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STRESS GENERATION IN THERMALLY GROWN OXIDE FILMS

Contractor's Final Report

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STRESS GENERATION IN THERMALLY GROWN OXIDE FILMS

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ABSTRACT

A three-dimensional finite element analysis was conducted, using the ANSYS computer program, of the stress state in a thin oxide film thermally formed on a rectangular piece of NiCrAl alloy. The analytical results indicated a very high compressive stress in the lateral directions of the film (approximately 6200 MPa a low tensile stress in the normal direction in the film (approximately 2 to 10 MPa), and tensile stresses in the metal substrate that ranged from essentially zero to about 55 MPa. It was found further that the intensity of the analytically determined average stresses could be approximated reasonably well by the modification of an equation developed previously by Oxx for stresses induced into bodies by thermal gradients.

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STRESS GENERATION IN THERMALLY GROWN OXIDE FILMS

Introduction

The superalloys employed in aerospace applications generally exhibit relatively poor oxidation resistance at elevated temperatures. To withstand these high temperatures, the superalloys must be coated with more oxidation resistant alloys. The success of the coating alloys is dependent on their ability to form a protective oxide scale which serves as a barrier to rapid oxidation. These highly protective oxide scales must exhibit good adherence to the metal substrate. However, under thermal cycling conditions, stresses develop in the scale which promotes spallation of even the most adherent oxide scales. The attainment of a fundamental understanding of the oxidation of coating alloys requires a knowledge of the stress state which develops in the oxide scale and the influence of these stresses on oxide spallation. Currently, the generation of stresses in thermally grown oxide scales is not well understood

Phenomenologically, the oxidation of coating alloys has been well documented and models which describe oxidation and spalling have been proposed (1-5). These models, however, do not incorporate a detailed analysis of the stress state in the oxide scale. Other investigations (6-8) have considered the stresses in the scale in somewhat more detail but still a complete rationalization of the observed oxidation characteristics of coating alloys is not possible.

Experimental Approach

The state of stress in a thin oxide scale formed at elevated temperature and cooled to room temperature has been analyzed with the three-dimensional finite element method (3-D FEM) using the computer program ANSYS. A one μm thick layer of Al_2O_3 was assumed to form at 1100°C (≅ 2000°F) in a stress free condition on one surface of a 25.4 x 10.2 x 2.54 mm (1.0 x 0.4 x 0.1 in) rectangular slab of NiCrAl, Fig. 1. After oxide formation, the solid was cooled to 25°C(77°F) and stresses were cal-

culated in both oxide and metal assuming linear elastic behavior. Physical and elastic parameters were assumed to be independent of temperature with values as follows:

	Metal (NiCrAl)	Oxide (Al_2O_3)
Modulus of elasticity, E	206,000MPa	402,000 MPa
Poisson's ratio, ν	0.33	0.23
Thermal expansion coefficient, α	$20 \times 10^{-6}/^{o}C$	$9 \times 10^{-6}/^{o}C$

The symmetry of the oxide coated metal sample about the z-axis allows simplification of the FEM modeling to one quarter of the total sample as shown in Fig. 2. The elements used for modeling were all isoparametric solids of the STIFF 45 type. These elements are defined by eight nodal points and have three translational degrees of freedom at each node. A total of 675 elements arranged in 27 layers of 25 elements were used. The oxide contained five layers of elements of equal size and the remaining 550 elements were distributed through the metal. The metal elements have the same initial x and y dimensions as the oxide elements but the z dimension becomes larger with increasing distance from the oxide-metal interface, Fig. 3.

Results and Discussion

The results of the computations for the stresses in three different lateral positions on the oxide-coated metal sample --- the center, the outside corner, and a location midway between the first two (locations 1, 13, and 25 of Fig. 2) --- are shown as a function of vertical (z-direction) in Table I.

As a result of the large temperature change assumed in this calculation the normal stresses in the x and y directions in the oxide are very large. They are always compressive and nearly uniform through the film. The magnitude of these stresses is on the order of 6200 MPa (900 ksi). On

crossing the oxide metal interface, the normal stresses in the x and y directions become smaller and are tensile in nature. The largest stress in the metal is ≅ 15 MPa (2.2 ksi) and occurs near the oxide metal interface. The stresses decline toward zero as the lower surface of the metal is approached. The normal stress in the z direction range from -10 to +10 MPa (1.5 - +1.5 ksi) in both the oxide and metal. It is a function of all three coordinates and does not vary in a simple fashion. Shear stress in both metal and oxide are small by comparison with the normal stresses.

The large stresses reported above for the oxide would not occur in practice. Cracking of the oxide or plastic deformation of the metal would undoubtedly occur first. None the less, this treatment is of value for comparison with the existing literature (8-11) which has considered the problem stresses induced in oxides or thin films in two dimensions only. For example, the work of Oxx (8) indicates the maximum stress in an oxide coating can be calculated from the relation

$$S_c = \frac{E_m E_c}{E_m + 2E_c \left(\frac{t_c}{t_m}\right)} (\Delta T)(\alpha_c - \alpha_m)$$

S_c = maximum coating stress

E_c, E_m = elastic moduli of coating and base metal respectively

α_c, α_m = thermal expansion coefficients of coating and base metal

t_c, t_m = thicknesses of coating and base metal respectively

ΔT = temperature change.

The geometry of the present example allows for a simplification of the Oxx equation because $t_c/t_m \ll 1$. Thus

$$S_c \cong E_c \Delta T (\alpha_c - \alpha_m)$$

Since $\Delta T = 1075^{o}C$ ($\cong 1900^{o}F$) and E_c, E_m, α_c, and α_m have values given earlier

$$S_c \cong 4800 \text{ MPa}(700 \text{ ksi})$$

This value is 20 to 25 percent lower than the FEM calculations reported earlier indicating that one dimensional estimates predict somewhat lower stresses than would actually exist.

Knowledge of the FEM results can be applied to modify the Oxx relationship to predict more accurately the peak normal stresses in the oxide. Since σ_x or σ_y are nearly equal and uniform throughout the oxide film and since σ_z is much less than σ_x or σ_y, the stress in the oxide can be approximate as biaxial. The strain in the x direction ε_x can be written as

$$\varepsilon_x = \frac{1}{E} \left[\sigma_x - \nu\sigma_y\right]$$

where $\sigma_x \cong \sigma_y$ Thus

$$\varepsilon_x = \frac{\sigma_x}{E} (1-\nu)$$

or

$$\sigma_x = \frac{E\varepsilon_x}{1-\nu} = \frac{E\ \Delta T(\alpha_c-\alpha_m)}{1-\nu}$$

$$\cong 6200 \text{ MPa}(900 \text{ ksi})$$

The Oxx equation can therefore be modified with a factor of $1/1-\nu$ and will predict the peak oxide stresses for a thin film in good agreement with a full three-dimensional stress analysis.

The preliminary results presented above clearly demonstrate the usefulness of the 3D FEM approach for analyzing the stress state in oxide

films. A complete description of all stresses is developed without need for assumptions which may be invalid or too limiting to describe the geometry of the problem. In addition the 3D FEM method can be readily extended to handle more complex input characteristic of a real metal-oxide system such as:

1. Temperature dependent elastic properties in both metal and oxide
2. Plastic deformation of the metal
3. Cracking of oxide

It might be noted that the very large values of the stresses in the oxide layer seem unreasonably great (nearing 900,000 psi), and in fact they are. However, this does not invalidate the analytical approach, either in its exact form, or in its approximate form. It merely means that other failure criteria --- plastic flow of the substrate, cracking or crushing of the oxide, spalling of the oxide under Hertzian stresses, etc. --- must be superimposed on the generated stresses appropriately to determine the relevant limiting condition .

ACKNOWLEDGEMENTS

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TABLE I

COMPUTED STRESS VALUES IN METAL AND OXIDE FILM*

ELEMENT NUMBER	DIST. FROM AIR-OXIDE INTERFACE Microns	NORMAL STRESS - MPa			SHEAR STRESS - MPa		
		σ_x	σ_y	σ_z	τ_{xy}	τ_{yz}	τ_{xz}
		CENTER OF SAMPLE					
1	0.1	-6154	-6153	1.65	0.0035	-1.20	-0.59
26	0.3	-6154	-6153	1.65	0.0035	-3.49	-1.21
51	0.5	-6154	-6153	1.65	0 0035	-5.92	-2.46
76	0.7	-6154	-6153	1.64	0.0035	-8.20	-3.71
101	0.9	-6154	-6153	1.64	0.0035	-10.60	-4.49
126	1.1	12.0	12.7	1.75	0.0016	-11.79	-5.08
151	1.3	12.0	12.7	1.75	0.0017	-11.71	-4.86
176	1.8	12.0	12.6	1.71	0.0017	-11.49	-4.91
251	6.0	11.7	12.2	1.50	0.0017	-10.10	-4.56
401	46.0	10.0	9.8	0.28	0 0017	-2.38	-2.75
501	301.0	7.9	8.0	-0.21	0 0016	0.50	0.35
601	1250.0	2.5	2.5	-0.37	0.0009	0.065	0.076
651	2250.0	-3.5	-3.4	-0.0012	0.0005	-0.0038	0.070

TABLE I - Continued

COMPUTED STRESS VALUES IN METAL AND OXIDE FILM*

ELEMENT NUMBER	DIST. FROM AIR-OXIDE INTERFACE Microns	NORMAL STRESS - MPa			SHEAR STRESS - MPa		
		σ_x	σ_y	σ_z	τ_{xy}	τ_{yz}	τ_{xz}
		MIDWAY BETWEEN CENTER AND CORNER					
13	0.1	-6142	-6134	8.80	0.035	-1.12	1.07
38	0.3	-6142	-6134	8.80	0.035	-3 79	-1.42
63	0.5	-6142	-6134	8.78	0.035	-6 16	-2.03
88	0.7	-6142	-6134	8.77	0.035	-8 50	-2.96
113	0.9	-6142	-6134	8.75	0.035	-10 60	-5.13
138	1.1	21.8	25.5	9.07	-0.017	-12.10	-4.91
163	1.3	21.8	25.4	9.03	-0 017	-11.8	-5.17
188	1.8	21.6	25.1	8.90	-0.017	-11.6	-4.92
263	6.0	20.4	23 1	7.94	-0.017	-10.5	-4.60
413	46.0	12.8	11 5	2.15	-0 017	-3.6	-3.08
513	301.0	6.7	6 9	-1.46	0.016	1.0	0.07
613	1250.0	2.7	2.5	0.12	0.009	-0 8	0 18
663	2250.0	-3.4	-3 5	0.09	0.005	0.05	0.07

TABLE I - Continued

COMPUTED STRESS VALUES IN METAL AND OXIDE FILM*

ELEMENT NUMBER	DIST. FROM AIR-OXIDE INTERFACE Microns	NORMAL STRESS - MPa			SHEAR STRESS - MPa		
		σ_x	σ_y	σ_z	τ_{xy}	τ_{yz}	τ_{xz}
		CORNER OF SAMPLE					
25	0.1	-6117	-6080	6.5	0.13	-0.21	-3.36
50	0.3	-6117	-6080	6 5	0.13	-3.47	-3.97
75	0.5	-6117	-6080	6.5	0.13	-4.43	-3.96
100	0.7	-6117	-6080	6.5	0 13	-8.81	-3 33
125	0.9	-6117	-6080	6.5	0.13	-11.64	-6.44
150	1.1	37.1	54.9	6.4	0.062	-12.40	-5.38
175	1.3	37.0	54.7	6.3	0.062	-12.18	-5.35
200	1.8	36.8	54.2	6.3	0.062	-12.00	-5.29
275	6.0	35.1	51.0	5.7	0.063	-11.62	-4.82
425	46.0	23.7	30.3	2.3	0.083	-8.62	-3.95
525	301.0	6.92	6.51	-1.5	0.25	-2.03	-1 49
625	1250.0	0.47	-0.26	-1.54	0.24	1.29	0.75
675	2250.0	-1.67	-0.76	-0.0028	0.015	0.49	0.42

* The first five sets of stresses listed for each of the three locations are values thatlie in the oxide film.

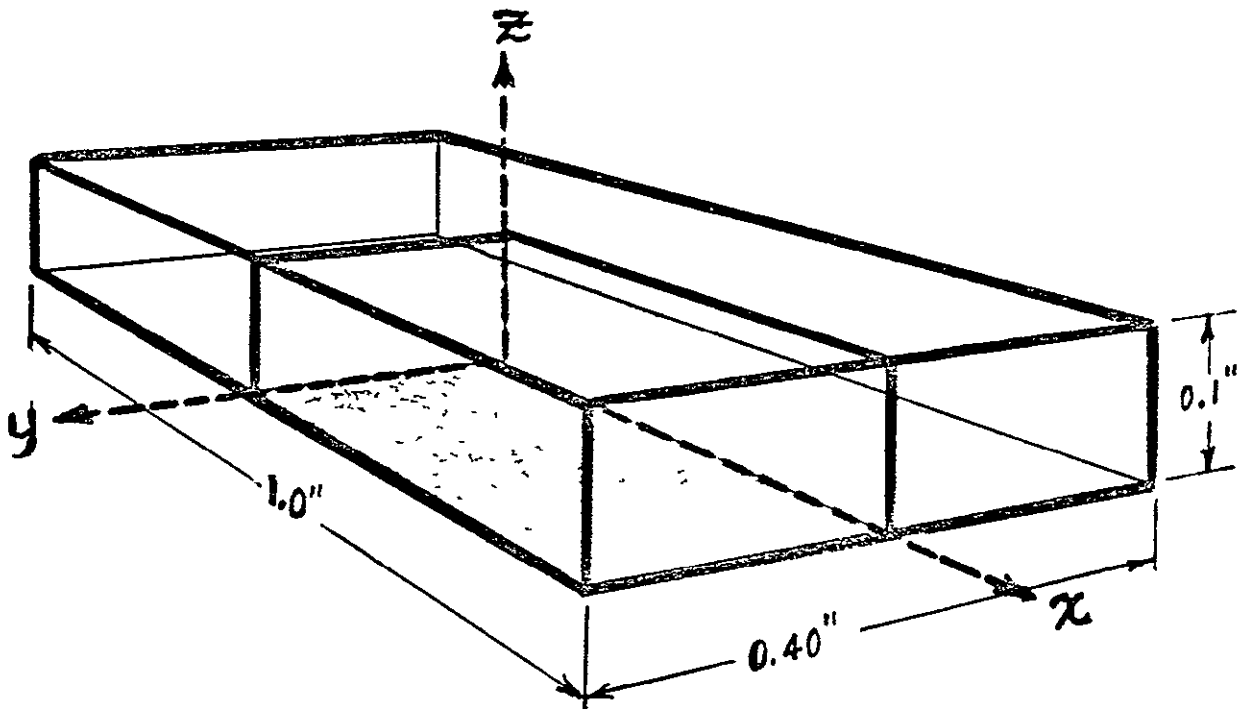
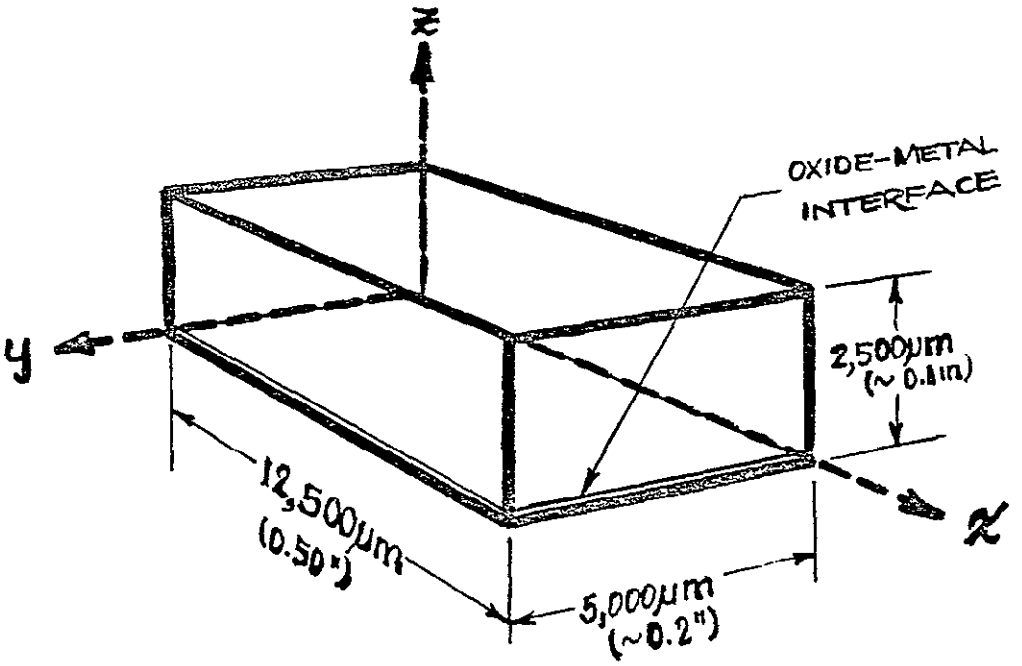


FIGURE 1. Illustration of the metallic block of alloy used for the finite element analysis. The shaded volume is the one-quarter which was divided into 27 layers with 25 elments in each.



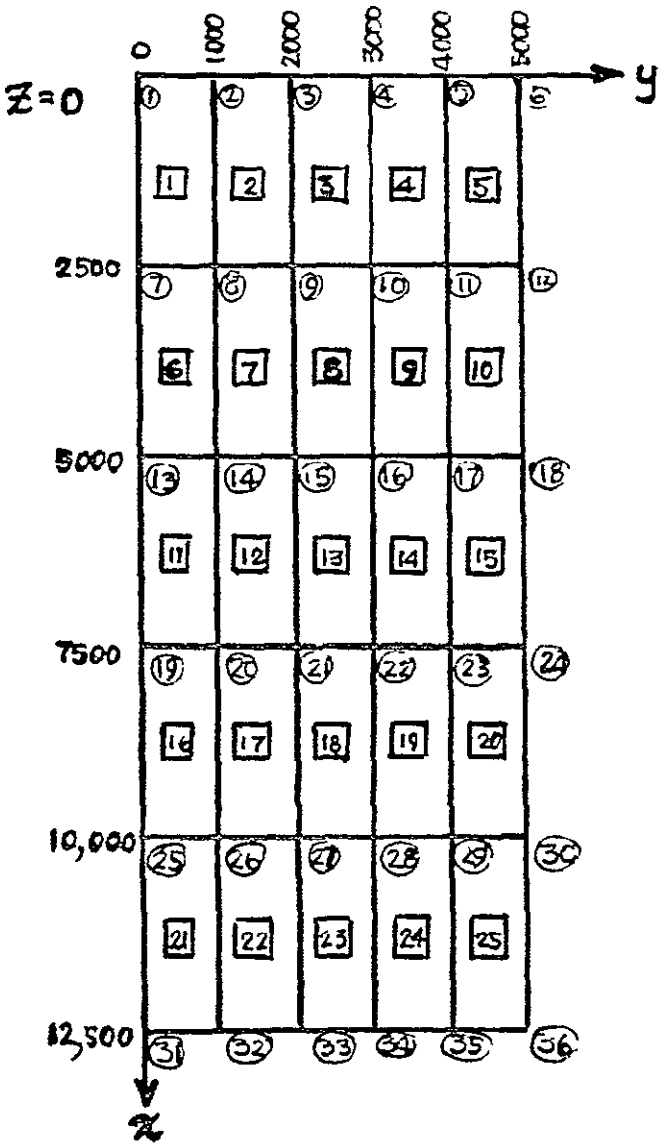


FIGURE 2· Dimensions of the block used in the finite element analysis, and the lay-out and numbering system used in the conduct of the calculations.

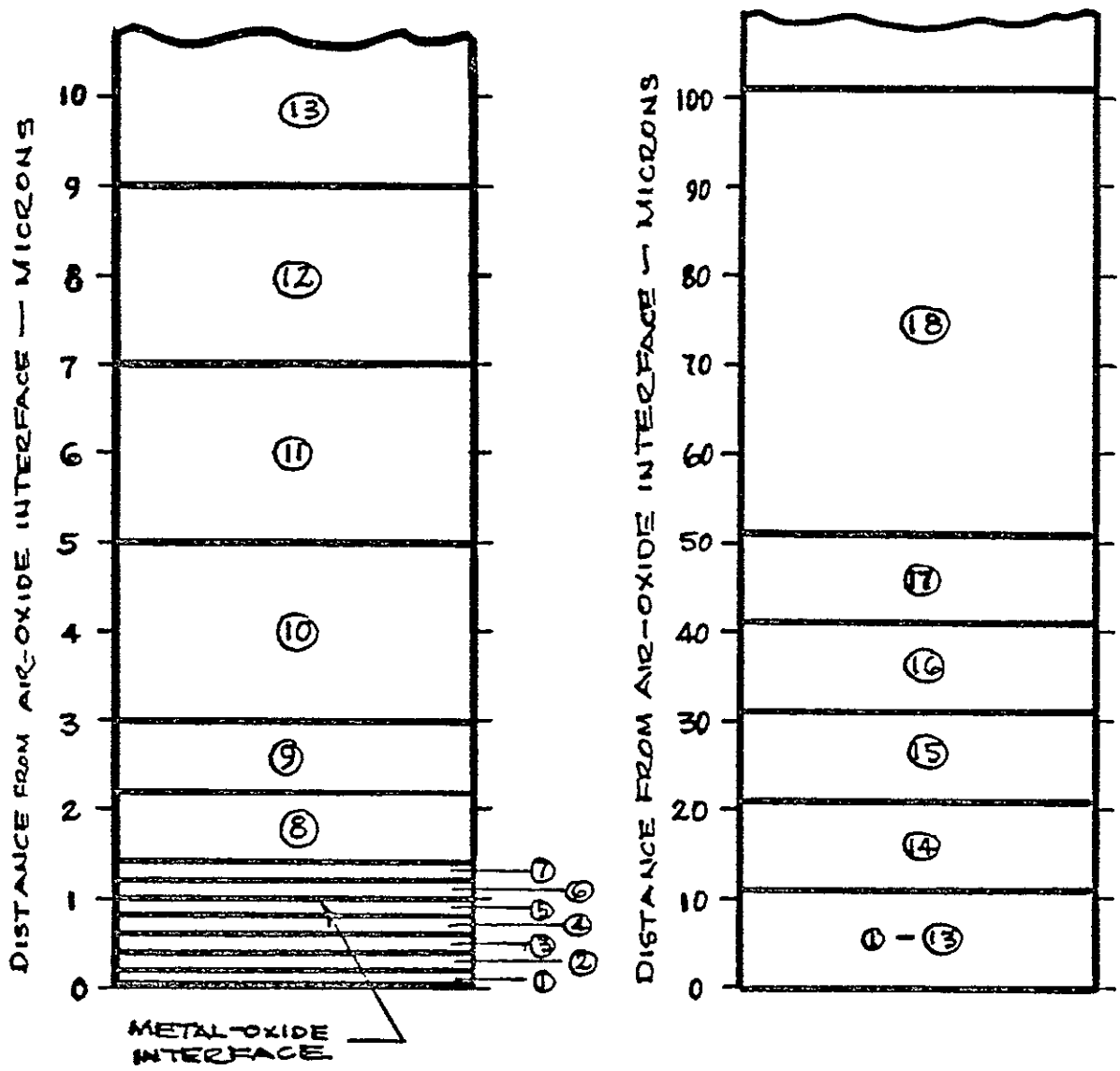


FIGURE 3· Dımensıons and sızes of the fırst 18 layers of the block used ın the fınıte element analysıs. Numbers ın cırcles ıdentıfy the specific layers.

APPENDIX

PRINT-OUT OF FINITE ELEMENT ANALYSIS RESULTS

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              ANSYS - ENGINEERING ANALYSIS SYSTEM   REVISION 3   UPDATE 67J1 CHI       JUNE 1,1979
        SWANSON ANALYSIS SYSTEMS, INC.       HOUSTON, PENNSYLVANIA 15342   PHONE (412) 746-3304

THREE-DIMENSIONAL OXIDE STRESS PROBLEM MESH GENERATION                       18.5403   2/20/81 CP= 1843.049

  ***** ELEMENT STRESSES *****  TIME =    .000000      LOAD STEP=   1   ITERATION=  1   CUM. ITER.=   1                SR

EL=    1  NODES=    1    7    8    2   37   43   44   38  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .125+04    500.       .100+00  TEMP=  25.0         TAUMX=    3077.6      SIGE=    6155.1
 EP=     -.011790     -.011785      .007045      .000000     -.000007     -.000004  EPPR=     .007045     -.011787     -.011787
 SIG=    -6154.2      -6152.7       1.6507      .34957-02    -1.2041      -.59125   SIGPR=   1.6502      -6153.5      -6153.5

EL=    2  NODES=    2    8    9    3   38   44   45   39  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    .100+00  TEMP=  25.0         TAUMX=    3082.3      SIGE=    6160.2
 EP=     -.011790     -.011817      .007045     -.000000      .000008     -.000002  EPPR=     .007045     -.011790     -.011817
 SIG=    -6158.8      -6167.8      -3.0969     -.22543-02    1.3544      -.27953   SIGPR=  -3.0972      -6158.8      -6167.8

EL=    3  NODES=    3    9   10    4   39   45   46   40  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    .100+00  TEMP=  25.0         TAUMX=    3077.9      SIGE=    6149.6
 EP=     -.011790     -.011750      .007046      .000000     -.000004     -.000003  EPPR=     .007046     -.011751     -.011789
 SIG=    -6149.3      -6136.4       6.6978      .15942-01    -.59659      -.43594   SIGPR=   6.6973      -6136.5      -6149.2

EL=    4  NODES=    4   10   11    5   40   46   47   41  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    .100+00  TEMP=  25.0         TAUMX=    3090.4      SIGE=    6168.8
 EP=     -.011790     -.011864      .007048      .000000      .000003     -.000003  EPPR=     .007048     -.011790     -.011864
 SIG=    -6164.9      -6189.1      -8.2342      .83705-02    .44114      -.43716   SIGPR=  -8.2349      -6164.9      -6189.0

EL=    5  NODES=    5   11   12    6   41   47   48   42  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    .100+00  TEMP=  25.0         TAUMX=    3071.4      SIGE=    6115.7
 EP=     -.011790     -.011623      .007005      .000001     -.000004     -.000002  EPPR=     .007005     -.011623     -.011790
 SIG=    -6137.3      -6082.9       5.3816      .11003      -.66839      -.27174   SIGPR=   5.3810      -6082.9      -6137.3

EL=    6  NODES=    7   13   14    8   43   49   50   44  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .375+04    500.       .100+00  TEMP=  25.0         TAUMX=    3080.0      SIGE=    6157.2
 EP=     -.011803     -.011785      .007045     -.000000     -.000007      .000003  EPPR=     .007045     -.011786     -.011803
 SIG=    -6160.4      -6154.6      -.33249     -.48606-02    -1.2017      .46510   SIGPR=  -.33289      -6154.7      -6160.3

EL=    7  NODES=    8   14   15    9   44   50   51   45  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    .100+00  TEMP=  25.0         TAUMX=    3082.1      SIGE=    6162.3
 EP=     -.011803     -.011817      .007045      .000000      .000007      .000003  EPPR=     .007045     -.011804     -.011816
 SIG=    -6165.0      -6169.7      -5.0805      .56216-02    1.2010      .45467   SIGPR=  -5.0809      -6165.3      -6169.4

EL=    8  NODES=    9   15   16   10   45   51   52   46  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    .100+00  TEMP=  25.0         TAUMX=    3080.1      SIGE=    6151.6
 EP=     -.011803     -.011750      .007045     -.000000     -.000009     -.000001  EPPR=     .007045     -.011750     -.011803
 SIG=    -6155.5      -6138.3       4.7095     -.19138-01    -1.5306      -.19815   SIGPR=   4.7093      -6138.3      -6155.4

EL=    9  NODES=   10   16   17   11   46   52   53   47  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    .100+00  TEMP=  25.0         TAUMX=    3090.4      SIGE=    6170.8
 EP=     -.011803     -.011864      .007047      .000000      .000011      .000002  EPPR=     .007047     -.011803     -.011864
 SIG=    -6171.0      -6190.9     -10.183       .37667-02    1.8418      .38537   SIGPR= -10.183       -6171.0      -6190.9

EL=   10  NODES=   11   17   18   12   47   53   54   48  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    .100+00  TEMP=  25.0         TAUMX=    3073.4      SIGE=    6117.8
```

```
 EP=     -.011803      -.011624       .007005      -.000001      -.000004       .000005  EPPR=      .007005     -.011624     -.011803
 SIG=    -6143.4       -6084.8         3.4701       -.13028       -.64643        .81961  SIGPR=     3.4697      -6084.9      -6143.4

 EL=   11  NODES=   13   19   20   14   49   55   56   50  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
 XC,YC,ZC=    .625+04     500.        .100+00  TEMP=  25.0      TAUMX=    3076.8      SIGE=    6152.6
 EP=     -.011774      -.011785       .007045       .000000      -.000007      -.000008  EPPR=      .007045     -.011775     -.011783
 SIG=    -6147.1       -6150.6         3.7452        .13355-01    -1.2169       -1.3834  SIGPR=     3.7451      -6147.7      -6149.9

 EL=   12  NODES=   14   20   21   15   50   56   57   51  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
 XC,YC,ZC=    .625+04     .150+04     .100+00  TEMP=  25.0      TAUMX=    3082.3      SIGE=    6157.7
 EP=     -.011774      -.011817       .007045      -.000000       .000009      -.000005  EPPR=      .007045     -.011774     -.011817
 SIG=    -6151.6       -6165.7        -1.0080       -.60401-02     1.4583       -.77035  SIGPR=    -1.0082      -6151.6      -6165.7

 EL=   13  NODES=   15   21   22   16   51   57   58   52  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
 XC,YC,ZC=    .625+04     .250+04     .100+00  TEMP=  25.0      TAUMX=    3075.4      SIGE=    6147.0
 EP=     -.011774      -.011750       .007046       .000000      -.000007       .000007  EPPR=      .007046     -.011751     -.011774
 SIG=    -6142.1       -6134.3         8.8013        .35033-01    -1.1151        1.0694  SIGPR=     8.8010      -6134.5      -6141.9

 EL=   14  NODES=   16   22   23   17   52   58   59   53  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
 XC,YC,ZC=    .625+04     .350+04     .100+00  TEMP=  25.0      TAUMX=    3090.4      SIGE=    6166.2
 EP=     -.011775      -.011864       .007048      -.000000       .000012       .000014  EPPR=      .007048     -.011775     -.011864
 SIG=    -6157.8       -6186.9        -6.1826       -.31979-01     1.9525        2.2735  SIGPR=    -6.1819      -6157.8      -6186.9

 EL=   15  NODES=   17   23   24   18   53   59   60   54  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
 XC,YC,ZC=    .625+04     .450+04     .100+00  TEMP=  25.0      TAUMX=    3068.9      SIGE=    6113.1
 EP=     -.011775      -.011623       .007005       .000001      -.000007       .000005  EPPR=      .007005     -.011623     -.011775
 SIG=    -6130.4       -6080.8         7.3679        .17540       -1.1873        .84894  SIGPR=     7.3676      -6080.8      -6130.4

 EL=   16  NODES=   19   25   26   20   55   61   62   56  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
 XC,YC,ZC=    .875+04     500.        .100+00  TEMP=  25.0      TAUMX=    3084.0      SIGE=    6161.6
 EP=     -.011825      -.011785       .007048      -.000000      -.000007      -.000011  EPPR=      .007048     -.011785     -.011824
 SIG=    -6170.2       -6157.3        -2.2086       -.35789-01    -1.1987       -1.8426  SIGPR=    -2.2086      -6157.4      -6170.1

 EL=   17  NODES=   20   26   27   21   56   62   63   57  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
 XC,YC,ZC=    .875+04     .150+04     .100+00  TEMP=  25.0      TAUMX=    3083.8      SIGE=    6166.6
 EP=     -.011825      -.011817       .007047       .000000       .000007      -.000002  EPPR=      .007047     -.011818     -.011824
 SIG=    -6174.7       -6172.4        -6.9499        .18292-01     1.2046       -.29483  SIGPR=    -6.9503      -6172.6      -6174.5

 EL=   18  NODES=   21   27   28   22   57   63   64   58  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
 XC,YC,ZC=    .875+04     .250+04     .100+00  TEMP=  25.0      TAUMX=    3084.1      SIGE=    6156.0
 EP=     -.011825      -.011750       .007048      -.000000      -.000006      -.000000  EPPR=      .007048     -.011750     -.011825
 SIG=    -6165.3       -6141.0         2.8346       -.53648-01    -1.0617       -.11677-01 SIGPR=     2.8341      -6141.0      -6165.3

 EL=   19  NODES=   22   28   29   23   58   64   65   59  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
 XC,YC,ZC=    .875+04     .350+04     .100+00  TEMP=  25.0      TAUMX=    3090.7      SIGE=    6175.0
 EP=     -.011824      -.011864       .007050       .000001       .000008       .000004  EPPR=      .007050     -.011824     -.011863
 SIG=    -6180.5       -6193.5        -11.976        .12284        1.3655        .57588  SIGPR=    -11.976      -6180.6      -6193.4

 EL=   20  NODES=   23   29   30   24   59   65   66   60  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
 XC,YC,ZC=    .875+04     .450+04     .100+00  TEMP=  25.0      TAUMX=    3077.1      SIGE=    6121.9
 EP=     -.011823      -.011623       .007007      -.000001      -.000009       .000002  EPPR=      .007007     -.011623     -.011823
 SIG=    -6152.5       -6087.3         1.7194       -.21134       -1.4280        .38419  SIGPR=     1.7191      -6087.3      -6152.5

 EL=   21  NODES=   25   31   32   26   61   67   68   62  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
```

```
 XC,YC,ZC=   .112+05   500.        .100+00  TEMP=  25.0       TAUMX=   3075.2      SIGE=   6142.9
  EP=     -.011739     -.011785     .007033     .000001     -.000007     -.000013  EPPR=     .007033     -.011740     -.011785
  SIG=    -6132.4      -6147.4      2.9663      .82516-01   -1.1428      -2.1455   SIGPR=    2.9666      -6132.5      -6147.4

 EL=    22  NODES=    26    32    33    27    62    68    69    63  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
 XC,YC,ZC=   .112+05   .150+04   .100+00  TEMP=  25.0       TAUMX=   3080.4      SIGE=   6148.0
  EP=     -.011739     -.011817     .007033     -.000000     .000008     .000004   EPPR=     .007033     -.011739     -.011817
  SIG=    -6137.0      -6162.5      -1.7644     -.77019-01   1.2604      .64908    SIGPR=    -1.7647     -6137.0      -6162.5

 EL=    23  NODES=    27    33    34    28    63    69    70    64  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
 XC,YC,ZC=   .112+05   .250+04   .100+00  TEMP=  25.0       TAUMX=   3069.2      SIGE=   6137.3
  EP=     -.011739     -.011750     .007034     .000001     -.000008     .000025   EPPR=     .007034     -.011741     -.011748
  SIG=    -6127.5      -6131.1      8.0284      .11170      -1.3881      4.0462    SIGPR=    8.0307      -6128.2      -6130.4

 EL=    24  NODES=    28    34    35    29    64    70    71    65  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
 XC,YC,ZC=   .112+05   .350+04   .100+00  TEMP=  25.0       TAUMX=   3086.5      SIGE=   6157.0
  EP=     -.011741     -.011864     .007036     -.000002     .000007     -.000010  EPPR=     .007036     -.011741     -.011864
  SIG=    -6143.8      -6183.8      -6.8574     -.25293      1.0749      -1.6144   SIGPR=    -6.8574     -6143.8      -6183.8

 EL=    25  NODES=    29    35    36    30    65    71    72    66  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
 XC,YC,ZC=   .112+05   .450+04   .100+00  TEMP=  25.0       TAUMX=   3061.9      SIGE=   6105.1
  EP=     -.011743     -.011627     .006995     .000001     -.000000     -.000021  EPPR=     .006995     -.011627     -.011743
  SIG=    -6117.4      -6079.5      6.5291      .13026      -.21377-01   -3.3577   SIGPR=    6.5303      -6079.6      -6117.3

 EL=    26  NODES=    37    43    44    38    73    79    80    74  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
 XC,YC,ZC=   .125+04   500.       .300      TEMP=  25.0       TAUMX=   3077.6      SIGE=   6155.1
  EP=     -.011790     -.011785     .007045     .000000     -.000021     -.000007  EPPR=     .007045     -.011787     -.011787
  SIG=    -6154.2      -6152.7      1.6491      .34766-02   -3.4853      -1.2146   SIGPR=    1.6505      -6153.5      -6153.5

 EL=    27  NODES=    38    44    45    39    74    80    81    75  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
 XC,YC,ZC=   .125+04   .150+04   .300      TEMP=  25.0       TAUMX=   3082.3      SIGE=   6160.2
  EP=     -.011790     -.011817     .007045     -.000000     .000021     -.000005  EPPR=     .007045     -.011790     -.011817
  SIG=    -6158.8      -6167.8      -3.0920     -.22448-02   3.3587      -.74704   SIGPR=    -3.0908     -6158.8      -6167.8

 EL=    28  NODES=    39    45    46    40    75    81    82    76  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
 XC,YC,ZC=   .125+04   .250+04   .300      TEMP=  25.0       TAUMX=   3077.9      SIGE=   6149.6
  EP=     -.011790     -.011750     .007046     .000000     -.000022     -.000007  EPPR=     .007046     -.011751     -.011789
  SIG=    -6149.3      -6136.4      6.6904      .15971-01   -3.5791      -1.2151   SIGPR=    6.6921      -6136.6      -6149.1

 EL=    29  NODES=    40    46    47    41    76    82    83    77  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
 XC,YC,ZC=   .125+04   .350+04   .300      TEMP=  25.0       TAUMX=   3090.4      SIGE=   6168.8
  EP=     -.011790     -.011864     .007048     .000000     .000016     -.000012  EPPR=     .007048     -.011790     -.011864
  SIG=    -6164.9      -6189.0      -8.2245     .83705-02   2.6014      -1.9956   SIGPR=    -8.2234     -6164.9      -6189.0

 EL=    30  NODES=    41    47    48    42    77    83    84    78  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
 XC,YC,ZC=   .125+04   .450+04   .300      TEMP=  25.0       TAUMX=   3071.4      SIGE=   6115.7
  EP=     -.011790     -.011623     .007005     .000001     -.000018     -.000009  EPPR=     .007005     -.011624     -.011790
  SIG=    -6137.4      -6083.0      5.3775      .11005      -2.8723      -1.5185   SIGPR=    5.3786      -6083.0      -6137.3

