX	FY	FZ	MX	MY	MZ
	140	0.00000000E+00	0.00000000E+00	3321.4020	37193.342	-18969.844	0.00000000E+00
	141	0.00000000E+00	0.00000000E+00	-4931.0359	41665.520	18112.475	0.00000000E+00
	157	0.00000000E+00	0.00000000E+00	4623.9646	-56250.040	21197.033	0.00000000E+00
	156	0.00000000E+00	0.00000000E+00	-3430.8320	-51197.041	-22276.549	0.00000000E+00
ELEM=	40	FX	FY	FZ	MX	MY	MZ
	141	0.00000000E+00	0.00000000E+00	3055.4164	39443.806	-18534.461	0.00000000E+00
	142	0.00000000E+00	0.00000000E+00	-4755.6884	43596.408	17268.914	0.00000000E+00
	158	0.00000000E+00	0.00000000E+00	4401.5399	-59066.753	19223.374	0.00000000E+00
	157	0.00000000E+00	0.00000000E+00	-3117.7692	-54410.698	-20817.424	0.00000000E+00
ELEM=	41	FX	FY	FZ	MX	MY	MZ
	142	0.00000000E+00	0.00000000E+00	2910.6797	41369.733	-17744.599	0.00000000E+00
	143	0.00000000E+00	0.00000000E+00	-4690.9565	45333.852	16026.597	0.00000000E+00
	159	0.00000000E+00	0.00000000E+00	4284.8153	-61588.116	16633.554	0.00000000E+00
	158	0.00000000E+00	0.00000000E+00	-2921.0398	-57184.803	-18794.208	0.00000000E+00
ELEM=	42	FX	FY	FZ	MX	MY	MZ
	143	0.00000000E+00	0.00000000E+00	2910.3682	43020.784	-16572.150	0.00000000E+00
	144	0.00000000E+00	0.00000000E+00	-4762.3247	46956.964	14310.190	0.00000000E+00
	160	0.00000000E+00	0.00000000E+00	4293.9216	-63917.156	13307.136	0.00000000E+00
	159	0.00000000E+00	0.00000000E+00	-2858.4664	-59592.191	-16144.165	0.00000000E+00
ELEM=	43	FX	FY	FZ	MX	MY	MZ
	144	0.00000000E+00	0.00000000E+00	3082.8653	44439.500	-14949.414	0.00000000E+00
	145	0.00000000E+00	0.00000000E+00	-5002.3253	48557.127	11990.017	0.00000000E+00
	161	0.00000000E+00	0.00000000E+00	4454.5401	-66197.844	9046.4362	0.00000000E+00
	160	0.00000000E+00	0.00000000E+00	-2951.5814	-61707.454	-12741.915	0.00000000E+00
ELEM=	44	FX	FY	FZ	MX	MY	MZ
	145	0.00000000E+00	0.00000000E+00	3472.9967	45676.774	-12779.108	0.00000000E+00
	146	0.00000000E+00	0.00000000E+00	-5449.9717	50385.474	8750.5793	0.00000000E+00
	162	0.00000000E+00	0.00000000E+00	4787.7336	-68553.955	3532.2642	0.00000000E+00
	161	0.00000000E+00	0.00000000E+00	-3227.2600	-63590.268	-8401.8890	0.00000000E+00
ELEM=	45	FX	FY	FZ	MX	MY	MZ
	146	0.00000000E+00	0.00000000E+00	4102.4506	46789.383	-9717.6147	0.00000000E+00
	147	0.00000000E+00	0.00000000E+00	-6188.6336	52046.282	4324.6463	0.00000000E+00
	163	0.00000000E+00	0.00000000E+00	5380.2991	-71697.085	-3579.6609	0.00000000E+00
	162	0.00000000E+00	0.00000000E+00	-3710.6174	-65448.401	-2789.0145	0.00000000E+00
ELEM=	46	FX	FY	FZ	MX	MY	MZ
	148	0.00000000E+00	0.00000000E+00	5526.6560	-960.44028	191.28333	0.00000000E+00
	149	0.00000000E+00	0.00000000E+00	-5788.0736	11251.897	9354.3523	0.00000000E+00
	165	0.00000000E+00	0.00000000E+00	6606.1484	-12464.813	10709.049	0.00000000E+00
	164	0.00000000E+00	0.00000000E+00	-6761.2321	1088.7510	-138.70487	0.00000000E+00
ELEM=	47	FX	FY	FZ	MX	MY	MZ
	149	0.00000000E+00	0.00000000E+00	5428.2259	8512.2534	-9022.5785	0.00000000E+00
	150	0.00000000E+00	0.00000000E+00	-5867.4021	20410.379	15544.814	0.00000000E+00
	166	0.00000000E+00	0.00000000E+00	6368.7572	-23232.310	18345.434	0.00000000E+00
	165	0.00000000E+00	0.00000000E+00	-6346.0824	-10401.202	-10959.396	0.00000000E+00
ELEM=	48	FX	FY	FZ	MX	MY	MZ
	150	0.00000000E+00	0.00000000E+00	5187.0869	17257.473	-15353.627	0.00000000E+00
	151	0.00000000E+00	0.00000000E+00	-5774.3309	28282.255	19686.718	0.00000000E+00
	167	0.00000000E+00	0.00000000E+00	6042.5200	-32628.988	23514.830	0.00000000E+00
	166	0.00000000E+00	0.00000000E+00	-5871.7772	-20642.206	-18509.703	0.00000000E+00

ELEM=	49	FX	FY	FZ	MX	MY	MZ
	151	0.00000000E+00	0.00000000E+00	4829.3669	24938.446	-19651.365	0.00000000E+00
	152	0.00000000E+00	0.00000000E+00	-5563.4863	35005.699	22413.280	0.00000000E+00
	168	0.00000000E+00	0.00000000E+00	5660.8817	-40818.651	26798.101	0.00000000E+00
	167	0.00000000E+00	0.00000000E+00	-5343.2636	-29853.216	-23569.354	0.00000000E+00

ELEM=	50	FX	FY	FZ	MX	MY	MZ
	152	0.00000000E+00	0.00000000E+00	4414.4185	31653.376	-22500.474	0.00000000E+00
	153	0.00000000E+00	0.00000000E+00	-5285.4790	40756.354	24099.715	0.00000000E+00
	169	0.00000000E+00	0.00000000E+00	5255.0862	-47927.360	28640.504	0.00000000E+00
	168	0.00000000E+00	0.00000000E+00	-4800.5270	-38003.691	-26753.732	0.00000000E+00

ELEM=	51	FX	FY	FZ	MX	MY	MZ
	153	0.00000000E+00	0.00000000E+00	3985.9956	37486.831	-24276.166	0.00000000E+00
	154	0.00000000E+00	0.00000000E+00	-4981.9748	45685.854	24981.440	0.00000000E+00
	170	0.00000000E+00	0.00000000E+00	4852.7946	-54087.701	29361.477	0.00000000E+00
	169	0.00000000E+00	0.00000000E+00	-4273.3168	-45154.646	-28516.969	0.00000000E+00

ELEM=	52	FX	FY	FZ	MX	MY	MZ
	154	0.00000000E+00	0.00000000E+00	3577.6462	42537.231	-25222.872	0.00000000E+00
	155	0.00000000E+00	0.00000000E+00	-4685.6359	49924.433	25207.470	0.00000000E+00
	171	0.00000000E+00	0.00000000E+00	4476.6707	-59426.058	29178.463	0.00000000E+00
	170	0.00000000E+00	0.00000000E+00	-3785.1823	-51390.283	-29177.065	0.00000000E+00

ELEM=	53	FX	FY	FZ	MX	MY	MZ
	155	0.00000000E+00	0.00000000E+00	3215.0449	46898.026	-25499.281	0.00000000E+00
	156	0.00000000E+00	0.00000000E+00	-4422.5776	53585.536	24866.900	0.00000000E+00
	172	0.00000000E+00	0.00000000E+00	4145.3221	-64062.992	28225.737	0.00000000E+00
	171	0.00000000E+00	0.00000000E+00	-3354.2907	-56805.924	-28945.850	0.00000000E+00

ELEM=	54	FX	FY	FZ	MX	MY	MZ
	156	0.00000000E+00	0.00000000E+00	2919.1428	50655.567	-25202.573	0.00000000E+00
	157	0.00000000E+00	0.00000000E+00	-4214.9288	56771.499	24000.842	0.00000000E+00
	173	0.00000000E+00	0.00000000E+00	3874.7624	-68114.357	26567.638	0.00000000E+00
	172	0.00000000E+00	0.00000000E+00	-2995.4778	-61498.430	-27951.454	0.00000000E+00

ELEM=	55	FX	FY	FZ	MX	MY	MZ
	157	0.00000000E+00	0.00000000E+00	2708.7334	53889.238	-24380.451	0.00000000E+00
	158	0.00000000E+00	0.00000000E+00	-4083.0804	59578.770	22606.411	0.00000000E+00
	174	0.00000000E+00	0.00000000E+00	3679.8818	-71693.601	24205.923	0.00000000E+00
	173	0.00000000E+00	0.00000000E+00	-2722.0361	-65562.772	-26252.863	0.00000000E+00

ELEM=	56	FX	FY	FZ	MX	MY	MZ
	158	0.00000000E+00	0.00000000E+00	2602.5802	56672.786	-23035.578	0.00000000E+00
	159	0.00000000E+00	0.00000000E+00	-4047.5899	62103.860	20634.257	0.00000000E+00
	175	0.00000000E+00	0.00000000E+00	3575.6607	-74915.734	21081.192	0.00000000E+00
	174	0.00000000E+00	0.00000000E+00	-2547.1523	-69090.795	-23847.971	0.00000000E+00

ELEM=	57	FX	FY	FZ	MX	MY	MZ
	159	0.00000000E+00	0.00000000E+00	2621.2410	59076.447	-21123.646	0.00000000E+00
	160	0.00000000E+00	0.00000000E+00	-4130.6007	64454.599	17978.366	0.00000000E+00
	176	0.00000000E+00	0.00000000E+00	3577.7544	-77903.071	17067.045	0.00000000E+00
	175	0.00000000E+00	0.00000000E+00	-2484.8961	-72170.599	-20675.839	0.00000000E+00

ELEM=	58	FX	FY	FZ	MX	MY	MZ
	160	0.00000000E+00	0.00000000E+00	2788.2605	61170.011	-18543.587	0.00000000E+00
	161	0.00000000E+00	0.00000000E+00	-4358.0618	66752.463	14459.042	0.00000000E+00
	177	0.00000000E+00	0.00000000E+00	3703.9771	-80808.126	11956.925	0.00000000E+00
	176	0.00000000E+00	0.00000000E+00	-2550.6772	-74889.980	-16610.726	0.00000000E+00

ELEM=	59	FX	FY	FZ	MX	MY	MZ
	161	0.00000000E+00	0.00000000E+00	3130.7817	63035.649	-15103.589	0.00000000E+00
	162	0.00000000E+00	0.00000000E+00	-4751.6947	69239.009	9792.1490	0.00000000E+00
	178	0.00000000E+00	0.00000000E+00	3966.4670	-83762.694	5452.9230	0.00000000E+00
	177	0.00000000E+00	0.00000000E+00	-2762.0553	-77330.277	-11450.233	0.00000000E+00

ELEM=	60	FX	FY	FZ	MX	MY	MZ
	162	0.00000000E+00	0.00000000E+00	3674.5785	64763.346	-10535.399	0.00000000E+00
	163	0.00000000E+00	0.00000000E+00	-5380.2991	71697.085	3579.6609	0.00000000E+00
	179	0.00000000E+00	0.00000000E+00	4424.0451	-87339.791	-2817.4542	0.00000000E+00
	178	0.00000000E+00	0.00000000E+00	-3134.8259	-79669.026	-4887.6722	0.00000000E+00

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ELEM=   61    FX              FY              FZ              MX              MY              MZ
   164  0.00000000E+00  0.00000000E+00    4068.1344      -1088.7510       138.70487      0.00000000E+00
   165  0.00000000E+00  0.00000000E+00   -4313.8991      12873.768       10903.287       0.00000000E+00
   181  0.00000000E+00  0.00000000E+00    5269.1936     -13726.099       11857.669       0.00000000E+00
   180  0.00000000E+00  0.00000000E+00   -5439.9303       1175.7968       -94.175308     0.00000000E+00

ELEM=   62    FX              FY              FZ              MX              MY              MZ
   165  0.00000000E+00  0.00000000E+00    4053.8330       9992.2468     -10652.939       0.00000000E+00
   166  0.00000000E+00  0.00000000E+00   -4424.2452      23635.263       18479.551       0.00000000E+00
   182  0.00000000E+00  0.00000000E+00    5046.4543     -25617.495       20481.895       0.00000000E+00
   181  0.00000000E+00  0.00000000E+00   -5092.5435     -11318.110     -12031.495       0.00000000E+00

ELEM=   63    FX              FY              FZ              MX              MY              MZ
   166  0.00000000E+00  0.00000000E+00    3927.2652      20239.253     -18315.282       0.00000000E+00
   167  0.00000000E+00  0.00000000E+00   -4402.1618      33080.993       23662.347       0.00000000E+00
   183  0.00000000E+00  0.00000000E+00    4765.2619     -36142.261       26455.361       0.00000000E+00
   182  0.00000000E+00  0.00000000E+00   -4706.8666     -22617.562     -20603.953       0.00000000E+00

ELEM=   64    FX              FY              FZ              MX              MY              MZ
   167  0.00000000E+00  0.00000000E+00    3702.9055      29401.211     -23607.824       0.00000000E+00
   168  0.00000000E+00  0.00000000E+00   -4282.9172      41294.204       27077.390       0.00000000E+00
   184  0.00000000E+00  0.00000000E+00    4447.3088     -45411.656       30339.982       0.00000000E+00
   183  0.00000000E+00  0.00000000E+00   -4283.7984     -32867.685     -26505.758       0.00000000E+00