 EL=    31  NODES=    43    49    50    44    79    85    86    80  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
 XC,YC,ZC=   .375+04   500.       .300      TEMP=  25.0       TAUMX=   3080.1      SIGE=   6157.2
  EP=     -.011803     -.011785     .007045     -.000000     -.000021     .000007   EPPR=     .007045     -.011785     -.011803
  SIG=    -6160.4      -6154.6      -.32852     -.49082-02   -3.4049      1.0970    SIGPR=    -.32715     -6154.6      -6160.5
```

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EL=   32  NODES=   44   50   51   45   80   86   87   81  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04    .150+04    .300      TEMP=  25.0      TAUMX=   3082.2      SIGE=   6162.3
 EP=      -.011803     -.011817      .007045      .000000      .000022      .000009  EPPR=      .007045    -.011803    -.011817
 SIG=    -6165.0      -6169.7      -5.0693      .57167-02    3.5171       1.3984   SIGPR=   -5.0676    -6165.1     -6169.5

EL=   33  NODES=   45   51   52   46   81   87   68   82  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04    .250+04    .300      TEMP=  25.0      TAUMX=   3080.1      SIGE=   6151.6
 EP=      -.011803     -.011750      .007045     -.000000     -.000025      .000007  EPPR=      .007045    -.011751    -.011803
 SIG=    -6155.5      -6138.3      4.7121      -.19214-01   -4.0455       1.2130   SIGPR=   4.7144     -6138.4     -6155.4

EL=   34  NODES=   46   52   53   47   82   88   89   83  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04    .350+04    .300      TEMP=  25.0      TAUMX=   3090.4      SIGE=   6170.8
 EP=      -.011803     -.011864      .007047      .000000      .000020      .000002  EPPR=      .007047    -.011803    -.011864
 SIG=    -6171.0      -6190.9      -10.169      .36716-02    3.2229       .39398   SIGPR=   -10.168    -6171.0     -6190.9

EL=   35  NODES=   47   53   54   48   83   89   90   84  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04    .450+04    .300      TEMP=  25.0      TAUMX=   3073.4      SIGE=   6117.8
 EP=      -.011803     -.011624      .007005     -.000001     -.000014      .000009  EPPR=      .007005    -.011624    -.011803
 SIG=    -6143.4      -6084.9      3.4531      -.13039      -2.2269      1.4518   SIGPR=   3.4536     -6084.9     -6143.4

EL=   36  NODES=   49   55   56   50   85   91   92   86  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04    500.       .300      TEMP=  25.0      TAUMX=   3077.0      SIGE=   6152.6
 EP=      -.011774     -.011785      .007045      .000000     -.000021     -.000007  EPPR=      .007045    -.011775    -.011784
 SIG=    -6147.1      -6150.6      3.7418      .13383-01    -3.4981      -1.0631   SIGPR=   3.7433     -6147.3     -6150.4

EL=   37  NODES=   50   56   57   51   86   92   93   87  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04    .150+04    .300      TEMP=  25.0      TAUMX=   3082.3      SIGE=   6157.7
 EP=      -.011774     -.011817      .007045     -.000000      .000023     -.000020  EPPR=      .007045    -.011774    -.011817
 SIG=    -6151.6      -6165.7      -.99762     -.59260-02    3.7744      -3.2552   SIGPR=   -.99420    -6151.6     -6165.7

EL=   38  NODES=   51   57   58   52   87   93   94   88  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04    .250+04    .300      TEMP=  25.0      TAUMX=   3075.4      SIGE=   6147.0
 EP=      -.011774     -.011750      .007046      .000000     -.000023     -.000009  EPPR=      .007046    -.011751    -.011774
 SIG=    -6142.1      -6134.3      8.7959      .35118-01    -3.7659      -1.4155   SIGPR=   8.7979     -6134.4     -6142.0

EL=   39  NODES=   52   58   59   53   88   94   95   89  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04    .350+04    .300      TEMP=  25.0      TAUMX=   3090.4      SIGE=   6166.2
 EP=      -.011775     -.011864      .007048     -.000000      .000018      .000003  EPPR=      .007048    -.011775    -.011864
 SIG=    -6157.8      -6186.9      -6.1606     -.31770-01    2.8660       .41204   SIGPR=   -6.1600    -6157.8     -6186.9

EL=   40  NODES=   53   59   60   54   89   95   96   90  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04    .450+04    .300      TEMP=  25.0      TAUMX=   3068.9      SIGE=   6113.2
 EP=      -.011775     -.011623      .007005      .000001     -.000023      .000001  EPPR=      .007005    -.011623    -.011775
 SIG=    -6130.4      -6080.9      7.3699      .17517       -3.7029      .23441   SIGPR=   7.3715     -6080.9     -6130.4

EL=   41  NODES=   55   61   62   56   91   97   98   92  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .875+04    500.       .300      TEMP=  25.0      TAUMX=   3084.0      SIGE=   6161.6
 EP=      -.011825     -.011785      .007048     -.000000     -.000021      .000006  EPPR=      .007048    -.011785    -.011825
 SIG=    -6170.2      -6157.3      -2.1953     -.35760-01    -3.4798      .97114   SIGPR=   -2.1939    -6157.3     -6170.2

EL=   42  NODES=   56   62   63   57   92   98   99   93  MAT=  1  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .875+04    .150+04    .300      TEMP=  25.0      TAUMX=   3083.6      SIGE=   6166.6
 EP=      -.011825     -.011817      .007047      .000000      .000023      .000014  EPPR=      .007047    -.011819    -.011823
 SIG=    -6174.7      -6172.4      -6.9385      .16253-01    3.7545       2.2073   SIGPR=   -6.9361    -6172.9     -6174.2
```

EL= 43 NODES= 57 63 64 58 93 99 100 94 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .875+04 .250+04 .300 TEMP= 25.0 TAUMX= 3084.0 SIGE= 6156.0
EP= -.011825 -.011750 .007048 -.000000 -.000025 -.000000 EPPR= .007048 -.011750 -.011825
SIG= -6165.3 -6141.0 2.8079 -.53762-01 -4.0441 -.31288-02 SIGPR= 2.8098 -6141.0 -6165.3

EL= 44 NODES= 58 64 65 59 94 100 101 95 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .875+04 .350+04 .300 TEMP= 25.0 TAUMX= 3090.7 SIGE= 6175.0
EP= -.011824 -.011864 .007050 .000001 .000019 .000007 EPPR= .007050 -.011824 -.011864
SIG= -6180.5 -6193.5 -11.982 .12270 3.0583 1.2079 SIGPR= -11.981 -6180.5 -6193.4

EL= 45 NODES= 59 65 66 60 95 101 102 96 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .875+04 .450+04 .300 TEMP= 25.0 TAUMX= 3077.1 SIGE= 6121.9
EP= -.011823 -.011623 .007007 -.000001 -.000030 .000014 EPPR= .007007 -.011624 -.011823
SIG= -6152.6 -6087.3 1.7380 -.21124 -4.8786 2.2631 SIGPR= 1.7420 -6087.3 -6152.5

EL= 46 NODES= 61 67 68 62 97 103 104 98 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .112+05 500. .300 TEMP= 25.0 TAUMX= 3075.2 SIGE= 6142.9
EP= -.011739 -.011785 .007033 .000001 -.000022 -.000017 EPPR= .007033 -.011740 -.011785
SIG= -6132.5 -6147.4 2.9546 .82545-01 -3.5798 -2.7603 SIGPR= 2.9573 -6132.5 -6147.4

EL= 47 NODES= 62 68 69 63 98 104 105 99 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .112+05 .150+04 .300 TEMP= 25.0 TAUMX= 3080.3 SIGE= 6148.0
EP= -.011739 -.011817 .007033 -.000000 .000022 .000000 EPPR= .007033 -.011739 -.011817
SIG= -6137.0 -6162.5 -1.7849 -.77066-01 3.6544 .34326-01 SIGPR= -1.7834 -6137.0 -6162.4

EL= 48 NODES= 63 69 70 64 99 105 106 100 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .112+05 .250+04 .300 TEMP= 25.0 TAUMX= 3069.4 SIGE= 6137.3
EP= -.011739 -.011750 .007034 .000001 -.000019 .000006 EPPR= .007034 -.011740 -.011749
SIG= -6127.5 -6131.1 7.9835 .11153 -3.1238 .93785 SIGPR= 7.9845 -6127.9 -6130.8

EL= 49 NODES= 64 70 71 65 100 106 107 101 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .112+05 .350+04 .300 TEMP= 25.0 TAUMX= 3088.4 SIGE= 6157.0
EP= -.011741 -.011864 .007036 -.000002 .000019 -.000014 EPPR= .007036 -.011741 -.011863
SIG= -6143.8 -6183.8 -6.8714 -.25296 3.0794 -2.2292 SIGPR= -6.8697 -6143.8 -6183.8

EL= 50 NODES= 65 71 72 66 101 107 108 102 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .112+05 .450+04 .300 TEMP= 25.0 TAUMX= 3061.9 SIGE= 6105.1
EP= -.011743 -.011627 .006995 .000001 -.000021 -.000024 EPPR= .006995 -.011627 -.011743
SIG= -6117.4 -6079.6 6.5439 .13026 -3.4720 -3.9722 SIGPR= 6.5479 -6079.6 -6117.3

EL= 51 NODES= 73 79 80 74 109 115 116 110 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .125+04 500. .500 TEMP= 25.0 TAUMX= 3077.6 SIGE= 6155.2
EP= -.011790 -.011785 .007045 .000000 -.000036 -.000015 EPPR= .007045 -.011787 -.011788
SIG= -6154.2 -6152.8 1.6467 .34576-02 -5.9223 -2.4613 SIGPR= 1.6526 -6153.5 -6153.5

EL= 52 NODES= 74 80 81 75 110 116 117 111 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .125+04 .150+04 .500 TEMP= 25.0 TAUMX= 3082.3 SIGE= 6160.2
EP= -.011790 -.011817 .007045 -.000000 .000036 -.000016 EPPR= .007045 -.011790 -.011817
SIG= -6158.8 -6167.8 -3.0875 -.22639-02 5.9086 -2.6172 SIGPR= -3.0815 -6158.9 -6167.7

EL= 53 NODES= 75 81 82 76 111 117 118 112 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .125+04 .250+04 .500 TEMP= 25.0 TAUMX= 3078.0 SIGE= 6149.6
EP= -.011790 -.011750 .007046 .000000 -.000036 -.000015 EPPR= .007046 -.011750 -.011790
SIG= -6149.3 -6136.5 6.6811 .15990-01 -5.9382 -2.4619 SIGPR= 6.6871 -6136.5 -6149.3

EL= 54	NODES= 76	82	83	77	112	118	119	113	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.125+04	.350+04	.500	TEMP=	25.0	TAUMX=	3090.4	SIGE=	6168.7						
EP=	-.011790	-.011864	.007048	.000000	.000037	-.000014	EPPR=	.007048	-.011790	-.011864					
SIG=	-6164.9	-6189.0	-8.2134	.84276-02	6.0084	-2.3072	SIGPR=	-8.2073	-6164.9	-6189.0					
EL= 55	NODES= 77	83	84	78	113	119	120	114	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.125+04	.450+04	.500	TEMP=	25.0	TAUMX=	3071.4	SIGE=	6115.8						
EP=	-.011790	-.011624	.007005	.000001	-.000039	-.000013	EPPR=	.007005	-.011624	-.011790					
SIG=	-6137.4	-6083.1	5.3747	.11005	-6.3230	-2.1418	SIGPR=	5.3814	-6083.1	-6137.4					
EL= 56	NODES= 79	85	86	80	115	121	122	116	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.375+04	500.	.500	TEMP=	25.0	TAUMX=	3080.1	SIGE=	6157.2						
EP=	-.011803	-.011785	.007045	-.000000	-.000036	.000012	EPPR=	.007045	-.011785	-.011803					
SIG=	-6160.4	-6154.6	-.33194	-.49367-02	-5.9588	2.0407	SIGPR=	-.32617	-6154.6	-6160.5					
EL= 57	NODES= 80	86	87	81	116	122	123	117	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.375+04	.150+04	.500	TEMP=	25.0	TAUMX=	3082.2	SIGE=	6162.3						
EP=	-.011803	-.011817	.007045	.000000	.000038	.000012	EPPR=	.007045	-.011804	-.011817					
SIG=	-6165.0	-6169.7	-5.0675	.56977-02	6.2229	2.0303	SIGPR=	-5.0612	-6165.2	-6169.4					
EL= 58	NODES= 81	87	88	82	117	123	124	118	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.375+04	.250+04	.500	TEMP=	25.0	TAUMX=	3080.1	SIGE=	6151.6						
EP=	-.011803	-.011750	.007045	-.000000	-.000039	.000014	EPPR=	.007045	-.011751	-.011803					
SIG=	-6155.5	-6138.3	4.6946	-.19224-01	-6.4045	2.3125	SIGPR=	4.7014	-6138.4	-6155.4					
EL= 59	NODES= 82	88	89	83	118	124	125	119	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.375+04	.350+04	.500	TEMP=	25.0	TAUMX=	3090.3	SIGE=	6170.8						
EP=	-.011803	-.011864	.007047	.000000	.000041	.000012	EPPR=	.007047	-.011803	-.011864					
SIG=	-6171.0	-6190.8	-10.154	.36336-02	6.6299	1.9610	SIGPR=	-10.146	-6171.0	-6190.8					
EL= 60	NODES= 83	89	90	84	119	125	126	120	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.375+04	.450+04	.500	TEMP=	25.0	TAUMX=	3073.4	SIGE=	6117.9						
EP=	-.011803	-.011624	.007005	-.000001	-.000035	.000015	EPPR=	.007005	-.011624	-.011803					
SIG=	-6143.4	-6085.0	3.4533	-.13031	-5.6776	2.3957	SIGPR=	3.4590	-6085.0	-6143.4					
EL= 61	NODES= 85	91	92	86	121	127	128	122	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.625+04	500.	.500	TEMP=	25.0	TAUMX=	3076.9	SIGE=	6152.6						
EP=	-.011774	-.011785	.007045	.000000	-.000036	-.000020	EPPR=	.007045	-.011776	-.011783					
SIG=	-6147.1	-6150.6	3.7438	.13241-01	-5.8962	-3.2363	SIGPR=	3.7505	-6147.7	-6150.0					
EL= 62	NODES= 86	92	93	87	122	128	129	123	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.625+04	.150+04	.500	TEMP=	25.0	TAUMX=	3082.3	SIGE=	6157.7						
EP=	-.011774	-.011817	.007045	-.000000	.000038	-.000020	EPPR=	.007045	-.011774	-.011817					
SIG=	-6151.6	-6165.6	-.99420	-.58213-02	6.1684	-3.2466	SIGPR=	-.98700	-6151.6	-6165.6					
EL= 63	NODES= 87	93	94	88	123	129	130	124	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.625+04	.250+04	.500	TEMP=	25.0	TAUMX=	3075.4	SIGE=	6147.0						
EP=	-.011774	-.011750	.007046	.000000	-.000038	-.000012	EPPR=	.007046	-.011751	-.011774					
SIG=	-6142.1	-6134.3	8.7825	.35280-01	-6.1450	-2.0303	SIGPR=	8.7887	-6134.5	-6142.0					
EL= 64	NODES= 88	94	95	89	124	130	131	125	MAT= 1	VOL= .5000+06					3-D SOLID 45
XC,YC,ZC=	.625+04	.350+04	.500	TEMP=	25.0	TAUMX=	3090.3	SIGE=	6166.2						
EP=	-.011775	-.011864	.007048	-.000000	.000041	-.000001	EPPR=	.007048	-.011775	-.011864					
SIG=	-6157.8	-6186.9	-6.1718	-.31998-01	6.7406	-.20271	SIGPR=	-6.1652	-6157.8	-6186.9					

EL=	65	NODES=	89	95	96	90	125	131	132	126	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.625+04	.450+04	.500		TEMP=	25.0		TAUMX=	3068.9		SIGE=	6113.2					
EP=	-.011775	-.011623	.007005		.000001		-.000032		-.000010		EPPR=	.007005	-.011624	-.011775			
SIG=	-6130.4	-6080.9	7.3640		.17529		-5.2835		-1.6269		SIGPR=	7.3683	-6081.0	-6130.4			
EL=	66	NODES=	91	97	98	92	127	133	134	128	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.875+04	500.	.500		TEMP=	25.0		TAUMX=	3084.0		SIGE=	6161.6					
EP=	-.011825	-.011785	.007048		-.000000		-.000035		.000010		EPPR=	.007048	-.011785	-.011825			
SIG=	-6170.2	-6157.3	-2.1958		-.35561-01		-5.7999		1.6031		SIGPR=	-2.1936	-6157.3	-6170.2			
EL=	67	NODES=	92	98	99	93	128	134	135	129	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.875+04	.150+04	.500		TEMP=	25.0		TAUMX=	3083.7		SIGE=	6166.6					
EP=	-.011825	-.011817	.007047		.000000		.000038		.000008		EPPR=	.007047	-.011819	-.011823			
SIG=	-6174.7	-6172.3	-6.9308		.18101-01		6.2265		1.2808		SIGPR=	-6.9249	-6172.8	-6174.3			
EL=	68	NODES=	93	99	100	94	129	135	136	130	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.875+04	.250+04	.500		TEMP=	25.0		TAUMX=	3084.0		SIGE=	6156.0					
EP=	-.011825	-.011750	.007048		-.000000		-.000035		.000006		EPPR=	.007048	-.011751	-.011825			
SIG=	-6165.3	-6141.0	2.8232		-.53448-01		-5.7798		.94049		SIGPR=	2.8280	-6141.1	-6165.3			
EL=	69	NODES=	94	100	101	95	130	136	137	131	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.875+04	.350+04	.500		TEMP=	25.0		TAUMX=	3090.7		SIGE=	6175.0					
EP=	-.011824	-.011864	.007050		.000001		.000041		.000007		EPPR=	.007050	-.011824	-.011863			
SIG=	-6180.5	-6193.4	-12.006		.12248		6.7770		1.2165		SIGPR=	-11.999	-6180.5	-6193.4			
EL=	70	NODES=	95	101	102	96	131	137	138	132	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.875+04	.450+04	.500		TEMP=	25.0		TAUMX=	3077.1		SIGE=	6122.0					
EP=	-.011823	-.011624	.007007		-.000001		-.000043		.000012		EPPR=	.007007	-.011624	-.011823			
SIG=	-6152.6	-6087.4	1.7018		-.21120		-7.0825		1.9603		SIGPR=	1.7100	-6087.4	-6152.6			
EL=	71	NODES=	97	103	104	98	133	139	140	134	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.112+05	500.	.500		TEMP=	25.0		TAUMX=	3075.1		SIGE=	6142.9					
EP=	-.011739	-.011785	.007033		.000001		-.000035		-.000021		EPPR=	.007033	-.011740	-.011785			
SIG=	-6132.5	-6147.5	2.9270		.82593-01		-5.7440		-3.3751		SIGPR=	2.9336	-6132.6	-6147.3			
EL=	72	NODES=	98	104	105	99	134	140	141	135	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.112+05	.150+04	.500		TEMP=	25.0		TAUMX=	3080.3		SIGE=	6148.0					
EP=	-.011739	-.011817	.007033		-.000000		.000036		-.000007		EPPR=	.007033	-.011740	-.011817			
SIG=	-6137.0	-6162.5	-1.7834		-.77218-01		5.8147		-1.2038		SIGPR=	-1.7783	-6137.1	-6162.4			
EL=	73	NODES=	99	105	106	100	135	141	142	136	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.112+05	.250+04	.500		TEMP=	25.0		TAUMX=	3069.4		SIGE=	6137.3					
EP=	-.011739	-.011750	.007033		.000001		-.000036		.000002		EPPR=	.007034	-.011741	-.011749			
SIG=	-6127.6	-6131.2	7.9543		.11222		-5.9504		.32303		SIGPR=	7.9594	-6128.0	-6130.8			
EL=	74	NODES=	100	106	107	101	136	142	143	137	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.112+05	.350+04	.500		TEMP=	25.0		TAUMX=	3088.4		SIGE=	6157.0					
EP=	-.011741	-.011863	.007036		-.000002		.000036		-.000021		EPPR=	.007036	-.011741	-.011863			
SIG=	-6143.8	-6183.8	-6.8670		-.25327		5.9631		-3.4673		SIGPR=	-6.8601	-6143.8	-6183.7			
EL=	75	NODES=	101	107	108	102	137	143	144	138	MAT= 1	VOL=	.5000+06				3-D SOLID 45
XC,YC,ZC=	.112+05	.450+04	.500		TEMP=	25.0		TAUMX=	3062.0		SIGE=	6105.2					
EP=	-.011743	-.011627	.006995		.000001		-.000027		-.000024		EPPR=	.006995	-.011627	-.011743			
SIG=	-6117.4	-6079.7	6.4944		.13037		-4.4292		-3.9634		SIGPR=	6.4995	-6079.7	-6117.4			

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EL=   76  NODES=  109  115  116  110  145  151  152  146  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .125+04    500.       .700      TEMP=  25.0      TAUMX=   3077.6      SIGE=   6155.2
 EP=      -.011790     -.011785      .007045      .000000     -.000050     -.000023  EPPR=      .007045     -.011788     -.011788
 SIG=     -6154.2      -6152.8        1.6438     .34624-02     -8.2035     -3.7081  SIGPR=     1.6562      -6153.5      -6153.5

EL=   77  NODES=  110  116  117  111  146  152  153  147  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    .700      TEMP=  25.0      TAUMX=   3082.3      SIGE=   6160.2
 EP=      -.011790     -.011817      .007045     -.000000      .000049     -.000019  EPPR=      .007045     -.011790     -.011817
 SIG=     -6156.8      -6167.8       -3.0793    -.22448-02     8.0688     -3.0847  SIGPR=    -3.0679      -6158.8      -6167.7

EL=   78  NODES=  111  117  118  112  147  153  154  148  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    .700      TEMP=  25.0      TAUMX=   3077.9      SIGE=   6149.6
 EP=      -.011790     -.011750      .007046      .000000     -.000049     -.000018  EPPR=      .007046     -.011751     -.011789
 SIG=     -6149.3      -6136.5        6.6675     .16009-01     -7.9856     -2.9294  SIGPR=     6.6786      -6136.6      -6149.2

EL=   79  NODES=  112  118  119  113  148  154  155  149  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    .700      TEMP=  25.0      TAUMX=   3090.4      SIGE=   6168.7
 EP=      -.011790     -.011863      .007048      .000000      .000047     -.000020  EPPR=      .007048     -.011790     -.011864
 SIG=     -6164.8      -6188.9       -8.2003     .84466-02     7.7012     -3.2423  SIGPR=    -8.1898      -6164.8      -6188.9

EL=   80  NODES=  113  119  120  114  149  155  156  150  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    .700      TEMP=  25.0      TAUMX=   3071.4      SIGE=   6115.8
 EP=      -.011790     -.011624      .007005      .000001     -.000050     -.000019  EPPR=      .007005     -.011624     -.011790
 SIG=     -6137.4      -6083.2        5.3576     .11000     -8.2153     -3.0769  SIGPR=     5.3696      -6083.2      -6137.4

EL=   81  NODES=  115  121  122  116  151  157  158  152  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .375+04    500.       .700      TEMP=  25.0      TAUMX=   3080.0      SIGE=   6157.2
 EP=      -.011803     -.011785      .007045     -.000000     -.000050      .000017  EPPR=      .007045     -.011785     -.011803
 SIG=     -6160.4      -6154.6       -.33353    -.49510-02     -8.2399      2.8284  SIGPR=    -.32184      -6154.7      -6160.4

EL=   82  NODES=  116  122  123  117  152  158  159  153  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    .700      TEMP=  25.0      TAUMX=   3082.2      SIGE=   6162.3
 EP=      -.011803     -.011817      .007045      .000000      .000051      .000025  EPPR=      .007045     -.011804     -.011817
 SIG=     -6164.9      -6169.6       -5.0541     .56026-02     8.3052      4.0649  SIGPR=    -5.0410      -6165.2      -6169.4

EL=   83  NODES=  117  123  124  118  153  159  160  154  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    .700      TEMP=  25.0      TAUMX=   3080.1      SIGE=   6151.7
 EP=      -.011803     -.011750      .007046     -.000000     -.000051      .000020  EPPR=      .007046     -.011751     -.011803
 SIG=     -6155.5      -6138.4        4.6933    -.19186-01     -8.2960      3.2561  SIGPR=     4.7056      -6138.5      -6155.5

EL=   84  NODES=  118  124  125  119  154  160  161  155  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    .700      TEMP=  25.0      TAUMX=   3090.3      SIGE=   6170.8
 EP=      -.011803     -.011863      .007047      .000000      .000056      .000020  EPPR=      .007047     -.011803     -.011863
 SIG=     -6170.9      -6190.8       -10.140     .36716-02     9.1019      3.2164  SIGPR=    -10.126      -6171.0      -6190.8

EL=   85  NODES=  119  125  126  120  155  161  162  156  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    .700      TEMP=  25.0      TAUMX=   3073.4      SIGE=   6117.9
 EP=      -.011803     -.011624      .007005     -.000001     -.000056      .000020  EPPR=      .007005     -.011624     -.011803
 SIG=     -6143.4      -6085.1        3.4485    -.13028     -9.1282      3.3396  SIGPR=     3.4633      -6085.1      -6143.4

EL=   86  NODES=  121  127  128  122  157  163  164  158  MAT=  1  VOL=   .5000+06                                          3-D SOLID  45
XC,YC,ZC=    .625+04    500.       .700      TEMP=  25.0      TAUMX=   3077.0      SIGE=   6152.6
 EP=      -.011774     -.011785      .007045      .000000     -.000050     -.000024  EPPR=      .007045     -.011776     -.011784
 SIG=     -6147.1      -6150.6        3.7322     .13231-01     -9.2163     -3.8511  SIGPR=     3.7449      -6147.5      -6150.3
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EL= 87 NODES= 122 128 129 123 158 164 165 159 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .625+04 .150+04 .700 TEMP= 25.0 TAUMX= 3082.3 SIGE= 6157.7
EP= -.011774 -.011817 .007045 -.000000 .000051 -.000024 EPPR= .007045 -.011774 -.011817
SIG= -6151.6 -6165.6 -.99597 -.59735-02 8.3266 -3.8613 SIGPR= -.98297 -6151.6 -6165.6

EL= 88 NODES= 123 129 130 124 159 165 166 160 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .625+04 .250+04 .700 TEMP= 25.0 TAUMX= 3075.4 SIGE= 6147.1
EP= -.011774 -.011750 .007046 .000000 -.000052 -.000018 EPPR= .007046 -.011751 -.011774
SIG= -6142.2 -6134.4 8.7697 .35289-01 -8.5041 -2.9568 SIGPR= 8.7822 -6134.6 -6142.0

EL= 89 NODES= 124 130 131 125 160 166 167 161 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .625+04 .350+04 .700 TEMP= 25.0 TAUMX= 3090.3 SIGE= 6166.2
EP= -.011775 -.011863 .007048 -.000000 .000056 -.000013 EPPR= .007048 -.011775 -.011863
SIG= -6157.8 -6186.8 -6.1555 -.31941-01 9.2125 -2.0642 SIGPR= -6.1417 -6157.8 -6186.8

EL= 90 NODES= 125 131 132 126 161 167 168 162 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .625+04 .450+04 .700 TEMP= 25.0 TAUMX= 3068.9 SIGE= 6113.3
EP= -.011775 -.011624 .007005 .000001 -.000052 -.000016 EPPR= .007005 -.011624 -.011775
SIG= -6130.5 -6081.0 7.3432 .17536 -8.4225 -2.5531 SIGPR= 7.3552 -6081.1 -6130.5

EL= 91 NODES= 127 133 134 128 163 169 170 164 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .875+04 500. .700 TEMP= 25.0 TAUMX= 3084.0 SIGE= 6161.6
EP= -.011825 -.011785 .007048 -.000000 -.000050 .000016 EPPR= .007048 -.011785 -.011825
SIG= -6170.2 -6157.3 -2.1926 -.35570-01 -8.1979 2.5467 SIGPR= -2.1813 -6157.4 -6170.2

EL= 92 NODES= 128 134 135 129 164 170 171 165 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .875+04 .150+04 .700 TEMP= 25.0 TAUMX= 3083.7 SIGE= 6166.6
EP= -.011825 -.011817 .007047 .000000 .000050 .000027 EPPR= .007047 -.011818 -.011824
SIG= -6174.7 -6172.3 -6.9127 .17987-01 8.1530 4.4063 SIGPR= -5.8995 -6172.6 -6174.4

EL= 93 NODES= 129 135 136 130 165 171 172 166 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .875+04 .250+04 .700 TEMP= 25.0 TAUMX= 3084.0 SIGE= 6156.1
EP= -.011825 -.011750 .007048 -.000000 -.000051 .000021 EPPR= .007048 -.011751 -.011825
SIG= -6165.3 -6141.1 2.8040 -.53296-01 -8.2947 3.4425 SIGPR= 2.8165 -6141.1 -6165.3

EL= 94 NODES= 130 136 137 131 166 172 173 167 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .875+04 .350+04 .700 TEMP= 25.0 TAUMX= 3090.7 SIGE= 6175.0
EP= -.011824 -.011863 .007050 .000001 .000051 .000019 EPPR= .007050 -.011824 -.011863
SIG= -6180.4 -6193.4 -11.951 .12257 8.3140 3.0952 SIGPR= -11.939 -6180.5 -6193.3

EL= 95 NODES= 131 137 138 132 167 173 174 168 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .875+04 .450+04 .700 TEMP= 25.0 TAUMX= 3077.1 SIGE= 6122.0
EP= -.011823 -.011624 .007007 -.000001 -.000059 .000033 EPPR= .007007 -.011624 -.011823
SIG= -6152.6 -6087.5 1.6939 -.21145 -9.5981 5.3977 SIGPR= 1.7132 -6087.5 -6152.6

EL= 96 NODES= 133 139 140 134 169 175 176 170 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .112+05 500. .700 TEMP= 25.0 TAUMX= 3075.2 SIGE= 6143.0
EP= -.011739 -.011785 .007033 .000001 -.000050 -.000024 EPPR= .007033 -.011740 -.011785
SIG= -6132.5 -6147.5 2.9600 .82735-01 -8.2200 -3.9899 SIGPR= 2.9730 -6132.5 -6147.4

EL= 97 NODES= 134 140 141 135 170 176 177 171 MAT= 1 VOL= .5000+06 3-D SOLID 45
XC,YC,ZC= .112+05 .150+04 .700 TEMP= 25.0 TAUMX= 3080.3 SIGE= 6148.0
EP= -.011739 -.011817 .007033 -.000000 .000052 -.000011 EPPR= .007033 -.011740 -.011817
SIG= -6137.0 -6162.4 -1.7597 -.77409-01 8.4425 -1.5186 SIGPR= -1.7482 -6137.0 -6162.4

```
EL=  98 NODES=  135  141  142  136  171  177  178  172 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .112+05   .250+04   .700     TEMP=  25.0     TAUMX=   3069.4      SIGE=   6137.4
 EP=     -.011739     -.011750      .007034      .000001     -.000050     -.000021 EPPR=     .007034     -.011740     -.011749
 SIG=    -6127.6      -6131.2       7.9478       .11245      -8.1537      -3.4087  SIGPR=   7.9598      -6127.9      -6130.9

EL=  99 NODES=  136  142  143  137  172  178  179  173 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .112+05   .350+04   .700     TEMP=  25.0     TAUMX=   3083.4      SIGE=   6157.0
 EP=     -.011741     -.011863      .007036     -.000002      .000044     -.000017 EPPR=     .007036     -.011741     -.011863
 SIG=    -6143.8      -6183.7      -6.8443      -.25338      7.2441      -2.8353  SIGPR=  -6.8351      -6143.8      -6183.7

EL= 100 NODES=  137  143  144  138  173  179  180  174 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .112+05   .450+04   .700     TEMP=  25.0     TAUMX=   3062.0      SIGE=   6105.3
 EP=     -.011743     -.011627      .006995      .000001     -.000054     -.000020 EPPR=     .006995     -.011628     -.011743
 SIG=    -6117.5      -6079.8       6.5336       .13081      -8.8149      -3.3312  SIGPR=   6.5478      -6079.8      -6117.4

EL= 101 NODES=  145  151  152  146  181  187  188  182 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .125+04   500.    .900     TEMP=  25.0     TAUMX=   3077.6      SIGE=   6155.2
 EP=     -.011790     -.011785      .007045      .000000     -.000065     -.000027 EPPR=     .007045     -.011788     -.011788
 SIG=    -6154.2      -6152.8       1.6392       .34957-02   -10.602      -4.4873  SIGPR=   1.6600      -6153.5      -6153.5

EL= 102 NODES=  146  152  153  147  182  188  189  183 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .150+04   .900     TEMP=  25.0     TAUMX=   3082.3      SIGE=   6160.2
 EP=     -.011790     -.011817      .007045     -.000000      .000067     -.000026 EPPR=     .007045     -.011790     -.011817
 SIG=    -6158.8      -6167.7      -3.0693      -.22543-02   11.008      -4.1756  SIGPR=  -3.0475      -6158.9      -6167.6

EL= 103 NODES=  147  153  154  148  183  189  190  184 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .250+04   .900     TEMP=  25.0     TAUMX=   3078.0      SIGE=   6149.7
 EP=     -.011790     -.011751      .007046      .000000     -.000063     -.000026 EPPR=     .007046     -.011751     -.011789
 SIG=    -6149.4      -6136.6       6.6459       .15990-01   -10.345      -4.1761  SIGPR=   6.6655      -6136.7      -6149.3

EL= 104 NODES=  148  154  155  149  184  190  191  185 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .350+04   .900     TEMP=  25.0     TAUMX=   3090.3      SIGE=   6168.7
 EP=     -.011790     -.011863      .007048      .000000      .000065     -.000027 EPPR=     .007048     -.011790     -.011863
 SIG=    -6164.8      -6188.8      -8.1801       .84276-02   10.641      -4.3332  SIGPR=  -8.1594      -6164.9      -6188.8

EL= 105 NODES=  149  155  156  150  185  191  192  186 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .450+04   .900     TEMP=  25.0     TAUMX=   3071.4      SIGE=   6115.9
 EP=     -.011790     -.011624      .007005      .000001     -.000066     -.000026 EPPR=     .007005     -.011624     -.011790
 SIG=    -6137.4      -6083.3       5.3452       .10996      -10.731      -4.1678  SIGPR=   5.3663      -6083.3      -6137.4

EL= 106 NODES=  151  157  158  152  187  193  194  188 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   500.    .900     TEMP=  25.0     TAUMX=   3079.9      SIGE=   6157.2
 EP=     -.011803     -.011785      .007045     -.000000     -.000064      .000022 EPPR=     .007045     -.011786     -.011802
 SIG=    -6160.4      -6154.7      -.33432      -.49034-02   -10.482      3.6162  SIGPR=  -.31506      -6154.9      -6160.2

EL= 107 NODES=  152  158  159  153  188  194  195  189 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .150+04   .900     TEMP=  25.0     TAUMX=   3082.1      SIGE=   6162.3
 EP=     -.011803     -.011817      .007045      .000000      .000068      .000028 EPPR=     .007045     -.011804     -.011816
 SIG=    -6164.9      -6169.6      -5.0397       .56216-02   11.089       4.5411  SIGPR=  -5.0170      -6165.3      -6169.3

EL= 108 NODES=  153  159  160  154  189  195  196  190 MAT=  1 VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .250+04   .900     TEMP=  25.0     TAUMX=   3080.1      SIGE=   6151.7
 EP=     -.011803     -.011751      .007045     -.000000     -.000063      .000026 EPPR=     .007046     -.011751     -.011803
 SIG=    -6155.5      -6138.4       4.6676      -.19167-01   -10.343       4.1997  SIGPR=   4.6872      -6138.5      -6155.5
```

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EL=  109  NODES=  154  160  161  155  190  196  197  191  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    .900      TEMP=  25.0      TAUMX=   3090.3      SIGE=   6170.7
 EP=      -.011803   -.011863     .007047    .000000    .000068    .000023  EPPR=     .007047   -.011803   -.011863
 SIG=     -6170.9    -6190.7    -10.124     .37667-02  11.106     3.6925   SIGPR=  -10.103    -6170.9    -6190.7

EL=  110  NODES=  155  161  162  156  191  197  198  192  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    .900      TEMP=  25.0      TAUMX=   3073.5      SIGE=   6118.0
 EP=      -.011803   -.011624     .007005   -.000001   -.000071    .000021  EPPR=     .007005   -.011624   -.011803
 SIG=     -6143.5    -6085.2     3.4333    -.13022    -11.644     3.5043   SIGPR=  3.4569     -6085.2    -6143.5

EL=  111  NODES=  157  163  164  158  193  199  200  194  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .625+04    500.       .900      TEMP=  25.0      TAUMX=   3077.0      SIGE=   6152.6
 EP=      -.011774   -.011785     .007045    .000000   -.000064   -.000039  EPPR=     .007045   -.011776   -.011784
 SIG=     -6147.1    -6150.7     3.7244     .13274-01  -10.498    -6.3361   SIGPR=  3.7481     -6147.5    -6150.3

EL=  112  NODES=  158  164  165  159  194  200  201  195  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    .900      TEMP=  25.0      TAUMX=   3082.3      SIGE=   6157.7
 EP=      -.011774   -.011817     .007045   -.000000    .000064   -.000029  EPPR=     .007045   -.011774   -.011817
 SIG=     -6151.6    -6165.6    -.97876    -.61923-02  10.489    -4.7877   SIGPR=  -.95789     -6151.6    -6165.6

EL=  113  NODES=  159  165  166  160  195  201  202  196  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04    .900      TEMP=  25.0      TAUMX=   3075.4      SIGE=   6147.1
 EP=      -.011774   -.011751     .007046    .000000   -.000065   -.000031  EPPR=     .007046   -.011751   -.011774
 SIG=     -6142.2    -6134.4     8.7452     .35175-01  -10.551    -5.1301   SIGPR=  8.7668     -6134.6    -6142.1

EL=  114  NODES=  160  166  167  161  196  202  203  197  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    .900      TEMP=  25.0      TAUMX=   3090.3      SIGE=   6166.2
 EP=      -.011775   -.011863     .007047   -.000000    .000074   -.000034  EPPR=     .007048   -.011775   -.011863
 SIG=     -6157.8    -6186.7    -6.1482    -.31884-01  12.152    -5.4842   SIGPR=  -6.1201     -6157.8    -6186.7

EL=  115  NODES=  161  167  168  162  197  203  204  198  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04    .900      TEMP=  25.0      TAUMX=   3068.9      SIGE=   6113.4
 EP=      -.011775   -.011624     .007005    .000001   -.000071   -.000023  EPPR=     .007005   -.011624   -.011775
 SIG=     -6130.5    -6081.2     7.3317     .17523     -11.562    -3.7910   SIGPR=  7.3554     -6081.2    -6130.5

EL=  116  NODES=  163  169  170  164  199  205  206  200  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .875+04    500.       .900      TEMP=  25.0      TAUMX=   3083.9      SIGE=   6161.6
 EP=      -.011825   -.011785     .007048   -.000000   -.000065    .000012  EPPR=     .007048   -.011786   -.011824
 SIG=     -6170.2    -6157.3    -2.1999    -.35565-01  -10.557     1.9319   SIGPR=  -2.1819     -6157.5    -6170.1

EL=  117  NODES=  164  170  171  165  200  206  207  201  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    .900      TEMP=  25.0      TAUMX=   3083.8      SIGE=   6166.6
 EP=      -.011825   -.011817     .007047    .000000    .000068    .000012  EPPR=     .007047   -.011818   -.011824
 SIG=     -6174.7    -6172.3    -6.8878     .17987-01  11.093     1.9214   SIGPR=  -6.8680     -6172.4    -6174.5

EL=  118  NODES=  165  171  172  166  201  207  208  202  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    .900      TEMP=  25.0      TAUMX=   3084.0      SIGE=   6156.1
 EP=      -.011825   -.011751     .007048   -.000000   -.000062    .000021  EPPR=     .007048   -.011751   -.011825
 SIG=     -6165.3    -6141.1     2.7993    -.53466-01  -10.186     3.4511   SIGPR=  2.8174     -6141.2    -6165.3

EL=  119  NODES=  166  172  173  167  202  208  209  203  MAT=  1  VOL=   .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    .900      TEMP=  25.0      TAUMX=   3090.7      SIGE=   6174.9
 EP=      -.011824   -.011863     .007050    .000001    .000063    .000021  EPPR=     .007050   -.011824   -.011863
 SIG=     -6180.4    -6193.3    -11.910     .12244     10.318     3.4155   SIGPR=  -11.892     -6180.5    -6193.2
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```
EL=  120  NODES=  167  173  174  168  203  209  210  204  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    .900      TEMP=  25.0      TAUMX=   3077.2      SIGE=   6122.1
 EP=      -.011823     -.011624      .007007     -.000001     -.000074      .000024  EPPR=      .007007     -.011624     -.011823
 SIG=     -6152.6      -6087.6       1.7145     -.21130      -12.114       3.8481   SIGPR=     1.7403      -6087.7      -6152.6

EL=  121  NODES=  169  175  176  170  205  211  212  206  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .112+05    500.       .900      TEMP=  25.0      TAUMX=   3075.2      SIGE=   6143.0
 EP=      -.011739     -.011785      .007033      .000001     -.000064     -.000059  EPPR=      .007033     -.011739     -.011785
 SIG=     -6132.5      -6147.5       2.9493      .82740-01    -10.423      -9.5918   SIGPR=     2.9813      -6132.5      -6147.5

EL=  122  NODES=  170  176  177  171  206  212  213  207  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    .900      TEMP=  25.0      TAUMX=   3080.4      SIGE=   6148.1
 EP=      -.011740     -.011817      .007033     -.000000      .000067     -.000042  EPPR=      .007033     -.011740     -.011817
 SIG=     -6137.0      -6162.4      -1.7210     -.77256-01     10.914      -6.7970   SIGPR=    -1.6948      -6137.0      -6162.4

EL=  123  NODES=  171  177  178  172  207  213  214  208  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    .900      TEMP=  25.0      TAUMX=   3069.4      SIGE=   6137.4
 EP=      -.011739     -.011751      .007034      .000001     -.000064      .000002  EPPR=      .007034     -.011741     -.011749
 SIG=     -6127.6      -6131.3       7.9429      .11220       -10.513       .34015   SIGPR=     7.9603      -6128.1      -6130.8

EL=  124  NODES=  172  178  179  173  208  214  215  209  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    .900      TEMP=  25.0      TAUMX=   3088.4      SIGE=   6157.0
 EP=      -.011741     -.011863      .007036     -.000002      .000062     -.000033  EPPR=      .007036     -.011741     -.011863
 SIG=     -6143.8      -6183.6      -6.8102     -.25329       10.184      -5.3202   SIGPR=    -6.7894      -6143.8      -6183.6

EL=  125  NODES=  173  179  180  174  209  215  216  210  MAT=  1  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    .900      TEMP=  25.0      TAUMX=   3062.0      SIGE=   6105.3
 EP=      -.011743     -.011628      .006995      .000001     -.000071     -.000039  EPPR=      .006995     -.011628     -.011743
 SIG=     -6117.5      -6079.9       6.4953      .13066       -11.642      -6.4392   SIGPR=     6.5237      -6079.9      -6117.5

EL=  126  NODES=  181  187  188  182  217  223  224  218  MAT=  2  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .125+04    500.       1.10      TEMP=  25.0      TAUMX=   13.944      SIGE=   24.653
 EP=       .000035      .000040     -.000031      .000000     -.000152     -.000066  EPPR=      .000094      .000036     -.000086
 SIG=      12.030       12.718       1.7503      .16454-02    -11.791      -5.0808   SIGPR=     21.127       12.133      -6.7608

EL=  127  NODES=  182  188  189  183  218  224  225  219  MAT=  2  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    1.10      TEMP=  25.0      TAUMX=   13.279      SIGE=   23.823
 EP=       .000035      .000008     -.000032     -.000000      .000153     -.000061  EPPR=      .000076      .000030     -.000095
 SIG=       7.1497      2.9285      -3.2462     -.10729-02     11.617      -4.7115   SIGPR=     13.486       6.4175      -13.072

EL=  128  NODES=  183  189  190  184  219  225  226  220  MAT=  2  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    1.10      TEMP=  25.0      TAUMX=   14.953      SIGE=   26.075
 EP=       .000035      .000074     -.000031      .000000     -.000151     -.000060  EPPR=      .000116      .000039     -.000077
 SIG=      17.207       23.237       6.9188      .75776-02    -11.707      -4.6379   SIGPR=     29.735       17.799      -.17140

EL=  129  NODES=  184  190  191  185  220  226  227  221  MAT=  2  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    1.10      TEMP=  25.0      TAUMX=   13.756      SIGE=   24.720
 EP=       .000035     -.000038     -.000025      .000000      .000155     -.000063  EPPR=      .000065      .000019     -.000112
 SIG=       1.2315     -10.097      -8.1350      .40120-02     11.976      -4.8600   SIGPR=     5.8937      -1.2759      -21.618

EL=  130  NODES=  185  191  192  186  221  227  228  222  MAT=  2  VOL=   .5000+06                              3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    1.10      TEMP=  25.0      TAUMX=   26.471      SIGE=   45.864
 EP=       .000035      .000200     -.000099      .000001     -.000153     -.000062  EPPR=      .000219      .000041     -.000123
 SIG=      26.009       51.604       5.2698      .52137-01    -11.816      -4.7816   SIGPR=     54.492       26.840       1.5502
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EL=  131  NODES=  187  193  194  188  223  229  230  224  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   500.      1.10      TEMP=  25.0      TAUMX=   13.756      SIGE=   24.052
 EP=      .000022     .000040    -.000032    -.000000    -.000152     .000061  EPPR=     .000092     .000024    -.000086
SIG=     7.9652      10.687      -.34429    -.23035-02   -11.735      4.7013  SIGPR=    18.761      8.2972     -8.7503

EL=  132  NODES=  188  194  195  189  224  230  231  225  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .150+04   1.10      TEMP=  25.0      TAUMX=   13.335      SIGE=   23.581
 EP=      .000022     .000008    -.000032     .000000     .000153     .000065  EPPR=     .000075     .000020    -.000097
SIG=     3.0898      .89831     -5.3399     .26957-02    11.856      5.0658  SIGPR=    11.301      2.7166    -15.369

EL=  133  NODES=  189  195  196  190  225  231  232  226  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .250+04   1.10      TEMP=  25.0      TAUMX=   15.222      SIGE=   26.403
 EP=      .000022     .000074    -.000032    -.000000    -.000153     .000064  EPPR=     .000117     .000028    -.000080
SIG=    13.140      21.201      4.8210     -.90652-02   -11.854      4.9778  SIGPR=    27.804      13.999     -2.6400

EL=  134  NODES=  190  196  197  191  226  232  233  227  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .350+04   1.10      TEMP=  25.0      TAUMX=   13.122      SIGE=   23.461
 EP=      .000022    -.000038    -.000026     .000000     .000152     .000059  EPPR=     .000058     .000011    -.000111
SIG=    -2.7791     -12.104     -10.193      .17761-02    11.753      4.5898  SIGPR=     2.8234     -4.4795    -23.420

EL=  135  NODES=  191  197  198  192  227  233  234  228  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .450+04   1.10      TEMP=  25.0      TAUMX=   26.707      SIGE=   46.357
 EP=      .000022     .000200    -.000099    -.000001    -.000158     .000062  EPPR=     .000220     .000028    -.000125
SIG=    22.032      49.574      3.2318     -.61739-01   -12.249      4.7962  SIGPR=    52.661      22.929     -.75277

EL=  136  NODES=  193  199  200  194  229  235  236  230  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04   500.      1.10      TEMP=  25.0      TAUMX=   13.923      SIGE=   25.051
 EP=      .000051     .000040    -.000032     .000000    -.000151    -.000063  EPPR=     .000095     .000049    -.000085
SIG=    16.640      14.954      3.9071      .63087-02   -11.724     -4.8896  SIGPR=    23.496      16.355     -4.3502

EL=  137  NODES=  194  200  201  195  230  236  237  231  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04   .150+04   1.10      TEMP=  25.0      TAUMX=   13.738      SIGE=   24.991
 EP=      .000051     .000008    -.000032    -.000000     .000155    -.000061  EPPR=     .000081     .000042    -.000096
SIG=    11.753      5.1607      -1.1001     -.29526-02    12.014     -4.7467  SIGPR=    16.462      10.365     -11.013

EL=  138  NODES=  195  201  202  196  231  237  238  232  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04   .250+04   1.10      TEMP=  25.0      TAUMX=   15.356      SIGE=   27.093
 EP=      .000051     .000074    -.000032     .000000    -.000156    -.000063  EPPR=     .000119     .000053    -.000079
SIG=    21.821      25.470      9.0680      .16625-01   -12.100     -4.9090  SIGPR=    32.424      22.224      1.7114

EL=  139  NODES=  196  202  203  197  232  238  239  233  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04   .350+04   1.10      TEMP=  25.0      TAUMX=   13.904      SIGE=   25.344
 EP=      .000050    -.000038    -.000026    -.000000     .000154    -.000052  EPPR=     .000068     .000029    -.000111
SIG=     5.7650     -7.8958     -6.0311     -.15110-01    11.953     -4.0427  SIGPR=     8.5520      2.5423    -19.256

EL=  140  NODES=  197  203  204  198  233  239  240  234  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04   .450+04   1.10      TEMP=  25.0      TAUMX=   26.569      SIGE=   46.027
 EP=      .000050     .000201    -.000099     .000001    -.000156    -.000059  EPPR=     .000220     .000054    -.000123
SIG=    30.461      53.793      7.3265      .82962-01   -12.062     -4.5696  SIGPR=    56.790      31.138      3.6526

EL=  141  NODES=  199  205  206  200  235  241  242  236  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .875+04   500.      1.10      TEMP=  25.0      TAUMX=   13.419      SIGE=   23.243
 EP=      .000001     .000040    -.000027    -.000000    -.000152     .000050  EPPR=     .000091     .000004    -.000082
SIG=     2.0860      8.1458     -2.1425     -.16798-01   -11.752      3.9031  SIGPR=    16.168      2.5913    -10.670
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EL=  142  NODES=  200  206  207  201  236  242  243  237  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    1.10      TEMP=  25.0      TAUMX=   13.066      SIGE=   22.702
 EP=      .000001      .000008      -.000026      .000000      .000155      .000056  EPPR=      .000074      .000001      -.000095
 SIG=    -2.7850      -1.6294      -7.1262      .85288-02     11.966      4.4890   SIGPR=    8.6215      -2.6518      -17.510

EL=  143  NODES=  201  207  208  202  237  243  244  238  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    1.10      TEMP=  25.0      TAUMX=   15.130      SIGE=   26.250
 EP=      .000000      .000074      -.000027      -.000000      -.000151      .000067  EPPR=      .000117      .000009      -.000079
 SIG=     7.2323       18.649       3.0065      -.25347-01     -11.705      5.2139   SIGPR=    25.261       8.6257       -4.9993

EL=  144  NODES=  202  208  209  203  238  244  245  239  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    1.10      TEMP=  25.0      TAUMX=   12.744      SIGE=   22.376
 EP=      .000001      -.000038      -.000021      .000001      .000154      .000052  EPPR=      .000055      -.000003      -.000109
 SIG=    -8.4899      -14.551      -11.924      .58025-01     11.897      4.0154   SIGPR=    -.13229      -9.2113      -25.621

EL=  145  NODES=  203  209  210  204  239  245  246  240  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    1.10      TEMP=  25.0      TAUMX=   26.641      SIGE=   46.530
 EP=      .000002      .000200      -.000094      -.000001      -.000159      .000068  EPPR=      .000221      .000010      -.000123
 SIG=     16.556       47.279       1.6091      -.10010      -12.324      5.2546   SIGPR=    50.450       17.827       -2.8324

EL=  146  NODES=  205  211  212  206  241  247  248  242  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .112+05    500.       1.10      TEMP=  25.0      TAUMX=   15.636      SIGE=   29.041
 EP=      .000085      .000040      -.000052      .000001      -.000152      -.000066  EPPR=      .000103      .000070      -.000099
 SIG=     24.257       17.165       2.9981      .39051-01     -11.744      -5.1031   SIGPR=    26.949       21.795       -4.3235

EL=  147  NODES=  206  212  213  207  242  248  249  243  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    1.10      TEMP=  25.0      TAUMX=   15.422      SIGE=   28.288
 EP=      .000085      .000008      -.000053      -.000000      .000152      -.000049  EPPR=      .000093      .000054      -.000106
 SIG=     19.380       7.3929       -1.9899      -.36572-01     11.736      -3.7786   SIGPR=    20.578       14.470       -10.265

EL=  148  NODES=  207  213  214  208  243  249  250  244  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    1.10      TEMP=  25.0      TAUMX=   16.076      SIGE=   29.952
 EP=      .000085      .000074      -.000052      .000001      -.000152      -.000059  EPPR=      .000116      .000083      -.000092
 SIG=     29.422       27.667       8.1371      .53246-01     -11.786      -4.5323   SIGPR=    34.140       29.099       1.9869

EL=  149  NODES=  208  214  215  209  244  250  251  245  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    1.10      TEMP=  25.0      TAUMX=   17.009      SIGE=   30.037
 EP=      .000084      -.000038      -.000045      -.000002      .000154      -.000074  EPPR=      .000098      .000025      -.000122
 SIG=     13.109       -5.7105      -6.8208      -.12000      11.907      -5.7376   SIGPR=    15.302       3.9924       -18.716

EL=  150  NODES=  209  215  216  210  245  251  252  246  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    1.10      TEMP=  25.0      TAUMX=   27.677      SIGE=   48.528
 EP=      .000082      .000197      -.000116      .000001      -.000160      -.000069  EPPR=      .000217      .000087      -.000141
 SIG=     37.111       54.881       6.3697      .62018-01     -12.396      -5.3815   SIGPR=    57.950       37.815       2.5963

EL=  151  NODES=  217  223  224  218  253  259  260  254  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .125+04    500.       1.30      TEMP=  25.0      TAUMX=   13.793      SIGE=   24.396
 EP=      .000035      .000040      -.000031      .000000      -.000151      -.000063  EPPR=      .000093      .000036      -.000085
 SIG=     12.017       12.697       1.7407      .16544-02     -11.709      -4.8592   SIGPR=    20.964       12.112       -6.6219

EL=  152  NODES=  218  224  225  219  254  260  261  255  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    1.30      TEMP=  25.0      TAUMX=   13.400      SIGE=   24.030
 EP=      .000035      .000008      -.000032      -.000000      .000154      -.000061  EPPR=      .000077      .000031      -.000096
 SIG=     7.1721       2.9822       -3.2230      -.10664-02     11.956      -4.7115   SIGPR=    13.634       6.4635       -13.166
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EL=  153  NODES=  219  225  226  220  255  261  262  256  MAT=  2  VOL=  .5000+05                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .250+04   1.30      TEMP=  25.0      TAUMX=   15.105      SIGE=   26.343
 EP=      .000035     .000074    -.000031     .000000     -.000153    -.000062  EPPR=     .000117     .000039    -.000078
 SIG=     17.158      23.141      6.8775     .75666-02    -11.664     -4.7856   SIGPR=    29.808      17.771     -.40290

EL=  154  NODES=  220  226  227  221  256  262  263  257  MAT=  2  VOL=  .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .350+04   1.30      TEMP=  25.0      TAUMX=   13.803      SIGE=   24.884
 EP=      .000035    -.000037    -.000025     .000000      .000157    -.000060  EPPR=     .000065     .000020    -.000113
 SIG=     1.2855     -9.9701     -8.0891     .39939-02     12.188     -4.6385   SIGPR=    5.9104     -.98877    -21.695

EL=  155  NODES=  221  227  228  222  257  263  264  258  MAT=  2  VOL=  .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .450+04   1.30      TEMP=  25.0      TAUMX=   26.370      SIGE=   45.690
 EP=      .000035     .000200    -.000099     .000001     -.000152    -.000061  EPPR=     .000218     .000043    -.000122
 SIG=     25.946      51.447      5.2447     .52146-01    -11.753     -4.7078   SIGPR=    54.311      26.755     1.5709

EL=  156  NODES=  223  229  230  224  259  265  266  260  MAT=  2  VOL=  .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   500.      1.30      TEMP=  25.0      TAUMX=   13.709      SIGE=   23.975
 EP=      .000022     .000040    -.000032    -.000000     -.000151     .000061  EPPR=     .000091     .000024    -.000086
 SIG=     7.9642      10.671     -.34907    -.23057-02    -11.670      4.7346   SIGPR=    18.702      8.3016     -8.7169

EL=  157  NODES=  224  230  231  225  260  266  267  261  MAT=  2  VOL=  .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .150+04   1.30      TEMP=  25.0      TAUMX=   13.316      SIGE=   23.553
 EP=      .000022     .000008    -.000032     .000000      .000153     .000064  EPPR=     .000075     .000020    -.000097
 SIG=     3.1258      .95898     -5.3091     .26867-02     11.883      4.9515   SIGPR=    11.318      2.7721     -15.315

EL=  158  NODES=  225  231  232  226  261  267  268  262  MAT=  2  VOL=  .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .250+04   1.30      TEMP=  25.0      TAUMX=   14.953      SIGE=   25.928
 EP=      .000022     .000074    -.000032    -.000000     -.000151     .000058  EPPR=     .000115     .000027    -.000078
 SIG=     13.103      21.110      4.7837    -.91418-02    -11.715      4.4941   SIGPR=    27.540      13.823     -2.3658

EL=  159  NODES=  226  232  233  227  262  268  269  263  MAT=  2  VOL=  .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .350+04   1.30      TEMP=  25.0      TAUMX=   13.044      SIGE=   23.256
 EP=      .000022    -.000038    -.000026     .000000      .000149     .000063  EPPR=     .000059     .000010    -.000110
 SIG=    -2.7128     -11.971     -10.142     .18031-02     11.522      4.8447   SIGPR=    2.9296     -4.5983    -23.157

EL=  160  NODES=  227  233  234  228  263  269  270  264  MAT=  2  VOL=  .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .450+04   1.30      TEMP=  25.0      TAUMX=   26.554      SIGE=   46.102
 EP=      .000022     .000200    -.000099    -.000001     -.000157     .000058  EPPR=     .000219     .000027    -.000124
 SIG=     21.984      49.425      3.2166    -.61712-01    -12.185      4.4605   SIGPR=    52.484      22.766     -.62416

EL=  161  NODES=  229  235  236  230  265  271  272  266  MAT=  2  VOL=  .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04   500.      1.30      TEMP=  25.0      TAUMX=   13.718      SIGE=   24.719
 EP=      .000051     .000040    -.000032     .000000     -.000150    -.000059  EPPR=     .000093     .000049    -.000084
 SIG=     16.609      14.920      3.8803     .63786-02    -11.622     -4.5609   SIGPR=    23.248      16.349     -4.1876

EL=  162  NODES=  230  236  237  231  266  272  273  267  MAT=  2  VOL=  .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04   .150+04   1.30      TEMP=  25.0      TAUMX=   13.743      SIGE=   24.900
 EP=      .000050     .000008    -.000032    -.000000      .000152    -.000067  EPPR=     .000082     .000040    -.000096
 SIG=     11.765      5.2105     -1.0782    -.28670-02     11.783     -5.1564   SIGPR=    16.606      10.172     -10.880

EL=  163  NODES=  231  237  238  232  267  273  274  268  MAT=  2  VOL=  .5000+06                                  3-D SOLID  45
XC,YC,ZC=   .625+04   .250+04   1.30      TEMP=  25.0      TAUMX=   15.194      SIGE=   26.834
 EP=      .000051     .000074    -.000032     .000000     -.000153    -.000067  EPPR=     .000118     .000053    -.000078
 SIG=     21.765      25.372      9.0311     .16688-01    -11.614     -5.1710   SIGPR=    32.168      22.219     1.7810
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EL=  164  NODES=  232  238  239  233  268  274  275  269  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    1.30      TEMP=  25.0      TAUMX=   14.393      SIGE=   25.705
 EP=       .000050      -.000037      -.000026      -.000000       .000150      -.000071  EPPR=      .000075      .000023      -.000111
 SIG=      5.8099       -7.7717       -5.9838       -.15110-01     11.648       -5.4865   SIGPR=     9.6563       1.5279       -19.130

EL=  165  NODES=  233  239  240  234  269  275  276  270  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04    1.30      TEMP=  25.0      TAUMX=   26.461      SIGE=   45.845
 EP=       .000050       .000200      -.000099       .000001      -.000153      -.000062  EPPR=      .000219      .000055      -.000123
 SIG=     30.382        53.626         7.2882        .83052-01    -11.851       -4.8314   SIGPR=     56.538       31.143       3.6150

EL=  166  NODES=  235  241  242  236  271  277  273  272  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .875+04    500.       1.30      TEMP=  25.0      TAUMX=   13.508      SIGE=   23.397
 EP=       .000001       .000040      -.000027      -.000000      -.000150       .000058  EPPR=      .000091      .000005      -.000083
 SIG=      2.1001        8.1382       -2.1373       -.16819-01    -11.632        4.5272   SIGPR=     16.173       2.7698       -10.842

EL=  167  NODES=  236  242  243  237  272  278  279  273  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    1.30      TEMP=  25.0      TAUMX=   12.887      SIGE=   22.394
 EP=       .000001       .000008      -.000028       .000000       .000151       .000060  EPPR=      .000073      .000002      -.000093
 SIG=     -2.7327       -1.5591       -7.0827        .85017-02    11.700        4.6701   SIGPR=     8.4905       -2.5810      -17.283

EL=  168  NODES=  237  243  244  238  273  279  280  274  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    1.30      TEMP=  25.0      TAUMX=   14.527      SIGE=   25.273
 EP=       .000000       .000074      -.000027      -.000000      -.000149       .000049  EPPR=      .000115      .000006      -.000073
 SIG=      7.2198        18.575         2.9979       -.25352-01    -11.567        3.7701   SIGPR=     24.917       8.0119       -4.1363

EL=  169  NODES=  238  244  245  239  274  280  281  275  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    1.30      TEMP=  25.0      TAUMX=   13.166      SIGE=   23.058
 EP=       .000001      -.000037      -.000021       .000001       .000156       .000060  EPPR=      .000059      -.000004      -.000111
 SIG=     -8.4133       -14.415       -11.872        .58043-01    12.109        4.6396   SIGPR=     .46030       -9.2895      -25.871

EL=  170  NODES=  239  245  246  240  275  281  282  276  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    1.30      TEMP=  25.0      TAUMX=   26.589      SIGE=   46.375
 EP=       .000002       .000200      -.000094      -.000001      -.000154       .000076  EPPR=      .000219      .000012      -.000124
 SIG=     16.510        47.125         1.5766       -.10012      -11.965        5.8789   SIGPR=     50.146       18.098       -3.0318

EL=  171  NODES=  241  247  248  242  277  283  284  278  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .112+05    500.       1.30      TEMP=  25.0      TAUMX=   15.402      SIGE=   28.694
 EP=       .000085       .000040      -.000052       .000001      -.000150      -.000062  EPPR=      .000101      .000070      -.000098
 SIG=     24.218        17.132         2.9771        .38995-01    -11.606       -4.7744   SIGPR=     26.656       21.819       -4.1486

EL=  172  NODES=  242  248  249  243  278  284  285  279  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    1.30      TEMP=  25.0      TAUMX=   15.551      SIGE=   28.365
 EP=       .000085       .000008      -.000053      -.000000       .000150      -.000056  EPPR=      .000095      .000052      -.000106
 SIG=     19.383        7.4415        -1.9634       -.36594-01    11.616       -4.3361   SIGPR=     20.875       14.214       -10.228

EL=  173  NODES=  243  249  250  244  279  285  286  280  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    1.30      TEMP=  25.0      TAUMX=   15.876      SIGE=   29.662
 EP=       .000085       .000074      -.000052       .000001      -.000152      -.000050  EPPR=      .000114      .000084      -.000091
 SIG=     29.364        27.575         8.1184        .53273-01    -11.796       -3.9081   SIGPR=     33.854       29.100       2.1027

EL=  174  NODES=  244  250  251  245  280  286  287  281  MAT=  2  VOL=   .5000+06                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    1.30      TEMP=  25.0      TAUMX=   16.812      SIGE=   29.698
 EP=       .000084      -.000037      -.000045      -.000002       .000153      -.000070  EPPR=      .000096      .000026      -.000121
 SIG=     13.131        -5.6030       -6.7998       -.11993      11.823       -5.4088   SIGPR=     15.110       4.1320       -18.514
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EL=  175  NODES=  245  251  252  246  281  287  288  282  MAT=  2  VOL=    .5000+06                                    3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    1.30      TEMP=   25.0       TAUMX=    27.524      SIGE=    48.269
 EP=       .000082     .000196    -.000116     .000001     -.000157    -.000069  EPPR=      .000215    .000086    -.000140
 SIG=     37.009      54.699      6.3066     .62244-01    -12.184     -5.3479   SIGPR=     57.677     37.709     2.6282

EL=  176  NODES=  253  259  260  254  289  295  296  290  MAT=  2  VOL=    .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .125+04    500.       1.80      TEMP=   25.0       TAUMX=    13.620      SIGE=    24.105
 EP=       .000035     .000039    -.000031     .000000     -.000148    -.000063  EPPR=      .000092    .000036    -.000084
 SIG=     11.983      12.643      1.7140     .16589-02    -11.488     -4.9145   SIGPR=     20.750     12.080     -6.4906

EL=  177  NODES=  254  260  261  255  290  296  297  291  MAT=  2  VOL=    .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    1.80      TEMP=   25.0       TAUMX=    13.115      SIGE=    23.519
 EP=       .000035     .000009    -.000032    -.000000     .000149    -.000063  EPPR=      .000076    .000033    -.000094
 SIG=      7.2307      3.1179     -3.1590    -.10684-02    11.557     -4.8406   SIGPR=     13.481     6.4580     -12.749

EL=  178  NODES=  255  261  262  256  291  297  298  292  MAT=  2  VOL=    .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    1.80      TEMP=   25.0       TAUMX=    14.919      SIGE=    26.027
 EP=       .000035     .000073    -.000031     .000000     -.000151    -.000062  EPPR=      .000115    .000039    -.000077
 SIG=     17.035      22.899      6.7693     .75416-02    -11.680     -4.7670   SIGPR=     29.447     17.648     -.39054

EL=  179  NODES=  256  262  263  257  292  298  299  293  MAT=  2  VOL=    .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    1.80      TEMP=   25.0       TAUMX=    13.608      SIGE=    24.458
 EP=       .000035    -.000036    -.000026     .000000     .000153    -.000062  EPPR=      .000065    .000019    -.000111
 SIG=      1.4189     -9.6571     -7.9755     .39759-02    11.854     -4.8230   SIGPR=     6.0264     -1.0500    -21.190

EL=  180  NODES=  257  263  264  258  293  299  300  294  MAT=  2  VOL=    .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    1.80      TEMP=   25.0       TAUMX=    26.419      SIGE=    45.773
 EP=       .000035     .000198    -.000098     .000001     -.000157    -.000061  EPPR=      .000218    .000040    -.000123
 SIG=     25.789      51.058      5.1816     .52128-01    -12.162     -4.7446   SIGPR=     54.134     26.600     1.2951

EL=  181  NODES=  259  265  266  260  295  301  302  296  MAT=  2  VOL=    .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .375+04    500.       1.80      TEMP=   25.0       TAUMX=    13.554      SIGE=    23.714
 EP=       .000022     .000039    -.000032    -.000000     -.000148     .000061  EPPR=      .000090    .000024    -.000085
 SIG=      7.9610      10.632     -.36203    -.23148-02    -11.487      4.7571   SIGPR=     18.517     8.3055     -8.5918

EL=  182  NODES=  260  266  267  261  296  302  303  297  MAT=  2  VOL=    .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    1.80      TEMP=   25.0       TAUMX=    12.995      SIGE=    23.005
 EP=       .000022     .000009    -.000032     .000000     .000149     .000063  EPPR=      .000073    .000020    -.000095
 SIG=      3.2146      1.1087     -5.2328     .26551-02    11.559      4.8449   SIGPR=     11.107     2.8664     -14.883

EL=  183  NODES=  261  267  268  262  297  303  304  298  MAT=  2  VOL=    .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    1.80      TEMP=   25.0       TAUMX=    14.907      SIGE=    25.858
 EP=       .000022     .000073    -.000032    -.000000     -.000150     .000061  EPPR=      .000114    .000027    -.000078
 SIG=     13.012      20.884      4.6901    -.90968-02    -11.605      4.7566   SIGPR=     27.294     13.810     -2.5191

EL=  184  NODES=  262  268  269  263  298  304  305  299  MAT=  2  VOL=    .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    1.80      TEMP=   25.0       TAUMX=    13.169      SIGE=    23.487
 EP=       .000022    -.000036    -.000026     .000000     .000151     .000062  EPPR=      .000060    .000011    -.000110
 SIG=     -2.5478     -11.643     -10.014     .18031-02    11.706      4.8304   SIGPR=     3.2343     -4.3350    -23.104