ELEM=   65    FX              FY              FZ              MX              MY              MZ
   168  0.00000000E+00  0.00000000E+00    3422.5625      37528.138     -27121.759       0.00000000E+00
   169  0.00000000E+00  0.00000000E+00   -4102.7197      48408.334       29157.657       0.00000000E+00
   185  0.00000000E+00  0.00000000E+00    4114.0719     -53525.942       32588.399       0.00000000E+00
   184  0.00000000E+00  0.00000000E+00   -3850.4161     -42037.422     -30320.080       0.00000000E+00

ELEM=   66    FX              FY              FZ              MX              MY              MZ
   169  0.00000000E+00  0.00000000E+00    3120.9503      44673.671     -29281.192       0.00000000E+00
   170  0.00000000E+00  0.00000000E+00   -3894.4783      54560.805       30197.471       0.00000000E+00
   186  0.00000000E+00  0.00000000E+00    3785.6846     -60604.285       33541.030       0.00000000E+00
   185  0.00000000E+00  0.00000000E+00   -3428.6580     -50161.848     -32507.951       0.00000000E+00

ELEM=   67    FX              FY              FZ              MX              MY              MZ
   170  0.00000000E+00  0.00000000E+00    2826.8659      50917.179     -30381.883       0.00000000E+00
   171  0.00000000E+00  0.00000000E+00   -3685.7765      59885.203       30390.359       0.00000000E+00
   187  0.00000000E+00  0.00000000E+00    3479.3204     -66771.656       33438.163       0.00000000E+00
   186  0.00000000E+00  0.00000000E+00   -3036.9112     -57304.188     -33411.464       0.00000000E+00

ELEM=   68    FX              FY              FZ              MX              MY              MZ
   171  0.00000000E+00  0.00000000E+00    2563.3965      56346.779     -30622.971       0.00000000E+00
   172  0.00000000E+00  0.00000000E+00   -3499.5462      64508.189       29854.361       0.00000000E+00
   188  0.00000000E+00  0.00000000E+00    3209.4380     -72155.784       32432.559       0.00000000E+00
   187  0.00000000E+00  0.00000000E+00   -2689.7896     -63548.324     -33268.356       0.00000000E+00

ELEM=   69    FX              FY              FZ              MX              MY              MZ
   172  0.00000000E+00  0.00000000E+00    2349.7019      61053.232     -30128.643       0.00000000E+00
   173  0.00000000E+00  0.00000000E+00   -3355.5842      68550.294       28646.103       0.00000000E+00
   189  0.00000000E+00  0.00000000E+00    2988.6877     -76885.685       30600.382       0.00000000E+00
   188  0.00000000E+00  0.00000000E+00   -2399.3068     -68989.525     -32227.299       0.00000000E+00

ELEM=   70    FX              FY              FZ              MX              MY              MZ
   173  0.00000000E+00  0.00000000E+00    2202.8579      65126.835     -28960.878       0.00000000E+00
   174  0.00000000E+00  0.00000000E+00   -3272.1835      72127.955       26767.111       0.00000000E+00
   190  0.00000000E+00  0.00000000E+00    2828.9793     -81091.562       27949.028       0.00000000E+00
   189  0.00000000E+00  0.00000000E+00   -2176.1550     -73729.158     -30360.350       0.00000000E+00

ELEM=   71    FX              FY              FZ              MX              MY              MZ
   174  0.00000000E+00  0.00000000E+00    2139.4541      68656.442     -27125.063       0.00000000E+00
   175  0.00000000E+00  0.00000000E+00   -3267.5019      75356.364       24163.266       0.00000000E+00
   191  0.00000000E+00  0.00000000E+00    2742.2981     -84905.254       24421.517       0.00000000E+00
   190  0.00000000E+00  0.00000000E+00   -2030.7517     -77871.411     -27672.001       0.00000000E+00

ELEM=   72    FX              FY              FZ              MX              MY              MZ
   175  0.00000000E+00  0.00000000E+00    2176.7373      71729.969     -24568.619       0.00000000E+00
   176  0.00000000E+00  0.00000000E+00   -3360.1205      78356.806       20716.074       0.00000000E+00
   192  0.00000000E+00  0.00000000E+00    2740.5699     -88459.585       19896.555       0.00000000E+00
   191  0.00000000E+00  0.00000000E+00   -1973.6880     -81519.894     -24105.490       0.00000000E+00
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ELEM=	73 FX	FY	FZ	MX	MY	MZ
176	0.00000000E+00	0.00000000E+00	2333.0433	74436.245	-21172.393	0.00000000E+00
177	0.00000000E+00	0.00000000E+00	-3569.3112	81262.998	16224.416	0.00000000E+00
193	0.00000000E+00	0.00000000E+00	2834.8782	-91897.558	14179.600	0.00000000E+00
192	0.00000000E+00	0.00000000E+00	-2015.1116	-84773.236	-19544.797	0.00000000E+00
ELEM=	74 FX	FY	FZ	MX	MY	MZ
177	0.00000000E+00	0.00000000E+00	2627.3893	76875.405	-16731.109	0.00000000E+00
178	0.00000000E+00	0.00000000E+00	-3908.6228	84290.520	10392.017	0.00000000E+00
194	0.00000000E+00	0.00000000E+00	3028.5160	-95339.619	6975.2516	0.00000000E+00
193	0.00000000E+00	0.00000000E+00	-2163.7839	-87715.155	-13804.540	0.00000000E+00
ELEM=	75 FX	FY	FZ	MX	MY	MZ
178	0.00000000E+00	0.00000000E+00	3076.9817	79141.200	-10957.268	0.00000000E+00
179	0.00000000E+00	0.00000000E+00	-4424.0451	87339.791	2817.4542	0.00000000E+00
195	0.00000000E+00	0.00000000E+00	3358.1173	-99228.509	-2097.8120	0.00000000E+00
194	0.00000000E+00	0.00000000E+00	-2427.5551	-90484.263	-6572.8476	0.00000000E+00
ELEM=	76 FX	FY	FZ	MX	MY	MZ
180	0.00000000E+00	0.00000000E+00	2504.6858	-1175.7968	94.175308	0.00000000E+00
181	0.00000000E+00	0.00000000E+00	-2736.9314	13999.936	11988.837	0.00000000E+00
197	0.00000000E+00	0.00000000E+00	3785.1723	-14544.731	12598.831	0.00000000E+00
196	0.00000000E+00	0.00000000E+00	-3969.4280	1231.0943	-54.609684	0.00000000E+00
ELEM=	77 FX	FY	FZ	MX	MY	MZ
181	0.00000000E+00	0.00000000E+00	2560.2813	11044.273	-11815.012	0.00000000E+00
182	0.00000000E+00	0.00000000E+00	-2872.1734	25885.610	20569.840	0.00000000E+00
198	0.00000000E+00	0.00000000E+00	3577.8873	-27152.659	21859.644	0.00000000E+00
197	0.00000000E+00	0.00000000E+00	-3682.4966	-11891.509	-12700.766	0.00000000E+00
ELEM=	78 FX	FY	FZ	MX	MY	MZ
182	0.00000000E+00	0.00000000E+00	2532.5856	22349.447	-20447.781	0.00000000E+00
183	0.00000000E+00	0.00000000E+00	-2911.3920	36445.939	26543.234	0.00000000E+00
199	0.00000000E+00	0.00000000E+00	3342.1680	-38404.940	28363.205	0.00000000E+00
198	0.00000000E+00	0.00000000E+00	-3379.8630	-23869.783	-21933.735	0.00000000E+00
ELEM=	79 FX	FY	FZ	MX	MY	MZ
183	0.00000000E+00	0.00000000E+00	2429.9286	32564.007	-26492.837	0.00000000E+00
184	0.00000000E+00	0.00000000E+00	-2876.5344	45738.110	30504.755	0.00000000E+00
200	0.00000000E+00	0.00000000E+00	3090.3059	-48380.714	32656.644	0.00000000E+00
199	0.00000000E+00	0.00000000E+00	-3060.2014	-34783.848	-28396.928	0.00000000E+00
ELEM=	80 FX	FY	FZ	MX	MY	MZ
184	0.00000000E+00	0.00000000E+00	2279.6417	41710.968	-30524.657	0.00000000E+00
185	0.00000000E+00	0.00000000E+00	-2791.6647	53864.243	32906.305	0.00000000E+00
201	0.00000000E+00	0.00000000E+00	2834.6963	-57163.129	35192.217	0.00000000E+00
200	0.00000000E+00	0.00000000E+00	-2739.1746	-44609.038	-32648.734	0.00000000E+00
ELEM=	81 FX	FY	FZ	MX	MY	MZ
185	0.00000000E+00	0.00000000E+00	2106.2508	49823.547	-32986.752	0.00000000E+00
186	0.00000000E+00	0.00000000E+00	-2680.1882	60944.662	34076.185	0.00000000E+00
202	0.00000000E+00	0.00000000E+00	2587.3614	-64860.409	36319.533	0.00000000E+00
201	0.00000000E+00	0.00000000E+00	-2429.9254	-53367.809	-35146.657	0.00000000E+00
ELEM=	82 FX	FY	FZ	MX	MY	MZ
186	0.00000000E+00	0.00000000E+00	1931.4147	56963.811	-34205.751	0.00000000E+00
187	0.00000000E+00	0.00000000E+00	-2562.8530	67108.796	34239.729	0.00000000E+00
203	0.00000000E+00	0.00000000E+00	2358.8141	-71594.911	36290.690	0.00000000E+00
202	0.00000000E+00	0.00000000E+00	-2143.8772	-61110.722	-36242.117	0.00000000E+00
ELEM=	83 FX	FY	FZ	MX	MY	MZ
187	0.00000000E+00	0.00000000E+00	1773.3222	63211.185	-34409.536	0.00000000E+00
188	0.00000000E+00	0.00000000E+00	-2457.6203	72489.208	33538.186	0.00000000E+00
204	0.00000000E+00	0.00000000E+00	2158.0960	-77498.870	35268.606	0.00000000E+00
203	0.00000000E+00	0.00000000E+00	-1890.2993	-67912.890	-36186.219	0.00000000E+00
ELEM=	84 FX	FY	FZ	MX	MY	MZ
188	0.00000000E+00	0.00000000E+00	1647.4891	68656.102	-33743.446	0.00000000E+00
189	0.00000000E+00	0.00000000E+00	-2380.4295	77219.332	32041.989	0.00000000E+00
205	0.00000000E+00	0.00000000E+00	1993.3494	-82711.930	33335.825	0.00000000E+00
204	0.00000000E+00	0.00000000E+00	-1676.9102	-73867.175	-35139.427	0.00000000E+00