EL=  185  NODES=  263  269  270  264  299  305  306  300  MAT=  2  VOL=    .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    1.80      TEMP=   25.0       TAUMX=    26.407      SIGE=    45.830
 EP=       .000022     .000198    -.000098    -.000001     -.000155     .000062  EPPR=      .000217    .000028    -.000123
 SIG=     21.861      49.054      3.1722    -.61721-01    -12.040      4.7793   SIGPR=     52.070     22.760     -.74323
```

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EL=  186  NODES=  265  271  272  266  301  307  308  302  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .625+04    500.      1.80      TEMP=  25.0      TAUMX=   13.671      SIGE=   24.626
 EP=      .000050     .000039     -.000032      .000000     -.000148     -.000062  EPPR=     .000093     .000049     -.000083
 SIG=     16.546      14.854       3.8456      .62929-02   -11.471      -4.7968   SIGPR=    23.166      16.257      -4.1772

EL=  187  NODES=  266  272  273  267  302  308  309  303  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04   1.80      TEMP=  25.0      TAUMX=   13.404      SIGE=   24.372
 EP=      .000050     .000009     -.000032     -.000000      .000149     -.000062  EPPR=     .000079     .000041     -.000094
 SIG=     11.791      5.3302      -1.0301     -.28084-02     11.569      -4.8013   SIGPR=    16.297      10.306      -10.512

EL=  188  NODES=  267  273  274  268  303  309  310  304  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04   1.80      TEMP=  25.0      TAUMX=   14.925      SIGE=   26.374
 EP=      .000050     .000073     -.000032      .000000     -.000150     -.000064  EPPR=     .000116     .000053     -.000077
 SIG=     21.609      25.114       8.9044      .16679-01   -11.612      -4.9269   SIGPR=    31.726      22.025      1.8759

EL=  189  NODES=  268  274  275  269  304  310  311  305  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04   1.80      TEMP=  25.0      TAUMX=   14.139      SIGE=   25.413
 EP=      .000050     -.000036    -.000026     -.000000      .000151     -.000064  EPPR=     .000073     .000025     -.000110
 SIG=     5.9090      -7.4769     -5.8902     -.15182-01     11.702      -4.9837   SIGPR=    9.3912      2.0380      -18.887

EL=  190  NODES=  269  275  276  270  305  311  312  306  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04   1.80      TEMP=  25.0      TAUMX=   26.418      SIGE=   45.768
 EP=      .000050     .000198     -.000099      .000001     -.000157     -.000060  EPPR=     .000218     .000054     -.000123
 SIG=     30.195      53.223       7.2123      .82944-01   -12.149      -4.6233   SIGPR=    56.289      30.886      3.4540

EL=  191  NODES=  271  277  278  272  307  313  314  308  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .875+04    500.      1.80      TEMP=  25.0      TAUMX=   13.456      SIGE=   23.308
 EP=      .000001     .000039     -.000027     -.000000     -.000148      .000062  EPPR=     .000091     .000006     -.000083
 SIG=     2.1278      8.1125      -2.1389     -.16927-01   -11.483       4.7713   SIGPR=    16.071      2.8710      -10.841

EL=  192  NODES=  272  278  279  273  308  314  315  309  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04   1.80      TEMP=  25.0      TAUMX=   12.792      SIGE=   22.233
 EP=      .000001     .000009     -.000028      .000000      .000149      .000062  EPPR=     .000073     .000002     -.000093
 SIG=    -2.6189     -1.4013      -7.0069      .84882-02    11.533       4.8036   SIGPR=    8.5038      -2.4501     -17.081

EL=  193  NODES=  273  279  280  274  309  315  316  310  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04   1.80      TEMP=  25.0      TAUMX=   14.939      SIGE=   25.921
 EP=      .000001     .000073     -.000027     -.000000     -.000150      .000065  EPPR=     .000115     .000009     -.000078
 SIG=     7.1506      18.354       2.8980     -.25379-01   -11.623       5.0112   SIGPR=    24.918      8.4443      -4.9599

EL=  194  NODES=  274  280  281  275  310  316  317  311  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04   1.80      TEMP=  25.0      TAUMX=   12.954      SIGE=   22.673
 EP=      .000001     -.000036    -.000021      .000001      .000153      .000062  EPPR=     .000058     -.000005    -.000109
 SIG=    -8.2193     -14.075      -11.735      .57988-01    11.812       4.8099   SIGPR=    .52228      -9.1660     -25.385

EL=  195  NODES=  275  281  282  276  311  317  318  312  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04   1.80      TEMP=  25.0      TAUMX=   26.250      SIGE=   45.866
 EP=      .000002     .000198     -.000094     -.000001     -.000156      .000063  EPPR=     .000218     .000010     -.000121
 SIG=     16.417      46.767       1.5420     -.10015      -12.079       4.9053   SIGPR=    49.841      17.543      -2.6585

EL=  196  NODES=  277  283  284  278  313  319  320  314  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    500.      1.80      TEMP=  25.0      TAUMX=   15.417      SIGE=   28.636
 EP=      .000085     .000039     -.000052      .000001     -.000148     -.000065  EPPR=     .000102     .000069     -.000098
 SIG=     24.134      17.061       2.9522      .39105-01   -11.486      -5.0104   SIGPR=    26.685      21.611      -4.1485
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EL=  197  NODES=  278  284  285  279  314  320  321  315  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    1.80      TEMP=   25.0      TAUMX=    15.575      SIGE=    28.350
 EP=       .000085     .000009    -.000052    -.000000     .000149    -.000059  EPPR=     .000096     .000051    -.000106
 SIG=      19.388      7.5572     -1.9062    -.36504-01    11.540     -4.5719   SIGPR=    21.015      14.159     -10.135

EL=  198  NODES=  279  285  286  280  315  321  322  316  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    1.80      TEMP=   25.0      TAUMX=    16.065      SIGE=    29.883
 EP=       .000085     .000073    -.000052     .000001    -.000149    -.000066  EPPR=     .000116     .000082    -.000092
 SIG=      29.180      27.306      7.9890     .53318-01   -11.575     -5.1042   SIGPR=    33.925      28.755      1.7949

EL=  199  NODES=  280  286  287  281  316  322  323  317  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    1.80      TEMP=   25.0      TAUMX=    16.522      SIGE=    29.309
 EP=       .000083    -.000036    -.000045    -.000002     .000153    -.000061  EPPR=     .000094     .000028    -.000120
 SIG=      13.213     -5.3067     -6.6854     -.12000     11.641     -4.7584   SIGPR=    14.818      4.6284     -18.225

EL=  200  NODES=  281  287  288  282  317  323  324  318  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    1.80      TEMP=   25.0      TAUMX=    27.281      SIGE=    47.855
 EP=       .000082     .000195    -.000116     .000001    -.000155    -.000068  EPPR=     .000213     .000086    -.000139
 SIG=      36.805      54.297      6.2514     .62199-01   -12.003     -5.2876   SIGPR=    57.211      37.496      2.6481

EL=  201  NODES=  289  295  296  290  325  331  332  326  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .125+04    500.       2.60      TEMP=   25.0      TAUMX=    13.346      SIGE=    23.642
 EP=       .000035     .000039    -.000031     .000000    -.000145    -.000062  EPPR=     .000090     .000036    -.000082
 SIG=      11.929      12.557      1.6722     .16566-02   -11.212     -4.8221   SIGPR=    20.414      12.023     -6.2786

EL=  202  NODES=  290  296  297  291  326  332  333  327  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    2.60      TEMP=   25.0      TAUMX=    12.782      SIGE=    22.947
 EP=       .000035     .000009    -.000032    -.000000     .000145    -.000061  EPPR=     .000074     .000030    -.000091
 SIG=      7.3218      3.3309     -3.0602    -.10503-02    11.205     -4.7482   SIGPR=    13.302      6.5526     -12.262

EL=  203  NODES=  291  297  298  292  327  333  334  328  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    2.60      TEMP=   25.0      TAUMX=    14.722      SIGE=    25.700
 EP=       .000035     .000072    -.000031     .000000    -.000148    -.000062  EPPR=     .000113     .000039    -.000077
 SIG=      16.842      22.519      6.6002     .75686-02   -11.497     -4.7854   SIGPR=    28.974      17.457     -.46980

EL=  204  NODES=  292  298  299  293  328  334  335  329  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    2.60      TEMP=   25.0      TAUMX=    13.319      SIGE=    23.963
 EP=       .000035    -.000035    -.000026     .000000     .000150    -.000061  EPPR=     .000064     .000019    -.000108
 SIG=      1.6298     -9.1627     -7.7953     .39759-02    11.613     -4.6937   SIGPR=    6.0488     -.78733     -20.590

EL=  205  NODES=  293  299  300  294  329  335  336  330  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    2.60      TEMP=   25.0      TAUMX=    26.076      SIGE=    45.176
 EP=       .000035     .000196    -.000097     .000001    -.000154    -.000061  EPPR=     .000215     .000040    -.000122
 SIG=      25.542      50.443      5.0836     .52110-01   -11.907     -4.7446   SIGPR=    53.430      26.362      1.2773

EL=  206  NODES=  295  301  302  296  331  337  338  332  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .375+04    500.       2.60      TEMP=   25.0      TAUMX=    13.271      SIGE=    23.232
 EP=       .000022     .000039    -.000032    -.000000    -.000145     .000060  EPPR=     .000088     .000024    -.000083
 SIG=      7.9577      10.571     -.37966     -.23193-02   -11.206      4.6503   SIGPR=    18.198      8.2947     -8.3441

EL=  207  NODES=  296  302  303  297  332  338  339  333  MAT=  2  VOL=   .2000+07                                   3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    2.60      TEMP=   25.0      TAUMX=    12.675      SIGE=    22.463
 EP=       .000022     .000009    -.000032     .000000     .000146     .000060  EPPR=     .000071     .000020    -.000092
 SIG=      3.3559      1.3461     -5.1103     .26776-02    11.271      4.6460   SIGPR=    10.955      3.0323     -14.396
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EL=  208  NODES=  297  303  304  298  333  339  340  334  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    2.60      TEMP=  25.0      TAUMX=   14.716      SIGE=   25.536
 EP=       .000022      .000072     -.000031      -.000000      -.000147      .000062  EPPR=      .000113      .000028     -.000077
 SIG=     12.870       20.528        4.5451      -.90787-02    -11.422       4.7976   SIGPR=   26.847       13.681       -2.5854

EL=  209  NODES=  298  304  305  299  334  340  341  335  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    2.60      TEMP=  25.0      TAUMX=   13.047      SIGE=   23.281
 EP=       .000022     -.000035     -.000026       .000000       .000150      .000061  EPPR=      .000059      .000011     -.000109
 SIG=    -2.2867      -11.124       -9.8099       .18031-02     11.631       4.7607   SIGPR=   3.4392      -4.0058      -22.654

EL=  210  NODES=  299  305  306  300  335  341  342  336  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    2.60      TEMP=  25.0      TAUMX=   26.097      SIGE=   45.239
 EP=       .000023      .000196     -.000097      -.000001      -.000154      .000061  EPPR=      .000215      .000028     -.000122
 SIG=     21.664       48.464        3.0973      -.61721-01    -11.896       4.6918   SIGPR=   51.441       22.537       -.75365

EL=  211  NODES=  301  307  308  302  337  343  344  338  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .625+04    500.       2.60      TEMP=  25.0      TAUMX=   13.505      SIGE=   24.332
 EP=       .000050      .000039     -.000032       .000000      -.000145     -.000064  EPPR=      .000092      .000048     -.000082
 SIG=     16.443       14.745        3.7821       .62320-02    -11.204      -4.9589   SIGPR=   22.928       16.124       -4.0822

EL=  212  NODES=  302  308  309  303  338  344  345  339  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    2.60      TEMP=  25.0      TAUMX=   13.297      SIGE=   24.123
 EP=       .000050      .000009     -.000032      -.000000       .000146     -.000065  EPPR=      .000079      .000040     -.000092
 SIG=     11.834        5.5208       -.95065     -.27948-02     11.319       -5.0001  SIGPR=   16.372       10.254       -10.221

EL=  213  NODES=  303  309  310  304  339  345  346  340  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04    2.60      TEMP=  25.0      TAUMX=   14.778      SIGE=   26.138
 EP=       .000050      .000072     -.000032       .000000      -.000148     -.000065  EPPR=      .000114      .000053     -.000077
 SIG=     21.367       24.711        8.7156       .16679-01    -11.447      -5.0521   SIGPR=   31.277       21.796        1.7213

EL=  214  NODES=  304  310  311  305  340  346  347  341  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    2.60      TEMP=  25.0      TAUMX=   14.033      SIGE=   25.232
 EP=       .000050     -.000035     -.000026      -.000000       .000150     -.000064  EPPR=      .000072      .000025     -.000109
 SIG=      6.0698       -7.0062      -5.7327      -.15092-01     11.646       -4.9611  SIGPR=   9.5531       2.2911      -18.513

EL=  215  NODES=  305  311  312  306  341  347  348  342  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04    2.60      TEMP=  25.0      TAUMX=   26.108      SIGE=   45.236
 EP=       .000050      .000196     -.000098       .000001      -.000154     -.000062  EPPR=      .000215      .000054     -.000122
 SIG=     29.899       52.585        7.0938       .82935-01    -11.894      -4.8215   SIGPR=   55.567       30.658        3.3519

EL=  216  NODES=  307  313  314  308  343  349  350  344  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .875+04    500.       2.60      TEMP=  25.0      TAUMX=   13.164      SIGE=   22.803
 EP=       .000001      .000039     -.000027      -.000000      -.000145      .000060  EPPR=      .000089      .000006     -.000081
 SIG=      2.1701       6.0701       -2.1455      -.16931-01    -11.200       4.6461   SIGPR=   15.764       2.8956      -10.564

EL=  217  NODES=  308  314  315  309  344  350  351  345  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    2.60      TEMP=  25.0      TAUMX=   12.577      SIGE=   21.862
 EP=       .000001      .000009     -.000028       .000000       .000146      .000061  EPPR=      .000071      .000002     -.000091
 SIG=     -2.4303      -1.1436       -6.8699       .85243-02     11.301       4.7524   SIGPR=   8.4795       -2.2492      -16.674

EL=  218  NODES=  309  315  316  310  345  351  352  346  MAT=  2  VOL=   .2000+07                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    2.60      TEMP=  25.0      TAUMX=   14.664      SIGE=   25.441
 EP=       .000001      .000072     -.000027      -.000000      -.000147      .000063  EPPR=      .000113      .000009     -.000076
 SIG=      7.0557       18.019        2.7684      -.25388-01    -11.402       4.8859   SIGPR=   24.435       8.3024       -4.8934
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EL=  219  NODES=  310  316  317  311  346  352  353  347  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    2.60      TEMP=  25.0      TAUMX=   12.661      SIGE=   22.158
 EP=      .000002     -.000035     -.000022      .000001      .000148      .000062  EPPR=     .000057     -.000004     -.000107
 SIG=    -7.9116     -13.536      -11.518       .58151-01    11.497       4.8325   SIGPR=    .61528      -8.8739      -24.707

EL=  220  NODES=  311  317  316  312  347  353  354  348  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    2.60      TEMP=  25.0      TAUMX=   26.034      SIGE=   45.471
 EP=      .000003      .000196     -.000093     -.000001     -.000156      .000064  EPPR=     .000216      .000010     -.000120
 SIG=    16.268      46.198       1.4840      -.10022      -12.082       4.9286   SIGPR=   49.306       17.405      -2.7611

EL=  221  NODES=  313  319  320  314  349  355  356  350  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    500.       2.60      TEMP=  25.0      TAUMX=   15.003      SIGE=   27.988
 EP=      .000085      .000039     -.000052      .000001     -.000145     -.000058  EPPR=     .000099      .000069     -.000095
 SIG=    23.994      16.943       2.8992       .39099-01    -11.201      -4.5078   SIGPR=   26.150       21.542      -3.8559

EL=  222  NODES=  314  320  321  315  350  356  357  351  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    2.60      TEMP=  25.0      TAUMX=   15.651      SIGE=   28.320
 EP=      .000085      .000009     -.000052     -.000000      .000146     -.000067  EPPR=     .000097      .000049     -.000105
 SIG=    19.390       7.7354      -1.8237      -.36540-01    11.299      -5.1770   SIGPR=   21.354       13.896      -9.9485

EL=  223  NODES=  315  321  322  316  351  357  358  352  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    2.60      TEMP=  25.0      TAUMX=   15.778      SIGE=   29.427
 EP=      .000085      .000072     -.000051      .000001     -.000148     -.000061  EPPR=     .000113      .000082     -.000090
 SIG=    28.904      26.897       7.8148       .53246-01    -11.428      -4.7494   SIGPR=   33.346       23.479       1.7896

EL=  224  NODES=  316  322  323  317  352  358  359  353  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    2.60      TEMP=  25.0      TAUMX=   16.264      SIGE=   28.799
 EP=      .000083     -.000034     -.000045     -.000002      .000149     -.000062  EPPR=     .000093      .000027     -.000117
 SIG=    13.341      -4.8415      -6.5114      -.11986      11.507      -4.7727   SIGPR=   14.932       4.6524      -17.596

EL=  225  NODES=  317  323  324  318  353  359  360  354  MAT=  2  VOL=   .2000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    2.60      TEMP=  25.0      TAUMX=   27.018      SIGE=   47.381
 EP=      .000081      .000192     -.000115      .000001     -.000156     -.000062  EPPR=     .000211      .000085     -.000137
 SIG=    36.475      53.654       6.1471       .62325-01    -12.117      -4.7842   SIGPR=   56.636       37.040       2.5999

EL=  226  NODES=  325  331  332  326  361  367  368  362  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .125+04    500.       4.00      TEMP=  25.0      TAUMX=   12.890      SIGE=   22.871
 EP=      .000035      .000039     -.000031      .000000     -.000139     -.000061  EPPR=     .000087      .000036     -.000080
 SIG=    11.838      12.412       1.6016       .16589-02    -10.742      -4.6880   SIGPR=   19.853       11.925      -5.9266

EL=  227  NODES=  326  332  333  327  362  368  369  363  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    4.00      TEMP=  25.0      TAUMX=   12.443      SIGE=   22.354
 EP=      .000035      .000011     -.000032     -.000000      .000140     -.000061  EPPR=     .000072      .000030     -.000089
 SIG=     7.4747       3.6891      -2.8936      -.10548-02    10.813      -4.7019   SIGPR=   13.222       6.7128      -11.664

EL=  228  NODES=  327  333  334  328  363  369  370  364  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    4.00      TEMP=  25.0      TAUMX=   14.224      SIGE=   24.858
 EP=      .000035      .000070     -.000031      .000000     -.000142     -.000060  EPPR=     .000109      .000039     -.000074
 SIG=    16.515      21.876       6.3133       .75506-02    -11.028      -4.6744   SIGPR=   28.020       17.112      -.42723

EL=  229  NODES=  328  334  335  329  364  370  371  365  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    4.00      TEMP=  25.0      TAUMX=   12.991      SIGE=   23.364
 EP=      .000035     -.000032     -.000026      .000000      .000146     -.000060  EPPR=     .000063      .000019     -.000105
 SIG=     1.9865      -8.3259      -7.4896       .39488-02    11.296      -4.6658   SIGPR=    6.2854      -.41742     -19.697
```

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EL= 230  NODES= 329  335  336  330  365  371  372  366  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .125+04   .450+04   4.00   TEMP=  25.0      TAUMX=  25.651    SIGE=  44.437
 EP=       .000035    .000192    -.000096    .000001     -.000153    -.000060  EPPR=  .000211    .000040    -.000120
 SIG=      25.122     49.398     4.9167      .52063-01   -11.850     -4.6659   SIGPR= 52.410     25.920     1.1073

EL= 231  NODES= 331  337  338  332  367  373  374  368  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .375+04   500.      4.00   TEMP=  25.0      TAUMX=  12.874    SIGE=  22.564
 EP=       .000022    .000039    -.000031    -.000000    -.000139    .000060   EPPR=  .000086    .000025    -.000081
 SIG=      7.9527     10.468     -.40978     -.23035-02  -10.742     4.6789    SIGPR= 17.727     8.3039     -8.0204

EL= 232  NODES= 332  338  339  333  368  374  375  369  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .375+04   .150+04   4.00   TEMP=  25.0      TAUMX=  12.302    SIGE=  21.819
 EP=       .000023    .000011    -.000032    .000000     .000140     .000060   EPPR=  .000070    .000020    -.000089
 SIG=      3.5954     1.7464     -4.9030     .26281-02   10.820      4.6519    SIGPR= 10.884     3.2763     -13.721

EL= 233  NODES= 333  339  340  334  369  375  376  370  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .375+04   .250+04   4.00   TEMP=  25.0      TAUMX=  14.227    SIGE=  24.699
 EP=       .000022    .000070    -.000031    -.000000    -.000142    .000060   EPPR=  .000109    .000027    -.000075
 SIG=      12.629     19.927     4.2989      -.91283-02  -10.990     4.6276    SIGPR= 25.955     13.400     -2.4991

EL= 234  NODES= 334  340  341  335  370  376  377  371  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .375+04   .350+04   4.00   TEMP=  25.0      TAUMX=  12.731    SIGE=  22.723
 EP=       .000023    -.000032   -.000027    .000000     .000146     .000061   EPPR=  .000059    .000012    -.000106
 SIG=      -1.8429    -10.245    -9.4625     .18121-02   11.332      4.7064    SIGPR= 3.7192     -3.5260    -21.743

EL= 235  NODES= 335  341  342  336  371  377  378  372  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .375+04   .450+04   4.00   TEMP=  25.0      TAUMX=  25.710    SIGE=  44.606
 EP=       .000023    .000191    -.000096    -.000001    -.000154    .000060   EPPR=  .000211    .000028    -.000121
 SIG=      21.330     47.460     2.9715      -.61784-01  -11.903     4.6579    SIGPR= 50.494     22.193     -.92522

EL= 236  NODES= 337  343  344  338  373  379  380  374  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .625+04   500.      4.00   TEMP=  25.0      TAUMX=  13.034    SIGE=  23.538
 EP=       .000050    .000039    -.000032    .000000     -.000139    -.000061  EPPR=  .000089    .000048    -.000080
 SIG=      16.266     14.560     3.6746      .62681-02   -10.743     -4.7547   SIGPR= 22.313     15.942     -3.7547

EL= 237  NODES= 338  344  345  339  374  380  381  375  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .625+04   .150+04   4.00   TEMP=  25.0      TAUMX=  12.768    SIGE=  23.233
 EP=       .000050    .000011    -.000032    -.000000    .000140     -.000061  EPPR=  .000076    .000040    -.000088
 SIG=      11.901     5.8384     -.82140     -.28715-02  10.835      -4.6940   SIGPR= 16.033     10.387     -9.5024

EL= 238  NODES= 339  345  346  340  375  381  382  376  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .625+04   .250+04   4.00   TEMP=  25.0      TAUMX=  14.251    SIGE=  25.251
 EP=       .000050    .000070    -.000031    .000000     -.000142    -.000062  EPPR=  .000110    .000052    -.000074
 SIG=      20.955     24.028     8.3920      .16607-01   -10.997     -4.7926   SIGPR= 30.268     21.340     1.7667

EL= 239  NODES= 340  346  347  341  376  382  383  377  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .625+04   .350+04   4.00   TEMP=  25.0      TAUMX=  13.634    SIGE=  24.553
 EP=       .000049    -.000032   -.000027    -.000000    .000147     -.000061  EPPR=  .000071    .000026    -.000105
 SIG=      6.3416     -6.2091    -5.4624     -.15020-01  11.347      -4.7566   SIGPR= 9.6156     2.7060     -17.652

EL= 240  NODES= 341  347  348  342  377  383  384  378  MAT= 2  VOL=  .5000+07                        3-D SOLID  45
XC,YC,ZC=  .625+04   .450+04   4.00   TEMP=  25.0      TAUMX=  25.690    SIGE=  44.514
 EP=       .000049    .000192    -.000096    .000001     -.000153    -.000061  EPPR=  .000211    .000054    -.000120
 SIG=      29.393     51.500     6.8903      .82854-01   -11.674     -4.6891   SIGPR= 54.523     30.115     3.1441
```

```
EL=  241  NODES=  343  349  350  344  379  385  386  380  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .875+04    500.       4.00      TEMP=   25.0      TAUMX=    12.608      SIGE=    22.191
 EP=       .000002      .000039     -.000027     -.000000     -.000139      .000062  EPPR=      .000086     .000007     -.000079
 SIG=     2.2463       8.0019      -2.1519      -.16952-01   -10.743       4.7761   SIGPR=    15.338       3.0364     -10.278

EL=  242  NODES=  344  350  351  345  380  386  387  381  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    4.00      TEMP=   25.0      TAUMX=    12.200      SIGE=    21.215
 EP=       .000002      .000011     -.000028      .000000      .000140      .000062  EPPR=      .000069     .000003     -.000088
 SIG=    -2.1103      -.70934      -6.6400       .85378-02    10.822       4.8275   SIGPR=     8.4165     -1.8928     -15.983

EL=  243  NODES=  345  351  352  346  381  387  388  382  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    4.00      TEMP=   25.0      TAUMX=    14.220      SIGE=    24.664
 EP=       .000001      .000070     -.000027     -.000000     -.000142      .000061  EPPR=      .000109     .000009     -.000074
 SIG=     6.8973       17.455       2.5480      -.25442-01   -11.017       4.7575   SIGPR=    23.618       8.1031     -4.8216

EL=  244  NODES=  346  352  353  347  382  388  389  383  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    4.00      TEMP=   25.0      TAUMX=    12.463      SIGE=    21.807
 EP=       .000002     -.000032     -.000022      .000001      .000146      .000063  EPPR=      .000057     -.000004     -.000104
 SIG=    -7.3892      -12.625      -11.152       .58052-01    11.291       4.8706   SIGPR=     1.0441     -8.3282     -23.882

EL=  245  NODES=  347  353  354  348  383  389  390  384  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    4.00      TEMP=   25.0      TAUMX=    25.523      SIGE=    44.577
 EP=       .000003      .000192     -.000091     -.000001     -.000154      .000061  EPPR=      .000212     .000010     -.000118
 SIG=    16.014       45.228       1.3785      -.10022      -11.914       4.6916   SIGPR=    48.305      17.057      -2.7414

EL=  246  NODES=  349  355  356  350  385  391  392  386  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .112+05    500.       4.00      TEMP=   25.0      TAUMX=    14.880      SIGE=    27.572
 EP=       .000084      .000039     -.000051      .000001     -.000139     -.000064  EPPR=      .000099     .000066     -.000093
 SIG=    23.756       16.746       2.8159       .39044-01   -10.737      -4.9501   SIGPR=    26.055      20.969      -3.7059

EL=  247  NODES=  350  356  357  351  386  392  393  387  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    4.00      TEMP=   25.0      TAUMX=    15.192      SIGE=    27.494
 EP=       .000084      .000011     -.000052     -.000000      .000140     -.000063  EPPR=      .000095     .000048     -.000101
 SIG=    19.398       8.0424      -1.6677      -.36536-01    10.825      -4.8617   SIGPR=    21.127      13.903      -9.2580

EL=  248  NODES=  351  357  358  352  387  393  394  388  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    4.00      TEMP=   25.0      TAUMX=    15.414      SIGE=    28.792
 EP=       .000084      .000070     -.000051      .000001     -.000142     -.000063  EPPR=      .000110     .000081     -.000089
 SIG=    28.427       26.199       7.5098       .53206-01   -10.996      -4.8408   SIGPR=    32.532      27.899       1.7048

EL=  249  NODES=  352  358  359  353  388  394  395  389  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    4.00      TEMP=   25.0      TAUMX=    16.048      SIGE=    28.411
 EP=       .000082     -.000031     -.000045     -.000002      .000146     -.000062  EPPR=      .000093     .000027     -.000114
 SIG=    13.548       -4.0604      -6.2252      -.11974       11.320      -4.8269   SIGPR=    15.176       5.0069     -16.920

EL=  250  NODES=  353  359  360  354  389  395  396  390  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    4.00      TEMP=   25.0      TAUMX=    26.513      SIGE=    46.532
 EP=       .000081      .000188     -.000113      .000001     -.000153     -.000062  EPPR=      .000207     .000084     -.000135
 SIG=    35.905       52.553       5.9592       .62803-01   -11.884      -4.7996   SIGPR=    55.482      36.480       2.4557

EL=  251  NODES=  361  367  368  362  397  403  404  398  MAT=  2  VOL=   .5000+07                                   3-D SOLID  45
XC,YC,ZC=    .125+04    500.       6.00      TEMP=   25.0      TAUMX=    12.293      SIGE=    21.865
 EP=       .000035      .000038     -.000031      .000000     -.000130     -.000059  EPPR=      .000083     .000035     -.000076
 SIG=    11.711       12.213       1.5040       .16656-02   -10.100      -4.5632   SIGPR=    19.110      11.792      -5.4748
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```
EL=  252  NODES=  362  368  369  363  398  404  405  399  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    6.00      TEMP=  25.0      TAUMX=   11.907      SIGE=   21.427
 EP=       .000035     .000012    -.000032    -.000000     .000132    -.000059  EPPR=     .000069    .000030    -.000084
 SIG=     7.6839      4.1809     -2.6642    -.10503-02    10.224     -4.5632   SIGPR=   13.035     6.9446    -10.779

EL=  253  NODES=  363  369  370  364  399  405  406  400  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    6.00      TEMP=  25.0      TAUMX=   13.629      SIGE=   23.860
 EP=       .000035     .000067    -.000031     .000000    -.000135    -.000059  EPPR=     .000104    .000039    -.000072
 SIG=     10.064      20.991      5.9175     .75506-02   -10.486     -4.5542   SIGPR=   26.798     16.636    -.46121

EL=  254  NODES=  364  370  371  365  400  406  407  401  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    6.00      TEMP=  25.0      TAUMX=   12.506      SIGE=   22.500
 EP=       .000035    -.000027    -.000027     .000000     .000140    -.000059  EPPR=     .000061    .000020    -.000100
 SIG=     2.4785     -7.1707     -7.0669     .39669-02    10.831     -4.5549   SIGPR=   6.5572     .13842    -18.455

EL=  255  NODES=  365  371  372  366  401  407  408  402  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    6.00      TEMP=  25.0      TAUMX=   25.001      SIGE=   43.307
 EP=       .000035     .000186    -.000093     .000001    -.000150    -.000059  EPPR=     .000205    .000040    -.000118
 SIG=     24.538      47.947      4.6853     .52047-01   -11.645     -4.5411   SIGPR=   50.934     25.304     .93225

EL=  256  NODES=  367  373  374  368  403  409  410  404  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .375+04    500.       6.00      TEMP=  25.0      TAUMX=   12.267      SIGE=   21.539
 EP=       .000023     .000038    -.000031    -.000000    -.000130     .000059  EPPR=     .000081    .000025    -.000077
 SIG=     7.9476      10.327     -.45039    -.22877-02   -10.098      4.5412   SIGPR=   17.031     8.2958    -7.5029

EL=  257  NODES=  368  374  375  369  404  410  411  405  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    6.00      TEMP=  25.0      TAUMX=   11.753      SIGE=   20.880
 EP=       .000023     .000012    -.000032     .000000     .000132     .000058  EPPR=     .000067    .000021    -.000085
 SIG=     3.9266      2.2973     -4.6163     .26100-02    10.212      4.5239   SIGPR=   10.742     3.6313    -12.765

EL=  258  NODES=  369  375  376  370  405  411  412  406  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    6.00      TEMP=  25.0      TAUMX=   13.643      SIGE=   23.705
 EP=       .000023     .000067    -.000031    -.000000    -.000135     .000058  EPPR=     .000104    .000028    -.000073
 SIG=     12.299      19.101      3.9603    -.90742-02   -10.475      4.4807   SIGPR=   24.807     13.033    -2.4796

EL=  259  NODES=  370  376  377  371  406  412  413  407  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    6.00      TEMP=  25.0      TAUMX=   12.258      SIGE=   21.898
 EP=       .000023    -.000027    -.000027     .000000     .000141     .000059  EPPR=     .000057    .000012    -.000101
 SIG=     -1.2294     -9.0306     -8.9829     .17941-02    10.896      4.5783   SIGPR=   4.0564     -2.8399    -20.459

EL=  260  NODES=  371  377  378  372  407  413  414  408  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    6.00      TEMP=  25.0      TAUMX=   25.053      SIGE=   43.455
 EP=       .000023     .000186    -.000094    -.000001    -.000151     .000059  EPPR=     .000205    .000028    -.000118
 SIG=     20.868      46.068      2.7974    -.61712-01   -11.670      4.5730   SIGPR=   49.065     21.710    -1.0418

EL=  261  NODES=  373  379  380  374  409  415  416  410  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .625+04    500.       6.00      TEMP=  25.0      TAUMX=   12.429      SIGE=   22.513
 EP=       .000049     .000038    -.000031     .000000    -.000130    -.000059  EPPR=     .000085    .000047    -.000076
 SIG=     16.019      14.304      3.5261     .62816-02   -10.097     -4.5967   SIGPR=   21.517     15.673    -3.3415

EL=  262  NODES=  374  380  381  375  410  416  417  411  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    6.00      TEMP=  25.0      TAUMX=   12.214      SIGE=   22.253
 EP=       .000049     .000012    -.000032    -.000000     .000132    -.000059  EPPR=     .000074    .000039    -.000084
 SIG=     11.990      6.2734     -.64356    -.28715-02    10.213     -4.5541   SIGPR=   15.787     10.473    -8.6410
```

```
EL=  263  NODES=  375  381  382  376  411  417  418  412  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .625+04   .250+04   6.00      TEMP=  25.0      TAUMX=   13.645      SIGE=   24.240
  EP=      .000049     .000067    -.000031     .000000     -.000135    -.000059  EPPR=     .000105     .000051    -.000071
  SIG=    20.382      23.086      7.9435     .16647-01    -10.464     -4.5977   SIGPR=   28.987      20.728      1.6968

EL=  264  NODES=  376  382  383  377  412  418  419  413  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .625+04   .350+04   6.00      TEMP=  25.0      TAUMX=   13.118      SIGE=   23.616
  EP=      .000049    -.000027    -.000027    -.000000     .000140    -.000060  EPPR=     .000069     .000026    -.000100
  SIG=     6.7136     -5.1103     -5.0908    -.14885-01    10.854     -4.6445   SIGPR=    9.8086     3.1314    -16.428

EL=  265  NODES=  377  383  384  378  413  419  420  414  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .625+04   .450+04   6.00      TEMP=  25.0      TAUMX=   25.058      SIGE=   43.426
  EP=      .000049     .000186    -.000094     .000001     -.000151    -.000060  EPPR=     .000206     .000053    -.000118
  SIG=    28.689      49.992      6.6088     .82745-01    -11.679     -4.6491   SIGPR=   52.998      29.409      2.8833

EL=  266  NODES=  379  385  386  380  415  421  422  416  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .875+04   500.      6.00      TEMP=  25.0      TAUMX=   12.203      SIGE=   21.147
  EP=      .000002     .000038    -.000027    -.000000     -.000130     .000060  EPPR=     .000082     .000007    -.000076
  SIG=     2.3554      7.9098     -2.1595    -.16938-01    -10.101      4.6478   SIGPR=   14.681      3.1505     -9.7255

EL=  267  NODES=  380  386  387  381  416  422  423  417  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .875+04   .150+04   6.00      TEMP=  25.0      TAUMX=   11.694      SIGE=   20.347
  EP=      .000002     .000012    -.000028     .000000     .000132     .000062  EPPR=     .000067     .000004    -.000084
  SIG=    -1.6647     -.10971     -6.3200     .65739-02    10.219      4.8103   SIGPR=    8.3477    -1.4023    -15.040

EL=  268  NODES=  381  387  388  382  417  423  424  418  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .875+04   .250+04   6.00      TEMP=  25.0      TAUMX=   13.637      SIGE=   23.640
  EP=      .000002     .000067    -.000027    -.000000     -.000135     .000061  EPPR=     .000104     .000010    -.000072
  SIG=     6.6816     16.677      2.2421    -.25523-01    -10.465      4.7029   SIGPR=   22.494      7.8874     -4.7809

EL=  269  NODES=  382  388  389  383  418  424  425  419  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .875+04   .350+04   6.00      TEMP=  25.0      TAUMX=   12.036      SIGE=   21.074
  EP=      .000003    -.000027    -.000023     .000001     .000141     .000060  EPPR=     .000055    -.000002    -.000100
  SIG=    -6.6618    -11.362     -10.640     .57952-01    10.947      4.6686   SIGPR=    1.4537     -7.4988     -22.619

EL=  270  NODES=  383  389  390  384  419  425  426  420  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .875+04   .450+04   6.00      TEMP=  25.0      TAUMX=   24.858      SIGE=   43.381
  EP=      .000004     .000186    -.000089    -.000001     -.000150     .000061  EPPR=     .000205     .000011    -.000116
  SIG=    15.666      43.885      1.2389     -.10024      -11.607      4.6945   SIGPR=   46.891      16.724     -2.8245

EL=  271  NODES=  385  391  392  386  421  427  428  422  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .112+05   500.      6.00      TEMP=  25.0      TAUMX=   14.418      SIGE=   26.657
  EP=      .000083     .000038    -.000051     .000001     -.000130    -.000063  EPPR=     .000096     .000064    -.000090
  SIG=    23.419      16.469      2.6944     .39024-01    -10.100     -4.8568   SIGPR=   25.504      20.411     -3.3320

EL=  272  NODES=  386  392  393  387  422  428  429  423  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .112+05   .150+04   6.00      TEMP=  25.0      TAUMX=   14.756      SIGE=   26.644
  EP=      .000083     .000012    -.000052    -.000000     .000132    -.000062  EPPR=     .000094     .000047    -.000097
  SIG=    19.397      8.4569     -1.4628    -.36495-01    10.231     -4.8050   SIGPR=   21.044      13.815     -8.4681