ELEM=	85	FX	FY	FZ	MX	MY	MZ
	189	0.00000000E+00	0.00000000E+00	1567.8968	73395.510	-32282.020	0.00000000E+00
	190	0.00000000E+00	0.00000000E+00	-2346.3229	81432.676	29758.872	0.00000000E+00
	206	0.00000000E+00	0.00000000E+00	1872.6509	-87380.291	30502.068	0.00000000E+00
	205	0.00000000E+00	0.00000000E+00	-1510.7261	-79079.475	-33181.178	0.00000000E+00
ELEM=	86	FX	FY	FZ	MX	MY	MZ
	190	0.00000000E+00	0.00000000E+00	1548.0953	77530.298	-30035.899	0.00000000E+00
	191	0.00000000E+00	0.00000000E+00	-2370.5612	85261.262	26637.145	0.00000000E+00
	207	0.00000000E+00	0.00000000E+00	1804.8735	-91655.463	26710.824	0.00000000E+00
	206	0.00000000E+00	0.00000000E+00	-1398.9089	-83666.088	-30317.837	0.00000000E+00
ELEM=	87	FX	FY	FZ	MX	MY	MZ
	191	0.00000000E+00	0.00000000E+00	1601.9511	81163.886	-26953.173	0.00000000E+00
	192	0.00000000E+00	0.00000000E+00	-2469.0853	88833.322	22562.504	0.00000000E+00
	208	0.00000000E+00	0.00000000E+00	1799.8769	-95687.210	21846.144	0.00000000E+00
	207	0.00000000E+00	0.00000000E+00	-1349.2440	-87751.222	-26490.247	0.00000000E+00
ELEM=	88	FX	FY	FZ	MX	MY	MZ
	192	0.00000000E+00	0.00000000E+00	1743.6271	84399.500	-22914.263	0.00000000E+00
	193	0.00000000E+00	0.00000000E+00	-2658.1942	92266.977	17340.518	0.00000000E+00
	209	0.00000000E+00	0.00000000E+00	1866.9813	-99615.949	15734.637	0.00000000E+00
	208	0.00000000E+00	0.00000000E+00	-1368.9155	-91459.384	-21586.953	0.00000000E+00
ELEM=	89	FX	FY	FZ	MX	MY	MZ
	193	0.00000000E+00	0.00000000E+00	1987.0999	87345.735	-17715.579	0.00000000E+00
	194	0.00000000E+00	0.00000000E+00	-2945.1108	95743.484	10659.709	0.00000000E+00
	210	0.00000000E+00	0.00000000E+00	2002.0830	-103499.26	8118.3235	0.00000000E+00
	209	0.00000000E+00	0.00000000E+00	-1460.5735	-94885.070	-15464.085	0.00000000E+00
ELEM=	90	FX	FY	FZ	MX	MY	MZ
	194	0.00000000E+00	0.00000000E+00	2344.1499	90080.399	-11062.113	0.00000000E+00
	195	0.00000000E+00	0.00000000E+00	-3358.1173	99228.509	2097.8120	0.00000000E+00
	211	0.00000000E+00	0.00000000E+00	2218.5612	-107666.30	-1450.2633	0.00000000E+00
	210	0.00000000E+00	0.00000000E+00	-1621.0952	-98079.230	-7839.0222	0.00000000E+00
ELEM=	91	FX	FY	FZ	MX	MY	MZ
	196	0.00000000E+00	0.00000000E+00	879.60072	-1231.0943	54.609684	0.00000000E+00
	197	0.00000000E+00	0.00000000E+00	-1099.5790	14703.115	12674.944	0.00000000E+00
	213	0.00000000E+00	0.00000000E+00	2201.7398	-14969.436	12972.238	0.00000000E+00
	212	0.00000000E+00	0.00000000E+00	-2398.2628	1258.1723	-17.728508	0.00000000E+00
ELEM=	92	FX	FY	FZ	MX	MY	MZ
	197	0.00000000E+00	0.00000000E+00	996.90331	11733.126	-12573.010	0.00000000E+00
	198	0.00000000E+00	0.00000000E+00	-1255.8252	27306.981	21910.311	0.00000000E+00
	214	0.00000000E+00	0.00000000E+00	2010.4805	-27926.477	22541.125	0.00000000E+00
	213	0.00000000E+00	0.00000000E+00	-2168.0599	-12147.324	-13005.470	0.00000000E+00
ELEM=	93	FX	FY	FZ	MX	MY	MZ
	198	0.00000000E+00	0.00000000E+00	1057.8009	23715.461	-21836.219	0.00000000E+00
	199	0.00000000E+00	0.00000000E+00	-1349.4753	38580.407	28411.285	0.00000000E+00
	215	0.00000000E+00	0.00000000E+00	1820.6081	-39538.847	29306.348	0.00000000E+00
	214	0.00000000E+00	0.00000000E+00	-1945.4350	-24458.866	-22565.498	0.00000000E+00
ELEM=	94	FX	FY	FZ	MX	MY	MZ
	199	0.00000000E+00	0.00000000E+00	1067.5087	34608.381	-28377.562	0.00000000E+00
	200	0.00000000E+00	0.00000000E+00	-1392.5009	48571.638	32745.432	0.00000000E+00
	216	0.00000000E+00	0.00000000E+00	1636.3074	-49866.650	33810.027	0.00000000E+00
	215	0.00000000E+00	0.00000000E+00	-1727.8165	-35694.896	-29317.577	0.00000000E+00
ELEM=	95	FX	FY	FZ	MX	MY	MZ
	200	0.00000000E+00	0.00000000E+00	1041.3696	44418.115	-32753.342	0.00000000E+00
	201	0.00000000E+00	0.00000000E+00	-1398.7497	57364.181	35367.102	0.00000000E+00
	217	0.00000000E+00	0.00000000E+00	1461.4077	-58985.027	36503.378	0.00000000E+00
	216	0.00000000E+00	0.00000000E+00	-1520.5290	-45839.509	-33807.328	0.00000000E+00
ELEM=	96	FX	FY	FZ	MX	MY	MZ
	201	0.00000000E+00	0.00000000E+00	993.97875	53166.757	-35412.662	0.00000000E+00
	202	0.00000000E+00	0.00000000E+00	-1382.3219	65066.167	36621.118	0.00000000E+00
	218	0.00000000E+00	0.00000000E+00	1299.5605	-66996.553	37738.813	0.00000000E+00
	217	0.00000000E+00	0.00000000E+00	-1327.7187	-54910.258	-36487.679	0.00000000E+00

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ELEM=	97	FX	FY	FZ	MX	MY	MZ
	202	0.00000000E+00	0.00000000E+00	938.83764	60904.964	-36698.535	0.00000000E+00
	203	0.00000000E+00	0.00000000E+00	-1356.2870	71802.332	36752.044	0.00000000E+00
	219	0.00000000E+00	0.00000000E+00	1153.8578	-74022.590	37772.288	0.00000000E+00
	218	0.00000000E+00	0.00000000E+00	-1152.9097	-62952.360	-37711.698	0.00000000E+00
ELEM=	98	FX	FY	FZ	MX	MY	MZ
	203	0.00000000E+00	0.00000000E+00	887.77220	67705.470	-36856.514	0.00000000E+00
	204	0.00000000E+00	0.00000000E+00	-1332.3857	77708.166	35916.587	0.00000000E+00
	220	0.00000000E+00	0.00000000E+00	1026.9447	-80198.872	36769.995	0.00000000E+00
	219	0.00000000E+00	0.00000000E+00	-998.83255	-70036.566	-37734.999	0.00000000E+00
ELEM=	99	FX	FY	FZ	MX	MY	MZ
	204	0.00000000E+00	0.00000000E+00	851.19990	73657.879	-36045.767	0.00000000E+00
	205	0.00000000E+00	0.00000000E+00	-1321.3462	82927.080	34194.581	0.00000000E+00
	221	0.00000000E+00	0.00000000E+00	921.36875	-85673.244	34816.096	0.00000000E+00
	220	0.00000000E+00	0.00000000E+00	-867.72379	-76254.386	-36722.754	0.00000000E+00
ELEM=	100	FX	FY	FZ	MX	MY	MZ
	205	0.00000000E+00	0.00000000E+00	838.72293	78864.325	-34349.228	0.00000000E+00
	206	0.00000000E+00	0.00000000E+00	-1333.5680	87609.744	31597.629	0.00000000E+00
	222	0.00000000E+00	0.00000000E+00	840.12177	-90606.115	31919.302	0.00000000E+00
	221	0.00000000E+00	0.00000000E+00	-761.77807	-81714.480	-34757.536	0.00000000E+00
ELEM=	101	FX	FY	FZ	MX	MY	MZ
	206	0.00000000E+00	0.00000000E+00	859.82598	83436.634	-31781.861	0.00000000E+00
	207	0.00000000E+00	0.00000000E+00	-1380.1298	91912.982	28076.432	0.00000000E+00
	223	0.00000000E+00	0.00000000E+00	787.52199	-95173.657	28017.551	0.00000000E+00
	222	0.00000000E+00	0.00000000E+00	-683.71945	-86541.845	-31845.523	0.00000000E+00
ELEM=	102	FX	FY	FZ	MX	MY	MZ
	207	0.00000000E+00	0.00000000E+00	924.50038	87493.702	-28297.008	0.00000000E+00
	208	0.00000000E+00	0.00000000E+00	-1474.4472	95989.965	23528.165	0.00000000E+00
	224	0.00000000E+00	0.00000000E+00	771.11666	-99571.875	22984.601	0.00000000E+00
	223	0.00000000E+00	0.00000000E+00	-637.67114	-90882.394	-27919.324	0.00000000E+00
ELEM=	103	FX	FY	FZ	MX	MY	MZ
	208	0.00000000E+00	0.00000000E+00	1043.4859	91156.629	-23787.357	0.00000000E+00
	209	0.00000000E+00	0.00000000E+00	-1634.9509	99946.447	17794.912	0.00000000E+00
	225	0.00000000E+00	0.00000000E+00	805.87675	-104004.17	16661.977	0.00000000E+00
	224	0.00000000E+00	0.00000000E+00	-630.91304	-94916.483	-22837.673	0.00000000E+00
ELEM=	104	FX	FY	FZ	MX	MY	MZ
	209	0.00000000E+00	0.00000000E+00	1228.5430	94554.572	-18065.465	0.00000000E+00
	210	0.00000000E+00	0.00000000E+00	-1872.7633	103876.26	10621.935	0.00000000E+00
	226	0.00000000E+00	0.00000000E+00	902.22127	-108493.24	8913.6729	0.00000000E+00
	225	0.00000000E+00	0.00000000E+00	-674.50233	-98831.372	-16411.055	0.00000000E+00
ELEM=	105	FX	FY	FZ	MX	MY	MZ
	210	0.00000000E+00	0.00000000E+00	1491.7754	97702.226	-10901.237	0.00000000E+00
	211	0.00000000E+00	0.00000000E+00	-2218.5612	107666.30	1450.2633	0.00000000E+00
	227	0.00000000E+00	0.00000000E+00	1041.2324	-113289.10	-915.50350	0.00000000E+00
	226	0.00000000E+00	0.00000000E+00	-730.94798	-102657.53	-8627.4546	0.00000000E+00
ELEM=	106	FX	FY	FZ	MX	MY	MZ
	212	0.00000000E+00	0.00000000E+00	-767.01717	-1258.1723	17.728508	0.00000000E+00
	213	0.00000000E+00	0.00000000E+00	558.75229	15021.809	12997.376	0.00000000E+00
	229	0.00000000E+00	0.00000000E+00	561.05024	-15022.531	12996.474	0.00000000E+00
	228	0.00000000E+00	0.00000000E+00	-769.28669	1258.6043	18.264214	0.00000000E+00
ELEM=	107	FX	FY	FZ	MX	MY	MZ
	213	0.00000000E+00	0.00000000E+00	-592.43215	12094.951	-12964.145	0.00000000E+00
	214	0.00000000E+00	0.00000000E+00	384.02007	27977.426	22558.417	0.00000000E+00
	230	0.00000000E+00	0.00000000E+00	386.71294	-27979.375	22555.963	0.00000000E+00
	229	0.00000000E+00	0.00000000E+00	-594.80219	-12096.294	-12962.156	0.00000000E+00
ELEM=	108	FX	FY	FZ	MX	MY	MZ
	214	0.00000000E+00	0.00000000E+00	-449.06555	24407.916	-22534.044	0.00000000E+00
	215	0.00000000E+00	0.00000000E+00	240.53031	39596.939	29323.037	0.00000000E+00
	231	0.00000000E+00	0.00000000E+00	243.94523	-39600.268	29318.772	0.00000000E+00
	230	0.00000000E+00	0.00000000E+00	-451.91132	-24410.392	-22530.331	0.00000000E+00

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ELEM= 109	FX	FY	FZ	MX	MY	MZ
215	0.00000000E+00	0.00000000E+00	-333.32194	35636.804	-29311.808	0.00000000E+00
216	0.00000000E+00	0.00000000E+00	124.61946	49930.371	33840.248	0.00000000E+00
232	0.00000000E+00	0.00000000E+00	129.17931	-49935.546	33833.673	0.00000000E+00
231	0.00000000E+00	0.00000000E+00	-336.97816	-35640.846	-29305.944	0.00000000E+00

ELEM= 110	FX	FY	FZ	MX	MY	MZ
216	0.00000000E+00	0.00000000E+00	-240.39786	45775.788	-33842.947	0.00000000E+00
217	0.00000000E+00	0.00000000E+00	31.466597	59052.958	36562.421	0.00000000E+00
233	0.00000000E+00	0.00000000E+00	37.731756	-59060.694	36552.767	0.00000000E+00
232	0.00000000E+00	0.00000000E+00	-245.30183	-45781.936	-33834.240	0.00000000E+00

ELEM= 111	FX	FY	FZ	MX	MY	MZ
217	0.00000000E+00	0.00000000E+00	-165.15564	54842.327	-36578.120	0.00000000E+00
218	0.00000000E+00	0.00000000E+00	-44.100768	67067.200	37840.918	0.00000000E+00
234	0.00000000E+00	0.00000000E+00	-35.359295	-67078.601	37827.024	0.00000000E+00
233	0.00000000E+00	0.00000000E+00	-171.88563	-54851.443	-36565.527	0.00000000E+00

ELEM= 112	FX	FY	FZ	MX	MY	MZ
218	0.00000000E+00	0.00000000E+00	-102.55001	62881.712	-37868.033	0.00000000E+00
219	0.00000000E+00	0.00000000E+00	-107.18020	74095.339	37929.681	0.00000000E+00
235	0.00000000E+00	0.00000000E+00	-94.873678	-74112.112	37909.798	0.00000000E+00
234	0.00000000E+00	0.00000000E+00	-111.89745	-62895.121	-37849.989	0.00000000E+00

ELEM= 113	FX	FY	FZ	MX	MY	MZ
219	0.00000000E+00	0.00000000E+00	-47.845002	69963.817	-37966.971	0.00000000E+00
220	0.00000000E+00	0.00000000E+00	-162.59327	80274.523	36993.353	0.00000000E+00
236	0.00000000E+00	0.00000000E+00	-145.14375	-80299.379	36964.770	0.00000000E+00
235	0.00000000E+00	0.00000000E+00	-60.919310	-69983.588	-37941.085	0.00000000E+00

ELEM= 114	FX	FY	FZ	MX	MY	MZ
220	0.00000000E+00	0.00000000E+00	3.3723522	76178.735	-37040.594	0.00000000E+00
221	0.00000000E+00	0.00000000E+00	-214.90479	85754.651	35116.000	0.00000000E+00
237	0.00000000E+00	0.00000000E+00	-189.94495	-85792.112	35074.325	0.00000000E+00
236	0.00000000E+00	0.00000000E+00	-15.023943	-76208.222	-37003.073	0.00000000E+00

ELEM= 115	FX	FY	FZ	MX	MY	MZ
221	0.00000000E+00	0.00000000E+00	55.314108	81633.073	-35174.560	0.00000000E+00
222	0.00000000E+00	0.00000000E+00	-268.61573	90699.526	32308.567	0.00000000E+00
238	0.00000000E+00	0.00000000E+00	-232.42250	-90757.617	32246.393	0.00000000E+00
237	0.00000000E+00	0.00000000E+00	29.222793	-81678.021	-35119.036	0.00000000E+00

ELEM= 116	FX	FY	FZ	MX	MY	MZ
222	0.00000000E+00	0.00000000E+00	112.21341	86448.433	-32382.346	0.00000000E+00
223	0.00000000E+00	0.00000000E+00	-328.46774	95292.561	28514.972	0.00000000E+00
239	0.00000000E+00	0.00000000E+00	-274.97335	-95385.256	28419.142	0.00000000E+00
238	0.00000000E+00	0.00000000E+00	74.726340	-86519.012	-32297.500	0.00000000E+00

ELEM= 117	FX	FY	FZ	MX	MY	MZ
223	0.00000000E+00	0.00000000E+00	178.61690	90763.490	-28613.199	0.00000000E+00
224	0.00000000E+00	0.00000000E+00	-399.68034	99751.787	23622.585	0.00000000E+00
240	0.00000000E+00	0.00000000E+00	-319.16814	-99899.880	23459.849	0.00000000E+00
239	0.00000000E+00	0.00000000E+00	123.73025	-90876.778	-28476.952	0.00000000E+00

ELEM= 118	FX	FY	FZ	MX	MY	MZ
224	0.00000000E+00	0.00000000E+00	259.47672	94736.572	-23769.513	0.00000000E+00
225	0.00000000E+00	0.00000000E+00	-490.67782	104341.19	17506.107	0.00000000E+00
241	0.00000000E+00	0.00000000E+00	-362.99158	-104615.45	17137.822	0.00000000E+00
240	0.00000000E+00	0.00000000E+00	177.69135	-94930.498	-23524.623	0.00000000E+00

ELEM= 119	FX	FY	FZ	MX	MY	MZ
225	0.00000000E+00	0.00000000E+00	359.30340	98494.347	-17757.030	0.00000000E+00
226	0.00000000E+00	0.00000000E+00	-640.61954	109233.64	10119.502	0.00000000E+00
242	0.00000000E+00	0.00000000E+00	-369.60799	-110226.45	9127.9857	0.00000000E+00
241	0.00000000E+00	0.00000000E+00	234.42280	-98992.075	-17209.204	0.00000000E+00

ELEM= 120	FX	FY	FZ	MX	MY	MZ
226	0.00000000E+00	0.00000000E+00	469.34625	101917.14	-10405.720	0.00000000E+00
227	0.00000000E+00	0.00000000E+00	-1041.2324	113289.10	915.50350	0.00000000E+00
243	0.00000000E+00	0.00000000E+00	-101.65614	-118526.80	377.28624	0.00000000E+00
242	0.00000000E+00	0.00000000E+00	257.04092	-104097.60	-9205.9714	0.00000000E+00

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ELEM= 121	FX	FY	FZ	MX	MY	MZ
228	0.00000000E+00	0.00000000E+00	-2396.1271	-1258.6043	-18.264214	0.00000000E+00
229	0.00000000E+00	0.00000000E+00	2199.5782	14971.660	12971.845	0.00000000E+00
245	0.00000000E+00	0.00000000E+00	-1097.5462	-14706.653	12672.910	0.00000000E+00
244	0.00000000E+00	0.00000000E+00	877.59380	1232.3126	55.048915	0.00000000E+00
ELEM= 122	FX	FY	FZ	MX	MY	MZ
229	0.00000000E+00	0.00000000E+00	-2165.8262	12147.166	-13006.163	0.00000000E+00
230	0.00000000E+00	0.00000000E+00	2007.9530	27930.007	22540.845	0.00000000E+00
246	0.00000000E+00	0.00000000E+00	-1253.4400	-27314.059	21905.572	0.00000000E+00
245	0.00000000E+00	0.00000000E+00	994.81185	-11735.414	-12570.086	0.00000000E+00
ELEM= 123	FX	FY	FZ	MX	MY	MZ
230	0.00000000E+00	0.00000000E+00	-1942.7546	24459.760	-22566.477	0.00000000E+00
231	0.00000000E+00	0.00000000E+00	1817.4104	39544.237	29306.148	0.00000000E+00
247	0.00000000E+00	0.00000000E+00	-1346.4488	-38591.848	28403.346	0.00000000E+00
246	0.00000000E+00	0.00000000E+00	1055.2917	-23720.858	-21830.457	0.00000000E+00
ELEM= 124	FX	FY	FZ	MX	MY	MZ
231	0.00000000E+00	0.00000000E+00	-1724.3774	35696.877	-29318.975	0.00000000E+00
232	0.00000000E+00	0.00000000E+00	1632.0485	49874.615	33809.918	0.00000000E+00
248	0.00000000E+00	0.00000000E+00	-1388.4606	-48588.988	32733.429	0.00000000E+00
247	0.00000000E+00	0.00000000E+00	1064.2882	-34617.700	-28368.336	0.00000000E+00
ELEM= 125	FX	FY	FZ	MX	MY	MZ
232	0.00000000E+00	0.00000000E+00	-1515.9260	45842.867	-33809.351	0.00000000E+00
233	0.00000000E+00	0.00000000E+00	1455.5738	58996.672	36503.398	0.00000000E+00
249	0.00000000E+00	0.00000000E+00	-1393.2055	-57389.805	35349.735	0.00000000E+00
248	0.00000000E+00	0.00000000E+00	1037.0564	-44432.606	-32739.651	0.00000000E+00
ELEM= 126	FX	FY	FZ	MX	MY	MZ
233	0.00000000E+00	0.00000000E+00	-1321.4199	54915.466	-36490.638	0.00000000E+00
234	0.00000000E+00	0.00000000E+00	1291.4513	67013.563	37739.033	0.00000000E+00
250	0.00000000E+00	0.00000000E+00	-1374.6071	-65103.672	36596.492	0.00000000E+00
249	0.00000000E+00	0.00000000E+00	988.07431	-53188.402	-35393.026	0.00000000E+00
ELEM= 127	FX	FY	FZ	MX	MY	MZ
234	0.00000000E+00	0.00000000E+00	-1144.1946	62960.160	-37716.068	0.00000000E+00
235	0.00000000E+00	0.00000000E+00	1142.4988	74047.604	37772.819	0.00000000E+00
251	0.00000000E+00	0.00000000E+00	-1345.4771	-71857.259	36717.409	0.00000000E+00
250	0.00000000E+00	0.00000000E+00	930.67158	-60936.786	-36670.822	0.00000000E+00
ELEM= 128	FX	FY	FZ	MX	MY	MZ
235	0.00000000E+00	0.00000000E+00	-986.70578	70048.097	-37741.531	0.00000000E+00
236	0.00000000E+00	0.00000000E+00	1010.9525	80236.182	36770.976	0.00000000E+00
252	0.00000000E+00	0.00000000E+00	-1317.1786	-77789.258	35867.910	0.00000000E+00
251	0.00000000E+00	0.00000000E+00	876.43046	-67752.073	-36817.672	0.00000000E+00
ELEM= 129	FX	FY	FZ	MX	MY	MZ
236	0.00000000E+00	0.00000000E+00	-850.78485	76271.419	-36732.674	0.00000000E+00
237	0.00000000E+00	0.00000000E+00	898.74217	85730.255	34817.640	0.00000000E+00
253	0.00000000E+00	0.00000000E+00	-1299.8834	-83048.657	34125.762	0.00000000E+00
252	0.00000000E+00	0.00000000E+00	835.42475	-73726.375	-35991.383	0.00000000E+00
ELEM= 130	FX	FY	FZ	MX	MY	MZ
237	0.00000000E+00	0.00000000E+00	-738.02002	81739.877	-34772.928	0.00000000E+00
238	0.00000000E+00	0.00000000E+00	807.89809	90696.560	31921.500	0.00000000E+00
254	0.00000000E+00	0.00000000E+00	-1303.1569	-87796.623	31498.896	0.00000000E+00
253	0.00000000E+00	0.00000000E+00	816.77748	-78965.988	-34272.828	0.00000000E+00
ELEM= 131	FX	FY	FZ	MX	MY	MZ
238	0.00000000E+00	0.00000000E+00	-650.20192	86580.070	-31870.392	0.00000000E+00
239	0.00000000E+00	0.00000000E+00	741.01512	95324.204	28020.609	0.00000000E+00
255	0.00000000E+00	0.00000000E+00	-1336.6477	-92212.988	27930.828	0.00000000E+00
254	0.00000000E+00	0.00000000E+00	829.33320	-83590.382	-31673.732	0.00000000E+00
ELEM= 132	FX	FY	FZ	MX	MY	MZ
239	0.00000000E+00	0.00000000E+00	-589.77203	90937.830	-27962.799	0.00000000E+00
240	0.00000000E+00	0.00000000E+00	701.53912	99837.960	22981.588	0.00000000E+00
256	0.00000000E+00	0.00000000E+00	-1410.5621	-96512.450	23309.724	0.00000000E+00
255	0.00000000E+00	0.00000000E+00	882.29365	-87734.978	-28143.649	0.00000000E+00

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ELEM= 133	FX	FY	FZ	MX	MY	MZ
240	0.00000000E+00	0.00000000E+00	-560.06233	94992.418	-22916.813	0.00000000E+00
241	0.00000000E+00	0.00000000E+00	696.74840	104553.74	16573.143	0.00000000E+00
257	0.00000000E+00	0.00000000E+00	-1538.6250	-100955.11	17510.295	0.00000000E+00
256	0.00000000E+00	0.00000000E+00	985.43757	-91554.344	-23585.692	0.00000000E+00

ELEM= 134	FX	FY	FZ	MX	MY	MZ
241	0.00000000E+00	0.00000000E+00	-568.17962	99053.787	-16501.761	0.00000000E+00
242	0.00000000E+00	0.00000000E+00	767.32175	110155.50	8469.6124	0.00000000E+00
258	0.00000000E+00	0.00000000E+00	-1763.9434	-105724.74	10484.402	0.00000000E+00
257	0.00000000E+00	0.00000000E+00	1148.2999	-95173.736	-17904.324	0.00000000E+00

ELEM= 135	FX	FY	FZ	MX	MY	MZ
242	0.00000000E+00	0.00000000E+00	-654.75467	104168.55	-8391.6268	0.00000000E+00
243	0.00000000E+00	0.00000000E+00	1164.1561	118526.80	-377.28624	0.00000000E+00
259	0.00000000E+00	0.00000000E+00	-2291.9178	-109594.10	1674.3367	0.00000000E+00
258	0.00000000E+00	0.00000000E+00	1366.0150	-98461.143	-10927.839	0.00000000E+00

ELEM= 136	FX	FY	FZ	MX	MY	MZ
244	0.00000000E+00	0.00000000E+00	-3967.7986	-1232.3126	-55.048915	0.00000000E+00
245	0.00000000E+00	0.00000000E+00	3783.5241	14549.500	12597.215	0.00000000E+00
261	0.00000000E+00	0.00000000E+00	-2735.5174	-14005.658	11986.038	0.00000000E+00
260	0.00000000E+00	0.00000000E+00	2503.2906	1177.5840	94.440818	0.00000000E+00

ELEM= 137	FX	FY	FZ	MX	MY	MZ
245	0.00000000E+00	0.00000000E+00	-3680.7898	11892.567	-12700.038	0.00000000E+00
246	0.00000000E+00	0.00000000E+00	3575.9680	27161.026	21856.687	0.00000000E+00
262	0.00000000E+00	0.00000000E+00	-2870.5122	-25896.541	20563.676	0.00000000E+00
261	0.00000000E+00	0.00000000E+00	2558.8326	-11047.101	-11811.678	0.00000000E+00

ELEM= 138	FX	FY	FZ	MX	MY	MZ
246	0.00000000E+00	0.00000000E+00	-3377.8198	23873.892	-21931.803	0.00000000E+00
247	0.00000000E+00	0.00000000E+00	3339.7522	38418.046	28358.590	0.00000000E+00
263	0.00000000E+00	0.00000000E+00	-2909.2856	-36463.399	26533.084	0.00000000E+00
262	0.00000000E+00	0.00000000E+00	2530.8518	-22356.804	-20441.012	0.00000000E+00

ELEM= 139	FX	FY	FZ	MX	MY	MZ
247	0.00000000E+00	0.00000000E+00	-3057.5916	34791.502	-28393.600	0.00000000E+00
248	0.00000000E+00	0.00000000E+00	3087.1095	48400.287	32649.906	0.00000000E+00
264	0.00000000E+00	0.00000000E+00	-2873.7300	-45764.385	30489.591	0.00000000E+00
263	0.00000000E+00	0.00000000E+00	2427.7108	-32576.925	-26481.946	0.00000000E+00

ELEM= 140	FX	FY	FZ	MX	MY	MZ
248	0.00000000E+00	0.00000000E+00	-2735.7053	44621.307	-32643.683	0.00000000E+00
249	0.00000000E+00	0.00000000E+00	2830.3555	57191.803	35182.673	0.00000000E+00
265	0.00000000E+00	0.00000000E+00	-2787.8379	-53902.785	32884.633	0.00000000E+00
264	0.00000000E+00	0.00000000E+00	2276.6863	-41731.148	-30508.564	0.00000000E+00

ELEM= 141	FX	FY	FZ	MX	MY	MZ
249	0.00000000E+00	0.00000000E+00	-2425.2243	53386.404	-35139.382	0.00000000E+00
250	0.00000000E+00	0.00000000E+00	2581.3997	64902.157	36306.196	0.00000000E+00
266	0.00000000E+00	0.00000000E+00	-2674.9141	-61000.613	34045.934	0.00000000E+00
265	0.00000000E+00	0.00000000E+00	2102.2374	-49853.654	-32963.917	0.00000000E+00

ELEM= 142	FX	FY	FZ	MX	MY	MZ
250	0.00000000E+00	0.00000000E+00	-2137.4642	61138.301	-36231.865	0.00000000E+00
251	0.00000000E+00	0.00000000E+00	2350.6071	71655.781	36272.112	0.00000000E+00
267	0.00000000E+00	0.00000000E+00	-2555.5788	-67189.816	34198.117	0.00000000E+00
266	0.00000000E+00	0.00000000E+00	1925.9346	-57007.839	-34174.097	0.00000000E+00