EL=  273  NODES=  387  393  394  388  423  429  430  424  MAT=  2  VOL=  .5000+07                                    3-D SOLID  45
XC,YC,ZC=   .112+05   .250+04   6.00      TEMP=  25.0      TAUMX=   14.932      SIGE=   27.942
  EP=      .000083     .000067    -.000050     .000001     -.000135    -.000063  EPPR=     .000107     .000079    -.000086
  SIG=    27.766      25.256      7.0906     .52917-01    -10.454     -4.8769   SIGPR=   31.436      27.084      1.5730
```

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EL=  274  NODES=  388  394  395  389  424  430  431  425  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .112+05   .350+04   6.00      TEMP=  25.0      TAUMX=   15.655      SIGE=   27.689
 EP=      .000081    -.000027    -.000046    -.000002     .000141    -.000063  EPPR=     .000092    .000027    -.000110
 SIG=    13.832      -2.9807     -5.8236     -.11972     10.920     -4.8442    SIGPR=   15.463      5.4130    -15.848

EL=  275  NODES=  389  395  396  390  425  431  432  426  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .112+05   .450+04   6.00      TEMP=  25.0      TAUMX=   25.825      SIGE=   45.376
 EP=      .000080     .000182    -.000110     .000001    -.000150    -.000062  EPPR=     .000201    .000083    -.000133
 SIG=    35.115      51.029      5.7084      .63299-01   -11.596     -4.8152    SIGPR=   53.901     35.701      2.2507

EL=  276  NODES=  397  403  404  398  433  439  440  434  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .125+04   500.      8.00      TEMP=  25.0      TAUMX=   11.736      SIGE=   20.930
 EP=      .000035     .000038    -.000031     .000000    -.000123    -.000057  EPPR=     .000079    .000035    -.000073
 SIG=    11.589      12.023      1.4110      .16589-02    -9.4959     -4.4476    SIGPR=   18.416     11.664     -5.0566

EL=  277  NODES=  398  404  405  399  434  440  441  435  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .150+04   8.00      TEMP=  25.0      TAUMX=   11.384      SIGE=   20.524
 EP=      .000035     .000014    -.000032    -.000000     .000124    -.000057  EPPR=     .000067    .000033    -.000080
 SIG=     7.8808      4.6453     -2.4467     -.10503-02    9.6337     -4.4384    SIGPR=   12.844     7.1585     -9.9233

EL=  278  NODES=  399  405  406  400  435  441  442  436  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .250+04   8.00      TEMP=  25.0      TAUMX=   13.054      SIGE=   22.899
 EP=      .000035     .000064    -.000030     .000000    -.000128    -.000058  EPPR=     .000099    .000038    -.000069
 SIG=    15.633      20.150      5.5399      .75821-02    -9.9439     -4.4664    SIGPR=   25.621     16.189     -.48705

EL=  279  NODES=  400  406  407  401  436  442  443  437  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .350+04   8.00      TEMP=  25.0      TAUMX=   12.029      SIGE=   21.650
 EP=      .000035    -.000024    -.000027     .000000     .000134    -.000057  EPPR=     .000060    .000020    -.000096
 SIG=     2.9465     -6.0707     -6.6631      .39759-02    10.366     -4.4485    SIGPR=    6.8044     .66133    -17.253

EL=  280  NODES=  401  407  408  402  437  443  444  438  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .450+04   8.00      TEMP=  25.0      TAUMX=   24.408      SIGE=   42.277
 EP=      .000035     .000180    -.000091     .000001    -.000149    -.000057  EPPR=     .000200    .000039    -.000115
 SIG=    23.977      46.554      4.4643      .52038-01   -11.505     -4.4440    SIGPR=   49.546     24.718      .73114

EL=  281  NODES=  403  409  410  404  439  445  446  440  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .375+04   500.      8.00      TEMP=  25.0      TAUMX=   11.681      SIGE=   20.550
 EP=      .000023     .000038    -.000031    -.000000    -.000123     .000056  EPPR=     .000077    .000025    -.000073
 SIG=     7.9453     10.195      -.48715     -.22967-02    -9.4905     4.3575    SIGPR=   16.366     8.2833     -6.9963

EL=  282  NODES=  404  410  411  405  440  446  447  441  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .150+04   8.00      TEMP=  25.0      TAUMX=   11.272      SIGE=   20.057
 EP=      .000023     .000014    -.000032     .000000     .000125     .000057  EPPR=     .000064    .000021    -.000081
 SIG=     4.2424      2.8194     -4.3428      .26641-02    9.6600     4.4282    SIGPR=   10.646      3.9702    -11.897

EL=  283  NODES=  405  411  412  406  441  447  448  442  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .250+04   8.00      TEMP=  25.0      TAUMX=   13.088      SIGE=   22.765
 EP=      .000023     .000064    -.000031    -.000000    -.000129     .000057  EPPR=     .000099    .000028    -.000070
 SIG=    11.988      18.318      3.6387      -.90517-02   -9.9598     4.3984    SIGPR=   23.707     12.706     -2.4691

EL=  284  NODES=  406  412  413  407  442  448  449  443  MAT=  2  VOL=  .5000+07                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .350+04   8.00      TEMP=  25.0      TAUMX=   11.753      SIGE=   21.029
 EP=      .000023    -.000024    -.000026     .000000     .000135     .000057  EPPR=     .000055    .000013    -.000097
 SIG=    -.64233     -7.8727     -8.5231      .17580-02    10.440     4.3902    SIGPR=    4.3135    -2.1601    -19.192
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EL= 285	NODES=	407 413 414 408	443 449 450 444	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.375+04	.450+04	8.00	TEMP=	25.0	TAUMX=	24.438	SIGE=	42.375	
EP=	.000023	.000180	-.000092	-.000001	-.000148	.000058	EPPR=	.000199	.000029	-.000116
SIG=	20.426	44.733	2.6319	-.61595-01	-11.474	4.4974	SIGPR=	47.708	21.250	-1.1668
EL= 286	NODES=	409 415 416 410	445 451 452 446	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.625+04	500.	8.00	TEMP=	25.0	TAUMX=	11.912	SIGE=	21.628	
EP=	.000049	.000038	-.000031	.000000	-.000123	-.000059	EPPR=	.000081	.000046	-.000073
SIG=	15.779	14.058	3.3816	.62005-02	-9.4929	-4.5495	SIGPR=	20.822	15.397	-3.0014
EL= 287	NODES=	410 416 417 411	446 452 453 447	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.625+04	.150+04	8.00	TEMP=	25.0	TAUMX=	11.756	SIGE=	21.421	
EP=	.000049	.000014	-.000032	-.000000	.000125	-.000058	EPPR=	.000072	.000039	-.000080
SIG=	12.069	6.6823	-.47632	-.28534-02	9.6459	-4.5065	SIGPR=	15.631	10.526	-7.8819
EL= 288	NODES=	411 417 418 412	447 453 454 448	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.625+04	.250+04	8.00	TEMP=	25.0	TAUMX=	13.123	SIGE=	23.378	
EP=	.000049	.000064	-.000031	.000000	-.000129	-.000059	EPPR=	.000100	.000051	-.000069
SIG=	19.834	22.189	7.5159	.16819-01	-9.9682	-4.5505	SIGPR=	27.813	20.159	1.5678
EL= 289	NODES=	412 418 419 413	448 454 455 449	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.625+04	.350+04	8.00	TEMP=	25.0	TAUMX=	12.692	SIGE=	22.874	
EP=	.000048	-.000023	-.000028	-.000000	.000136	-.000058	EPPR=	.000067	.000026	-.000097
SIG=	7.0636	-4.0663	-4.7388	-.14975-01	10.500	-4.4955	SIGPR=	10.004	3.6338	-15.379
EL= 290	NODES=	413 419 420 414	449 455 456 450	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.625+04	.450+04	8.00	TEMP=	25.0	TAUMX=	24.420	SIGE=	42.327	
EP=	.000048	.000181	-.000092	.000001	-.000148	-.000058	EPPR=	.000200	.000052	-.000115
SIG=	28.010	48.543	6.3346	.82799-01	-11.465	-4.4984	SIGPR=	51.517	28.693	2.6773
EL= 291	NODES=	415 421 422 416	451 457 458 452	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.875+04	500.	8.00	TEMP=	25.0	TAUMX=	11.684	SIGE=	20.257	
EP=	.000003	.000038	-.000027	-.000000	-.000123	.000060	EPPR=	.000078	.000008	-.000073
SIG=	2.4652	7.8255	-2.1639	-.16911-01	-9.4960	4.6486	SIGPR=	14.096	3.3028	-9.2718
EL= 292	NODES=	416 422 423 417	452 458 459 453	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.875+04	.150+04	8.00	TEMP=	25.0	TAUMX=	11.144	SIGE=	19.404	
EP=	.000003	.000014	-.000028	.000000	.000125	.000060	EPPR=	.000064	.000005	-.000080
SIG=	-1.2371	.45973	-6.0148	.85784-02	9.6432	4.6084	SIGPR=	8.2216	-.94643	-14.067
EL= 293	NODES=	417 423 424 418	453 459 460 454	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.875+04	.250+04	8.00	TEMP=	25.0	TAUMX=	13.120	SIGE=	22.733	
EP=	.000003	.000064	-.000026	-.000000	-.000129	.000061	EPPR=	.000099	.000011	-.000070
SIG=	6.4816	15.940	1.9512	-.25555-01	-9.9592	4.7038	SIGPR=	21.452	7.7078	-4.7872
EL= 294	NODES=	418 424 425 419	454 460 461 455	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.875+04	.350+04	8.00	TEMP=	25.0	TAUMX=	11.552	SIGE=	20.231	
EP=	.000004	-.000023	-.000023	.000001	.000135	.000060	EPPR=	.000054	-.000002	-.000095
SIG=	-5.9635	-10.758	-10.149	.57808-01	10.445	4.6328	SIGPR=	1.8006	-6.7664	-21.304
EL= 295	NODES=	419 425 426 420	455 461 462 456	MAT= 2	VOL=	.5000+07			3-D SOLID	45
XC,YC,ZC=	.875+04	.450+04	8.00	TEMP=	25.0	TAUMX=	24.270	SIGE=	42.331	
EP=	.000004	.000180	-.000087	-.000001	-.000148	.000059	EPPR=	.000200	.000011	-.000113
SIG=	15.335	42.597	1.1034	-.10015	-11.476	4.5865	SIGPR=	45.611	16.353	-2.9284

EL= 296	NODES= 421	427	428	422	457	463	464	458	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.112+05	500.		8.00		TEMP=	25.0		TAUMX=	14.048		SIGE=	25.870		
EP=	.000082		.000038		-.000050		.000001		-.000122		-.000063	EPPR=	.000095	.000061	-.000087
SIG=	23.092		16.204		2.5791		.39051-01		-9.4863		-4.9113	SIGPR=	25.077	19.817	-3.0188
EL= 297	NODES= 422	428	429	423	458	464	465	459	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.112+05	.150+04		8.00		TEMP=	25.0		TAUMX=	14.400		SIGE=	25.910		
EP=	.000082		.000014		-.000051		-.000000		.000124		-.000063	EPPR=	.000093	.000045	-.000093
SIG=	19.389		8.8467		-1.2665		-.36351-01		9.6414		-4.9145	SIGPR=	21.051	13.668	-7.7498
EL= 298	NODES= 423	429	430	424	459	465	466	460	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.112+05	.250+04		8.00		TEMP=	25.0		TAUMX=	14.474		SIGE=	27.129		
EP=	.000082		.000064		-.000050		.000001		-.000129		-.000062	EPPR=	.000103	.000077	-.000084
SIG=	27.130		24.319		6.6906		.53034-01		-9.9668		-4.8206	SIGPR=	30.399	26.291	1.4506
EL= 299	NODES= 424	430	431	425	460	466	467	461	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.112+05	.350+04		8.00		TEMP=	25.0		TAUMX=	15.193		SIGE=	26.850		
EP=	.000080		-.000023		-.000046		-.000002		.000135		-.000061	EPPR=	.000090	.000027	-.000106
SIG=	14.093		-1.9572		-5.4448		-.11966		10.455		-4.7322	SIGPR=	15.645	5.7871	-14.741
EL= 300	NODES= 425	431	432	426	461	467	468	462	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.112+05	.450+04		8.00		TEMP=	25.0		TAUMX=	25.210		SIGE=	44.334		
EP=	.000079		.000177		-.000108		.000001		-.000148		-.000060	EPPR=	.000195	.000082	-.000130
SIG=	34.350		49.564		5.4629		.63966-01		-11.465		-4.6831	SIGPR=	52.444	34.909	2.0242
EL= 301	NODES= 433	439	440	434	469	475	476	470	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.125+04	500.		10.0		TEMP=	25.0		TAUMX=	11.215		SIGE=	20.056		
EP=	.000035		.000037		-.000031		.000000		-.000115		-.000056	EPPR=	.000075	.000035	-.000070
SIG=	11.473		11.842		1.3222		.16679-02		-8.9147		-4.3552	SIGPR=	17.763	11.540	-4.6665
EL= 302	NODES= 434	440	441	435	470	476	477	471	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.125+04	.150+04		10.0		TEMP=	25.0		TAUMX=	10.928		SIGE=	19.734		
EP=	.000035		.000015		-.000032		-.000000		.000117		-.000056	EPPR=	.000065	.000030	-.000077
SIG=	8.0657		5.0836		-2.2403		-.10413-02		9.0994		-4.3459	SIGPR=	12.703	7.3592	-9.1529
EL= 303	NODES= 435	441	442	436	471	477	478	472	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.125+04	.250+04		10.0		TEMP=	25.0		TAUMX=	12.512		SIGE=	21.993		
EP=	.000035		.000061		-.000030		.000000		-.000122		-.000056	EPPR=	.000095	.000038	-.000067
SIG=	15.223		19.350		5.1797		.75821-02		-9.4479		-4.3416	SIGPR=	24.513	15.751	-.51072
EL= 304	NODES= 436	442	443	437	472	478	479	473	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.125+04	.350+04		10.0		TEMP=	25.0		TAUMX=	11.729		SIGE=	21.132		
EP=	.000035		-.000020		-.000028		.000000		.000131		-.000056	EPPR=	.000059	.000021	-.000093
SIG=	3.3915		-5.0235		-6.2779		.39849-02		10.113		-4.3514	SIGPR=	7.1512	1.2447	-16.306
EL= 305	NODES= 437	443	444	438	473	479	480	474	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.125+04	.450+04		10.0		TEMP=	25.0		TAUMX=	23.830		SIGE=	41.275		
EP=	.000035		.000175		-.000089		.000001		-.000147		-.000056	EPPR=	.000194	.000039	-.000113
SIG=	23.438		45.217		4.2518		.51993-01		-11.355		-4.3377	SIGPR=	48.207	24.152	.54817
EL= 306	NODES= 439	445	446	440	475	481	482	476	MAT= 2	VOL=	.5000+07				3-D SOLID 45
XC,YC,ZC=	.375+04	500.		10.0		TEMP=	25.0		TAUMX=	11.163		SIGE=	19.682		
EP=	.000023		.000037		-.000031		-.000000		-.000115		.000055	EPPR=	.000074	.000025	-.000070
SIG=	7.9452		10.071		-.52095		-.22922-02		-8.9135		4.2753	SIGPR=	15.767	8.2862	-6.5582

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EL=  307  NODES=  440  446  447  441  476  482  483  477  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    10.0      TEMP=  25.0      TAUMX=   10.730      SIGE=   19.219
 EP=      .000023     .000015     -.000032     .000000     .000117     .000056  EPPR=     .000062     .000022     -.000077
 SIG=     4.5439      3.3142      -4.0816     .26821-02     9.0984      4.3094  SIGPR=    10.520      4.2964     -11.040

EL=  308  NODES=  441  447  448  442  477  483  484  478  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    10.0      TEMP=  25.0      TAUMX=   12.546      SIGE=   21.849
 EP=      .000023     .000061     -.000031     -.000000     -.000122     .000055  EPPR=     .000094     .000028     -.000068
 SIG=     11.694      17.575      3.3331     -.90787-02     -9.4635      4.2939  SIGPR=    22.654      12.386     -2.4380

EL=  309  NODES=  442  448  449  443  478  484  485  479  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    10.0      TEMP=  25.0      TAUMX=   11.422      SIGE=   20.443
 EP=      .000023     -.000020     -.000028     .000000     .000130     .000056  EPPR=     .000054     .000014     -.000393
 SIG=    -.81156-01   -6.7692     -8.0833     .17941-02     10.096      4.3544  SIGPR=    4.7279     -1.5451     -18.116

EL=  310  NODES=  443  449  450  444  479  485  486  480  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    10.0      TEMP=  25.0      TAUMX=   23.890      SIGE=   41.418
 EP=      .000024     .000175     -.000090     -.000001     -.000147     .000056  EPPR=     .000194     .000028     -.000114
 SIG=     20.004      43.453      2.4748     -.61505-01     -11.417      4.3294  SIGPR=    46.470      20.772     -1.3100

EL=  311  NODES=  445  451  452  446  481  487  488  482  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .625+04    500.       10.0      TEMP=  25.0      TAUMX=   11.410      SIGE=   20.772
 EP=      .000048     .000037     -.000031     .000000     -.000115     -.000058  EPPR=     .000078     .000045     -.000069
 SIG=     15.547      13.823      3.2430     .62320-02     -8.9209     -4.4561  SIGPR=    20.150      15.133     -2.6705

EL=  312  NODES=  446  452  453  447  482  488  489  483  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    10.0      TEMP=  25.0      TAUMX=   11.312      SIGE=   20.627
 EP=      .000048     .000015     -.000032     -.000000     .000118     -.000057  EPPR=     .000070     .000038     -.000077
 SIG=     12.138      7.0658      -.32027     -.28354-02     9.1162     -4.4127  SIGPR=    15.457      10.593     -7.1671

EL=  313  NODES=  447  453  454  448  483  489  490  484  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04    10.0      TEMP=  25.0      TAUMX=   12.560      SIGE=   22.445
 EP=      .000048     .000061     -.000031     .000000     -.000122     -.000057  EPPR=     .000095     .000050     -.000067
 SIG=     19.308      21.335      7.1055     .16895-01     -9.4538     -4.3925  SIGPR=    26.636      19.598      1.5157

EL=  314  NODES=  448  454  455  449  484  490  491  485  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    10.0      TEMP=  25.0      TAUMX=   12.266      SIGE=   22.102
 EP=      .000048     -.000020     -.000028     -.000000     -.000130     -.000057  EPPR=     .000066     .000026     -.000092
 SIG=     7.3931      -3.0738     -4.4031     -.14975-01     10.081     -4.4111  SIGPR=    10.205      4.0369     -14.326

EL=  315  NODES=  449  455  456  450  485  491  492  486  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04    10.0      TEMP=  25.0      TAUMX=   23.859      SIGE=   41.361
 EP=      .000048     .000175     -.000090     .000001     -.000147     -.000057  EPPR=     .000195     .000052     -.000113
 SIG=     27.356      47.152      6.0734     .82673-01     -11.352     -4.3939  SIGPR=    50.143      28.014      2.4252

EL=  316  NODES=  451  457  458  452  487  493  494  488  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .875+04    500.       10.0      TEMP=  25.0      TAUMX=   11.174      SIGE=   19.384
 EP=      .000004     .000037     -.000027     -.000000     -.000115     .000059  EPPR=     .000074     .000009     -.000070
 SIG=     2.5748      7.7480      -2.1668     -.16825-01     -8.9189      4.5942  SIGPR=    13.533      3.4385     -8.8152

EL=  317  NODES=  452  458  459  453  488  494  495  489  MAT=  2  VOL=   .5000+07                                        3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    10.0      TEMP=  25.0      TAUMX=   10.671      SIGE=   18.592
 EP=      .000004     .000015     -.000028     .000000     .000118     .000058  EPPR=     .000061     .000006     -.000076
 SIG=    -.82521      1.0016      -5.7213     .85243-02     9.1140      4.4804  SIGPR=    8.1487     -.50107     -13.193
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EL=  318  NODES=  453   459   460   454   489   495   496   490  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    10.0      TEMP=   25.0       TAUMX=    12.515      SIGE=    21.680
 EP=       .000003       .000061      -.000026      -.000000      -.000122       .000058  EPPR=       .000094       .000011      -.000067
 SIG=      6.2983        15.245        1.6788      -.25438-01    -9.4259        4.5015   SIGPR=      20.395        7.4606       -4.6342

EL=  319  NODES=  454   460   461   455   490   496   497   491  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    10.0      TEMP=   25.0       TAUMX=    11.203      SIGE=    19.627
 EP=       .000004      -.000020      -.000024       .000001       .000130       .000059  EPPR=       .000053      -.000001      -.000092
 SIG=     -5.2915       -9.0066       -9.6753       .57574-01     10.101        4.5601   SIGPR=      2.2313       -6.0290       -20.176

EL=  320  NODES=  455   461   462   456   491   497   498   492  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    10.0      TEMP=   25.0       TAUMX=    23.724      SIGE=    41.350
 EP=       .000005       .000175      -.000086      -.000001      -.000146       .000059  EPPR=       .000195       .000012      -.000112
 SIG=      15.022        41.363        .97745      -.10020       -11.344        4.5708   SIGPR=      44.386        16.038       -3.0617

EL=  321  NODES=  457   463   464   458   493   499   500   494  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    500.       10.0      TEMP=   25.0       TAUMX=    13.597      SIGE=    24.999
 EP=       .000081       .000037      -.000050       .000001      -.000115      -.000061  EPPR=       .000092       .000059      -.000083
 SIG=      22.774        15.951        2.4710       .38957-01     -8.9117       -4.7072  SIGPR=      24.534        19.323       -2.6604

EL=  322  NODES=  458   464   465   459   494   500   501   495  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    10.0      TEMP=   25.0       TAUMX=    13.914      SIGE=    25.020
 EP=       .000081       .000015      -.000051      -.000000       .000117      -.000060  EPPR=       .000090       .000044      -.000089
 SIG=      19.373        9.2126       -1.0788      -.36328-01     9.0589       -4.6363   SIGPR=      20.841        13.652       -6.9867

EL=  323  NODES=  459   465   466   460   495   501   502   496  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    10.0      TEMP=   25.0       TAUMX=    14.029      SIGE=    26.314
 EP=       .000081       .000061      -.000049       .000001      -.000122      -.000062  EPPR=       .000100       .000074      -.000081
 SIG=      26.518        23.446        6.3089       .52953-01     -9.4521       -4.7828  SIGPR=      29.421        25.489        1.3625

EL=  324  NODES=  460   466   467   461   496   502   503   497  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    10.0      TEMP=   25.0       TAUMX=    14.845      SIGE=    26.209
 EP=       .000079      -.000020      -.000046      -.000002       .000130      -.000062  EPPR=       .000089       .000026      -.000102
 SIG=      14.337       -.98338       -5.0806       -.11956       10.064       -4.7865   SIGPR=      15.911        6.1412       -13.780

EL=  325  NODES=  461   467   468   462   497   503   504   498  MAT=  2  VOL=   .5000+07                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    10.0      TEMP=   25.0       TAUMX=    24.625      SIGE=    43.357
 EP=       .000078       .000172      -.000106       .000001      -.000146      -.000061  EPPR=       .000190       .000081      -.000128
 SIG=      33.612        48.156        5.2309       .64543-01     -11.297       -4.7541  SIGPR=      51.028        34.192        1.7786

EL=  326  NODES=  469   475   476   470   505   511   512   506  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .125+04    500.       16.0      TEMP=   25.0       TAUMX=    9.8506      SIGE=    17.779
 EP=       .000034       .000036      -.000031       .000000      -.000095      -.000052  EPPR=       .000066       .000035      -.000061
 SIG=      11.163        11.375        1.0911       .16747-02     -7.3841       -4.0371  SIGPR=      16.061        11.209       -3.6406

EL=  327  NODES=  470   476   477   471   506   512   513   507  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    16.0      TEMP=   25.0       TAUMX=    9.6908      SIGE=    17.604
 EP=       .000034       .000019      -.000032      -.000000       .000099      -.000052  EPPR=       .000058       .000030      -.000067
 SIG=      8.5260        6.1903       -1.7116      -.10413-02     7.6301       -4.0371   SIGPR=      12.257        7.8729       -7.1250

EL=  328  NODES=  471   477   478   472   507   513   514   508  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    16.0      TEMP=   25.0       TAUMX=    11.109      SIGE=    19.668
 EP=       .000034       .000054      -.000030       .000000      -.000105      -.000052  EPPR=       .000083       .000037      -.000061
 SIG=      14.154        17.290        4.2413       .76317-02     -8.1421       -4.0316  SIGPR=      21.646        14.612       -.57194
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EL=  329  NODES=  472  478  479  473  508  514  515  509  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    16.0      TEMP=  25.0       TAUMX=   10.628      SIGE=   19.210
 EP=       .000034     -.000010     -.000029      .000000      .000117     -.000052  EPPR=      .000055     .000022     -.000082
 SIG=       4.5423      -2.3051      -5.2688     .40300-02      9.0261      -4.0265  SIGPR=      7.7884      2.6484     -13.468

EL=  330  NODES=  473  479  480  474  509  515  516  510  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    16.0      TEMP=  25.0       TAUMX=   22.214      SIGE=   38.476
 EP=       .000034     .000161     -.000084      .000001      -.000140     -.000052  EPPR=      .000180     .000038     -.000107
 SIG=       21.997      41.654      3.6876     .51658-01      -10.810      -4.0093  SIGPR=      44.569      22.628      .14183

EL=  331  NODES=  475  481  482  476  511  517  518  512  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .375+04    500.       16.0      TEMP=  25.0       TAUMX=   9.8300      SIGE=   17.469
 EP=       .000024     .000036     -.000031     -.000000      -.000095      .000053  EPPR=      .000064     .000026     -.000062
 SIG=       7.9628      9.7634     -.59710     -.22607-02      -7.3823      4.0725  SIGPR=      14.236      8.3168     -5.4238

EL=  332  NODES=  476  482  483  477  512  518  519  513  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    16.0      TEMP=  25.0       TAUMX=   9.5662      SIGE=   17.162
 EP=       .000024     .000019     -.000032      .000000      .000099      .000052  EPPR=      .000056     .000023     -.000068
 SIG=       5.3315      4.5801      -3.3978     .26371-02      7.6323      4.0648  SIGPR=      10.247      5.1515     -8.8850

EL=  333  NODES=  477  483  484  478  513  519  520  514  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    16.0      TEMP=  25.0       TAUMX=   11.156      SIGE=   19.526
 EP=       .000024     .000054     -.000030     -.000000      -.000105      .000053  EPPR=      .000082     .000028     -.000062
 SIG=       10.952      15.674      2.5498     -.91734-02      -8.1444      4.0704  SIGPR=      19.943      11.600     -2.3681

EL=  334  NODES=  478  484  485  479  514  520  521  515  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    16.0      TEMP=  25.0       TAUMX=   10.378      SIGE=   18.635
 EP=       .000024     -.000010     -.000030      .000000      .000117      .000053  EPPR=      .000051     .000016     -.000083
 SIG=       1.3962      -3.8922      -6.9197     .17040-02      9.0267      4.0694  SIGPR=      5.6024      .13637     -15.154

EL=  335  NODES=  479  485  486  480  515  521  522  516  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    16.0      TEMP=  25.0       TAUMX=   22.248      SIGE=   38.551
 EP=       .000024     .000161     -.000084     -.000001      -.000139      .000052  EPPR=      .000180     .000029     -.000108
 SIG=       18.888      40.049      2.0646     -.61432-01      -10.803      4.0506  SIGPR=      42.957      19.584     -1.5386

EL=  336  NODES=  481  487  488  482  517  523  524  518  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .625+04    500.       16.0      TEMP=  25.0       TAUMX=   10.105      SIGE=   18.532
 EP=       .000047     .000036     -.000031      .000000      -.000095     -.000054  EPPR=      .000069     .000043     -.000061
 SIG=       14.911      13.201      2.8706     .62726-02      -7.3819      -4.1896  SIGPR=      18.401      14.390     -1.8082

EL=  337  NODES=  482  488  489  483  518  524  525  519  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    16.0      TEMP=  25.0       TAUMX=   10.136      SIGE=   18.506
 EP=       .000047     .000019     -.000032     -.000000      .000098      -.000054  EPPR=      .000064     .000036     -.000067
 SIG=       12.272      8.0182      .67277-01     -.29075-02      7.6271      -4.1961  SIGPR=      14.970      10.689     -5.3013

EL=  338  NODES=  483  489  490  484  519  525  526  520  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04    16.0      TEMP=  25.0       TAUMX=   11.212      SIGE=   20.225
 EP=       .000047     .000054     -.000030      .000000      -.000105     -.000054  EPPR=      .000084     .000048     -.000061
 SIG=       17.914      19.121      6.0262     .16810-01      -8.1494      -4.1909  SIGPR=      23.681      18.123      1.2578

EL=  339  NODES=  484  490  491  485  520  526  527  521  MAT=  2  VOL=   .2500+08                                        3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    16.0      TEMP=  25.0       TAUMX=   11.216      SIGE=   20.219
 EP=       .000046     -.000010     -.000030     -.000000      .000116      -.000054  EPPR=      .000063     .000026     -.000082
 SIG=       8.2183      -.50957      -3.5350     -.14732-01      9.0219      -4.1992  SIGPR=      10.738      5.1289     -11.693
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EL= 340  NODES= 485  491  492  486  521  527  528  522  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .625+04   .450+04   16.0      TEMP=  25.0      TAUMX=   22.256      SIGE=   38.636
 EP=      .000046     .000161     -.000085     .000001     -.000139     -.000054  EPPR=     .000180     .000053     -.000107
 SIG=     25.591      43.436      5.3689      .82691-01   -10.793      -4.1770   SIGPR=    46.350      26.207      1.8389

EL= 341  NODES= 487  493  494  488  523  529  530  524  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .875+04   500.      16.0      TEMP=  25.0      TAUMX=   9.8120      SIGE=   17.067
 EP=      .000005     .000036     -.000027     -.000000     -.000095     .000056  EPPR=     .000065     .000011     -.000062
 SIG=     2.9067      7.5739      -2.1522     -.16825-01   -7.3801      4.3544   SIGPR=    12.067      3.8187      -7.5570

EL= 342  NODES= 488  494  495  489  524  530  531  525  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .875+04   .150+04   16.0      TEMP=  25.0      TAUMX=   9.4806      SIGE=   16.573
 EP=      .000005     .000019     -.000028     .000000      .000098     .000056  EPPR=     .000055     .000008     -.000067
 SIG=     .27576      2.4002      -4.9484      .84612-02    7.6257      4.3709   SIGPR=    7.9757      .73731      -10.985

EL= 343  NODES= 489  495  496  490  525  531  532  526  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .875+04   .250+04   16.0      TEMP=  25.0      TAUMX=   11.178      SIGE=   19.365
 EP=      .000005     .000054     -.000026     -.000000     -.000105     .000056  EPPR=     .000083     .000013     -.000062
 SIG=     5.8706      13.477      .98561      -.25568-01   -8.1494      4.3538   SIGPR=    17.837      7.0156      -4.5194

EL= 344  NODES= 490  496  497  491  526  532  533  527  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .875+04   .350+04   16.0      TEMP=  25.0      TAUMX=   10.180      SIGE=   17.864
 EP=      .000006     -.000010     -.000026     .000001      .000117     .000056  EPPR=     .000053     .000002     -.000082
 SIG=     -3.5020     -5.9981      -8.4227     .57060-01    9.0225      4.3490   SIGPR=    3.2513      -4.0647     -17.109

EL= 345  NODES= 491  497  498  492  527  533  534  528  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .875+04   .450+04   16.0      TEMP=  25.0      TAUMX=   22.128      SIGE=   38.512
 EP=      .000007     .000161     -.000081     -.000001     -.000139     .000055  EPPR=     .000180     .000013     -.000106
 SIG=     14.218      38.091      .65598      -.10038      -10.802      4.2978   SIGPR=    41.040      15.140      -3.2156

EL= 346  NODES= 493  499  500  494  529  535  536  530  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .112+05   500.      16.0      TEMP=  25.0      TAUMX=   12.634      SIGE=   23.003
 EP=      .000078     .000036     -.000049     .000001      -.000095     -.000060  EPPR=     .000088     .000052     -.000075
 SIG=     21.885      15.272      2.1758      .38776-01    -7.3775      -4.6190   SIGPR=    23.380      17.840      -1.8872

EL= 347  NODES= 494  500  501  495  530  536  537  531  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .112+05   .150+04   16.0      TEMP=  25.0      TAUMX=   12.941      SIGE=   23.128
 EP=      .000078     .000019     -.000050     -.000000     .000098     -.000060  EPPR=     .000087     .000040     -.000080
 SIG=     19.253      10.106      -.61516     -.36180-01   7.6243      -4.6118   SIGPR=    20.623      13.381      -5.2592

EL= 348  NODES= 495  501  502  496  531  537  538  532  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .112+05   .250+04   16.0      TEMP=  25.0      TAUMX=   12.938      SIGE=   24.215
 EP=      .000078     .000054     -.000048     .000001      -.000105     -.000060  EPPR=     .000092     .000068     -.000075
 SIG=     24.871      21.175      5.3088      .52777-01    -8.1347      -4.6118   SIGPR=    26.998      23.235      1.1217

EL= 349  NODES= 496  502  503  497  532  538  539  533  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .112+05   .350+04   16.0      TEMP=  25.0      TAUMX=   13.824      SIGE=   24.390
 EP=      .000077     -.000010     -.000046     -.000002     .000116     -.000060  EPPR=     .000086     .000027     -.000092
 SIG=     14.911      1.5230      -4.1335     -.11919      9.0133      -4.6236   SIGPR=    16.378      7.1932      -11.271

EL= 350  NODES= 497  503  504  498  533  539  540  534  MAT= 2  VOL= .2500+08                    3-D SOLID 45
XC,YC,ZC=   .112+05   .450+04   16.0      TEMP=  25.0      TAUMX=   22.971      SIGE=   40.566
 EP=      .000075     .000158     -.000099     .000001      -.000139     -.000058  EPPR=     .000176     .000078     -.000121
 SIG=     31.602      44.394      4.6046      .67067-01    -10.743      -4.5286   SIGPR=    47.200      32.142      1.2582
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EL=  351  NODES=  505  511  512  506  541  547  548  542  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .125+04    500.       26.0       TEMP=   25.0       TAUMX=    8.0675      SIGE=    14.825
 EP=       .000034     .000034     -.000031      .000000     -.000068     -.000046  EPPR=      .000054     .000034     -.000051
 SIG=     10.704      10.702       .75546      .16859-02   -5.2514      -3.5634    SIGPR=    13.793      10.702      -2.3336

EL=  352  NODES=  506  512  513  507  542  548  549  543  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    26.0       TEMP=   25.0       TAUMX=    8.0931      SIGE=    14.882
 EP=       .000034     .000024     -.000032     -.000000      .000072     -.000046  EPPR=      .000050     .000030     -.000054
 SIG=      9.1600      7.7411      -.95854     -.10143-02    5.5804      -3.5600    SIGPR=    11.741      8.6467      -4.4452

EL=  353  NODES=  507  513  514  508  543  549  550  544  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    26.0       TEMP=   25.0       TAUMX=    9.1314      SIGE=    16.443
 EP=       .000034     .000045     -.000029      .000000     -.000081     -.000046  EPPR=      .000066     .000036     -.000052
 SIG=     12.604      14.336       2.8793      .76723-02   -6.2692      -3.5568    SIGPR=    17.576      12.930      -.68704

EL=  354  NODES=  508  514  515  509  544  550  551  545  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    26.0       TEMP=   25.0       TAUMX=    9.1885      SIGE=    16.739
 EP=       .000034     .000004     -.000031      .000000      .000096     -.000046  EPPR=      .000050     .000025     -.000068
 SIG=      6.1981      1.6218      -3.7963      .41472-02    7.4685      -3.5483    SIGPR=    8.8003      4.7998      -9.5766

EL=  355  NODES=  509  515  516  510  545  551  552  546  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    26.0       TEMP=   25.0       TAUMX=   19.830      SIGE=    34.361
 EP=       .000034     .000140     -.000076      .000001     -.000129     -.000046  EPPR=      .000158     .000037     -.000098
 SIG=     19.849      36.361       2.8525      .51678-01   -10.020      -3.5253    SIGPR=    39.180      20.362      -.47932

EL=  356  NODES=  511  517  518  512  547  553  554  548  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .375+04    500.       26.0       TEMP=   25.0       TAUMX=    8.0348      SIGE=    14.542
 EP=       .000025     .000034     -.000031     -.000000     -.000068      .000047  EPPR=      .000052     .000027     -.000052
 SIG=      8.0150      9.3395      -.68968     -.23035-02    -5.2510      3.6371    SIGPR=    12.184      8.3663      -3.8856

EL=  357  NODES=  512  518  519  513  548  554  555  549  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    26.0       TEMP=   25.0       TAUMX=    7.9864      SIGE=    14.528
 EP=       .000025     .000024     -.000032      .000000      .000072      .000047  EPPR=      .000048     .000025     -.000055
 SIG=      6.4766      6.3798      -2.4017      .26506-02    5.5779       3.6399    SIGPR=    9.9913      6.4448      -5.9814

EL=  358  NODES=  513  519  520  514  549  555  556  550  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    26.0       TEMP=   25.0       TAUMX=    9.1714      SIGE=    16.269
 EP=       .000025     .000045     -.000030     -.000000     -.000081      .000047  EPPR=      .000065     .000028     -.000053
 SIG=      9.9121      12.968       1.4306      -.91824-02   -6.2655      3.6380    SIGPR=    16.105      10.444      -2.2381

EL=  359  NODES=  514  520  521  515  550  556  557  551  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    26.0       TEMP=   25.0       TAUMX=    9.0079      SIGE=    16.303
 EP=       .000025     .000004     -.000031      .000000      .000097      .000047  EPPR=      .000047     .000020     -.000069
 SIG=      3.5614      .28268      -5.2050      .14605-02    7.4750       3.6194    SIGPR=    6.9781      2.6987      -11.038

EL=  360  NODES=  515  521  522  516  551  557  558  552  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    26.0       TEMP=   25.0       TAUMX=   19.870      SIGE=    34.417
 EP=       .000025     .000140     -.000077     -.000001     -.000130      .000046  EPPR=      .000158     .000029     -.000098
 SIG=     17.248      35.003       1.4705      -.61261-01   -10.032      3.5710    SIGPR=    37.826      17.811      -1.9151

EL=  361  NODES=  517  523  524  518  553  559  560  554  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .625+04    500.       26.0       TEMP=   25.0       TAUMX=    8.4572      SIGE=    15.651
 EP=       .000044     .000034     -.000031      .000000     -.000068     -.000049  EPPR=      .000058     .000039     -.000051
 SIG=     13.939      12.286       2.3120      .63290-02   -5.2511      -3.8097    SIGPR=    16.132      13.188      -.78252
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EL=  362  NODES=  518  524  525  519  554  560  561  555  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    26.0      TEMP=   25.0       TAUMX=    8.6121      SIGE=    15.785
 EP=      .000044      .000024     -.000032     -.000000      .000072     -.000049  EPPR=      .000057     .000035     -.000054
 SIG=     12.394       9.3262       .59741    -.27994-02     5.5726      -3.8137   SIGPR=     14.330      10.882      -2.8944

EL=  363  NODES=  519  525  526  520  555  561  562  556  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04    26.0      TEMP=   25.0       TAUMX=    9.3085      SIGE=    17.093
 EP=      .000044      .000045     -.000029      .000000     -.000081     -.000049  EPPR=      .000068     .000044     -.000052
 SIG=     15.852       15.926       4.4418     .16855-01    -6.2593      -3.8114   SIGPR=     19.490      15.857       .87280

EL=  364  NODES=  520  526  527  521  556  562  563  557  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    26.0      TEMP=   25.0       TAUMX=    9.7595      SIGE=    17.680
 EP=      .000044      .000004     -.000031     -.000000      .000096     -.000049  EPPR=      .000058     .000028     -.000069
 SIG=     9.3638       3.1751      -2.2848    -.14443-01     7.4642      -3.8096   SIGPR=     11.451      6.8720      -8.0684

EL=  365  NODES=  521  527  528  522  557  563  564  558  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04    26.0      TEMP=   25.0       TAUMX=    19.889      SIGE=    34.547
 EP=      .000044      .000140     -.000077      .000001     -.000129     -.000049  EPPR=      .000159     .000047     -.000098
 SIG=     22.935       37.903       4.3136     .82637-01    -10.026      -3.7582   SIGPR=     40.735      23.460       .95767

EL=  366  NODES=  523  529  530  524  559  565  566  560  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .875+04    500.       26.0      TEMP=   25.0       TAUMX=    8.0512      SIGE=    14.140
 EP=      .000008      .000034     -.000028     -.000000     -.000068      .000052  EPPR=      .000052     .000015     -.000052
 SIG=     3.4565       7.3618      -2.1007    -.16753-01     -5.2522      4.0551   SIGPR=     10.178      4.4636      -5.9242

EL=  367  NODES=  524  530  531  525  560  566  567  561  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    26.0      TEMP=   25.0       TAUMX=    7.9226      SIGE=    13.973
 EP=      .000008      .000024     -.000029      .000000      .000072      .000052  EPPR=      .000047     .000013     -.000055
 SIG=     1.9179       4.4107      -3.8088     .83800-02     5.5752       4.0301   SIGPR=     7.8832      2.5985      -7.9619

EL=  368  NODES=  525  531  532  526  561  567  568  562  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    26.0      TEMP=   25.0       TAUMX=    9.2159      SIGE=    16.026
 EP=      .000008      .000045     -.000026     -.000000     -.000081      .000052  EPPR=      .000065     .000015     -.000054
 SIG=     5.3283       10.984       .10736-01  -.25568-01     -6.2680      4.0263   SIGPR=     14.180      6.3943      -4.2514

EL=  369  NODES=  526  532  533  527  562  568  569  563  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    26.0      TEMP=   25.0       TAUMX=    8.8916      SIGE=    15.671
 EP=      .000009      .000004     -.000028      .000001      .000096      .000052  EPPR=      .000046     .000008     -.000069
 SIG=    -.84231      -1.6146      -6.5653     .56321-01     7.4708       4.0502   SIGPR=     4.9179      -1.0747     -12.865

EL=  370  NODES=  527  533  534  528  563  569  570  564  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    26.0      TEMP=   25.0       TAUMX=    19.811      SIGE=    34.400
 EP=      .000010      .000140     -.000073     -.000001     -.000130      .000052  EPPR=      .000159     .000015     -.000097
 SIG=     13.069       33.255       .20351    -.10115       -10.045      3.9960    SIGPR=     36.129      13.891      -3.4933

EL=  371  NODES=  529  535  536  530  565  571  572  566  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .112+05    500.       26.0      TEMP=   25.0       TAUMX=    11.376      SIGE=    20.422
 EP=      .000074      .000034     -.000047      .000000     -.000068     -.000058  EPPR=      .000082     .000043     -.000065
 SIG=     20.508       14.263       1.7409     .38409-01     -5.2437      -4.4935   SIGPR=     21.758      15.749      -.99471

EL=  372  NODES=  530  536  537  531  566  572  573  567  MAT=  2  VOL=   .2500+08                                    3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    26.0      TEMP=   25.0       TAUMX=    11.604      SIGE=    20.617
 EP=      .000074      .000025     -.000048     -.000000      .000072     -.000058  EPPR=      .000082     .000036     -.000068
 SIG=     18.969       11.321       .37973-01  -.35855-01     5.5711      -4.4677   SIGPR=     20.180      13.174      -3.0271
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EL=  373  NODES=  531  537  538  532  567  573  574  568  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .112+05    .250+04    26.0     TEMP=  25.0      TAUMX=   11.633    SIGE=    21.420
 EP=      .000074      .000045      -.000046       .000001      -.000081     -.000058  EPPR=    .000084      .000056      -.000066
 SIG=   22.404       17.887        3.6488        .52336-01    -6.2595      -4.4867   SIGPR=  23.922       19.560        .65691

EL=  374  NODES=  532  538  539  533  568  574  575  569  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .112+05    .350+04    26.0     TEMP=  25.0      TAUMX=   12.439    SIGE=    21.967
 EP=      .000072      .000004      -.000047      -.000002       .000096     -.000058  EPPR=    .000081      .000028      -.000080
 SIG=   15.649        5.1098       -2.7638       -.11868       7.4591      -4.4562   SIGPR=  17.009        8.8546      -7.8693

EL=  375  NODES=  533  539  540  534  569  575  576  570  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .112+05    .450+04    26.0     TEMP=  25.0      TAUMX=   20.536    SIGE=    36.476
 EP=      .000071      .000137      -.000090       .000001      -.000128     -.000056  EPPR=    .000154      .000074      -.000111
 SIG=   28.557       38.788         3.6748        .71629-01    -9.9422      -4.3042   SIGPR=  41.516       29.060        .44358

EL=  376  NODES=  541  547  548  542  577  583  584  578  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .125+04    500.       36.0     TEMP=  25.0      TAUMX=   6.8356    SIGE=    12.810
 EP=      .000033      .000032      -.000030       .000000      -.000047     -.000040  EPPR=    .000045      .000033      -.000043
 SIG=   10.328       10.180          .49120       .16747-02    -3.6199      -3.1338   SIGPR=  12.205       10.261       -1.4663

EL=  377  NODES=  542  548  549  543  578  584  585  579  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .125+04    .150+04    36.0     TEMP=  25.0      TAUMX=   6.9909    SIGE=    13.050
 EP=      .000033      .000028      -.000031      -.000000       .000052     -.000040  EPPR=    .000045      .000031      -.000046
 SIG=    9.6039       8.8712        -.38982      -.97820-03     3.9910      -3.1326   SIGPR=  11.397        9.2738      -2.5851

EL=  378  NODES=  543  549  550  544  579  585  586  580  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .125+04    .250+04    36.0     TEMP=  25.0      TAUMX=   7.6267    SIGE=    14.023
 EP=      .000033      .000037      -.000029       .000000      -.000062     -.000040  EPPR=    .000053      .000034      -.000045
 SIG=   11.387       12.071          1.8095       .77219-02    -4.7786      -3.1294   SIGPR=  14.481       11.559       -.77245

EL=  379  NODES=  544  550  551  545  580  586  587  581  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .125+04    .350+04    36.0     TEMP=  25.0      TAUMX=   8.1395    SIGE=    14.995
 EP=      .000033      .000015      -.000032       .000000       .000080     -.000040  EPPR=    .000047      .000027      -.000058
 SIG=    7.4759       4.6764        -2.6261       .43365-02     6.1675      -3.1164   SIGPR=   9.6119        6.5814      -6.6671

EL=  380  NODES=  545  551  552  546  581  587  588  582  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .125+04    .450+04    36.0     TEMP=  25.0      TAUMX=   17.852    SIGE=    30.963
 EP=      .000033      .000123      -.000070       .000001      -.000121     -.000040  EPPR=    .000141      .000036      -.000090
 SIG=   18.070       32.005          2.1702       .51524-01    -9.3356      -3.0912   SIGPR=  34.735       18.460       -.96997

EL=  381  NODES=  547  553  554  548  583  589  590  584  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .375+04    500.       36.0     TEMP=  25.0      TAUMX=   6.7811    SIGE=    12.559
 EP=      .000026      .000032      -.000031      -.000000      -.000047      .000042  EPPR=    .000043      .000028      -.000044
 SIG=    8.0961       9.0409        -.73434      -.23057-02    -3.6198       3.2251   SIGPR=  10.766        8.4321      -2.7959

EL=  382  NODES=  548  554  555  549  584  590  591  585  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .375+04    .150+04    36.0     TEMP=  25.0      TAUMX=   6.8960    SIGE=    12.767
 EP=      .000026      .000028      -.000032       .000000       .000051      .000042  EPPR=    .000042      .000027      -.000047
 SIG=    7.3776       7.7331        -1.6135       .26235-02     3.9848       3.2252   SIGPR=   9.8918        7.5056      -3.9002

EL=  383  NODES=  549  555  556  550  585  591  592  586  MAT=  2  VOL=   .2500+08                                          3-D SOLID  45
XC,YC,ZC=   .375+04    .250+04    36.0     TEMP=  25.0      TAUMX=   7.6505    SIGE=    13.840
 EP=      .000026      .000037      -.000029      -.000000      -.000062      .000042  EPPR=    .000052      .000029      -.000047
 SIG=    9.1514      10.926           .57967      -.92861-02    -4.7809       3.2222   SIGPR=  13.204        9.5492      -2.0966
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EL=  384  NODES=  550  556  557  551  586  592  593  587  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    36.0      TEMP=  25.0      TAUMX=   8.0275      SIGE=   14.679
 EP=      .000026     .000015     -.000033     .000000     .000080     .000041  EPPR=     .000044     .000023     -.000059
 SIG=     5.2941      3.5596      -3.8167     .11991-02    6.1748      3.2087   SIGPR=    8.1373      4.8174      -7.9177

EL=  385  NODES=  551  557  558  552  587  593  594  588  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    36.0      TEMP=  25.0      TAUMX=   17.900      SIGE=   31.011
 EP=      .000026     .000123     -.000070     -.000001     -.000121     .000041  EPPR=     .000140     .000029     -.000091
 SIG=     15.922      30.868      1.0048      -.61135-01    -9.3519     3.1841   SIGPR=    33.605      16.383      -2.1941

EL=  386  NODES=  553  559  560  554  589  595  596  590  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .625+04    500.       36.0      TEMP=  25.0      TAUMX=   7.3369      SIGE=   13.635
 EP=      .000042     .000032     -.000031     .000000     -.000047    -.000044  EPPR=     .000051     .000036     -.000043
 SIG=     13.102      11.545      1.8458      .63245-02    -3.6181     -3.4180   SIGPR=    14.520      12.126      -.15355

EL=  387  NODES=  554  560  561  555  590  596  597  591  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    36.0      TEMP=  25.0      TAUMX=   7.5253      SIGE=   13.894
 EP=      .000042     .000028     -.000032    -.000000     .000051     -.000044  EPPR=     .000051     .000034     -.000046
 SIG=     12.377      10.237      .96403      -.27047-02    3.9807     -3.4202   SIGPR=    13.781      11.067      -1.2698

EL=  388  NODES=  555  561  562  556  591  597  598  592  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04    36.0      TEMP=  25.0      TAUMX=   7.9117      SIGE=   14.733
 EP=      .000042     .000037     -.000029     .000000     -.000062    -.000044  EPPR=     .000056     .000040     -.000046
 SIG=     14.174      13.442      3.1701      .17003-01    -4.7747     -3.4202   SIGPR=    16.370      13.869      .54692

EL=  389  NODES=  556  562  563  557  592  598  599  593  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    36.0      TEMP=  25.0      TAUMX=   8.6602      SIGE=   15.840
 EP=      .000042     .000015     -.000032    -.000000     .000080     -.000044  EPPR=     .000053     .000030     -.000059
 SIG=     10.182      6.0114      -1.3160     -.13902-01    6.1654     -3.4272   SIGPR=    11.922      8.3535      -5.3981

EL=  390  NODES=  557  563  564  558  593  599  600  594  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04    36.0      TEMP=  25.0      TAUMX=   17.912      SIGE=   31.167
 EP=      .000042     .000123     -.000070     .000001     -.000121    -.000043  EPPR=     .000141     .000044     -.000090
 SIG=     20.701      33.331      3.4324      .82655-01    -9.3373     -3.3659   SIGPR=    36.075      21.139      .25055

EL=  391  NODES=  559  565  566  560  595  601  602  596  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .875+04    500.       36.0      TEMP=  25.0      TAUMX=   6.7975      SIGE=   12.139
 EP=      .000011     .000032     -.000028    -.000000     -.000047     .000048  EPPR=     .000043     .000018     -.000045
 SIG=     3.9945      7.2582      -2.0123     -.16636-01    -3.6157     3.7330   SIGPR=    8.8919      5.0517      -4.7031

EL=  392  NODES=  560  566  567  561  596  602  603  597  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    36.0      TEMP=  25.0      TAUMX=   6.8810      SIGE=   12.333
 EP=      .000011     .000028     -.000029     .000000     .000051     .000048  EPPR=     .000041     .000017     -.000048
 SIG=     3.2750      5.9577      -2.8881     .82944-02    3.9869      3.7400   SIGPR=    7.9784      4.1499      -5.7836

EL=  393  NODES=  561  567  568  562  597  603  604  598  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    36.0      TEMP=  25.0      TAUMX=   7.7297      SIGE=   13.584
 EP=      .000011     .000037     -.000026    -.000000     -.000062     .000049  EPPR=     .000052     .000017     -.000047
 SIG=     5.0246      9.1381      -.70645     -.25433-01    -4.7775     3.7731   SIGPR=    11.449      6.0177      -4.0104

EL=  394  NODES=  562  568  569  563  598  604  605  599  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    36.0      TEMP=  25.0      TAUMX=   7.9820      SIGE=   14.161
 EP=      .000012     .000015     -.000050     .000001     .000080     .000048  EPPR=     .000044     .000012     -.000059
 SIG=     1.3434      1.8534      -5.0450     .55338-01    6.1637      3.7513   SIGPR=    6.3443      1.4273      -9.6197
```