ELEM= 143	FX	FY	FZ	MX	MY	MZ
251	0.00000000E+00	0.00000000E+00	-1881.5604	67953.551	-36171.849	0.00000000E+00
252	0.00000000E+00	0.00000000E+00	2146.8377	77588.295	35242.585	0.00000000E+00
268	0.00000000E+00	0.00000000E+00	-2447.6432	-72606.844	33481.573	0.00000000E+00
267	0.00000000E+00	0.00000000E+00	1765.8645	-63275.032	-34366.382	0.00000000E+00

ELEM= 144	FX	FY	FZ	MX	MY	MZ
252	0.00000000E+00	0.00000000E+00	-1665.0839	73927.338	-35119.112	0.00000000E+00
253	0.00000000E+00	0.00000000E+00	1978.0389	82845.109	33298.798	0.00000000E+00
269	0.00000000E+00	0.00000000E+00	-2366.9032	-77391.372	31965.824	0.00000000E+00
268	0.00000000E+00	0.00000000E+00	1637.4468	-68748.479	-33685.537	0.00000000E+00

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ELEM= 145	FX	FY	FZ	MX	MY	MZ
253	0.00000000E+00	0.00000000E+00	-1494.9330	79169.536	-33151.733	0.00000000E+00
254	0.00000000E+00	0.00000000E+00	1852.1582	87582.839	30447.652	0.00000000E+00
270	0.00000000E+00	0.00000000E+00	-2328.3558	-81687.280	29658.254	0.00000000E+00
269	0.00000000E+00	0.00000000E+00	1554.6293	-73529.388	-32205.932	0.00000000E+00

ELEM= 146	FX	FY	FZ	MX	MY	MZ
254	0.00000000E+00	0.00000000E+00	-1378.3345	83804.166	-30272.817	0.00000000E+00
255	0.00000000E+00	0.00000000E+00	1778.3957	91973.537	26626.051	0.00000000E+00
271	0.00000000E+00	0.00000000E+00	-2347.6887	-85643.121	26510.097	0.00000000E+00
270	0.00000000E+00	0.00000000E+00	1531.1262	-77725.021	-29939.760	0.00000000E+00

ELEM= 147	FX	FY	FZ	MX	MY	MZ
255	0.00000000E+00	0.00000000E+00	-1324.0416	87974.429	-26413.231	0.00000000E+00
256	0.00000000E+00	0.00000000E+00	1769.3458	96209.705	21706.749	0.00000000E+00
272	0.00000000E+00	0.00000000E+00	-2443.2598	-89404.404	22421.331	0.00000000E+00
271	0.00000000E+00	0.00000000E+00	1581.4544	-81447.212	-26841.852	0.00000000E+00

ELEM= 148	FX	FY	FZ	MX	MY	MZ
256	0.00000000E+00	0.00000000E+00	-1344.2213	91857.089	-21430.781	0.00000000E+00
257	0.00000000E+00	0.00000000E+00	1845.4296	100494.83	15529.515	0.00000000E+00
273	0.00000000E+00	0.00000000E+00	-2639.0795	-93070.235	17235.189	0.00000000E+00
272	0.00000000E+00	0.00000000E+00	1721.3698	-84808.718	-22807.749	0.00000000E+00

ELEM= 149	FX	FY	FZ	MX	MY	MZ
257	0.00000000E+00	0.00000000E+00	-1455.1045	95634.013	-15135.485	0.00000000E+00
258	0.00000000E+00	0.00000000E+00	2021.2145	104841.47	7954.6046	0.00000000E+00
274	0.00000000E+00	0.00000000E+00	-2950.7284	-96745.432	10693.835	0.00000000E+00
273	0.00000000E+00	0.00000000E+00	1968.1170	-87933.096	-17649.712	0.00000000E+00

ELEM= 150	FX	FY	FZ	MX	MY	MZ
258	0.00000000E+00	0.00000000E+00	-1623.2862	99344.411	-7511.1671	0.00000000E+00
259	0.00000000E+00	0.00000000E+00	2291.9178	109594.10	-1674.3367	0.00000000E+00
275	0.00000000E+00	0.00000000E+00	-3423.5690	-100230.30	2221.3087	0.00000000E+00
274	0.00000000E+00	0.00000000E+00	2338.4360	-90819.818	-11134.455	0.00000000E+00

ELEM= 151	FX	FY	FZ	MX	MY	MZ
260	0.00000000E+00	0.00000000E+00	-5439.0893	-1177.5840	-94.440818	0.00000000E+00
261	0.00000000E+00	0.00000000E+00	5268.3441	13732.564	11855.124	0.00000000E+00
277	0.00000000E+00	0.00000000E+00	-4313.3471	-12880.660	10900.219	0.00000000E+00
276	0.00000000E+00	0.00000000E+00	4067.5910	1090.7920	138.75304	0.00000000E+00

ELEM= 152	FX	FY	FZ	MX	MY	MZ
261	0.00000000E+00	0.00000000E+00	-5091.6594	11320.194	-12029.484	0.00000000E+00
262	0.00000000E+00	0.00000000E+00	5045.4756	25629.193	20476.809	0.00000000E+00
278	0.00000000E+00	0.00000000E+00	-4423.5933	-23648.102	18473.058	0.00000000E+00
277	0.00000000E+00	0.00000000E+00	4053.2758	-9995.1215	-10649.778	0.00000000E+00

ELEM= 153	FX	FY	FZ	MX	MY	MZ
262	0.00000000E+00	0.00000000E+00	-4705.8152	22624.152	-20599.473	0.00000000E+00
263	0.00000000E+00	0.00000000E+00	4764.0464	36160.689	26447.207	0.00000000E+00
279	0.00000000E+00	0.00000000E+00	-4401.3356	-33101.333	23651.805	0.00000000E+00
278	0.00000000E+00	0.00000000E+00	3926.6031	-20247.279	-18308.695	0.00000000E+00

ELEM= 154	FX	FY	FZ	MX	MY	MZ
263	0.00000000E+00	0.00000000E+00	-4282.4716	32879.635	-26498.344	0.00000000E+00
264	0.00000000E+00	0.00000000E+00	4445.7287	45439.176	30327.944	0.00000000E+00
280	0.00000000E+00	0.00000000E+00	-4281.8250	-41324.603	27061.820	0.00000000E+00
279	0.00000000E+00	0.00000000E+00	3702.0666	-29415.450	-23597.194	0.00000000E+00

ELEM= 155	FX	FY	FZ	MX	MY	MZ
264	0.00000000E+00	0.00000000E+00	-3848.6850	42056.357	-30308.971	0.00000000E+00
265	0.00000000E+00	0.00000000E+00	4111.9764	53566.096	32571.288	0.00000000E+00
281	0.00000000E+00	0.00000000E+00	-4101.2534	-48452.576	29135.703	0.00000000E+00
280	0.00000000E+00	0.00000000E+00	3421.4606	-37550.418	-27106.136	0.00000000E+00

ELEM= 156	FX	FY	FZ	MX	MY	MZ
265	0.00000000E+00	0.00000000E+00	-3426.3759	50190.343	-32492.003	0.00000000E+00
266	0.00000000E+00	0.00000000E+00	3782.9021	60662.276	33517.175	0.00000000E+00
282	0.00000000E+00	0.00000000E+00	-3892.5165	-54624.348	30167.384	0.00000000E+00
281	0.00000000E+00	0.00000000E+00	3119.4889	-44706.822	-29259.285	0.00000000E+00

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ELEM= 157	FX	FY	FZ	MX	MY	MZ
266	0.00000000E+00	0.00000000E+00	-3033.9226	57346.176	-33389.012	0.00000000E+00
267	0.00000000E+00	0.00000000E+00	3475.6784	66855.108	33405.242	0.00000000E+00
283	0.00000000E+00	0.00000000E+00	-3683.2047	-59975.805	30350.067	0.00000000E+00
282	0.00000000E+00	0.00000000E+00	2824.9476	-50965.348	-30352.099	0.00000000E+00
ELEM= 158	FX	FY	FZ	MX	MY	MZ
267	0.00000000E+00	0.00000000E+00	-2685.9642	63609.740	-33236.977	0.00000000E+00
268	0.00000000E+00	0.00000000E+00	3204.8230	72275.911	32387.334	0.00000000E+00
284	0.00000000E+00	0.00000000E+00	-3496.3127	-64636.739	29801.718	0.00000000E+00
283	0.00000000E+00	0.00000000E+00	2560.9526	-56415.878	-30583.561	0.00000000E+00
ELEM= 159	FX	FY	FZ	MX	MY	MZ
268	0.00000000E+00	0.00000000E+00	-2394.6266	69079.413	-32183.371	0.00000000E+00
269	0.00000000E+00	0.00000000E+00	2983.2005	77059.112	30538.314	0.00000000E+00
285	0.00000000E+00	0.00000000E+00	-3351.8367	-68731.773	28579.614	0.00000000E+00
284	0.00000000E+00	0.00000000E+00	2346.7615	-61151.532	-30078.114	0.00000000E+00
ELEM= 160	FX	FY	FZ	MX	MY	MZ
269	0.00000000E+00	0.00000000E+00	-2170.9266	73861.647	-30298.206	0.00000000E+00
270	0.00000000E+00	0.00000000E+00	2823.3172	81342.971	27863.938	0.00000000E+00
286	0.00000000E+00	0.00000000E+00	-3268.5829	-72381.900	26687.717	0.00000000E+00
285	0.00000000E+00	0.00000000E+00	2199.6909	-65265.636	-28898.943	0.00000000E+00
ELEM= 161	FX	FY	FZ	MX	MY	MZ
270	0.00000000E+00	0.00000000E+00	-2026.0876	78069.330	-27582.432	0.00000000E+00
271	0.00000000E+00	0.00000000E+00	2738.6235	85270.060	24306.507	0.00000000E+00
287	0.00000000E+00	0.00000000E+00	-3265.8679	-75704.702	24078.142	0.00000000E+00
286	0.00000000E+00	0.00000000E+00	2136.8306	-68850.641	-27054.494	0.00000000E+00
ELEM= 162	FX	FY	FZ	MX	MY	MZ
271	0.00000000E+00	0.00000000E+00	-1972.3892	81820.274	-23974.751	0.00000000E+00
272	0.00000000E+00	0.00000000E+00	2744.0252	88982.086	19749.655	0.00000000E+00
288	0.00000000E+00	0.00000000E+00	-3364.4537	-78814.813	20644.540	0.00000000E+00
287	0.00000000E+00	0.00000000E+00	2176.3164	-71997.859	-24498.130	0.00000000E+00
ELEM= 163	FX	FY	FZ	MX	MY	MZ
272	0.00000000E+00	0.00000000E+00	-2022.1352	85231.036	-19363.237	0.00000000E+00
273	0.00000000E+00	0.00000000E+00	2854.7502	92617.193	14017.509	0.00000000E+00
289	0.00000000E+00	0.00000000E+00	-3586.8260	-81818.485	16198.286	0.00000000E+00
288	0.00000000E+00	0.00000000E+00	2337.7097	-74796.085	-21119.531	0.00000000E+00
ELEM= 164	FX	FY	FZ	MX	MY	MZ
273	0.00000000E+00	0.00000000E+00	-2183.7877	88386.138	-13602.986	0.00000000E+00
274	0.00000000E+00	0.00000000E+00	3071.5212	96222.203	6846.0225	0.00000000E+00
290	0.00000000E+00	0.00000000E+00	-3945.4621	-84908.671	10427.540	0.00000000E+00
289	0.00000000E+00	0.00000000E+00	2641.2272	-77341.592	-16718.104	0.00000000E+00
ELEM= 165	FX	FY	FZ	MX	MY	MZ
274	0.00000000E+00	0.00000000E+00	-2459.2289	91343.048	-6405.4029	0.00000000E+00
275	0.00000000E+00	0.00000000E+00	3423.5690	100230.30	-2221.3087	0.00000000E+00
291	0.00000000E+00	0.00000000E+00	-4485.9129	-87959.409	2886.2493	0.00000000E+00
290	0.00000000E+00	0.00000000E+00	3105.0715	-79693.084	-10999.766	0.00000000E+00
ELEM= 166	FX	FY	FZ	MX	MY	MZ
276	0.00000000E+00	0.00000000E+00	-6761.3222	-1090.7920	-138.75304	0.00000000E+00
277	0.00000000E+00	0.00000000E+00	6606.2417	12471.839	10706.028	0.00000000E+00
293	0.00000000E+00	0.00000000E+00	-5788.4755	-11258.757	9351.5462	0.00000000E+00
292	0.00000000E+00	0.00000000E+00	5527.0547	962.38047	191.10872	0.00000000E+00
ELEM= 167	FX	FY	FZ	MX	MY	MZ
277	0.00000000E+00	0.00000000E+00	-6346.1703	10403.943	-10956.469	0.00000000E+00
278	0.00000000E+00	0.00000000E+00	6368.8829	23245.273	18339.136	0.00000000E+00
294	0.00000000E+00	0.00000000E+00	-5867.8657	-20422.884	15539.112	0.00000000E+00
293	0.00000000E+00	0.00000000E+00	5428.6518	-8514.6824	-9020.1284	0.00000000E+00
ELEM= 168	FX	FY	FZ	MX	MY	MZ
278	0.00000000E+00	0.00000000E+00	-5871.8927	20650.108	-18503.498	0.00000000E+00
279	0.00000000E+00	0.00000000E+00	6042.7041	32649.454	23504.632	0.00000000E+00
295	0.00000000E+00	0.00000000E+00	-5774.9144	-28301.911	19677.602	0.00000000E+00
294	0.00000000E+00	0.00000000E+00	5187.6017	-17264.785	-15348.345	0.00000000E+00

ELEM= 169	FX	FY	FZ	MX	MY	MZ
279	0.00000000E+00	0.00000000E+00	-5343.4350	29867.329	-23559.242	0.00000000E+00
280	0.00000000E+00	0.00000000E+00	5661.1676	40849.151	26783.025	0.00000000E+00
296	0.00000000E+00	0.00000000E+00	-5564.2667	-35034.870	22399.984	0.00000000E+00
295	0.00000000E+00	0.00000000E+00	4830.0328	-24951.552	-19642.795	0.00000000E+00

ELEM= 170	FX	FY	FZ	MX	MY	MZ
280	0.00000000E+00	0.00000000E+00	-4800.8032	38025.870	-26738.710	0.00000000E+00
281	0.00000000E+00	0.00000000E+00	5255.5478	47971.604	28619.163	0.00000000E+00
297	0.00000000E+00	0.00000000E+00	-5286.5659	-40798.450	24081.241	0.00000000E+00
296	0.00000000E+00	0.00000000E+00	4415.3200	-31673.921	-22487.935	0.00000000E+00

ELEM= 171	FX	FY	FZ	MX	MY	MZ
281	0.00000000E+00	0.00000000E+00	-4273.7834	45187.794	-28495.581	0.00000000E+00
282	0.00000000E+00	0.00000000E+00	4853.5634	54150.976	29332.011	0.00000000E+00
298	0.00000000E+00	0.00000000E+00	-4983.5349	-45745.614	24956.624	0.00000000E+00
297	0.00000000E+00	0.00000000E+00	3987.2535	-37517.328	-24258.782	0.00000000E+00

ELEM= 172	FX	FY	FZ	MX	MY	MZ
282	0.00000000E+00	0.00000000E+00	-3785.9945	51438.720	-29147.297	0.00000000E+00
283	0.00000000E+00	0.00000000E+00	4477.9866	59515.733	29138.491	0.00000000E+00
299	0.00000000E+00	0.00000000E+00	-4687.9361	-50008.214	25175.187	0.00000000E+00
298	0.00000000E+00	0.00000000E+00	3579.4427	-42581.287	-25199.678	0.00000000E+00

ELEM= 173	FX	FY	FZ	MX	MY	MZ
283	0.00000000E+00	0.00000000E+00	-3355.7344	56875.950	-28904.997	0.00000000E+00
284	0.00000000E+00	0.00000000E+00	4147.6296	64189.140	28172.378	0.00000000E+00
300	0.00000000E+00	0.00000000E+00	-4426.0623	-53701.503	24826.507	0.00000000E+00
299	0.00000000E+00	0.00000000E+00	3217.6658	-46960.612	-25469.457	0.00000000E+00

ELEM= 174	FX	FY	FZ	MX	MY	MZ
284	0.00000000E+00	0.00000000E+00	-2998.0784	61599.131	-27895.981	0.00000000E+00
285	0.00000000E+00	0.00000000E+00	3878.8855	68290.322	26497.765	0.00000000E+00
301	0.00000000E+00	0.00000000E+00	-4220.3552	-56929.405	23953.046	0.00000000E+00
300	0.00000000E+00	0.00000000E+00	2923.0467	-50743.268	-25165.923	0.00000000E+00

ELEM= 175	FX	FY	FZ	MX	MY	MZ
285	0.00000000E+00	0.00000000E+00	-2726.7397	65707.087	-26178.436	0.00000000E+00
286	0.00000000E+00	0.00000000E+00	3687.3151	71936.010	24117.070	0.00000000E+00
302	0.00000000E+00	0.00000000E+00	-4091.7314	-59788.682	22554.738	0.00000000E+00
301	0.00000000E+00	0.00000000E+00	2714.6546	-54010.363	-24338.218	0.00000000E+00

ELEM= 176	FX	FY	FZ	MX	MY	MZ
286	0.00000000E+00	0.00000000E+00	-2555.5629	69296.531	-23750.293	0.00000000E+00
287	0.00000000E+00	0.00000000E+00	3588.9441	75242.659	20973.969	0.00000000E+00
303	0.00000000E+00	0.00000000E+00	-4061.5349	-62372.882	20586.844	0.00000000E+00
302	0.00000000E+00	0.00000000E+00	2611.6523	-56837.019	-22991.586	0.00000000E+00

ELEM= 177	FX	FY	FZ	MX	MY	MZ
287	0.00000000E+00	0.00000000E+00	-2499.3926	72459.902	-20553.981	0.00000000E+00
288	0.00000000E+00	0.00000000E+00	3600.5693	78327.699	16949.880	0.00000000E+00
304	0.00000000E+00	0.00000000E+00	-4152.7475	-64781.679	17948.377	0.00000000E+00
303	0.00000000E+00	0.00000000E+00	2635.0694	-59293.602	-21085.255	0.00000000E+00

ELEM= 178	FX	FY	FZ	MX	MY	MZ
288	0.00000000E+00	0.00000000E+00	-2573.8253	75283.200	-16474.889	0.00000000E+00
289	0.00000000E+00	0.00000000E+00	3740.1031	81328.670	11849.378	0.00000000E+00
305	0.00000000E+00	0.00000000E+00	-4391.5670	-67124.639	14459.812	0.00000000E+00
304	0.00000000E+00	0.00000000E+00	2808.7879	-61446.849	-18521.280	0.00000000E+00

ELEM= 179	FX	FY	FZ	MX	MY	MZ
289	0.00000000E+00	0.00000000E+00	-2794.5043	77831.407	-11329.560	0.00000000E+00
290	0.00000000E+00	0.00000000E+00	4016.4041	84351.592	5370.2286	0.00000000E+00
306	0.00000000E+00	0.00000000E+00	-4798.3252	-69637.353	9823.2553	0.00000000E+00
305	0.00000000E+00	0.00000000E+00	3159.9241	-63370.577	-15107.865	0.00000000E+00

ELEM= 180	FX	FY	FZ	MX	MY	MZ
290	0.00000000E+00	0.00000000E+00	-3176.0135	80250.163	-4798.0019	0.00000000E+00
291	0.00000000E+00	0.00000000E+00	4485.9129	87959.409	-2886.2493	0.00000000E+00
307	0.00000000E+00	0.00000000E+00	-5440.4245	-72097.813	3624.5684	0.00000000E+00
306	0.00000000E+00	0.00000000E+00	3714.0237	-65141.496	-10567.031	0.00000000E+00

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ELEM= 181	FX	FY	FZ	MX	MY	MZ
292	0.00000000E+00	0.00000000E+00	-7874.4408	-962.38047	-191.10872	0.00000000E+00
293	0.00000000E+00	0.00000000E+00	7739.6374	10676.622	9077.5008	0.00000000E+00
309	0.00000000E+00	0.00000000E+00	-7112.8476	-9000.9462	7224.7102	0.00000000E+00
308	0.00000000E+00	0.00000000E+00	6831.1496	785.02964	255.69073	0.00000000E+00

ELEM= 182	FX	FY	FZ	MX	MY	MZ
293	0.00000000E+00	0.00000000E+00	-7379.8137	9096.8171	-9408.9186	0.00000000E+00
294	0.00000000E+00	0.00000000E+00	7490.2971	19846.393	15336.562	0.00000000E+00
310	0.00000000E+00	0.00000000E+00	-7151.5202	-15954.112	11618.564	0.00000000E+00
309	0.00000000E+00	0.00000000E+00	6624.5355	-6486.9237	-6824.4669	0.00000000E+00

ELEM= 183	FX	FY	FZ	MX	MY	MZ
294	0.00000000E+00	0.00000000E+00	-6810.0330	17841.275	-15527.329	0.00000000E+00
295	0.00000000E+00	0.00000000E+00	7122.0963	27670.687	19424.323	0.00000000E+00
311	0.00000000E+00	0.00000000E+00	-6974.5008	-21717.980	14520.837	0.00000000E+00
310	0.00000000E+00	0.00000000E+00	6245.9362	-13179.578	-11443.246	0.00000000E+00

ELEM= 184	FX	FY	FZ	MX	MY	MZ
295	0.00000000E+00	0.00000000E+00	-6177.2147	25582.776	-19459.129	0.00000000E+00
296	0.00000000E+00	0.00000000E+00	6683.4580	34394.285	21926.742	0.00000000E+00
312	0.00000000E+00	0.00000000E+00	-6667.2519	-26526.139	16470.072	0.00000000E+00
311	0.00000000E+00	0.00000000E+00	5744.5073	-18875.246	-14538.333	0.00000000E+00

ELEM= 185	FX	FY	FZ	MX	MY	MZ
296	0.00000000E+00	0.00000000E+00	-5534.5113	32314.506	-21838.791	0.00000000E+00
297	0.00000000E+00	0.00000000E+00	6215.6151	40171.408	23260.158	0.00000000E+00
313	0.00000000E+00	0.00000000E+00	-6294.8697	-30585.908	17721.572	0.00000000E+00
312	0.00000000E+00	0.00000000E+00	5197.2646	-23757.175	-16614.616	0.00000000E+00

ELEM= 186	FX	FY	FZ	MX	MY	MZ
297	0.00000000E+00	0.00000000E+00	-4916.3027	38144.370	-23082.616	0.00000000E+00
298	0.00000000E+00	0.00000000E+00	5752.5494	45144.546	23702.543	0.00000000E+00
314	0.00000000E+00	0.00000000E+00	-5904.7632	-34041.384	18429.851	0.00000000E+00
313	0.00000000E+00	0.00000000E+00	4652.0151	-27939.784	-17951.455	0.00000000E+00

ELEM= 187	FX	FY	FZ	MX	MY	MZ
298	0.00000000E+00	0.00000000E+00	-4348.4572	43182.355	-23459.489	0.00000000E+00
299	0.00000000E+00	0.00000000E+00	5320.9721	49436.130	23433.796	0.00000000E+00
315	0.00000000E+00	0.00000000E+00	-5531.9503	-37001.964	18692.568	0.00000000E+00
314	0.00000000E+00	0.00000000E+00	4142.9341	-31528.904	-18720.333	0.00000000E+00

ELEM= 188	FX	FY	FZ	MX	MY	MZ
299	0.00000000E+00	0.00000000E+00	-3850.7019	47532.695	-23139.526	0.00000000E+00
300	0.00000000E+00	0.00000000E+00	4942.4850	53154.883	22560.901	0.00000000E+00
316	0.00000000E+00	0.00000000E+00	-5203.8260	-39556.089	18568.735	0.00000000E+00
315	0.00000000E+00	0.00000000E+00	3695.5416	-34610.801	-19030.680	0.00000000E+00

ELEM= 189	FX	FY	FZ	MX	MY	MZ
300	0.00000000E+00	0.00000000E+00	-3439.4694	51289.888	-22221.485	0.00000000E+00
301	0.00000000E+00	0.00000000E+00	4635.7445	56399.970	21132.631	0.00000000E+00
317	0.00000000E+00	0.00000000E+00	-4943.6235	-41779.847	18086.176	0.00000000E+00
316	0.00000000E+00	0.00000000E+00	3330.8470	-37257.685	-18950.037	0.00000000E+00

ELEM= 190	FX	FY	FZ	MX	MY	MZ
301	0.00000000E+00	0.00000000E+00	-3130.0440	54539.799	-20747.459	0.00000000E+00
302	0.00000000E+00	0.00000000E+00	4418.3912	59264.818	19146.366	0.00000000E+00
318	0.00000000E+00	0.00000000E+00	-4773.1046	-43742.695	17243.527	0.00000000E+00
317	0.00000000E+00	0.00000000E+00	3068.2560	-39531.324	-18513.103	0.00000000E+00

ELEM= 191	FX	FY	FZ	MX	MY	MZ
302	0.00000000E+00	0.00000000E+00	-2938.3122	57360.883	-18709.518	0.00000000E+00
303	0.00000000E+00	0.00000000E+00	4308.6400	61841.248	16547.962	0.00000000E+00
319	0.00000000E+00	0.00000000E+00	-4714.7696	-45513.249	16007.754	0.00000000E+00
318	0.00000000E+00	0.00000000E+00	2927.9404	-41485.882	-17724.625	0.00000000E+00

ELEM= 192	FX	FY	FZ	MX	MY	MZ
303	0.00000000E+00	0.00000000E+00	-2882.1746	59825.236	-16049.551	0.00000000E+00
304	0.00000000E+00	0.00000000E+00	4326.6587	64226.489	13221.972	0.00000000E+00
320	0.00000000E+00	0.00000000E+00	-4794.1446	-47165.918	14304.742	0.00000000E+00
319	0.00000000E+00	0.00000000E+00	2933.1591	-43170.017	-16558.173	0.00000000E+00