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EL=  395  NODES=  563  569  570  564  599  605  606  600  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    36.0      TEMP=  25.0      TAUMX=   17.857      SIGE=   30.959
 EP=       .000012      .000123     -.000067     -.000001     -.000121      .000047  EPPR=      .000141     .000017     -.000090
 SIG=     12.191       29.311       -.13272      -.10205      -9.3555      3.6471   SIGPR=     32.096      12.892      -3.6187

EL=  396  NODES=  565  571  572  566  601  607  608  602  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .112+05    500.       36.0      TEMP=  25.0      TAUMX=   10.430      SIGE=   18.561
 EP=       .000070      .000032     -.000046      .000000     -.000047     -.000056  EPPR=      .000077     .000037     -.000058
 SIG=     19.285       13.432       1.3855       .38050-01   -3.6103      -4.3030   SIGPR=     20.377      14.209      -.48353

EL=  397  NODES=  566  572  573  567  602  608  609  603  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    36.0      TEMP=  25.0      TAUMX=   10.616      SIGE=   18.830
 EP=       .000070      .000028     -.000047     -.000000      .000051     -.000056  EPPR=      .000077     .000035     -.000060
 SIG=     18.565       12.140       .51471      -.35278-01    3.9780      -4.3192   SIGPR=     19.669      13.114      -1.5626

EL=  398  NODES=  567  573  574  568  603  609  610  604  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    36.0      TEMP=  25.0      TAUMX=   10.661      SIGE=   19.289
 EP=       .000070      .000037     -.000044      .000001     -.000061     -.000056  EPPR=      .000078     .000045     -.000060
 SIG=     20.342       15.315       2.6900       .51939-01   -4.7589      -4.3197   SIGPR=     21.586      16.498      .26309

EL=  399  NODES=  568  574  575  569  604  610  611  605  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    36.0      TEMP=  25.0      TAUMX=   11.380      SIGE=   20.174
 EP=       .000068      .000015     -.000047     -.000002      .000080     -.000056  EPPR=      .000076     .000031     -.000070
 SIG=     16.080       7.8494      -1.6892      -.11799       6.1590      -4.3165   SIGPR=     17.363      10.276      -5.3982

EL=  400  NODES=  569  575  576  570  605  611  612  606  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    36.0      TEMP=  25.0      TAUMX=   18.517      SIGE=   33.089
 EP=       .000067      .000120     -.000082      .000001     -.000119     -.000053  EPPR=      .000137     .000070     -.000102
 SIG=     25.957       34.151       2.9066       .76822-01   -9.2383      -4.1408   SIGPR=     36.809      26.431      -.22451

EL=  401  NODES=  577  583  584  578  613  619  620  614  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .125+04    500.       46.0      TEMP=  25.0      TAUMX=   6.0394      SIGE=   11.494
 EP=       .000033      .000031     -.000030      .000000     -.000031     -.000036  EPPR=      .000040     .000032     -.000038
 SIG=     10.018       9.7759       .28428       .16656-02   -2.3795      -2.7493   SIGPR=     11.144      9.8678      -.93432

EL=  402  NODES=  578  584  585  579  614  620  621  615  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    46.0      TEMP=  25.0      TAUMX=   6.2466      SIGE=   11.863
 EP=       .000033      .000031     -.000031     -.000000      .000036     -.000035  EPPR=      .000041     .000032     -.000040
 SIG=      9.9030       9.6783       .36990-01   -.94213-03    2.7648      -2.7458   SIGPR=     11.165      9.7824      -1.3286

EL=  403  NODES=  579  585  586  580  615  621  622  616  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    46.0      TEMP=  25.0      TAUMX=   6.5246      SIGE=   12.244
 EP=       .000033      .000032     -.000029      .000000     -.000046     -.000035  EPPR=      .000044     .000032     -.000040
 SIG=     10.432       10.344       .96998       .78075-02   -3.5908      -2.7415   SIGPR=     12.202      10.391      -.84730

EL=  404  NODES=  580  586  587  581  616  622  623  617  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    46.0      TEMP=  25.0      TAUMX=   7.4032      SIGE=   13.810
 EP=       .000032      .000023     -.000033      .000000      .000066     -.000035  EPPR=      .000044     .000033     -.000051
 SIG=      8.4579       7.0457      -1.6936       .45980-02    5.0862      -2.7319   SIGPR=     10.297      8.0214      -4.5089

EL=  405  NODES=  581  587  588  582  617  623  624  618  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    46.0      TEMP=  25.0      TAUMX=   16.205      SIGE=   28.144
 EP=       .000032      .000109     -.000064      .000001     -.000113     -.000035  EPPR=      .000126     .000035     -.000083
 SIG=     16.587       28.395       1.6095       .51362-01   -8.7483      -2.7010   SIGPR=     31.047      16.909      -1.3640
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EL=  406 NODES=  583  589  590  584  619  625  626  620 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .375+04    500.       46.0      TEMP=   25.0      TAUMX=    5.9462      SIGE=    11.283
 EP=       .000027      .000031     -.000031     -.000000     -.000031     .000037 EPPR=      .000037     .000029     -.000039
 SIG=       8.1942       8.8363     -.74399     -.23260-02    -2.3794      2.8445 SIGPR=      9.8391      8.5005     -2.0532

EL=  407 NODES=  584  590  591  585  620  626  627  621 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    46.0      TEMP=   25.0      TAUMX=    6.1786      SIGE=    11.655
 EP=       .000027      .000031     -.000032      .000000      .000036     .000037 EPPR=      .000039     .000029     -.000041
 SIG=       8.0842       8.7396     -.98978      .25785-02     2.7626      2.8426 SIGPR=      9.9173      8.3566     -2.4399

EL=  408 NODES=  585  591  592  586  621  627  628  622 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    46.0      TEMP=   25.0      TAUMX=    6.5086      SIGE=    12.065
 EP=       .000027      .000032     -.000029     -.000000     -.000046     .000037 EPPR=      .000043     .000028     -.000041
 SIG=       8.6038       9.3982     -.62363-01   -.93672-02    -3.5880      2.8470 SIGPR=      11.056      8.8449     -1.9612

EL=  409 NODES=  586  592  593  587  622  628  629  623 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    46.0      TEMP=   25.0      TAUMX=    7.3588      SIGE=    13.599
 EP=       .000027      .000023     -.000034      .000000      .000066     .000037 EPPR=      .000043     .000026     -.000052
 SIG=       6.6614       6.1274     -2.6879      .86550-03     5.0962      2.8349 SIGPR=      9.1526      6.5335     -5.5651

EL=  410 NODES=  587  593  594  588  623  629  630  624 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    46.0      TEMP=   25.0      TAUMX=    16.235      SIGE=    28.152
 EP=       .000027      .000108     -.000065     -.000001     -.000113     .000036 EPPR=      .000126     .000029     -.000084
 SIG=      14.841       27.456      .63839     -.61018-01    -8.7388      2.7930 SIGPR=      30.100      15.204     -2.3696

EL=  411 NODES=  589  595  596  590  625  631  632  626 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .625+04    500.       46.0      TEMP=   25.0      TAUMX=    6.6162      SIGE=    12.306
 EP=       .000040      .000031     -.000030      .000000     -.000031     -.000040 EPPR=      .000047     .000033     -.000039
 SIG=      12.376       10.943      1.4550       .62411-02    -2.3785     -3.0978 SIGPR=      13.379      11.248      .14700

EL=  412 NODES=  590  596  597  591  626  632  633  627 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    46.0      TEMP=   25.0      TAUMX=    6.7862      SIGE=    12.659
 EP=       .000040      .000031     -.000031     -.000000      .000036     -.000040 EPPR=      .000047     .000034     -.000041
 SIG=      12.259       10.846      1.2064      -.26867-02     2.7658     -3.0963 SIGPR=      13.323      11.237     -.24913

EL=  413 NODES=  591  597  598  592  627  633  634  628 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04    46.0      TEMP=   25.0      TAUMX=    6.9511      SIGE=    12.982
 EP=       .000040      .000032     -.000029      .000000     -.000046     -.000040 EPPR=      .000049     .000035     -.000041
 SIG=      12.804       11.518      2.1471       .16976-01    -3.5791     -3.0865 SIGPR=      14.156      12.060      .25351

EL=  414 NODES=  592  598  599  593  628  634  635  629 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    46.0      TEMP=   25.0      TAUMX=    7.8435      SIGE=    14.544
 EP=       .000040      .000023     -.000033     -.000000      .000066     -.000040 EPPR=      .000050     .000032     -.000052
 SIG=      10.751       8.1836      -.56628     -.13397-01     5.0885     -3.0680 SIGPR=      12.235      9.5847     -3.4518

EL=  415 NODES=  593  599  600  594  629  635  636  630 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04    46.0      TEMP=   25.0      TAUMX=    16.260      SIGE=    28.349
 EP=       .000040      .000109     -.000064      .000001     -.000113     -.000039 EPPR=      .000126     .000042     -.000084
 SIG=      18.809       29.528      2.6921       .82637-01    -8.7363     -3.0159 SIGPR=      32.188      19.172     -.33165

EL=  416 NODES=  595  601  602  596  631  637  638  632 MAT=  2 VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .875+04    500.       46.0      TEMP=   25.0      TAUMX=    5.9808      SIGE=    10.930
 EP=       .000013      .000031     -.000028     -.000000     -.000031      .000045 EPPR=      .000037     .000020     -.000041
 SIG=       4.5126       7.2331     -1.8983     -.16487-01    -2.3790      3.4897 SIGPR=      8.1015      5.6060     -3.8601
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EL=  417  NODES=  596  602  603  597  632  638  639  633  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    46.0      TEMP=  25.0      TAUMX=   6.2155      SIGE=   11.294
 EP=      .000013     .000031    -.000029     .000000     .000036     .000045  EPPR=     .000038     .000020    -.000042
 SIG=      4.4007      7.1424     -2.1416    .80149-02      2.7592      3.4865  SIGPR=     8.2110      5.4106     -4.2201

EL=  418  NODES=  597  603  604  598  633  639  640  634  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    46.0      TEMP=  25.0      TAUMX=   6.5757      SIGE=   11.762
 EP=      .000013     .000032    -.000026    -.000000    -.000046     .000045  EPPR=     .000042     .000019    -.000042
 SIG=      4.8969      7.7908     -1.2249   -.25244-01     -3.5809      3.4786  SIGPR=     9.4180      5.7782     -3.7334

EL=  419  NODES=  598  604  605  599  634  640  641  635  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    46.0      TEMP=  25.0      TAUMX=   7.3719      SIGE=   13.176
 EP=      .000014     .000023    -.000031     .000001     .000066     .000045  EPPR=     .000043     .000016    -.000052
 SIG=      3.1467      4.5970     -3.7940    .54463-01      5.0760      3.4617  SIGPR=     7.6050      3.4835     -7.1388

EL=  420  NODES=  599  605  606  600  635  641  642  636  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    46.0      TEMP=  25.0      TAUMX=   16.233      SIGE=   28.119
 EP=      .000015     .000109    -.000062    -.000001    -.000113     .000043  EPPR=     .000126     .000019    -.000083
 SIG=      11.519      26.073     -.37994     -.10308     -8.7585      3.3621  SIGPR=     28.778      12.123     -3.6875

EL=  421  NODES=  601  607  608  602  637  643  644  638  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .112+05    500.       46.0      TEMP=  25.0      TAUMX=   9.7551      SIGE=   17.282
 EP=      .000066     .000031    -.000044     .000000    -.000031    -.000054  EPPR=     .000073     .000033    -.000053
 SIG=      18.193      12.742      1.0941    .37579-01     -2.3697     -4.2001  SIGPR=     19.222      13.095     -.28833

EL=  422  NODES=  602  608  609  603  638  644  645  639  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    46.0      TEMP=  25.0      TAUMX=   9.8830      SIGE=   17.554
 EP=      .000066     .000031    -.000045    -.000000     .000035    -.000054  EPPR=     .000073     .000034    -.000055
 SIG=      18.082      12.659      .85502    -.34814-01      2.7467     -4.1942  SIGPR=     19.118      13.126     -.64790

EL=  423  NODES=  603  609  610  604  639  645  646  640  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    46.0      TEMP=  25.0      TAUMX=   9.9222      SIGE=   17.709
 EP=      .000066     .000032    -.000043     .000001    -.000046    -.000054  EPPR=     .000073     .000037    -.000055
 SIG=      18.608      13.305      1.7682    .51583-01     -3.5785     -4.1941  SIGPR=     19.725      14.075     -.11888

EL=  424  NODES=  604  610  611  605  640  646  647  641  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    46.0      TEMP=  25.0      TAUMX=   10.551      SIGE=   18.827
 EP=      .000064     .000023    -.000046    -.000002     .000065    -.000054  EPPR=     .000072     .000033    -.000064
 SIG=      16.280      9.9260     -.84662     -.11713      5.0692     -4.1815  SIGPR=     17.496      11.479     -3.6064

EL=  425  NODES=  605  611  612  606  641  647  648  642  MAT=  2  VOL=   .2500+08                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    46.0      TEMP=  25.0      TAUMX=   16.817      SIGE=   30.230
 EP=      .000063     .000105    -.000076     .000001    -.000111    -.000051  EPPR=     .000122     .000066    -.000095
 SIG=      23.722      30.289      2.2674    .82935-01     -8.6179     -3.9458  SIGPR=     32.880      24.153     -.75375

EL=  426  NODES=  613  619  620  614  649  655  656  650  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=    .125+04    500.       76.0      TEMP=  25.0      TAUMX=   5.0864      SIGE=   9.8762
 EP=      .000031     .000029    -.000030     .000000    -.000003    -.000024  EPPR=     .000033     .000029    -.000032
 SIG=      9.4529      9.1726     -.26462-01    .16927-02     -.25950     -1.8309  SIGPR=     9.7982      9.1755     -.37458

EL=  427  NODES=  614  620  621  615  650  656  657  651  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    76.0      TEMP=  25.0      TAUMX=   5.1799      SIGE=   10.249
 EP=      .000031     .000034    -.000030    -.000000     .000008    -.000024  EPPR=     .000034     .000033    -.000033
 SIG=      10.067      10.442      .56687   -.87001-03      .58732     -1.8303  SIGPR=     10.554      10.327      .19391
```

EL= 428 NODES= 615 621 622 616 651 657 658 652 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .125+04 .250+04 76.0 TEMP= 25.0 TAUMX= 5.1058 SIGE= 9.6522
EP= .000031 .000025 -.000029 .000000 -.000017 -.000024 EPPR= .000034 .000026 -.000032
SIG= 8.9779 8.0029 -.29778 .80419-02 -1.3197 -1.8254 SIGPR= 9.3775 8.1395 -.83401

EL= 429 NODES= 616 622 623 617 652 658 659 653 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .125+04 .350+04 76.0 TEMP= 25.0 TAUMX= 6.2129 SIGE= 11.817
EP= .000031 .000035 -.000033 .000000 .000036 -.000023 EPPR= .000041 .000032 -.000040
SIG= 9.8155 10.444 -.18495 .55085-02 2.7762 -1.8108 SIGPR= 11.276 9.9477 -1.1492

EL= 430 NODES= 617 623 624 618 653 659 660 654 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .125+04 .450+04 76.0 TEMP= 25.0 TAUMX= 12.963 SIGE= 22.633
EP= .000031 .000083 -.000054 .000001 -.000094 -.000023 EPPR= .000097 .000032 -.000070
SIG= 13.804 21.754 .60610 .50632-01 -7.3131 -1.7777 SIGPR= 24.070 13.952 -1.8572

EL= 431 NODES= 619 625 626 620 655 661 662 656 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .375+04 500. 76.0 TEMP= 25.0 TAUMX= 4.9776 SIGE= 9.8263
EP= .000028 .000029 -.000031 -.000000 -.000003 .000025 EPPR= .000031 .000029 -.000033
SIG= 8.5056 8.6667 -.61720 -.22719-02 -.25915 1.9693 SIGPR= 8.9244 8.6614 -1.0308

EL= 432 NODES= 620 626 627 621 656 662 663 657 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .375+04 .150+04 76.0 TEMP= 25.0 TAUMX= 5.2293 SIGE= 10.217
EP= .000028 .000034 -.000031 .000000 .000008 .000025 EPPR= .000034 .000031 -.000033
SIG= 9.1237 9.9363 -.22331-01 .23936-02 .58733 1.9678 SIGPR= 9.9991 9.4981 -.45953

EL= 433 NODES= 621 627 628 622 657 663 664 658 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .375+04 .250+04 76.0 TEMP= 25.0 TAUMX= 5.0097 SIGE= 9.5826
EP= .000028 .000025 -.000029 -.000000 -.000017 .000025 EPPR= .000032 .000026 -.000033
SIG= 8.0239 7.4896 -.89367 -.95250-02 -1.3204 1.9622 SIGPR= 8.5275 7.5842 -1.4918

EL= 434 NODES= 622 628 629 623 658 664 665 659 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .375+04 .350+04 76.0 TEMP= 25.0 TAUMX= 6.2651 SIGE= 11.787
EP= .000028 .000035 -.000034 -.000000 .000036 .000025 EPPR= .000041 .000030 -.000040
SIG= 8.9058 9.9547 -.74677 -.31555-03 2.7799 1.9451 SIGPR= 10.769 9.1056 -1.7611

EL= 435 NODES= 623 629 630 624 659 665 666 660 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .375+04 .450+04 76.0 TEMP= 25.0 TAUMX= 12.992 SIGE= 22.643
EP= .000029 .000082 -.000054 -.000001 -.000094 .000025 EPPR= .000097 .000030 -.000070
SIG= 12.913 21.238 .60081-01 -.60342-01 -7.3102 1.9042 SIGPR= 23.554 13.088 -2.4295

EL= 436 NODES= 625 631 632 626 661 667 668 662 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .625+04 500. 76.0 TEMP= 25.0 TAUMX= 5.5738 SIGE= 10.487
EP= .000036 .000029 -.000030 .000000 -.000003 -.000029 EPPR= .000039 .000029 -.000033
SIG= 10.890 9.8977 .72600 .61647-02 -.25869 -2.2787 SIGPR= 11.380 9.9018 .23193

EL= 437 NODES= 626 632 633 627 662 668 669 663 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .625+04 .150+04 76.0 TEMP= 25.0 TAUMX= 5.6024 SIGE= 10.815
EP= .000036 .000034 -.000030 -.000000 .000008 -.000029 EPPR= .000039 .000034 -.000033
SIG= 11.502 11.167 1.3186 -.24883-02 .58739 -2.2750 SIGPR= 12.006 11.179 .80167

EL= 438 NODES= 627 633 634 628 663 669 670 664 MAT= 2 VOL= .1250+09 3-D SOLID 45
XC,YC,ZC= .625+04 .250+04 76.0 TEMP= 25.0 TAUMX= 5.5921 SIGE= 10.300
EP= .000036 .000025 -.000028 .000000 -.000017 -.000029 EPPR= .000039 .000026 -.000033
SIG= 10.431 8.7369 .46211 .16981-01 -1.3191 -2.2738 SIGPR= 10.967 8.8793 -.21673

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EL=  439  NODES=  628   634   635   629   664   670   671   665   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .625+04     .350+04     76.0      TEMP=  25.0        TAUMX=    6.4130      SIGE=    12.312
 EP=       .000036      .000035      -.000033      -.000000       .000036      -.000029   EPPR=     .000043      .000035      -.000040
 SIG=    11.197        11.144         .52853       -.11423-01     2.7739       -2.2548    SIGPR=   12.266       11.164       -.56029

EL=  440  NODES=  629   635   636   630   665   671   672   666   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .625+04     .450+04     76.0      TEMP=  25.0        TAUMX=    13.025      SIGE=    22.840
 EP=       .000035      .000083      -.000054       .000001      -.000094      -.000028   EPPR=     .000098      .000037      -.000070
 SIG=    15.131        22.458        1.2850         .82872-01    -7.3128       -2.1880    SIGPR=   24.794       15.335       -1.2555

EL=  441  NODES=  631   637   638   632   667   673   674   668   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .875+04     500.        76.0      TEMP=  25.0        TAUMX=    4.9797      SIGE=    9.6119
 EP=       .000019      .000029      -.000028      -.000000      -.000003       .000037   EPPR=     .000030      .000025      -.000035
 SIG=    5.8109        7.4878        -1.4744       -.16176-01    -.25783        2.8334    SIGPR=   7.5070       6.7696       -2.4523

EL=  442  NODES=  632   638   639   633   668   674   675   669   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .875+04     .150+04     76.0      TEMP=  25.0        TAUMX=    5.3450      SIGE=    10.043
 EP=       .000019      .000034      -.000029       .000000       .000008       .000037   EPPR=     .000034      .000025      -.000035
 SIG=    6.4248        8.7599        -.87880        .74153-02     .58600        2.8279    SIGPR=   8.8156       7.3646       -1.8744

EL=  443  NODES=  633   639   640   634   669   675   676   670   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .875+04     .250+04     76.0      TEMP=  25.0        TAUMX=    4.8867      SIGE=    9.3440
 EP=       .000018      .000025      -.000027      -.000000      -.000017       .000037   EPPR=     .000028      .000022      -.000035
 SIG=    5.3043        6.3091        -1.7578       -.24816-01    -1.3162        2.8362    SIGPR=   6.8525       5.9241       -2.9210

EL=  444  NODES=  634   640   641   635   670   676   677   671   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .875+04     .350+04     76.0      TEMP=  25.0        TAUMX=    6.3836      SIGE=    11.627
 EP=       .000019      .000035      -.000032       .000001       .000036       .000036   EPPR=     .000041      .000023      -.000041
 SIG=    6.3454        8.8387        -1.5582        .50839-01     2.7765        2.8081    SIGPR=   9.7269       6.9393       -3.0403

EL=  445  NODES=  635   641   642   636   671   677   678   672   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .875+04     .450+04     76.0      TEMP=  25.0        TAUMX=    13.051      SIGE=    22.644
 EP=       .000020      .000083      -.000053      -.000001      -.000095       .000035   EPPR=     .000098      .000022      -.000071
 SIG=    10.539        20.259        -.67804       -.10735       -7.3459        2.6779    SIGPR=   22.648       10.925       -3.4536

EL=  446  NODFS=  637   643   644   638   673   679   680   674   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .112+05     500.        76.0      TEMP=  25.0        TAUMX=    8.4774      SIGE=    15.048
 EP=       .000057      .000029      -.000041       .000000      -.000003      -.000049   EPPR=     .000063      .000029      -.000047
 SIG=    15.759        11.455        -.57867        .35939-01    -.24966       -3.7687    SIGPR=   16.645       11.458       -.31013

EL=  447  NODES=  638   644   645   639   674   680   681   675   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .112+05     .150+04     76.0      TEMP=  25.0        TAUMX=    8.4970      SIGE=    15.248
 EP=       .000057      .000034      -.000041      -.000000       .000007      -.000049   EPPR=     .000063      .000034      -.000047
 SIG=    16.373        12.732        1.1754        -.33051-01    .57590        -3.7680    SIGPR=   17.262       12.751       .26798

EL=  448  NODES=  639   645   646   640   675   681   682   676   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .112+05     .250+04     76.0      TEMP=  25.0        TAUMX=    8.4768      SIGE=    14.924
 EP=       .000057      .000025      -.000040       .000001      -.000017      -.000049   EPPR=     .000063      .000026      -.000046
 SIG=    15.292        10.292        .30413         .49198-01    -1.3007       -3.7834    SIGPR=   16.214       10.413       -.73939

EL=  449  NODES=  640   646   647   641   676   682   683   677   MAT=  2  VOL=    .1250+09                                            3-D SOLID  45
XC,YC,ZC=   .112+05     .350+04     76.0      TEMP=  25.0        TAUMX=    8.8661      SIGE=    16.176
 EP=       .000056      .000035      -.000043      -.000001       .000036      -.000048   EPPR=     .000062      .000038      -.000052
 SIG=    15.770        12.618        .43855        -.11316       2.7593        -3.7473    SIGPR=   16.780       12.998       -.95201
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EL=  450  NODES=  641  647  648  642  677  683  684  678  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05   .450+04   76.0      TEMP=  25.0      TAUMX=   13.478      SIGE=   24.547
 EP=      .000054     .000080    -.000062     .000001     -.000092    -.000045  EPPR=     .000095    .000057    -.000080
 SIG=    19.183      23.082      1.0831      .10460     -7.1341     -3.4871  SIGPR=   25.397     19.509     -1.5586

EL=  451  NODES=  649  655  656  650  685  691  692  686  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04   500.     126.      TEMP=  25.0      TAUMX=   4.6975      SIGE=   9.2877
 EP=      .000029     .000028    -.000029     .000000     .000013    -.000010  EPPR=     .000030    .000029    -.000031
 SIG=     8.8248      8.6351     -.28374     .17017-02    1.0315     -.77353  SIGPR=   8.9299     8.7114     -.46511

EL=  452  NODES=  650  656  657  651  686  692  693  687  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .150+04   126.      TEMP=  25.0      TAUMX=   4.9251      SIGE=   9.5195
 EP=      .000029     .000034    -.000028    -.000000    -.000011    -.000010  EPPR=     .000034    .000030    -.000029
 SIG=     9.8152     10.488       .86695   -.75260-03    -.87365     -.77213  SIGPR=   10.573     9.8735      .72320

EL=  453  NODES=  651  657  658  652  687  693  694  688  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .250+04   126.      TEMP=  25.0      TAUMX=   4.6204      SIGE=   8.6263
 EP=      .000029     .000021    -.000029     .000000     .000006    -.000010  EPPR=     .000030    .000021    -.000030
 SIG=     7.7152      6.3493     -1.3635     .83981-02    .49964     -.76923  SIGPR=   7.7807     6.3804     -1.4600

EL=  454  NODES=  652  658  659  653  688  694  695  689  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .350+04   126.      TEMP=  25.0      TAUMX=   5.9365      SIGE=   10.937
 EP=      .000029     .000044    -.000032     .000000     .000006    -.000010  EPPR=     .000044    .000030    -.000033
 SIG=    10.779      13.030      1.2505      .70232-02    .44900     -.75482  SIGPR=   13.047     10.838      1.1741

EL=  455  NODES=  653  659  660  654  689  695  696  690  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .450+04   126.      TEMP=  25.0      TAUMX=   9.3113      SIGE=   16.552
 EP=      .000029     .000054    -.000042     .000001    -.000072    -.000009  EPPR=     .000066    .000030    -.000055
 SIG=    10.667      14.417      -.46993     .49180-01   -5.5537     -.72466  SIGPR=   16.274     10.688     -2.3482

EL=  456  NODES=  655  661  662  656  691  697  698  692  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04   500.     126.      TEMP=  25.0      TAUMX=   4.7929      SIGE=   9.4326
 EP=      .000030     .000028    -.000030    -.000000     .000013     .000012  EPPR=     .000031    .000029    -.000031
 SIG=     8.9192      8.6511     -.33443    -.23418-02    1.0316      .92404  SIGPR=   9.0453     8.7310     -.54052

EL=  457  NODES=  656  662  663  657  692  698  699  693  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .150+04   126.      TEMP=  25.0      TAUMX=   4.9727      SIGE=   9.6598
 EP=      .000030     .000034    -.000029     .000000    -.000011     .000012  EPPR=     .000034    .000031    -.000030
 SIG=     9.9131     10.504       .81717     .23170-02    -.87347     .92396  SIGPR=   10.593     9.9938      .64758

EL=  458  NODES=  657  663  664  658  693  699  700  694  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .250+04   126.      TEMP=  25.0      TAUMX=   4.7177      SIGE=   8.7800
 EP=      .000030     .000021    -.000030    -.000000     .000006     .000012  EPPR=     .000031    .000021    -.000030
 SIG=     7.7998      6.3564     -1.4206    -.98135-02     .50000     .92169  SIGPR=   7.8921     6.3868     -1.5433

EL=  459  NODES=  658  664  665  659  694  700  701  695  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .350+04   126.      TEMP=  25.0      TAUMX=   5.9770      SIGE=   11.057
 EP=      .000030     .000044    -.000032    -.000000     .000006     .000012  EPPR=     .000044    .000031    -.000033
 SIG=    10.895      13.054      1.2200    -.23982-02     .45394     .90936  SIGPR=   13.072     10.979      1.1181

EL=  460  NODES=  659  665  666  660  695  701  702  696  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .450+04   126.      TEMP=  25.0      TAUMX=   9.3242      SIGE=   16.638
 EP=      .000030     .000053    -.000043    -.000001    -.000072     .000011  EPPR=     .000065    .000030    -.000055
 SIG=    10.784      14.408      -.49701    -.59133-01   -5.5463     .86431  SIGPR=   16.265     10.813     -2.3832
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EL=  461  NODES=  661  667  668  662  697  703  704  698  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .625+04   500.      126.      TEMP=  25.0      TAUMX=   4.8472      SIGE=   9.4726
 EP=      .000030     .000028    -.000029     .000000      .000013    -.000017  EPPR=     .000032     .000029    -.000031
 SIG=     9.1245      8.8094     -.63501-01   .61148-02    1.0317     -1.2799   SIGPR=    9.3417      8.8814     -.35271

EL=  462  NODES=  662  668  669  663  698  704  705  699  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .625+04   .150+04   126.      TEMP=  25.0      TAUMX=   4.9667      SIGE=   9.6937
 EP=      .000030     .000034    -.000028    -.000000     -.000011    -.000016  EPPR=     .000034     .000031    -.000030
 SIG=    10.114      10.662      1.0866     -.23125-02    -.87252     -1.2757   SIGPR=   10.767      10.262      .83375

EL=  463  NODES=  663  669  670  664  699  705  706  700  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .625+04   .250+04   126.      TEMP=  25.0      TAUMX=   4.7766      SIGE=   8.8455
 EP=      .000030     .000021    -.000029     .000000      .000006    -.000017  EPPR=     .000031     .000021    -.000030
 SIG=     8.0342      6.5344     -1.1352      .17008-01    .49999     -1.2801   SIGPR=    8.2111      6.5643     -1.3420

EL=  464  NODES=  664  670  671  665  700  706  707  701  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .625+04   .350+04   126.      TEMP=  25.0      TAUMX=   5.9725      SIGE=   11.080
 EP=      .000030     .000044    -.000032    -.000000      .000006    -.000016  EPPR=     .000044     .000031    -.000033
 SIG=    11.039      13.186      1.4386     -.78887-02    .44642     -1.2609   SIGPR=   13.204      11.200      1.2594

EL=  465  NODES=  665  671  672  666  701  707  708  702  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .625+04   .450+04   126.      TEMP=  25.0      TAUMX=   9.3541      SIGE=   16.650
 EP=      .000030     .000054    -.000042     .000001     -.000072    -.000015  EPPR=     .000066     .000030    -.000055
 SIG=    10.902      14.593     -.29757      .83133-01    -5.5539     -1.1929   SIGPR=   16.474      10.958     -2.2341

EL=  466  NODES=  667  673  674  668  703  709  710  704  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .875+04   500.      126.      TEMP=  25.0      TAUMX=   4.8107      SIGE=   9.4022
 EP=      .000025     .000028    -.000029    -.000000      .000013     .000025  EPPR=     .000030     .000027    -.000032
 SIG=     7.5273      8.0361     -.78738     -.15507-01    1.0313      1.9653   SIGPR=    8.2840      7.8293     -1.3373

EL=  467  NODES=  668  674  675  669  704  710  711  705  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .875+04   .150+04   126.      TEMP=  25.0      TAUMX=   5.0752      SIGE=   9.6614
 EP=      .000025     .000034    -.000028     .000000     -.000011     .000025  EPPR=     .000034     .000028    -.000031
 SIG=     8.5143      9.8875      .36267      .65724-02    -.87297     1.9603   SIGPR=    9.9937      8.9274     -.15663

EL=  468  NODES=  669  675  676  670  705  711  712  706  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .875+04   .250+04   126.      TEMP=  25.0      TAUMX=   4.5981      SIGE=   8.7092
 EP=      .000025     .000021    -.000029    -.000000      .000006     .000026  EPPR=     .000028     .000021    -.000032
 SIG=     6.3834      5.7424     -1.8796     -.23734-01    .49898      1.9757   SIGPR=    6.8386      5.7652     -2.3576

EL=  469  NODES=  670  676  677  671  706  712  713  707  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .875+04   .350+04   126.      TEMP=  25.0      TAUMX=   6.0642      SIGE=   11.094
 EP=      .000025     .000044    -.000031     .000001      .000006     .000025  EPPR=     .000044     .000028    -.000034
 SIG=     9.6183      12.489      .80964      .44059-01    .45507      1.9442   SIGPR=   12.512      10.021      .38389

EL=  470  NODES=  671  677  678  672  707  713  714  708  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .875+04   .450+04   126.      TEMP=  25.0      TAUMX=   9.4282      SIGE=   16.664
 EP=      .000026     .000054    -.000042    -.000001     -.000072     .000023  EPPR=     .000066     .000027    -.000056
 SIG=     9.6400      13.948     -.86272     -.11464      -5.5915     1.8015   SIGPR=   15.898      9.7963     -2.9589

EL=  471  NODES=  673  679  680  674  709  715  716  710  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05   500.      126.      TEMP=  25.0      TAUMX=   7.1078      SIGE=   12.882
 EP=      .000045     .000028    -.000036     .000000      .000013    -.000041  EPPR=     .000050     .000029    -.000042
 SIG=    12.615       9.9967     .43154-01    .33556-01    1.0371     -3.2000   SIGPR=   13.396      10.079     -.82000
```

```
EL= 472  NODES= 674  680  681  675  710  716  717  711  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05   .150+04   126.      TEMP=  25.0      TAUMX=   7.0160      SIGE=   12.969
 EP=      .000045     .000034    -.000035    -.000000    -.000011    -.000041  EPPR=     .000050     .000034    -.000040
 SIG=     13.602      11.849      1.1895    -.36076-01   -.68143    -3.1878   SIGPR=    14.386      11.901      .35371

EL= 473  NODES= 675  681  682  676  711  717  718  712  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05   .250+04   126.      TEMP=  25.0      TAUMX=   7.0662      SIGE=   12.496
 EP=      .000045     .000021    -.000036     .000001     .000007    -.000042  EPPR=     .000050     .000021    -.000041
 SIG=     11.523      7.7314     -1.0277     .45038-01    .51117    -3.2176   SIGPR=    12.301      7.7570     -1.8315

EL= 474  NODES= 676  682  683  677  712  718  719  713  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05   .350+04   126.      TEMP=  25.0      TAUMX=   7.1071      SIGE=   13.824
 EP=      .000044     .000044    -.000038    -.000001     .000006    -.000041  EPPR=     .000049     .000044    -.000043
 SIG=     14.223      14.247      1.5625    -.10474      .45265    -3.1547   SIGPR=    15.021      14.205      .80707

EL= 475  NODES= 677  683  684  678  713  719  720  714  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05   .450+04   126.      TEMP=  25.0      TAUMX=   9.6903      SIGE=   17.998
 EP=      .000043     .000051    -.000047     .000002    -.000069    -.000037  EPPR=     .000064     .000044    -.000061
 SIG=     13.731      15.029     -.22819      .14274     -5.3188    -2.8476   SIGPR=    17.035      13.842     -2.3455

EL= 476  NODES= 685  691  692  686  721  727  728  722  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04   500.      176.      TEMP=  25.0      TAUMX=   4.5072      SIGE=    8.9642
 EP=      .000028     .000028    -.000029     .000000     .000013    -.000002  EPPR=     .000029     .000028    -.000029
 SIG=     8.4820      8.4609     -.30845     .16837-02    1.0284    -.17932   SIGPR=    8.5835      8.4820     -.43100

EL= 477  NODES= 686  692  693  687  722  728  729  723  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .150+04   176.      TEMP=  25.0      TAUMX=   4.5867      SIGE=    8.9115
 EP=      .000028     .000031    -.000027    -.000000    -.000013    -.000002  EPPR=     .000032     .000028    -.000028
 SIG=     9.2039      9.6400      .70202    -.66265-03   -1.0227    -.17995   SIGPR=    9.7563      9.2069      .58278

EL= 478  NODES= 687  693  694  688  723  729  730  724  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .250+04   176.      TEMP=  25.0      TAUMX=   4.5427      SIGE=    8.7121
 EP=      .000028     .000022    -.000030     .000000     .000013    -.000002  EPPR=     .000028     .000023    -.000031
 SIG=     7.4529      6.5278     -1.4981     .86054-02    1.0179    -.17878   SIGPR=    7.4567      6.6547     -1.6287

EL= 479  NODES= 688  694  695  689  724  730  731  725  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .350+04   176.      TEMP=  25.0      TAUMX=   5.6443      SIGE=   10.321
 EP=      .000028     .000043    -.000029     .000000    -.000009    -.000002  EPPR=     .000043     .000028    -.000030
 SIG=     10.619      12.910      1.7198     .83034-02   -.73088    -.16934   SIGPR=    12.958      10.622      1.6691

EL= 480  NODES= 689  695  696  690  725  731  732  726  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04   .450+04   176.      TEMP=  25.0      TAUMX=   7.2575      SIGE=   13.234
 EP=      .000028     .000039    -.000036     .000001    -.000056    -.000002  EPPR=     .000048     .000028    -.000045
 SIG=     9.0002      10.699     -.97667     .47503-01    -4.3084    -.14301   SIGPR=    12.120      8.9989     -2.3956

EL= 481  NODES= 691  697  698  692  727  733  734  728  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04   500.      176.      TEMP=  25.0      TAUMX=   4.6519      SIGE=    9.1795
 EP=      .000030     .000028    -.000029    -.000000     .000013     .000004  EPPR=     .000030     .000029    -.000030
 SIG=     9.1031      8.7506     -.56138-01  -.23170-02    1.0286     .31733   SIGPR=    9.1184      8.8645     -.18539

EL= 482  NODES= 692  698  699  693  728  734  735  729  MAT= 2  VOL= .1250+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04   .150+04   176.      TEMP=  25.0      TAUMX=   4.6107      SIGE=    9.1152
 EP=      .000030     .000031    -.000027     .000000    -.000013     .000004  EPPR=     .000032     .000030    -.000028
 SIG=     9.8283      9.9299      .95517     .22945-02   -1.0231     .31749   SIGPR=    10.050      9.8342      .82894
```

```
EL=  483  NODES=  693  699  700  694  729  735  736  730  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    176.      TEMP=  25.0       TAUMX=   4.7314      SIGE=   8.9471
 EP=       .000030    .000022     -.000030      -.000000      .000013     .000004  EPPR=      .000033     .000023     -.000031
 SIG=     8.0627     6.8078      -1.2523      -.99803-02     1.0156      .31722   SIGPR=    8.0740      6.9331      -1.3888

EL=  484  NODES=  694  700  701  695  730  736  737  731  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    176.      TEMP=  25.0       TAUMX=   5.6603      SIGE=   10.469
 EP=       .000030    .000043     -.000030      -.000000      -.000009     .000004  EPPR=      .000043     .000033     -.000033
 SIG=     11.250     13.202      1.9849       -.42283-02     -.72509     .30498   SIGPR=    13.249      11.259      1.9283

EL=  485  NODES=  695  701  702  696  731  737  738  732  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    176.      TEMP=  25.0       TAUMX=   7.2538      SIGE=   13.344
 EP=       .000030    .000039     -.000036      -.000001      -.000056     .000003  EPPR=      .000048     .000033     -.000046
 SIG=     9.6147     10.951      -.71991      -.57601-01     -4.2986     .27020   SIGPR=    12.370      9.6125      -2.1371

EL=  486  NODES=  697  703  704  698  733  739  740  734  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .625+04    500.       176.      TEMP=  25.0       TAUMX=   4.5176      SIGE=   8.8977
 EP=       .000027    .000028     -.000028      .000000       .000013     -.000008 EPPR=      .000029     .000027     -.000029
 SIG=     8.1430     8.3171      -.41287      .59503-02      1.0284      -.65149  SIGPR=    8.4547      8.1730      -.58048

EL=  487  NODES=  698  704  705  699  734  740  741  735  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    176.      TEMP=  25.0       TAUMX=   4.5946      SIGE=   8.8545
 EP=       .000027    .000031     -.000027      -.000000      -.000013     -.000008 EPPR=      .000032     .000027     -.000028
 SIG=     8.8647     9.4970      .59752       -.20781-02     -1.0222      -.65685  SIGPR=    9.6202      8.9080      .43108

EL=  488  NODES=  699  705  706  700  735  741  742  736  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04    176.      TEMP=  25.0       TAUMX=   4.4790      SIGE=   8.6413
 EP=       .000027    .000022     -.000029      .000000       .000013     -.000008 EPPR=      .000027     .000023     -.000031
 SIG=     7.1341     6.3952      -1.5944      .16774-01      1.0149      -.65755  SIGPR=    7.1885      6.5159      -1.7694

EL=  489  NODES=  700  706  707  701  736  742  743  737  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    176.      TEMP=  25.0       TAUMX=   5.6544      SIGE=   10.288
 EP=       .000027    .000043     -.000029      -.000000      -.000010     -.000008 EPPR=      .000043     .000027     -.000033
 SIG=     10.254     12.755      1.5901       -.45349-02     -.73577      -.63893  SIGPR=    12.804      10.300      1.4954

EL=  490  NODES=  701  707  708  702  737  743  744  738  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04    176.      TEMP=  25.0       TAUMX=   7.2813      SIGE=   13.203
 EP=       .000027    .000039     -.000036      .000001       -.000056     -.000007 EPPR=      .000049     .000027     -.000045
 SIG=     8.6368     10.578      -1.1042      .82917-01      -4.3106      -.57486  SIGPR=    12.016      8.6411      -2.5468

EL=  491  NODES=  703  709  710  704  739  745  746  740  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .875+04    500.       176.      TEMP=  25.0       TAUMX=   4.7006      SIGE=   9.2489
 EP=       .000028    .000028     -.000028      -.000000      .000013     .000018  EPPR=      .000033     .000028     -.000031
 SIG=     8.5726     8.5144      -.22315      -.14961-01     1.0265      1.3571   SIGPR=    8.8591      8.5467      -.54205

EL=  492  NODES=  704  710  711  705  740  746  747  741  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    176.      TEMP=  25.0       TAUMX=   4.7004      SIGE=   9.1958
 EP=       .000028    .000031     -.000027      .000000       -.000013     .000018  EPPR=      .000032     .000029     -.000029
 SIG=     9.2896     9.6907      .78540       .58466-02      -1.0209      1.3592   SIGPR=    9.8638      9.4390      .46295

EL=  493  NODES=  705  711  712  706  741  747  748  742  MAT=  2  VOL=   .1250+09                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    176.      TEMP=  25.0       TAUMX=   4.7413      SIGE=   9.0036
 EP=       .000028    .000022     -.000029      -.000000      .000013     .000018  EPPR=      .000030     .000023     -.000032
 SIG=     7.5080     6.5730      -1.4256      -.22471-01     1.0158      1.3709   SIGPR=    7.7294      6.6793      -1.7532
```

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EL=  494  NODES=  706  712  713  707  742  748  749  743  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    176.      TEMP=   25.0      TAUMX=    5.7189      SIGE=    10.565
 EP=        .000029    .000043    -.000029    .000000    -.000009    .000017  EPPR=     .000043    .000030    -.000031
 SIG=      10.818     13.008      1.8592     .36955-01  -.72395     1.3367   SIGPR=    13.056     11.011     1.6183

EL=  495  NODES=  707  713  714  708  743  749  750  744  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    176.      TEMP=   25.0      TAUMX=    7.3604      SIGE=    13.454
 EP=        .000029    .000039    -.000036    -.000002   -.000056    .000015  EPPR=     .000049    .000029    -.000046
 SIG=      9.2570     10.818      -.83375    -.12173    -4.3455     1.1971   SIGPR=    12.341     9.2798     -2.3796

EL=  496  NODES=  709  715  716  710  745  751  752  746  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=    .112+05    500.       176.      TEMP=   25.0      TAUMX=    6.0738      SIGE=    11.300
 EP=        .000037    .000028    -.000032    .000000    .000013    -.000035  EPPR=     .000041    .000028    -.000037
 SIG=      10.532     9.1830      -.17952    .31539-01  1.0301     -2.7319   SIGPR=    11.211     9.2609     -.93666

EL=  497  NODES=  710  716  717  711  746  752  753  747  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    176.      TEMP=   25.0      TAUMX=    5.9473      SIGE=    11.210
 EP=        .000037    .000031    -.000031    -.000000   -.000013    -.000035  EPPR=     .000041    .000031    -.000036
 SIG=      11.249     10.358      .82186     -.27525-01 -1.0265     -2.7247   SIGPR=    11.950     13.424     .55033-01

EL=  498  NODES=  711  717  718  712  747  753  754  748  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    176.      TEMP=   25.0      TAUMX=    6.1547      SIGE=    11.169
 EP=        .000037    .000022    -.000033    .000001    .000013    -.000036  EPPR=     .000041    .000023    -.000038
 SIG=      9.5230     7.2769      -1.3516    .40611-01  1.0194     -2.7530   SIGPR=    10.194     7.3699     -2.1155

EL=  499  NODES=  712  718  719  713  748  754  755  749  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    176.      TEMP=   25.0      TAUMX=    6.1948      SIGE=    12.120
 EP=        .000035    .000043    -.000033    -.000001   -.000009    -.000034  EPPR=     .000043    .000039    -.000037
 SIG=      12.335     13.468      1.8037     -.92933-01 -.70638     -2.6608   SIGPR=    13.519     12.959     1.1289

EL=  500  NODES=  713  719  720  714  749  755  756  750  MAT=  2  VOL=   .1250+09                                  3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    176.      TEMP=   25.0      TAUMX=    7.5488      SIGE=    14.156
 EP=        .000035    .000037    -.000039    .000002    -.000052    -.000030  EPPR=     .000048    .000035    -.000049
 SIG=      10.527     10.874      -.88789    .18083     -4.0556     -2.3512   SIGPR=    12.577     10.456     -2.5202

EL=  501  NODES=  721  727  728  722  757  763  764  758  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=    .125+04    500.       301.      TEMP=   25.0      TAUMX=    4.1254      SIGE=    8.1869
 EP=        .000026    .000026    -.000026    .000000    .000006    .000004  EPPR=     .000027    .000026    -.000027
 SIG=      7.8576     7.9627      -.20772    .16161-02  .50243     .34607   SIGPR=    7.9976     7.8682     -.25321

EL=  502  NODES=  722  728  729  723  758  764  765  759  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    301.      TEMP=   25.0      TAUMX=    3.9616      SIGE=    7.8823
 EP=        .000026    .000026    -.000024    -.000000   -.000008    .000004  EPPR=     .000026    .000026    -.000025
 SIG=      8.0654     8.0954      .29159     -.60405-03 -.60716     .34577   SIGPR=    8.1526     8.0703     .22947

EL=  503  NODES=  723  729  730  724  759  765  766  760  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    301.      TEMP=   25.0      TAUMX=    4.3058      SIGE=    8.5627
 EP=        .000026    .000025    -.000029    .000000    .000013    .000004  EPPR=     .000026    .000025    -.000029
 SIG=      7.3099     7.1988      -1.1076    .85739-02  1.0054     .34454   SIGPR=    7.3704     7.2718     -1.2412

EL=  504  NODES=  724  730  731  725  760  766  767  761  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    301.      TEMP=   25.0      TAUMX=    4.7680      SIGE=    8.8414
 EP=        .000026    .000034    -.000023    .000000    -.000024    .000004  EPPR=     .000036    .000026    -.000025
 SIG=      9.4930     10.727      1.9810     .91959-02  -1.8799     .34499   SIGPR=    11.116     9.5053     1.5798
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EL= 505  NODES= 725  731  732  726  761  767  768  762  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04    .450+04    301.      TEMP=  25.0      TAUMX=   4.6951      SIGE=   9.2549
 EP=      .000026     .000024     -.000029     .000001     -.000029     .000005  EPPR=     .000028     .000026     -.000033
 SIG=      7.0339      6.7225     -1.4746     .43104-01    -2.2673      .35682  SIGPR=     7.3162      7.0395     -2.0739

EL= 506  NODES= 727  733  734  728  763  769  770  764  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04    500.       301.      TEMP=  25.0      TAUMX=   4.2166      SIGE=   8.3219
 EP=      .000028     .000026     -.000026     -.000000     .000006     -.000004  EPPR=     .000028     .000027     -.000026
 SIG=      8.5652      8.3401      .20360     -.21818-02    .50231      -.28331  SIGPR=     8.5964      8.3693      .16322

EL= 507  NODES= 728  734  735  729  764  770  771  765  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04    .150+04    301.      TEMP=  25.0      TAUMX=   4.0807      SIGE=   8.0202
 EP=      .000028     .000026     -.000024     .000000     -.000008     -.000004  EPPR=     .000028     .000026     -.000025
 SIG=      8.7966      8.4730      .70396     .21006-02    -.60743      -.28305  SIGPR=     8.8084      8.5182      .64700

EL= 508  NODES= 729  735  736  730  765  771  772  766  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04    .250+04    301.      TEMP=  25.0      TAUMX=   4.4361      SIGE=   8.6983
 EP=      .000028     .000025     -.000028     -.000000     .000013     -.000004  EPPR=     .000028     .000025     -.000029
 SIG=      8.0269      7.5669     -.70195     -.98090-02    1.0056      -.28108  SIGPR=     8.0409      7.6821     -.83121

EL= 509  NODES= 730  736  737  731  766  772  773  767  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04    .350+04    301.      TEMP=  25.0      TAUMX=   4.7442      SIGE=   8.9245
 EP=      .000028     .000034     -.000023     -.000000     -.000024     -.000004  EPPR=     .000036     .000028     -.000025
 SIG=      10.218      11.100      2.3942     -.60224-02    -1.8720      -.28204  SIGPR=     11.488      10.226      1.9993

EL= 510  NODES= 731  737  738  732  767  773  774  768  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .375+04    .450+04    301.      TEMP=  25.0      TAUMX=   4.7089      SIGE=   9.3626
 EP=      .000028     .000024     -.000029     -.000001     -.000029     -.000004  EPPR=     .000028     .000027     -.000033
 SIG=      7.7259      7.0536     -1.0844     -.52552-01    -2.2531      -.30090  SIGPR=     7.7414      7.6301     -1.6764

EL= 511  NODES= 733  739  740  734  769  775  776  770  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .625+04    500.       301.      TEMP=  25.0      TAUMX=   4.1281      SIGE=   8.0318
 EP=      .000024     .000026     -.000026     .000000     .000006     .000001  EPPR=     .000027     .000024     -.000027
 SIG=      7.1841      7.6233     -.57056     .56257-02    .50258      .79563-01  SIGPR=     7.6542      7.1847     -.60207

EL= 512  NODES= 734  740  741  735  770  776  777  771  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .625+04    .150+04    301.      TEMP=  25.0      TAUMX=   3.9614      SIGE=   7.7253
 EP=      .000024     .000026     -.000025     -.000000     -.000008     .000001  EPPR=     .000026     .000024     -.000025
 SIG=      7.3918      7.7572     -.71031-01    -.18166-02    -.60717      .79028-01  SIGPR=     7.8042      7.3925     -.11867

EL= 513  NODES= 735  741  742  736  771  777  778  772  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .625+04    .250+04    301.      TEMP=  25.0      TAUMX=   4.2873      SIGE=   8.4111
 EP=      .000024     .000025     -.000029     .000000     .000013     .000001  EPPR=     .000026     .000024     -.000030
 SIG=      6.6547      6.8695     -1.4639     .16251-01    1.0047      .74188-01  SIGPR=     6.9907      6.6534     -1.5840

EL= 514  NODES= 736  742  743  737  772  778  779  773  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .625+04    .350+04    301.      TEMP=  25.0      TAUMX=   4.7793      SIGE=   8.7439
 EP=      .000024     .000034     -.000023     .000000     -.000024     .000001  EPPR=     .000036     .000024     -.000025
 SIG=      8.8114      10.386      1.6062     .36964-03    -1.8884      .79944-01  SIGPR=     10.775      8.8120      1.2164

EL= 515  NODES= 737  743  744  738  773  779  780  774  MAT= 2  VOL=  .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .625+04    .450+04    301.      TEMP=  25.0      TAUMX=   4.7149      SIGE=   9.1308
 EP=      .000024     .000024     -.000029     .000001     -.000029     .000002  EPPR=     .000028     .000024     -.000033
 SIG=      6.3932      6.4331     -1.8181     .78769-01    -2.2769      .12280  SIGPR=     7.0230      6.3921     -2.4069
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EL= 516  NODES=  739  745  746  740  775  781  782  776  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .875+04    500.        301.      TEMP=  25.0      TAUMX=    4.3067      SIGE=   8.4151
 EP=       .000029     .000026    -.000026    -.000000     .000006      .000006  EPPR=     .000029     .000027     -.000026
 SIG=     8.9206      8.5070       .39356     -.14080-01   .50065       .48576   SIGPR=   8.9487      8.5372       .33531

EL= 517  NODES=  740  746  747  741  776  782  783  777  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .875+04    .150+04     301.      TEMP=  25.0      TAUMX=    4.1695      SIGE=   8.1133
 EP=       .000029     .000026    -.000024     .000000    -.000008      .000006  EPPR=     .000029     .000026     -.000025
 SIG=     9.1252      8.6390       .89223      .48459-02  -.60653       .48574   SIGPR=   9.1557      8.6839       .81676

EL= 518  NODES=  741  747  748  742  777  783  784  778  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .875+04    .250+04     301.      TEMP=  25.0      TAUMX=    4.5181      SIGE=   8.7830
 EP=       .000029     .000025    -.000028    -.000000     .000013      .000006  EPPR=     .000029     .000026     -.000029
 SIG=     8.3423      7.7352      -.51646     -.20547-01   1.0041       .49466   SIGPR=   8.3722      7.8528      -.66395

EL= 519  NODES=  742  748  749  743  778  784  785  779  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .875+04    .350+04     301.      TEMP=  25.0      TAUMX=    4.7407      SIGE=   9.0039
 EP=       .000029     .000034    -.000022     .000000    -.000024      .000006  EPPR=     .000036     .000029     -.000025
 SIG=     10.625      11.300       2.6212      .21935-01  -1.8716       .46327   SIGPR=   11.691      10.645       2.2099

EL= 520  NODES=  743  749  750  744  779  785  786  780  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .875+04    .450+04     301.      TEMP=  25.0      TAUMX=    4.8712      SIGE=   9.4939
 EP=       .000029     .000024    -.000029    -.000002    -.000030      .000005  EPPR=     .000030     .000027     -.000033
 SIG=     8.0914      7.2177      -.91219     -.13016     -2.2901       .35953   SIGPR=   8.2192      7.7009      -1.5232

EL= 521  NODES=  745  751  752  746  781  787  788  782  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05    500.        301.      TEMP=  25.0      TAUMX=    4.5153      SIGE=   8.8653
 EP=       .000026     .000026    -.000027     .000000     .000006     -.000024  EPPR=     .000029     .000026     -.000030
 SIG=     7.8618      7.9248      -.33268      .28239-01   .50237      -1.8406   SIGPR=   8.2750      7.9346      -.75559

EL= 522  NODES=  746  752  753  747  782  788  789  783  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05    .150+04     301.      TEMP=  25.0      TAUMX=    4.3973      SIGE=   8.5871
 EP=       .000026     .000026    -.000025    -.000000    -.000008     -.000024  EPPR=     .000029     .000026     -.000028
 SIG=     8.0672      8.0579       .15914     -.23828-01  -.60939      -1.8402   SIGPR=   8.5035      8.0720      -.29123

EL= 523  NODES=  747  753  754  748  783  789  790  784  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05    .250+04     301.      TEMP=  25.0      TAUMX=    4.7417      SIGE=   9.2220
 EP=       .000026     .000025    -.000029     .000000     .000013     -.000024  EPPR=     .000029     .000025     -.000032
 SIG=     7.3207      7.1768      -1.2127      .31320-01   1.0010      -1.8641   SIGPR=   7.7718      7.2246      -1.7116

EL= 524  NODES=  748  754  755  749  784  790  791  785  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05    .350+04     301.      TEMP=  25.0      TAUMX=    4.9568      SIGE=   9.2784
 EP=       .000025     .000034    -.000023    -.000001    -.000023     -.000022  EPPR=     .000036     .000027     -.000028
 SIG=     9.2221      10.551       1.7676     -.53264-01  -1.8062      -1.7371   SIGPR=   10.964      9.5257       1.0506

EL= 525  NODES=  749  755  756  750  785  791  792  786  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .112+05    .450+04     301.      TEMP=  25.0      TAUMX=    4.9423      SIGE=   9.3545
 EP=       .000026     .000023    -.000029     .000003    -.000026     -.000019  EPPR=     .000030     .000023     -.000033
 SIG=     6.9175      6.5118      -1.5438      .25117     -2.0310      -1.4853   SIGPR=   7.6467      6.4765      -2.2379

EL= 526  NODES=  757  763  764  758  793  799  800  794  MAT=  2  VOL=   .5000+09                                  3-D SOLID  45
XC,YC,ZC=   .125+04    500.        501.      TEMP=  25.0      TAUMX=    3.5190      SIGE=   7.0013
 EP=       .000022     .000023    -.000022     .000000     .000002      .000005  EPPR=     .000023     .000022     -.000023
 SIG=     6.8366      6.9281      -.81031-01   .14786-02   .13735       .39437   SIGPR=   6.9320      6.8579      -.10611
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EL= 527	NODES= 758	764	765	759	794	800	801	795	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.125+04	.150+04	501.		TEMP=	25.0			TAUMX=	3.4124		SIGE=	6.7270						
EP=	.000022	.000021		-.000022		-.000000		-.000002		.000005		EPPR=	.000022		.000021		-.000022		
SIG=	6.7088	6.5290		-.66790-01		-.47783-03		-.14749		.39395		SIGPR=	6.7320		6.5318		-.92891-01		
EL= 528	NODES= 759	765	766	760	795	801	802	796	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.125+04	.250+04	501.		TEMP=	25.0			TAUMX=	3.9025		SIGE=	7.5916						
EP=	.000022	.000025		-.000025		.000000		.000006		.000005		EPPR=	.000025		.000022		-.000025		
SIG=	6.8091	7.2395		-.47827		.79878-02		.49853		.39105		SIGPR=	7.2740		6.8273		-.53103		
EL= 529	NODES= 760	766	767	761	796	802	803	797	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.125+04	.350+04	501.		TEMP=	25.0			TAUMX=	3.4107		SIGE=	6.5980						
EP=	.000022	.000021		-.000014		.000000		-.000026		.000005		EPPR=	.000025		.000022		-.000019		
SIG=	7.7351	7.4850		2.0835		.85739-02		-2.0411		.36524		SIGPR=	8.1990		7.7270		1.3777		
EL= 530	NODES= 761	767	768	762	797	803	804	798	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.125+04	.450+04	501.		TEMP=	25.0			TAUMX=	3.4725		SIGE=	6.2281						
EP=	.000022	.000010		-.000022		.000000		-.000005		.000005		EPPR=	.000022		.000010		-.000022		
SIG=	4.9947	3.1344		-1.8799		.36730-01		-.36805		.38650		SIGPR=	5.0165		3.1612		-1.9285		
EL= 531	NODES= 763	769	770	764	799	805	806	800	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.375+04	500.		501.		TEMP=	25.0		TAUMX=	3.5098		SIGE=	6.9733						
EP=	.000023	.000023		-.000022		-.000000		.000002		-.000005		EPPR=	.000023		.000023		-.000022		
SIG=	7.2547	7.1909		.29287		-.19113-02		.13709		-.42584		SIGPR=	7.2818		7.1924		.26422		
EL= 532	NODES= 764	770	771	765	800	806	807	801	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.375+04	.150+04	501.		TEMP=	25.0			TAUMX=	3.4395		SIGE=	6.7050						
EP=	.000023	.000021		-.000021		.000000		-.000002		-.000005		EPPR=	.000023		.000021		-.000021		
SIG=	7.1311	6.7923		.30876		.18888-02		-.14761		-.42553		SIGPR=	7.1579		6.7953		.27899		
EL= 533	NODES= 765	771	772	766	801	807	808	802	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.375+04	.250+04	501.		TEMP=	25.0			TAUMX=	3.8485		SIGE=	7.5549						
EP=	.000023	.000025		-.000024		-.000000		.000006		-.000005		EPPR=	.000025		.000023		-.000024		
SIG=	7.2206	7.4952		-.10778		-.90877-02		.49966		-.42195		SIGPR=	7.5326		7.2399		-.16441		
EL= 534	NODES= 766	772	773	767	802	808	809	803	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.375+04	.350+04	501.		TEMP=	25.0			TAUMX=	3.3749		SIGE=	6.5754						
EP=	.000023	.000021		-.000014		-.000000		-.000026		-.000005		EPPR=	.000025		.000023		-.000018		
SIG=	8.1492	7.7429		2.4503		-.61487-02		-2.0323		-.41519		SIGPR=	8.4854		8.1214		1.7355		
EL= 535	NODES= 767	773	774	768	803	809	810	804	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.375+04	.450+04	501.		TEMP=	25.0			TAUMX=	3.4955		SIGE=	6.2331						
EP=	.000023	.000010		-.000021		-.000001		-.000005		-.000005		EPPR=	.000023		.000010		-.000022		
SIG=	5.3712	3.3574		-1.5436		-.44411-01		-.35367		-.41854		SIGPR=	5.3967		3.3827		-1.5944		
EL= 536	NODES= 769	775	776	770	805	811	812	806	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.625+04	500.		501.		TEMP=	25.0		TAUMX=	3.5804		SIGE=	7.0086						
EP=	.000021	.000023		-.000023		.000000		.000002		.000005		EPPR=	.000023		.000021		-.000023		
SIG=	6.2435	6.5808		-.54785		.49947-02		.13770		.42293		SIGPR=	6.5840		6.2691		-.57671		
EL= 537	NODES= 770	776	777	771	806	812	813	807	MAT= 2	VOL=	.5000+09							3-D SOLID	45
XC,YC,ZC=	.625+04	.150+04	501.		TEMP=	25.0			TAUMX=	3.3762		SIGE=	6.7278						
EP=	.000021	.000021		-.000022		-.000000		-.000002		.000005		EPPR=	.000021		.000021		-.000022		
SIG=	6.1146	6.1827		-.53403		-.12982-02		-.14742		.42308		SIGPR=	6.1883		6.1390		-.56405		

EL= 538	NODES= 771	777	778	772	807	813	814	808	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.625+04	.250+04	501.		TEMP=	25.0			TAUMX= 3.9652		SIGE= 7.6117					
EP=	.000021	.000025		-.000026		.000000		.000006		.000005	EPPR=	.000025	.000021	-.000026		
SIG=	6.2292	6.9003		-.94063		.15178-01		.49754		.41875	SIGPR=	6.9343	6.2507	-.99614		
EL= 539	NODES= 772	778	779	773	808	814	815	809	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.625+04	.350+04	501.		TEMP=	25.0			TAUMX= 3.4641		SIGE= 6.6068					
EP=	.000021	.000021		-.000015		.000000		-.000027		.000005	EPPR=	.000025	.000021	-.000020		
SIG=	7.1433	7.1404		1.6193		.41472-02		-2.0528		.41222	SIGPR=	7.8433	7.1448	.91497		
EL= 540	NODES= 773	779	780	774	809	815	816	810	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.625+04	.450+04	501.		TEMP=	25.0			TAUMX= 3.4220		SIGE= 6.1952					
EP=	.000021	.000010		-.000023		.000001		-.000005		.000005	EPPR=	.000021	.000011	-.000023		
SIG=	4.4738	2.8551		-2.2871		.66942-01		-.38137		.42550	SIGPR=	4.5017	2.8824	-2.3423		
EL= 541	NODES= 775	781	782	776	811	817	818	812	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.875+04	500.		501.		TEMP=	25.0		TAUMX= 3.6749		SIGE= 7.1143					
EP=	.000026	.000023		-.000021		-.000000		.000002		-.000002	EPPR=	.000026	.000023	-.000021		
SIG=	8.1368	7.6419		.79802		-.12340-01		.13625		-.16968	SIGPR=	8.1412	7.6441	.79140		
EL= 542	NODES= 776	782	783	777	812	818	819	813	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.875+04	.150+04	501.		TEMP=	25.0			TAUMX= 3.6033		SIGE= 6.8562					
EP=	.000026	.000021		-.000020		.000000		-.000002		-.000002	EPPR=	.000026	.000021	-.000021		
SIG=	8.0088	7.2445		.81350		.33403-02		-.14727		-.16817	SIGPR=	8.0128	7.2478	.80621		
EL= 543	NODES= 777	783	784	778	813	819	820	814	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.875+04	.250+04	501.		TEMP=	25.0			TAUMX= 3.8703		SIGE= 7.6737					
EP=	.000026	.000025		-.000024		-.000000		.000006		-.000002	EPPR=	.000026	.000025	-.000024		
SIG=	8.0895	7.9488		.39541		-.18360-01		.49903		-.16113	SIGPR=	8.0998	7.9746	.35929		
EL= 544	NODES= 778	784	785	779	814	820	821	815	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.875+04	.350+04	501.		TEMP=	25.0			TAUMX= 3.4070		SIGE= 6.7132					
EP=	.000026	.000021		-.000013		.000000		-.000026		-.000002	EPPR=	.000026	.000025	-.000018		
SIG=	9.0688	8.2110		2.9800		.37415-02		-2.0318		-.17906	SIGPR=	9.0934	8.8870	2.2794		
EL= 545	NODES= 779	785	786	780	815	821	822	816	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.875+04	.450+04	501.		TEMP=	25.0			TAUMX= 3.6602		SIGE= 6.4574					
EP=	.000026	.000010		-.000021		-.000002		-.000005		-.000003	EPPR=	.000026	.000010	-.000021		
SIG=	6.1305	3.6880		-1.1408		-.13188		-.36988		-.22857	SIGPR=	6.1436	3.7108	-1.1768		
EL= 546	NODES= 781	787	788	782	817	823	824	818	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.112+05	500.		501.		TEMP=	25.0		TAUMX= 3.4096		SIGE= 6.3861					
EP=	.000016	.000023		-.000020		.000000		.000002		-.000011	EPPR=	.000023	.000017	-.000021		
SIG=	5.1666	6.2610		-.43484		.23222-01		.13756		-.82053	SIGPR=	6.2639	5.2843	-.55541		
EL= 547	NODES= 782	788	789	783	818	824	825	819	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.112+05	.150+04	501.		TEMP=	25.0			TAUMX= 3.2097		SIGE= 6.0948					
EP=	.000016	.000021		-.000020		-.000000		-.000002		-.000011	EPPR=	.000021	.000017	-.000020		
SIG=	5.0362	5.8669		-.42241		-.19920-01		-.15133		-.82792	SIGPR=	5.8705	5.1590	-.54884		
EL= 548	NODES= 783	789	790	784	819	825	826	820	MAT= 2	VOL= .5000+09					3-D SOLID	45
XC,YC,ZC=	.112+05	.250+04	501.		TEMP=	25.0			TAUMX= 3.7849		SIGE= 6.9876					
EP=	.000016	.000025		-.000023		.000000		.000006		-.000011	EPPR=	.000025	.000016	-.000024		
SIG=	5.1169	6.5634		-.82426		.21164-01		.49662		-.83692	SIGPR=	6.5975	5.2310	-.97249		

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EL=  549  NODES=  784  790  791  785  820  826  827  821  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    501.      TEMP=   25.0      TAUMX=   3.2689      SIGE=   5.9703
 EP=      .000015    .000021    -.000012    .000000    -.000025    -.000009  EPPR=     .000025    .000016    -.000017
 SIG=     5.8948     6.7646      1.6044     .11432-01  -1.9374     -.70400   SIGPR=    7.4478     5.9460     .87002

EL=  550  NODES=  785  791  792  786  821  827  828  822  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    501.      TEMP=   25.0      TAUMX=   2.9759      SIGE=   5.4453
 EP=      .000017    .000011    -.000020    .000004    -.000003    -.000007  EPPR=     .000018    .000010    -.000021
 SIG=     3.6687     2.7063     -2.0614     .32291     -.21113     -.56531   SIGPR=    3.8286     2.6083     -2.1233

EL=  551  NODES=  793  799  800  794  829  835  836  830  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .125+04    500.       701.      TEMP=   25.0      TAUMX=   2.8922      SIGE=   5.7767
 EP=      .000019    .000019    -.000019    .000000    .000001     .000003  EPPR=     .000019    .000019    -.000019
 SIG=     5.7252     5.7220     -.35854-01  .13028-02  .11061      .23211   SIGPR=    5.7370     5.7217     -.47304-01

EL=  552  NODES=  794  800  801  795  830  836  837  831  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    701.      TEMP=   25.0      TAUMX=   2.8967      SIGE=   5.7553
 EP=      .000019    .000018    -.000019    -.000000   -.000000    .000003  EPPR=     .000019    .000018    -.000019
 SIG=     5.6476     5.5800     -.12710     -.25695-03 -.14055-01  .23230   SIGPR=    5.6569     5.5801     -.13646

EL=  553  NODES=  795  801  802  796  831  837  838  832  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    701.      TEMP=   25.0      TAUMX=   3.1231      SIGE=   6.0985
 EP=      .000019    .000021    -.000020    .000000    .000001     .000003  EPPR=     .000021    .000019    -.000020
 SIG=     5.8791     6.1932     -.41305-01  .69916-02  .87745-01   .23004   SIGPR=    6.1947     5.8877     -.51453-01

EL=  554  NODES=  796  802  803  797  832  838  839  833  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    701.      TEMP=   25.0      TAUMX=   2.3979      SIGE=   4.5401
 EP=      .000019    .000012    -.000009    .000000    -.000018    .000003  EPPR=     .000019    .000015    -.000012
 SIG=     6.1696     5.0919     1.9457      .66716-02  -1.4154     .22473   SIGPR=    6.1890     5.6250     1.3932

EL=  555  NODES=  797  803  804  798  833  839  840  834  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    701.      TEMP=   25.0      TAUMX=   2.9030      SIGE=   5.1038
 EP=      .000019    .000005    -.000018    .000000    .000007     .000003  EPPR=     .000019    .000006    -.000019
 SIG=     3.7455     1.6412     -1.9534     .31636-01  .57184      .22516   SIGPR=    3.7558     1.7279     -2.0503

EL=  556  NODES=  799  805  806  800  835  841  842  836  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .375+04    500.       701.      TEMP=   25.0      TAUMX=   2.8246      SIGE=   5.6347
 EP=      .000018    .000019    -.000018    -.000000   .000001     -.000004  EPPR=     .000019    .000019    -.000018
 SIG=     5.7735     5.8124     .18550      -.15800-02 .11033      -.29897   SIGPR=    5.8166     5.7875     .16740

EL=  557  NODES=  800  806  807  801  836  842  843  837  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    701.      TEMP=   25.0      TAUMX=   2.8179      SIGE=   5.6135
 EP=      .000018    .000018    -.000018    .000000    -.000000    -.000004  EPPR=     .000019    .000018    -.000018
 SIG=     5.6998     5.6707     .95723-01   .15146-02  -.13680-01  -.29817   SIGPR=    5.7157     5.6707     .79870-01

EL=  558  NODES=  801  807  808  802  837  843  844  838  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    701.      TEMP=   25.0      TAUMX=   3.0596      SIGE=   5.9559
 EP=      .000018    .000021    -.000019    -.000000   .000001     -.000004  EPPR=     .000021    .000019    -.000019
 SIG=     5.9243     6.2783     .17732      -.78481-02 .89165-01   -.29540   SIGPR=    6.2800     5.9390     .16089