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ELEM= 193	FX	FY	FZ	MX	MY	MZ
304	0.00000000E+00	0.00000000E+00	-2982.6990	62002.039	-12649.068	0.00000000E+00
305	0.00000000E+00	0.00000000E+00	4497.3107	66555.380	8973.8576	0.00000000E+00
321	0.00000000E+00	0.00000000E+00	-5043.2954	-48787.797	12002.511	0.00000000E+00
320	0.00000000E+00	0.00000000E+00	3112.1823	-44623.229	-14946.887	0.00000000E+00
ELEM= 194	FX	FY	FZ	MX	MY	MZ
305	0.00000000E+00	0.00000000E+00	-3265.6679	63939.836	-8325.8048	0.00000000E+00
306	0.00000000E+00	0.00000000E+00	4839.9648	68943.545	3477.6916	0.00000000E+00
322	0.00000000E+00	0.00000000E+00	-5500.3628	-50628.416	8778.2602	0.00000000E+00
321	0.00000000E+00	0.00000000E+00	3509.5645	-45890.993	-12792.234	0.00000000E+00
ELEM= 195	FX	FY	FZ	MX	MY	MZ
306	0.00000000E+00	0.00000000E+00	-3755.6634	65835.304	-2733.9159	0.00000000E+00
307	0.00000000E+00	0.00000000E+00	5440.4245	72097.813	-3624.5684	0.00000000E+00
323	0.00000000E+00	0.00000000E+00	-6247.9052	-52290.856	4358.4073	0.00000000E+00
322	0.00000000E+00	0.00000000E+00	4146.6428	-47024.820	-9744.8324	0.00000000E+00
ELEM= 196	FX	FY	FZ	MX	MY	MZ
308	0.00000000E+00	0.00000000E+00	-8703.5201	-785.02964	-255.69073	0.00000000E+00
309	0.00000000E+00	0.00000000E+00	8592.4342	8155.3714	6844.8235	0.00000000E+00
325	0.00000000E+00	0.00000000E+00	-8225.9625	-5823.4161	4339.5797	0.00000000E+00
324	0.00000000E+00	0.00000000E+00	7920.5471	435.23565	335.84620	0.00000000E+00
ELEM= 197	FX	FY	FZ	MX	MY	MZ
309	0.00000000E+00	0.00000000E+00	-8104.1221	7332.4984	-7245.0668	0.00000000E+00
310	0.00000000E+00	0.00000000E+00	8341.6740	15139.497	11302.546	0.00000000E+00
326	0.00000000E+00	0.00000000E+00	-8205.2284	-9714.2146	6568.5419	0.00000000E+00
325	0.00000000E+00	0.00000000E+00	7551.1751	-3663.4069	-3869.9747	0.00000000E+00
ELEM= 198	FX	FY	FZ	MX	MY	MZ
310	0.00000000E+00	0.00000000E+00	-7436.0901	13994.194	-11477.864	0.00000000E+00
311	0.00000000E+00	0.00000000E+00	7941.9747	20876.909	14057.302	0.00000000E+00
327	0.00000000E+00	0.00000000E+00	-7933.2275	-12766.842	8134.8760	0.00000000E+00
326	0.00000000E+00	0.00000000E+00	7010.8415	-7535.9001	-6461.1550	0.00000000E+00
ELEM= 199	FX	FY	FZ	MX	MY	MZ
311	0.00000000E+00	0.00000000E+00	-6711.9812	19716.317	-14039.806	0.00000000E+00
312	0.00000000E+00	0.00000000E+00	7460.7780	25717.475	15648.559	0.00000000E+00
328	0.00000000E+00	0.00000000E+00	-7534.6230	-15253.190	9269.4709	0.00000000E+00
327	0.00000000E+00	0.00000000E+00	6369.3248	-10656.834	-8243.8732	0.00000000E+00
ELEM= 200	FX	FY	FZ	MX	MY	MZ
312	0.00000000E+00	0.00000000E+00	-5990.7907	24565.839	-15504.015	0.00000000E+00
313	0.00000000E+00	0.00000000E+00	6948.2393	29824.562	16420.167	0.00000000E+00
329	0.00000000E+00	0.00000000E+00	-7080.9853	-17332.389	10066.755	0.00000000E+00
328	0.00000000E+00	0.00000000E+00	5707.0353	-13277.745	-9503.0151	0.00000000E+00
ELEM= 201	FX	FY	FZ	MX	MY	MZ
313	0.00000000E+00	0.00000000E+00	-5305.3847	28701.130	-16190.284	0.00000000E+00
314	0.00000000E+00	0.00000000E+00	6442.6080	33331.303	16579.616	0.00000000E+00
330	0.00000000E+00	0.00000000E+00	-6620.1409	-19092.262	10595.656	0.00000000E+00
329	0.00000000E+00	0.00000000E+00	5066.4162	-15492.501	-10382.918	0.00000000E+00
ELEM= 202	FX	FY	FZ	MX	MY	MZ
314	0.00000000E+00	0.00000000E+00	-4680.7789	32238.985	-16289.133	0.00000000E+00
315	0.00000000E+00	0.00000000E+00	5972.8471	36339.534	16254.230	0.00000000E+00
331	0.00000000E+00	0.00000000E+00	-6186.4629	-20595.006	10901.343	0.00000000E+00
330	0.00000000E+00	0.00000000E+00	4477.8935	-17377.009	-10971.597	0.00000000E+00
ELEM= 203	FX	FY	FZ	MX	MY	MZ
315	0.00000000E+00	0.00000000E+00	-4136.4383	35273.231	-15916.117	0.00000000E+00
316	0.00000000E+00	0.00000000E+00	5562.1061	38933.202	15516.890	0.00000000E+00
332	0.00000000E+00	0.00000000E+00	-5806.7470	-21888.821	11012.142	0.00000000E+00
331	0.00000000E+00	0.00000000E+00	3964.5778	-18985.677	-11326.161	0.00000000E+00
ELEM= 204	FX	FY	FZ	MX	MY	MZ
316	0.00000000E+00	0.00000000E+00	-3689.1272	37880.571	-15135.588	0.00000000E+00
317	0.00000000E+00	0.00000000E+00	5230.4179	41185.015	14398.381	0.00000000E+00
333	0.00000000E+00	0.00000000E+00	-5503.9048	-23014.390	10942.172	0.00000000E+00
332	0.00000000E+00	0.00000000E+00	3546.1128	-20360.553	-11483.597	0.00000000E+00

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ELEM= 217	FX	FY	FZ	MX	MY	MZ
330	0.00000000E+00	0.00000000E+00	-4754.1760	18165.568	-7582.6824	0.00000000E+00
331	0.00000000E+00	0.00000000E+00	6412.0277	19869.224	7610.6290	0.00000000E+00
347	0.00000000E+00	0.00000000E+00	-6600.2763	-381.52967	2112.1278	0.00000000E+00
346	0.00000000E+00	0.00000000E+00	4525.9233	415.22542	-1748.0333	0.00000000E+00

ELEM= 218	FX	FY	FZ	MX	MY	MZ
331	0.00000000E+00	0.00000000E+00	-4190.1426	19711.458	-7185.8103	0.00000000E+00
332	0.00000000E+00	0.00000000E+00	5989.2848	21213.043	7053.4974	0.00000000E+00
348	0.00000000E+00	0.00000000E+00	-6185.5579	-355.21640	2479.2010	0.00000000E+00
347	0.00000000E+00	0.00000000E+00	3969.9144	381.52967	-2112.1278	0.00000000E+00

ELEM= 219	FX	FY	FZ	MX	MY	MZ
332	0.00000000E+00	0.00000000E+00	-3728.6506	21036.331	-6582.0420	0.00000000E+00
333	0.00000000E+00	0.00000000E+00	5649.2407	22373.844	6301.0101	0.00000000E+00
349	0.00000000E+00	0.00000000E+00	-5852.7060	-337.04097	2854.0256	0.00000000E+00
348	0.00000000E+00	0.00000000E+00	3515.6146	355.21640	-2479.2010	0.00000000E+00

ELEM= 220	FX	FY	FZ	MX	MY	MZ
333	0.00000000E+00	0.00000000E+00	-3386.7052	22175.957	-5777.3713	0.00000000E+00
334	0.00000000E+00	0.00000000E+00	5412.2879	23386.024	5345.8482	0.00000000E+00
350	0.00000000E+00	0.00000000E+00	-5622.5495	-328.82201	3246.1339	0.00000000E+00
349	0.00000000E+00	0.00000000E+00	3180.4655	337.04097	-2854.0256	0.00000000E+00

ELEM= 221	FX	FY	FZ	MX	MY	MZ
334	0.00000000E+00	0.00000000E+00	-3183.3251	23161.067	-4756.8631	0.00000000E+00
335	0.00000000E+00	0.00000000E+00	5300.5740	24283.183	4156.4922	0.00000000E+00
351	0.00000000E+00	0.00000000E+00	-5518.1382	-332.88144	3663.9599	0.00000000E+00
350	0.00000000E+00	0.00000000E+00	2984.3880	328.82201	-3246.1339	0.00000000E+00

ELEM= 222	FX	FY	FZ	MX	MY	MZ
335	0.00000000E+00	0.00000000E+00	-3142.4138	24022.229	-3475.3234	0.00000000E+00
336	0.00000000E+00	0.00000000E+00	5340.9258	25106.842	2675.6728	0.00000000E+00
352	0.00000000E+00	0.00000000E+00	-5564.3470	-363.99401	4166.2680	0.00000000E+00
351	0.00000000E+00	0.00000000E+00	2949.3337	332.88144	-3663.9599	0.00000000E+00

ELEM= 223	FX	FY	FZ	MX	MY	MZ
336	0.00000000E+00	0.00000000E+00	-3293.7628	24785.420	-1884.0428	0.00000000E+00
337	0.00000000E+00	0.00000000E+00	5570.4714	25918.710	777.38230	0.00000000E+00
353	0.00000000E+00	0.00000000E+00	-5815.8685	-374.95347	4544.8592	0.00000000E+00
352	0.00000000E+00	0.00000000E+00	3122.6585	363.99401	-4166.2680	0.00000000E+00

ELEM= 224	FX	FY	FZ	MX	MY	MZ
337	0.00000000E+00	0.00000000E+00	-3697.6756	25563.373	320.11387	0.00000000E+00
338	0.00000000E+00	0.00000000E+00	6036.9684	26786.620	-1442.0327	0.00000000E+00
354	0.00000000E+00	0.00000000E+00	-6208.3761	-755.05939	6388.8999	0.00000000E+00
353	0.00000000E+00	0.00000000E+00	3452.5820	374.95347	-4544.8592	0.00000000E+00

ELEM= 225	FX	FY	FZ	MX	MY	MZ
338	0.00000000E+00	0.00000000E+00	-4339.7063	25860.913	2115.1513	0.00000000E+00
339	0.00000000E+00	0.00000000E+00	6825.0761	28333.886	-5257.6674	0.00000000E+00
355	0.00000000E+00	0.00000000E+00	-7519.6235	-0.39808789E-09	0.62963940E-10	0.00000000E+00
354	0.00000000E+00	0.00000000E+00	4617.7524	755.05939	-6388.8999	0.00000000E+00

NODE	FX	FY	FZ	MX	MY	MZ
100	0.00000000E+00	0.00000000E+00	-8712.3349	0.00000000E+00	0.00000000E+00	0.00000000E+00
101	0.00000000E+00	0.00000000E+00	1018.2137	0.00000000E+00	0.00000000E+00	0.00000000E+00
102	0.00000000E+00	0.00000000E+00	1584.2201	0.00000000E+00	0.00000000E+00	0.00000000E+00
103	0.00000000E+00	0.00000000E+00	1960.0522	0.00000000E+00	0.00000000E+00	0.00000000E+00
104	0.00000000E+00	0.00000000E+00	2229.5457	0.00000000E+00	0.00000000E+00	0.00000000E+00
105	0.00000000E+00	0.00000000E+00	2419.8299	0.00000000E+00	0.00000000E+00	0.00000000E+00
106	0.00000000E+00	0.00000000E+00	2549.7182	0.00000000E+00	0.00000000E+00	0.00000000E+00
107	0.00000000E+00	0.00000000E+00	2630.7574	0.00000000E+00	0.00000000E+00	0.00000000E+00
108	0.00000000E+00	0.00000000E+00	2670.2260	0.00000000E+00	0.00000000E+00	0.00000000E+00
109	0.00000000E+00	0.00000000E+00	2672.2195	0.00000000E+00	0.00000000E+00	0.00000000E+00
110	0.00000000E+00	0.00000000E+00	2637.5474	0.00000000E+00	0.00000000E+00	0.00000000E+00
111	0.00000000E+00	0.00000000E+00	2567.2176	0.00000000E+00	0.00000000E+00	0.00000000E+00
112	0.00000000E+00	0.00000000E+00	2438.8505	0.00000000E+00	0.00000000E+00	0.00000000E+00
113	0.00000000E+00	0.00000000E+00	2358.6363	0.00000000E+00	0.00000000E+00	0.00000000E+00
114	0.00000000E+00	0.00000000E+00	1587.1338	0.00000000E+00	0.00000000E+00	0.00000000E+00
115	0.00000000E+00	0.00000000E+00	7459.1828	0.00000000E+00	0.00000000E+00	0.00000000E+00
116	0.00000000E+00	0.00000000E+00	1178.3156	0.00000000E+00	0.00000000E+00	0.00000000E+00
132	0.00000000E+00	0.00000000E+00	1871.9013	0.00000000E+00	0.00000000E+00	0.00000000E+00
148	0.00000000E+00	0.00000000E+00	2346.7833	0.00000000E+00	0.00000000E+00	0.00000000E+00
164	0.00000000E+00	0.00000000E+00	2693.0977	0.00000000E+00	0.00000000E+00	0.00000000E+00
180	0.00000000E+00	0.00000000E+00	2935.2445	0.00000000E+00	0.00000000E+00	0.00000000E+00
196	0.00000000E+00	0.00000000E+00	3089.8272	0.00000000E+00	0.00000000E+00	0.00000000E+00
212	0.00000000E+00	0.00000000E+00	3165.2800	0.00000000E+00	0.00000000E+00	0.00000000E+00
228	0.00000000E+00	0.00000000E+00	3165.4138	0.00000000E+00	0.00000000E+00	0.00000000E+00
244	0.00000000E+00	0.00000000E+00	3090.2048	0.00000000E+00	0.00000000E+00	0.00000000E+00
260	0.00000000E+00	0.00000000E+00	2935.7988	0.00000000E+00	0.00000000E+00	0.00000000E+00
276	0.00000000E+00	0.00000000E+00	2693.7313	0.00000000E+00	0.00000000E+00	0.00000000E+00
292	0.00000000E+00	0.00000000E+00	2347.3860	0.00000000E+00	0.00000000E+00	0.00000000E+00
308	0.00000000E+00	0.00000000E+00	1872.3705	0.00000000E+00	0.00000000E+00	0.00000000E+00
324	0.00000000E+00	0.00000000E+00	1178.5709	0.00000000E+00	0.00000000E+00	0.00000000E+00
340	0.00000000E+00	0.00000000E+00	-8714.5168	0.00000000E+00	0.00000000E+00	0.00000000E+00
341	0.00000000E+00	0.00000000E+00	1018.1475	0.00000000E+00	0.00000000E+00	0.00000000E+00
342	0.00000000E+00	0.00000000E+00	1584.0856	0.00000000E+00	0.00000000E+00	0.00000000E+00
343	0.00000000E+00	0.00000000E+00	1959.8458	0.00000000E+00	0.00000000E+00	0.00000000E+00
344	0.00000000E+00	0.00000000E+00	2229.2647	0.00000000E+00	0.00000000E+00	0.00000000E+00
345	0.00000000E+00	0.00000000E+00	2419.4789	0.00000000E+00	0.00000000E+00	0.00000000E+00
346	0.00000000E+00	0.00000000E+00	2549.3183	0.00000000E+00	0.00000000E+00	0.00000000E+00
347	0.00000000E+00	0.00000000E+00	2630.3619	0.00000000E+00	0.00000000E+00	0.00000000E+00
348	0.00000000E+00	0.00000000E+00	2669.9433	0.00000000E+00	0.00000000E+00	0.00000000E+00
349	0.00000000E+00	0.00000000E+00	2672.2405	0.00000000E+00	0.00000000E+00	0.00000000E+00
350	0.00000000E+00	0.00000000E+00	2638.1616	0.00000000E+00	0.00000000E+00	0.00000000E+00
351	0.00000000E+00	0.00000000E+00	2568.8045	0.00000000E+00	0.00000000E+00	0.00000000E+00
352	0.00000000E+00	0.00000000E+00	2441.6885	0.00000000E+00	0.00000000E+00	0.00000000E+00
353	0.00000000E+00	0.00000000E+00	2363.2865	0.00000000E+00	0.00000000E+00	0.00000000E+00
354	0.00000000E+00	0.00000000E+00	1590.6238	0.00000000E+00	0.00000000E+00	0.00000000E+00
355	0.00000000E+00	0.00000000E+00	7519.6235	0.00000000E+00	0.00000000E+00	0.00000000E+00
TOTAL	0.00000000E+00	0.00000000E+00	94775.300	0.00000000E+00	0.00000000E+00	0.00000000E+00

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APPENDIX B

BUILDING PLAN

4 — 12.5' — 5
(OBSERVATION PT.)

D

16'
(OBSERVATION PT.)

C
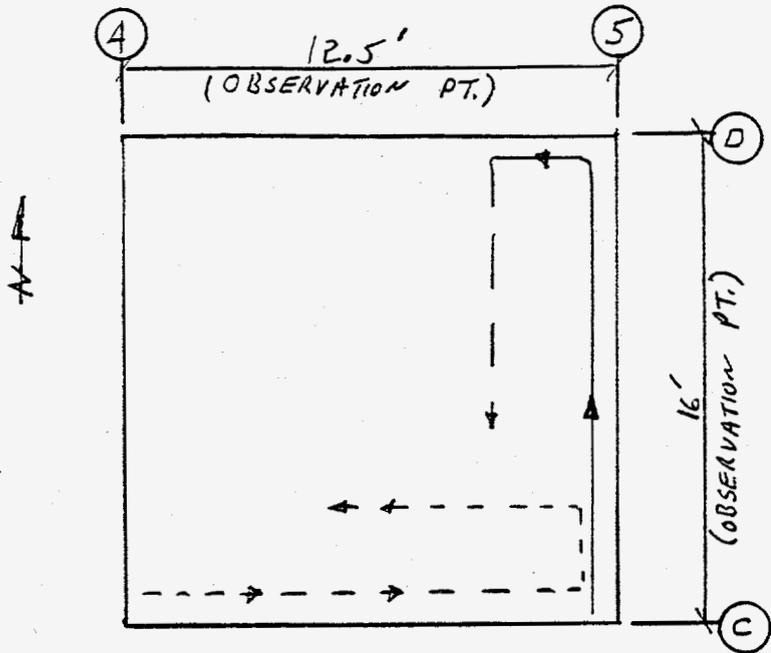
HIGH ROOF AREA (METAL)
(LOADED AND UNLOADED)

1 — 25.5'

A

25.25'
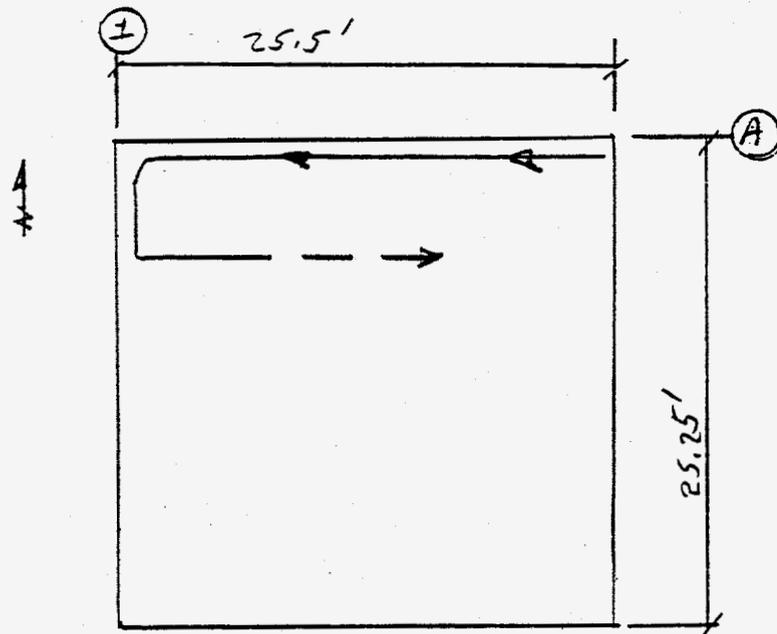
CONCRETE ROOF AREA
(LOADED AND UNLOADED)

3701D BUILDING PLAN

APPENDIX C

JOB HAZARDS ANALYSIS

HANFORD JOB HAZARD ANALYSIS CHECKLIST

Page 1 of 2

Prepared By R. M. McCoy	Date 04/25/94	Area 300	Bldg. 3701D

Scope/Description: Roof load test of the 3701D Building using a remotely operated robot

[X] New
[ ] Revised

Emergency Contact Person(s):

Primary:

Secondary:

Emergency Radio/Phone Number: MOBIL 811

JHA Number (not required):

Specific Work Location(s): 3701D Building Roof

KNOWN OR POTENTIAL HAZARDS

	Yes	No	✓	●	Reference		Yes	No	✓	●	Reference
1. Radiation Area Work		X	✓	●		10. Respiratory Hazards		X	✓		
2. Hazardous Waste Operations		X	✓	●		11. Electrical Hazards		X	✓		
3. Confined Space Entry		X	✓	●		12. Lock and Tag		X	✓	●	
4. Cutting/Welding		X		●		13. Scaffolding		X			
5. Roof Work	X				See page 2	14. Aerial Lifts	X		✓		See page 2
6. Fall Hazards (> = 10')	X				See page 2	15. Asbestos Removal		X	✓	●	
7. Excavation/Trenching		X		●		16. Other (see JHA Sht. 2):		X			
8. Asbestos Inspection Report		X		●		✓ = Formal training required.					
9. Hazardous Materials		X	✓			● = Items than require a permit/form/report.					

Other Hazards	Yes	No	Control Measures
1. Temperature Extremes		X	
2. Noise		X	
3. Poor Lighting		X	
4. Animals/Insects		X	
5. Process Chemicals/Steam		X	
6. Dust		X	
7. Flammable/Combustible Materials		X	
8. Ladders		X	
9. Wet/Slippery Floors		X	
10. Uneven Terrain		X	
11. Open Excavations/Trenches	X		No roof access in untested areas
12. Adjacent Water Hazard		X	
13. Vehicle Traffic	X		Baracade off work area and post
14. Heavy Equipment		X	
15. Rigging Operation		X	
16. Manual Lifting	X		Manual lifting of weights, see page 2 for control measures
17. Power Tools	X		Robot will be operated by trained and qualified operators
18. Pinch Points	X		See page 2 for control measures
19. Falling Objects	X		Baracade off work area and post area as no access.
20. Sharp Objects		X	
21. Overhead Obstructions		X	
22. Site Control (Signs/Barricades)	X		"CAUTION" tape & "DANGER" sign will be used to baracade area
23. Remote Work Area		X	
24. Other (see JHA Sht. 2):		X	

MINIMUM DRESS REQUIREMENTS: Dress for outside work / safety shoes / hard hat / safety glasses

APPROVALS

Does further evaluation of the job steps, associated hazards, or safety measures need to be performed?   [ ] Yes   [ ] No

If Yes, continue job hazard analysis on the following pages.

Supervisor, Person in Charge R. M. McCoy
(Signature)
R. M. McCoy

Industrial Safety/Hygiene C. M. Hartman
(Signature)

54-3000-220 (03/93)

C2

HANFORD JOB HAZARD ANALYSIS CHECKLIST

Roof Work   Load testing the roof deck and supporting structure will be
                         performed from the roof top.

Fall Hazard   The fall hazard associated with this task is a property-
                         damage risk and a personnel hazard. See fall-protection
                         program.

Aerial Lift   The operator of the scissors lift (leased) will have formal
                         training on aerial lifts and review with the supplier of the
                         scissor lift the operations of the scissor lift.

Manual Lifting   Lifting of the robot weights has the potential for back
                         injury.

                         Correct lifting methods shall be used, and the robot
                         operators who will be doing the lifting have been trained in
                         these methods during group safety meetings.

                         Weights shall be lifted onto the robot only on areas of the
                         roof that have already been qualified by visual inspection.

Pinch Points   The operation of the robot produces pinch points. During
                         the operation of the robot, all personnel shall maintain a
                         minimum distance of 10 ft except for the operators of the
                         robot. The operators shall maintain a distance of 2 ft from
                         the pinch point areas during the robot operations.

APPENDIX D

FALL-PROTECTION PROGRAM

FALL-PROTECTION PROGRAM

PART A: SCISSORS LIFT

A scissors lift will be used to place the robot on and off the roof. When the robot is moved between the scissors lift and the roof, one section of the handrail will be removed. The scissors lift can also be used as an observation platform.

Fall protection will be required. A full body harness with an 8-ft lanyard attached to an approved anchor point on the scissors lift will be used.

Personnel requiring the use of fall-arrest equipment shall be trained and instructed in its use.

PART B: ROBOT ROOF ACCESS

The fall hazard associated with the robot is loss of property only.

To restrict access to the area under the roof that is being load tested, the following precautions will be used where applicable.

- Lock doors into the test area and post with "DANGER" signs.
- Barricade off the area with "CAUTION" tape and post with "DANGER" signs.

PART C: PERSONNEL ROOF ACCESS

Personnel and the robot shall be separated by a minimum of one column line, except when the robot is located directly over the ridge beam. The ridge beam is the only place on the roof where the robot, the weights, and test personnel are permitted to be in the same roof area at the same time.

Personnel are to maintain a minimum distance of 6 ft from the edge of the roof. If personnel are required to be within 6 ft of the edge, then an approved fall-arrest system will be used.

PART D: AERIAL BOOM LIFT

Personnel in an aerial boom lift shall wear full body harness with lanyard attached to an approved anchor point on the lift.

APPENDIX E

PRE-JOB BRIEFING MINUTES

Pre-Job Briefing Minutes

Date: 7-16-94

Building: 3701D BUILDING

Attendance: R. M. McCoy, J. S. Huisingh

The pre-job briefing meeting was attended by Central Engineering and Projects. The meeting covered the procedure to load-test the 3701D Building.

The following topics were reviewed:

- Risk associated with the load test
- The building plan
- The job hazards analysis
- The fall-protection program
- Safety barricading requirements.

Any additional personnel who come onto the test site must read the 3701D Building test report (WHC-SD-GN-TRP-30011) and review the above topics.

WORK RELEASE FOR CONSTRUCTION/SERVICE ORGANIZATIONS

1. Date	2. Shift	3. ~~Bldg~~/Area	4. Contractor/Service Org. Point of Contact	5. Phone No.	6. Job Number
7-8-94	DAY	300	ROOF TESTING GROUP	376-0411	———

7. Job Description

LOAD TEST THE FOLLOWING ROOFS IN ACCORDANCE WITH APPROVED
TEST PROCEDURES:

3701D, 3701U, & 3790

8. Support Required (Operator, HPT, others)

NONE

9. Special Requirements (Health, Safety, etc.) for Work Release by Facility Release Authority

IN ACCORDANCE WITH THE APPROVED PROCEDURE

RELEASE APPROVED FROM ~~7-9-94~~ 7-16-94 7:00 AM TO ~~7-9-94~~ 7-16-94, 1600

1400 7/15/94

10. Lockout Number	11. Facility Release Authority (print)	12. Signature	13. Time	14. Date
N/A.	Charle R HAGGERTY		9:45 AM	7/8/94

15. End of Shift Status, including work complete and cleanup (Provide to Release Authority Prior to Shift Change)

16. Lockout Removed YES [ ] NO [ ]	17. Facility Owner/Operations End of Shift

Buff - Field Copy   White - Facility Owner/Operations

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