EL=  559  NODES=  802  808  809  803  838  844  845  839  MAT=  2  VOL=   .5000+09                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    701.      TEMP=   25.0      TAUMX=   2.3348      SIGE=   4.4238
 EP=      .000018    .000012    -.000008    -.000000   -.000018    -.000004  EPPR=     .000019    .000015    -.000011
 SIG=     6.2236     5.1833     2.1588      -.41292-02 -1.4077     -.28778   SIGPR=    6.2589     5.7174     1.5893
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EL= 560 NODES= 803 809 810 804 839 845 846 840 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .375+04 .450+04 701. TEMP= 25.0 TAUMX= 2.8323 SIGE= 4.9772
EP= .000018 .000005 -.000017 -.000000 .000007 -.000004 EPPR= .000019 .000006 -.000018
SIG= 3.7753 1.7099 -1.7645 -.36910-01 .57970 -.28694 SIGPR= 3.7923 1.8007 -1.8723

EL= 561 NODES= 805 811 812 806 841 847 848 842 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .625+04 500. 701. TEMP= 25.0 TAUMX= 2.9850 SIGE= 5.9522
EP= .000018 .000019 -.000020 .000000 .000001 .000005 EPPR= .000019 .000018 -.000020
SIG= 5.4521 5.5041 -.43061 .41562-02 .11100 .39869 SIGPR= 5.5104 5.4747 -.45955

EL= 562 NODES= 806 812 813 807 842 848 849 843 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .625+04 .150+04 701. TEMP= 25.0 TAUMX= 2.9747 SIGE= 5.9312
EP= .000018 .000018 -.000020 -.000000 -.000000 .000005 EPPR= .000019 .000018 -.000020
SIG= 5.3725 5.3626 -.52345 -.41472-03 -.13862-01 .39769 SIGPR= 5.3992 5.3626 -.55018

EL= 563 NODES= 807 813 814 808 843 849 850 844 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .625+04 .250+04 701. TEMP= 25.0 TAUMX= 3.2213 SIGE= 6.2775
EP= .000018 .000021 -.000021 .000000 .000001 .000005 EPPR= .000021 .000019 -.000021
SIG= 5.6147 5.9811 -.43273 .13366-01 .85833-01 .39319 SIGPR= 5.9832 5.6391 -.45930

EL= 564 NODES= 808 814 815 809 844 850 851 845 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .625+04 .350+04 701. TEMP= 25.0 TAUMX= 2.4731 SIGE= 4.6839
EP= .000018 .000012 -.000010 .000000 -.000018 .000005 EPPR= .000019 .000015 -.000013
SIG= 5.8933 4.8735 1.5614 .34890-02 -1.4269 .38421 SIGPR= 5.9510 5.3725 1.0047

EL= 565 NODES= 809 815 816 810 845 851 852 846 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .625+04 .450+04 701. TEMP= 25.0 TAUMX= 2.9748 SIGE= 5.2427
EP= .000018 .000005 -.000019 .000001 .000007 .000005 EPPR= .000019 .000006 -.000020
SIG= 3.5353 1.4831 -2.2798 .56997-01 .56025 .38380 SIGPR= 3.5648 1.5585 -2.3848

EL= 566 NODES= 811 817 818 812 847 853 854 848 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .875+04 500. 701. TEMP= 25.0 TAUMX= 2.9356 SIGE= 5.7039
EP= .000021 .000019 -.000017 -.000000 .000001 -.000005 EPPR= .000021 .000019 -.000017
SIG= 6.6041 6.2779 .78614 -.10016-01 .10967 -.38352 SIGPR= 6.6301 6.2792 .75882

EL= 567 NODES= 812 818 819 813 848 854 855 849 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .875+04 .150+04 701. TEMP= 25.0 TAUMX= 2.9402 SIGE= 5.6843
EP= .000021 .000018 -.000017 .000000 -.000000 -.000005 EPPR= .000021 .000018 -.000017
SIG= 6.5281 6.1380 .69744 .15642-02 -.14015-01 -.38162 SIGPR= 6.5529 6.1380 .67254

EL= 568 NODES= 813 819 820 814 849 855 856 850 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .875+04 .250+04 701. TEMP= 25.0 TAUMX= 3.0161 SIGE= 6.0076
EP= .000021 .000021 -.000018 -.000000 .000001 -.000005 EPPR= .000021 .000021 -.000018
SIG= 6.7472 6.7487 .77823 -.16801-01 .88962-01 -.37838 SIGPR= 6.7853 6.7358 .75305

EL= 569 NODES= 814 820 821 815 850 856 857 851 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .875+04 .350+04 701. TEMP= 25.0 TAUMX= 2.4752 SIGE= 4.5614
EP= .000021 .000012 -.000007 -.000000 -.000018 -.000005 EPPR= .000021 .000015 -.000011
SIG= 7.0705 5.6500 2.7660 -.62118-02 -1.4060 -.38438 SIGPR= 7.1182 6.2005 2.1677

EL= 570 NODES= 815 821 822 816 851 857 858 852 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .875+04 .450+04 701. TEMP= 25.0 TAUMX= 2.9476 SIGE= 5.1379
EP= .000020 .000005 -.000017 -.000002 .000008 -.000005 EPPR= .000021 .000005 -.000017
SIG= 4.4275 2.0102 -1.3080 -.11981 .58131 -.39400 SIGPR= 4.4650 2.0948 -1.4301

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EL=  571  NODES=  817  823  824  818  853  859  860  854  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .112+05     500.        701.      TEMP=   25.0       TAUMX=    2.6667      SIGE=    4.8742
 EP=       .000011      .000019     -.000016     .000000      .000001     -.000002  EPPR=      .000019     .000011     -.000016
 SIG=     3.6630       4.9010      -.46372      .17666-01    .11029      -.12753   SIGPR=     4.9034      3.6668      -.46994

EL=  572  NODES=  818  824  825  819  854  860  861  855  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .112+05     .150+04     701.      TEMP=   25.0       TAUMX=    2.6590      SIGE=    4.8376
 EP=       .000011      .000018     -.000016    -.000000     -.000000     -.000002  EPPR=      .000018     .000011     -.000016
 SIG=     3.5772       4.7598      -.55344     -.17333-01   -.19541-01    -.13495   SIGPR=     4.7601      3.5814      -.55792

EL=  573  NODES=  819  825  826  820  855  861  862  856  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .112+05     .250+04     701.      TEMP=   25.0       TAUMX=    2.9190      SIGE=    5.2321
 EP=       .000011      .000021     -.000017     .000000      .000001     -.000002  EPPR=      .000021     .000011     -.000017
 SIG=     3.7747       5.3494      -.48129      .17738-01    .94921-01    -.13095   SIGPR=     5.3511      3.7786      -.48687

EL=  574  NODES=  820  826  827  821  856  862  863  857  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .112+05     .350+04     701.      TEMP=   25.0       TAUMX=    1.9785      SIGE=    3.6218
 EP=       .000010      .000012     -.000007     .000001     -.000017     -.000000  EPPR=      .000016     .000010     -.000010
 SIG=     4.0317       4.3104      1.3882       .65471-01   -1.3291      -.32826-01 SIGPR=     4.8311      4.0251      .87414

EL=  575  NODES=  821  827  828  822  857  863  864  858  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .112+05     .450+04     701.      TEMP=   25.0       TAUMX=    2.3145      SIGE=    4.1842
 EP=       .000012      .000006     -.000016     .000004      .000008      .000000  EPPR=      .000013     .000006     -.000017
 SIG=     2.2525       1.2442      -2.1472      .33954       .63681       .33189-02 SIGPR=     2.3647      1.2490      -2.2643

EL=  576  NODES=  829  835  836  830  865  871  872  866  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .125+04     500.        901.      TEMP=   25.0       TAUMX=    2.3010      SIGE=    4.5823
 EP=       .000015      .000015     -.000015     .000000      .000001      .000002  EPPR=      .000015     .000015     -.000015
 SIG=     4.5579       4.5205      -.33496-01   .11179-02    .10353       .13431   SIGPR=     4.5623      4.5225      -.39768-01

EL=  577  NODES=  830  836  837  831  866  872  873  867  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .125+04     .150+04     901.      TEMP=   25.0       TAUMX=    2.3502      SIGE=    4.6839
 EP=       .000015      .000015     -.000015     .000000      .000000      .000002  EPPR=      .000015     .000015     -.000015
 SIG=     4.5623       4.5994      -.97149-01   .27047-04    .31555-03    .13447   SIGPR=     4.5994      4.5662      -.10103

EL=  578  NODES=  831  837  838  832  867  873  874  868  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .125+04     .250+04     901.      TEMP=   25.0       TAUMX=    2.3141      SIGE=    4.5853
 EP=       .000015      .000016     -.000014     .000000     -.000001      .000002  EPPR=      .000016     .000015     -.000014
 SIG=     4.7384       4.8272      .20662       .60810-02   -.90986-01    .13299   SIGPR=     4.8291      4.7421      .20093

EL=  579  NODES=  832  838  839  833  868  874  875  869  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .125+04     .350+04     901.      TEMP=   25.0       TAUMX=    1.6614      SIGE=    2.9292
 EP=       .000015      .000006     -.000005     .000000     -.000009      .000002  EPPR=      .000015     .000008     -.000006
 SIG=     4.7541       3.3899      1.6996       .51479-02   -.70842       .13014   SIGPR=     4.7601      3.6461      1.4373

EL=  580  NODES=  833  839  840  834  869  875  876  870  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .125+04     .450+04     901.      TEMP=   25.0       TAUMX=    2.4856      SIGE=    4.4073
 EP=       .000015      .000003     -.000015     .000000      .000014      .000002  EPPR=      .000015     .000005     -.000017
 SIG=     2.7357       .83637      -1.8612      .27281-01    1.0586       .13199   SIGPR=     2.7415      1.1991      -2.2297

EL=  581  NODES=  835  841  842  836  871  877  878  872  MAT=  2  VOL=   .5000+09                                   3-D SOLID  45
XC,YC,ZC=    .375+04     500.        901.      TEMP=   25.0       TAUMX=    2.2257      SIGE=    4.4149
 EP=       .000014      .000015     -.000014    -.000000      .000001     -.000003  EPPR=      .000015     .000014     -.000014
 SIG=     4.4452       4.5245      .86902-01   -.12329-02    .10316      -.19427   SIGPR=     4.5273      4.4534      .75875-01
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EL= 582	NODES= 836	842	843	837	872	878	879	873	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.375+04	.150+04	901.		TEMP=	25.0			TAUMX=	2.2936	SIGE=	4.5180					
EP=	.000014	.000015	-.000014		.000000		.000000		-.000003		EPPR=	.000015	.000014	-.000014			
SIG=	4.4529	4.6034	.24619-01		.10097-02		.33609-03		-.19408		SIGPR=	4.6034	4.4614	.16130-01			
EL= 583	NODES= 837	843	844	838	873	879	880	874	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.375+04	.250+04	901.		TEMP=	25.0			TAUMX=	2.2574	SIGE=	4.4199					
EP=	.000014	.000016	-.000014		-.000000		-.000001		-.000002		EPPR=	.000016	.000014	-.000014			
SIG=	4.6239	4.8269	.32424		-.64732-02		-.89701-01		-.19137		SIGPR=	4.8287	4.6323	.31395			
EL= 584	NODES= 838	844	845	839	874	880	881	875	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.375+04	.350+04	901.		TEMP=	25.0			TAUMX=	1.5655	SIGE=	2.7687					
EP=	.000014	.000006	-.000004		-.000000		-.000009		-.000002		EPPR=	.000014	.000008	-.000006			
SIG=	4.6544	3.4002	1.8138		-.22359-02		-.70280		-.18670		SIGPR=	4.6683	3.6627	1.5374			
EL= 585	NODES= 839	845	846	840	875	881	882	876	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.375+04	.450+04	901.		TEMP=	25.0			TAUMX=	2.3918	SIGE=	4.2526					
EP=	.000014	.000003	-.000014		-.000000		.000014		-.000002		EPPR=	.000014	.000005	-.000017			
SIG=	2.6255	.83277	-1.7625		-.30536-01		1.0607		-.18609		SIGPR=	2.6371	1.2053	-2.1466			
EL= 586	NODES= 841	847	848	842	877	883	884	878	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.625+04	500.		901.		TEMP=	25.0		TAUMX=	2.4405	SIGE=	4.8265					
EP=	.000015	.000015	-.000016		.000000		.000001		.000004		EPPR=	.000015	.000015	-.000016			
SIG=	4.4857	4.3941	-.35236		.33042-02		.10392		.31127		SIGPR=	4.5065	4.3954	-.37455			
EL= 587	NODES= 842	848	849	843	878	884	885	879	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.625+04	.150+04	901.		TEMP=	25.0			TAUMX=	2.4728	SIGE=	4.9284					
EP=	.000015	.000015	-.000016		.000000		.000000		.000004		EPPR=	.000015	.000015	-.000017			
SIG=	4.4886	4.4737	-.41769		.57249-03		.10368-03		.31128		SIGPR=	4.5083	4.4737	-.43736			
EL= 588	NODES= 843	849	850	844	879	885	886	880	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.625+04	.250+04	901.		TEMP=	25.0			TAUMX=	2.4192	SIGE=	4.8297					
EP=	.000015	.000016	-.000016		.000000		-.000001		.000004		EPPR=	.000016	.000015	-.000016			
SIG=	4.6727	4.7047	-.10842		.11324-01		-.93014-01		.30871		SIGPR=	4.7083	4.6908	-.13008			
EL= 589	NODES= 844	850	851	845	880	886	887	881	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.625+04	.350+04	901.		TEMP=	25.0			TAUMX=	1.7873	SIGE=	3.1494					
EP=	.000015	.000006	-.000006		.000000		-.000009		.000004		EPPR=	.000015	.000008	-.000008			
SIG=	4.6745	3.2609	1.3966		.15687-02		-.71617		.30043		SIGPR=	4.7049	3.4967	1.1303			
EL= 590	NODES= 845	851	852	846	881	887	888	882	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.625+04	.450+04	901.		TEMP=	25.0			TAUMX=	2.6024	SIGE=	4.6087					
EP=	.000015	.000003	-.000016		.000001		.000014		.000004		EPPR=	.000015	.000005	-.000018			
SIG=	2.7048	.75422	-2.1169		.45673-01		1.0525		.29541		SIGPR=	2.7297	1.0875	-2.4751			
EL= 591	NODES= 847	853	854	848	883	889	890	884	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.875+04	500.		901.		TEMP=	25.0		TAUMX=	2.2512	SIGE=	4.4002					
EP=	.000016	.000015	-.000013		-.000000		.000001		-.000006		EPPR=	.000016	.000015	-.000013			
SIG=	5.1016	4.9326	.68823		-.78278-02		.10262		-.43580		SIGPR=	5.1457	4.9335	.64322			
EL= 592	NODES= 848	854	855	849	884	890	891	885	MAT= 2	VOL=	.5000+09					3-D SOLID	45
XC,YC,ZC=	.875+04	.150+04	901.		TEMP=	25.0			TAUMX=	2.2819	SIGE=	4.4971					
EP=	.000016	.000015	-.000013		-.000000		.000000		-.000006		EPPR=	.000016	.000015	-.000013			
SIG=	5.1076	5.0131	.62745		-.50487-03		.16679-03		-.43484		SIGPR=	5.1494	5.0130	.58564			

EL= 593 NODES= 849 855 856 850 885 891 892 886 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .875+04 .250+04 901. TEMP= 25.0 TAUMX= 2.2180 SIGE= 4.3989
EP= .000016 .000016 -.000012 -.000000 -.000001 -.000006 EPPR= .000016 .000016 -.000013
SIG= 5.2744 5.2409 .92575 -.15155-01 -.89818-01 -.43170 SIGPR= 5.3174 5.2422 .88141

EL= 594 NODES= 850 856 857 851 886 892 893 887 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .875+04 .350+04 901. TEMP= 25.0 TAUMX= 1.6591 SIGE= 2.8946
EP= .000016 .000006 -.000003 -.000000 -.000009 -.000006 EPPR= .000016 .000008 -.000005
SIG= 5.3139 3.7974 2.4048 -.10512-01 -.70046 -.43028 SIGPR= 5.3819 4.0705 2.0637

EL= 595 NODES= 851 857 858 852 887 893 894 888 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .875+04 .450+04 901. TEMP= 25.0 TAUMX= 2.4582 SIGE= 4.3221
EP= .000015 .000002 -.000013 -.000001 .000014 -.000005 EPPR= .000016 .000005 -.000016
SIG= 3.1056 1.0771 -1.3149 -.10097 1.0703 -.41793 SIGPR= 3.1666 1.4511 -1.7499

EL= 596 NODES= 853 859 860 854 889 895 896 890 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .112+05 500. 901. TEMP= 25.0 TAUMX= 2.1170 SIGE= 3.8001
EP= .000007 .000015 -.000012 .000000 .000001 .000005 EPPR= .000015 .000007 -.000013
SIG= 2.5598 3.7191 -.46628 .12126-01 .10230 .36523 SIGPR= 3.7219 2.6027 -.51211

EL= 597 NODES= 854 860 861 855 890 896 897 891 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .112+05 .150+04 901. TEMP= 25.0 TAUMX= 2.1815 SIGE= 3.9039
EP= .000007 .000015 -.000013 -.000000 -.000000 .000005 EPPR= .000015 .000007 -.000013
SIG= 2.5496 3.7909 -.53006 -.14393-01 -.39128-02 .36138 SIGPR= 3.7911 2.5913 -.57190

EL= 598 NODES= 855 861 862 856 891 897 898 892 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .112+05 .250+04 901. TEMP= 25.0 TAUMX= 2.1543 SIGE= 3.8350
EP= .000007 .000016 -.000012 .000000 -.000001 .000005 EPPR= .000016 .000007 -.000012
SIG= 2.6939 4.0069 -.25267 .17855-01 -.79761-01 .37092 SIGPR= 4.0084 2.7398 -.30018

EL= 599 NODES= 856 862 863 857 892 898 899 893 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .112+05 .350+04 901. TEMP= 25.0 TAUMX= 1.0739 SIGE= 2.0827
EP= .000007 .000007 -.000003 .000001 -.000009 .000005 EPPR= .000009 .000008 -.000005
SIG= 2.7470 2.6866 1.1482 .99749-01 -.66106 .42171 SIGPR= 2.9554 2.8187 .80771

EL= 600 NODES= 857 863 864 858 893 899 900 894 MAT= 2 VOL= .5000+09 3-D SOLID 45
XC,YC,ZC= .112+05 .450+04 901. TEMP= 25.0 TAUMX= 2.0333 SIGE= 3.6728
EP= .000009 .000004 -.000013 .000004 .000014 .000005 EPPR= .000011 .000004 -.000015
SIG= 1.3689 .50851 -2.0400 .31859 1.0518 .38211 SIGPR= 1.6316 .64074 -2.4349

EL= 601 NODES= 865 871 872 866 901 907 908 902 MAT= 2 VOL= .1250+10 3-D SOLID 45
XC,YC,ZC= .125+04 500. .125+04 TEMP= 25.0 TAUMX= 1.2615 SIGE= 2.5123
EP= .000008 .000008 -.000008 .000000 .000001 .000001 EPPR= .000008 .000008 -.000008
SIG= 2.4792 2.4591 -.37103-01 .88578-03 .64976-01 .76482-01 SIGPR= 2.4819 2.4604 -.41111-01

EL= 602 NODES= 866 872 873 867 902 908 909 903 MAT= 2 VOL= .1250+10 3-D SOLID 45
XC,YC,ZC= .125+04 .150+04 .125+04 TEMP= 25.0 TAUMX= 1.3184 SIGE= 2.6037
EP= .000008 .000009 -.000008 .000000 -.000001 .000001 EPPR= .000009 .000008 -.000008
SIG= 2.5182 2.5871 -.45437-01 .32456-03 -.52489-01 .76216-01 SIGPR= 2.5882 2.5204 -.48745-01

EL= 603 NODES= 867 873 874 868 903 909 910 904 MAT= 2 VOL= .1250+10 3-D SOLID 45
XC,YC,ZC= .125+04 .250+04 .125+04 TEMP= 25.0 TAUMX= 1.1540 SIGE= 2.2648
EP= .000008 .000008 -.000007 .000000 -.000001 .000001 EPPR= .000008 .000008 -.000007
SIG= 2.6219 2.5340 .32035 .49947-02 -.56582-01 .75030-01 SIGPR= 2.6244 2.5354 .31646

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EL=  604  NODES=  868  874  875  869  904  910  911  905  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    .125+04  TEMP=  25.0      TAUMX=   .73279     SIGE=   1.3017
 EP=      .000006     .000001     -.000001      .000000     .000002     .000001  EPPR=     .000008    .000002    -.000001
 SIG=    2.5313      1.4221       1.1655      .39579-02    .16013      .74011-01 SIGPR=   2.5355     1.5136     1.0699

EL=  605  NODES=  869  875  876  870  905  911  912  906  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    .125+04  TEMP=  25.0      TAUMX=   1.7459     SIGE=   3.3438
 EP=      .000008     .000001     -.000009      .000000     .000018     .000001  EPPR=     .000008    .000006    -.000014
 SIG=    1.2662      .17801      -1.4209      .21331-01    1.3760      .78925-01 SIGPR=   1.2780     .95911    -2.2138

EL=  606  NODES=  871  877  878  872  907  913  914  908  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .375+04    500.       .125+04  TEMP=  25.0      TAUMX=   1.2162     SIGE=   2.3959
 EP=      .000008     .000008     -.000008     -.000000     .000001    -.000001  EPPR=     .000008    .000008    -.000008
 SIG=    2.3611      2.4380       .13438-01   -.82042-03    .64795-01  -.99875-01 SIGPR=   2.4399     2.3651     .74741-02

EL=  607  NODES=  872  878  879  873  908  914  915  909  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    .125+04  TEMP=  25.0      TAUMX=   1.2831     SIGE=   2.4899
 EP=      .000008     .000009     -.000008      .000000    -.000001    -.000001  EPPR=     .000009    .000008    -.000008
 SIG=    2.4026      2.5658       .60171-02    .53192-03   -.52255-01  -.99496-01 SIGPR=   2.5669     2.4067     .83202-03

EL=  608  NODES=  873  879  880  874  909  915  916  910  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    .125+04  TEMP=  25.0      TAUMX=   1.0753     SIGE=   2.1474
 EP=      .000008     .000008     -.000006     -.000000    -.000001    -.000001  EPPR=     .000008    .000008    -.000006
 SIG=    2.5025      2.5100       .36774      -.48053-02   -.55670-01  -.97824-01 SIGPR=   2.5124     2.5060     .36180

EL=  609  NODES=  874  880  881  875  910  916  917  911  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    .125+04  TEMP=  25.0      TAUMX=   .66756     SIGE=   1.1839
 EP=      .000008     .000001     -.000000     -.000000     .000002    -.000001  EPPR=     .000008    .000002    -.000001
 SIG=    2.4274      1.4085       1.2129      -.10097-02    .16070     -.96287-01 SIGPR=   2.4352     1.5135     1.1001

EL=  610  NODES=  875  881  882  876  911  917  918  912  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    .125+04  TEMP=  25.0      TAUMX=   1.6847     SIGE=   3.2527
 EP=      .000008     .000001     -.000009     -.000000     .000018    -.000001  EPPR=     .000008    .000006    -.000014
 SIG=    1.1590      .15442      -1.3809      -.23314-01    1.3711     -.10054   SIGPR=   1.1831     .93575    -2.1862

EL=  611  NODES=  877  883  884  878  913  919  920  914  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .625+04    500.       .125+04  TEMP=  25.0      TAUMX=   1.3907     SIGE=   2.7237
 EP=      .000009     .000008     -.000009      .000000     .000001     .000002  EPPR=     .000009    .000008    -.000009
 SIG=    2.5143      2.4055       -.24213      .23891-02    .65165-01   .17861   SIGPR=   2.5262     2.4068     -.25524

EL=  612  NODES=  878  884  885  879  914  920  921  915  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    .125+04  TEMP=  25.0      TAUMX=   1.4138     SIGE=   2.8135
 EP=      .000009     .000009     -.000009      .000000    -.000001     .000002  EPPR=     .000009    .000009    -.000009
 SIG=    2.5531      2.5351       -.25094      .15687-02   -.52967-01   .17813   SIGPR=   2.5644     2.5360     -.26321

EL=  613  NODES=  879  885  886  880  915  921  922  916  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04    .125+04  TEMP=  25.0      TAUMX=   1.2840     SIGE=   2.4784
 EP=      .000009     .000008     -.000008      .000000    -.000001     .000002  EPPR=     .000009    .000008    -.000008
 SIG=    2.6629      2.4838       .12076      .86054-02    -.57736-01   .17587   SIGPR=   2.6751     2.4851     .10723

EL=  614  NODES=  880  886  887  881  916  922  923  917  MAT=  2  VOL=   .1250+10                                  3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    .125+04  TEMP=  25.0      TAUMX=   .84288     SIGE=   1.4907
 EP=      .000009     .000001     -.000002      .000000     .000002     .000002  EPPR=     .000009    .000001    -.000002
 SIG=    2.5572      1.3655       .97577      .36964-03    .17936      .17221   SIGPR=   2.5761     1.4321     .89030
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EL=  615  NODES=  881  887  888  882  917  923  924  918  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04    .125+04  TEMP=  25.0       TAUMX=   1.8514      SIGE=   3.4926
 EP=      .000009      .000001     -.000010      .000000      .000018      .000002  EPPR=     .000009     .000006     -.000015
 SIG=     1.3193       .15205     -1.5825       .33466-01    1.3796       .17195   SIGPR=    1.3530      .88558     -2.3497

EL=  616  NODES=  883  889  890  884  919  925  926  920  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .875+04    500.       .125+04  TEMP=  25.0       TAUMX=   1.1835      SIGE=   2.3300
 EP=      .000006      .000008     -.000006     -.000000      .000001     -.000005  EPPR=     .000008     .000008     -.000007
 SIG=     2.6938       2.6893      .46383      -.56077-02     .64534-01   -.38880   SIGPR=    2.7633      2.6874      .39628

EL=  617  NODES=  884  890  891  885  920  926  927  921  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    .125+04  TEMP=  25.0       TAUMX=   1.2142      SIGE=   2.4163
 EP=      .000006      .000009     -.000007     -.000000     -.000001     -.000005  EPPR=     .000009     .000008     -.000007
 SIG=     2.7329       2.8182      .45786      -.29346-02    -.51813-01   -.38871   SIGPR=    2.8207      2.7961      .39218

EL=  618  NODES=  885  891  892  886  921  927  928  922  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    .125+04  TEMP=  25.0       TAUMX=   1.0783      SIGE=   2.0931
 EP=      .000008      .000008     -.000005     -.000000     -.000001     -.000005  EPPR=     .000008     .000008     -.000005
 SIG=     2.8296       2.7664      .81785      -.12180-01    -.56330-01   -.38613   SIGPR=    2.9012      2.7680      .74465

EL=  619  NODES=  886  892  893  887  922  928  929  923  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    .125+04  TEMP=  25.0       TAUMX=    .73760      SIGE=   1.3315
 EP=      .000008      .000001      .000001     -.000000      .000002     -.000005  EPPR=     .000009     .000002     -.000001
 SIG=     2.7603       1.6467      1.6440      -.10206-01     .18313     -.37801   SIGPR=    2.8796      1.7670      1.4044

EL=  620  NODES=  887  893  894  888  923  929  930  924  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    .125+04  TEMP=  25.0       TAUMX=   1.7450      SIGE=   3.2484
 EP=      .000008      .000001     -.000008     -.000001      .000018     -.000005  EPPR=     .000009     .000005     -.000013
 SIG=     1.3747       .28912     -1.0512      -.72495-01    1.3814      -.35624   SIGPR=    1.5524      .99777     -1.9375

EL=  621  NODES=  889  895  896  890  925  931  932  926  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .112+05    500.       .125+04  TEMP=  25.0       TAUMX=   1.3402      SIGE=   2.5228
 EP=      .000003      .000008     -.000007      .000000      .000001      .000011  EPPR=     .000008     .000006     -.000009
 SIG=     1.2045       1.9307     -.36336       .65589-02     .63867-01    .86182   SIGPR=    1.9347      1.5827     -.74562

EL=  622  NODES=  890  896  897  891  926  932  933  927  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    .125+04  TEMP=  25.0       TAUMX=   1.4013      SIGE=   2.6072
 EP=      .000003      .000009     -.000007     -.000000     -.000001      .000011  EPPR=     .000009     .000006     -.000009
 SIG=     1.2282       2.0492     -.37434      -.94754-02    -.51461-01    .86242   SIGPR=    2.0518      1.6022     -.75094

EL=  623  NODES=  891  897  898  892  927  933  934  928  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    .125+04  TEMP=  25.0       TAUMX=   1.2310      SIGE=   2.3382
 EP=      .000003      .000008     -.000005      .000000     -.000001      .000011  EPPR=     .000008     .000006     -.000008
 SIG=     1.3078       1.9996     -.37961-01     .17040-01    -.51628-01    .86362   SIGPR=    2.0009      1.7295     -.46107

EL=  624  NODES=  892  898  899  893  928  934  935  929  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    .125+04  TEMP=  25.0       TAUMX=    .89817      SIGE=   1.5568
 EP=      .000003      .000002      .000000      .000001      .000002      .000011  EPPR=     .000008     .000001     -.000004
 SIG=     1.2694       .99562      .75534       .10163       .16211       .83971   SIGPR=    1.9248      .96713      .12847

EL=  625  NODES=  893  899  900  894  929  935  936  930  MAT=  2  VOL=    .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    .125+04  TEMP=  25.0       TAUMX=   1.7988      SIGE=   3.1831
 EP=      .000005      .000002     -.000008      .000003      .000017      .000010  EPPR=     .000010     .000002     -.000014
 SIG=     .46712      -.26273-02   -1.5396       .24039      1.2894       .74538   SIGPR=    1.2230      .76508-01   -2.3746
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EL=  626  NODES=  901  907  908  902  937  943  944  938  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .125+04    500.       .175+04  TEMP=  25.0       TAUMX=    .24254      SIGE=    .47916
 EP=      -.000002      -.000002       .000001     .000000      .000000      .000001  EPPR=      .000002    -.000002    -.000002
 SIG=     -.49633       -.49085      -.24561-01    .64236-03    .43726-02    .56339-01 SIGPR=   -.17885-01  -.49089     -.50297

EL=  627  NODES=  902  908  909  903  938  944  945  939  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    .175+04  TEMP=  25.0       TAUMX=    .24801      SIGE=    .48220
 EP=      -.000002      -.000001       .000001     .000000     -.000001      .000001  EPPR=      .000002    -.000001    -.000002
 SIG=     -.48090       -.45288      -.14758-01    .59954-03   -.77697-01    .55955-01 SIGPR=    .48525-02  -.46223     -.49117

EL=  628  NODES=  903  909  910  904  939  945  946  940  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    .175+04  TEMP=  25.0       TAUMX=    .38456      SIGE=    .72485
 EP=      -.000002      -.000002       .000003     .000000      .000001      .000001  EPPR=      .000003    -.000002    -.000002
 SIG=     -.41722       -.51506       .23879      .40255-02    .63722-01    .54986-01 SIGPR=    .24870     -.42178     -.52041

EL=  629  NODES=  904  910  911  905  940  946  947  941  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    .175+04  TEMP=  25.0       TAUMX=    .97064      SIGE=   1.7048
 EP=      -.000002      -.000004       .000004     .000000      .000010      .000001  EPPR=      .000006    -.000002    -.000006
 SIG=     -.41886       -.75150       .47433      .31014-02    .75092       .54644-01 SIGPR=    .83277     -.42030     -1.1085

EL=  630  NODES=  905  911  912  906  941  947  948  942  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    .175+04  TEMP=  25.0       TAUMX=   1.2400      SIGE=   2.1524
 EP=      -.000002       .000000      -.000001     .000000      .000016      .000001  EPPR=      .000007    -.000002    -.000009
 SIG=     -.68887       -.42507       -.67029      .14290-01   1.2324        .59958-01 SIGPR=    .69266     -.68963     -1.7873

EL=  631  NODES=  907  913  914  908  943  949  950  944  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .375+04    500.       .175+04  TEMP=  25.0       TAUMX=    .26015      SIGE=    .50367
 EP=      -.000002      -.000002       .000002    -.000000      .000000     -.000001  EPPR=      .000002    -.000002    -.000002
 SIG=     -.52801       -.49765      -.17258-01   -.40796-03    .42824-02   -.49482-01 SIGPR=   -.12470-01  -.49768     -.53276

EL=  632  NODES=  908  914  915  909  944  950  951  945  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    .175+04  TEMP=  25.0       TAUMX=    .26545      SIGE=    .50581
 EP=      -.000002      -.000001       .000002     .000000     -.000001     -.000001  EPPR=      .000002    -.000001    -.000002
 SIG=     -.51111       -.46037      -.75328-02    .11270-03   -.77435-01   -.49131-01 SIGPR=    .98558-02  -.47182     -.51705

EL=  633  NODES=  909  915  916  910  945  951  952  946  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    .175+04  TEMP=  25.0       TAUMX=    .39083      SIGE=    .74663
 EP=      -.000002      -.000002       .000003    -.000000      .000001     -.000001  EPPR=      .000003    -.000002    -.000002
 SIG=     -.45069       -.52461       .24330     -.33628-02    .63515-01   -.48080-01 SIGPR=    .25182     -.45399     -.52984

EL=  634  NODES=  910  916  917  911  946  952  953  947  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .350+04    .175+04  TEMP=  25.0       TAUMX=    .97183      SIGE=   1.7111
 EP=      -.000002      -.000004       .000004    -.000000      .000010     -.000001  EPPR=      .000007    -.000002    -.000006
 SIG=     -.44230       -.75507       .48216     -.11450-02    .74809      -.49442-01 SIGPR=    .83588     -.44330     -1.1078

EL=  635  NODES=  911  917  918  912  947  953  954  948  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .375+04    .450+04    .175+04  TEMP=  25.0       TAUMX=   1.2320      SIGE=   2.1403
 EP=      -.000002       .000000      -.000001    -.000000      .000016     -.000001  EPPR=      .000007    -.000002    -.000009
 SIG=     -.71828       -.44034       -.66609     -.16444-01   1.2255       -.55081-01 SIGPR=    .67919     -.71919     -1.7847

EL=  636  NODES=  913  919  920  914  949  955  956  950  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .625+04    500.       .175+04  TEMP=  25.0       TAUMX=    .21081      SIGE=    .40564
 EP=      -.000001      -.000002       .000001     .000000      .000000      .000001  EPPR=      .000001    -.000001    -.000002
 SIG=     -.43961       -.48887       -.82554-01    .14898-02    .42373-02    .75240-01 SIGPR=   -.67300-01  -.45481     -.48893
```

```
EL=  637  NODES=  914  920  921  915  950  956  957  951  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .150+04    .175+04  TEMP=  25.0      TAUMX=    .21471      SIGE=    .40967
 EP=      -.000001     -.000001      .000001      .000000     -.000001      .000001  EPPR=     .000001     -.000001     -.000002
 SIG=     -.42358      -.44919     -.72805-01    .22088-02   -.78382-01    .74609-01 SIGPR=  -.43204-01   -.42975      -.47263

EL=  638  NODES=  915  921  922  916  951  957  958  952  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .250+04    .175+04  TEMP=  25.0      TAUMX=    .35828      SIGE=    .65420
 EP=      -.000001     -.000002      .000002      .000000      .000001      .000001  EPPR=     .000002     -.000001     -.000002
 SIG=     -.35469      -.50965       .18538      .62163-02    .64372-01    .73157-01 SIGPR=  .20099      -.36439      -.51556

EL=  639  NODES=  916  922  923  917  952  958  959  953  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .350+04    .175+04  TEMP=  25.0      TAUMX=    .96005      SIGE=    1.6759
 EP=      -.000001     -.000004      .000004      .000000      .000010      .000001  EPPR=     .000006     -.000001     -.000006
 SIG=     -.36812      -.74988       .42240      .16859-02    .75697       .75344-01 SIGPR=  .79765      -.37081      -1.1224

EL=  640  NODES=  917  923  924  918  953  959  960  954  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .625+04    .450+04    .175+04  TEMP=  25.0      TAUMX=    1.2538      SIGE=    2.1727
 EP=      -.000001      .000000     -.000002      .000000      .000016      .000001  EPPR=     .000007     -.000001     -.000009
 SIG=     -.62616      -.40514      -.71329      .23964-01    1.2416       .77963-01 SIGPR=  .69562      -.62830      -1.8119

EL=  641  NODES=  919  925  926  920  955  961  962  956  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .875+04    500.       .175+04  TEMP=  25.0      TAUMX=    .46303      SIGE=    .83838
 EP=      -.000002     -.000002      .000002     -.000000      .000000     -.000004  EPPR=     .000003     -.000002     -.000003
 SIG=     -.60712      -.48231       .13115     -.38857-02    .45709-02   -.27947   SIGPR=  .22505      -.48233      -.70100

EL=  642  NODES=  920  926  927  921  956  962  963  957  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .150+04    .175+04  TEMP=  25.0      TAUMX=    .46717      SIGE=    .83942
 EP=      -.000002     -.000001      .000002     -.000000     -.000001     -.000004  EPPR=     .000003     -.000001     -.000003
 SIG=     -.59484      -.44450       .14130     -.52561-02   -.76443-01   -.27879   SIGPR=  .24228      -.44825      -.69206

EL=  643  NODES=  921  927  928  922  957  963  964  958  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .250+04    .175+04  TEMP=  25.0      TAUMX=    .54157      SIGE=    1.0353
 EP=      -.000002     -.000002      .000004     -.000000      .000001     -.000004  EPPR=     .000004     -.000002     -.000003
 SIG=     -.53657      -.50642       .39027     -.82313-02    .62586-01   -.27565   SIGPR=  .47006      -.50970      -.61308

EL=  644  NODES=  922  928  929  923  958  964  965  959  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .350+04    .175+04  TEMP=  25.0      TAUMX=    1.0406      SIGE=    1.8661
 EP=      -.000002     -.000004      .000005     -.000000      .000010     -.000003  EPPR=     .000007     -.000002     -.000006
 SIG=     -.51055      -.74128       .62055     -.68699-02    .74656      -.26865   SIGPR=  .99135      -.53280      -1.0898

EL=  645  NODES=  923  929  930  924  959  965  966  960  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .875+04    .450+04    .175+04  TEMP=  25.0      TAUMX=    1.2577      SIGE=    2.1997
 EP=      -.000002     -.000000     -.000001     -.000001      .000016     -.000003  EPPR=     .000008     -.000002     -.000008
 SIG=     -.81300      -.45923      -.56349     -.42428-01    1.2317      -.24704   SIGPR=  .74760      -.81554      -1.7678

EL=  646  NODES=  925  931  932  926  961  967  968  962  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .112+05    500.       .175+04  TEMP=  25.0      TAUMX=    1.0254      SIGE=    1.7936
 EP=      -.000001     -.000002      .000001      .000000      .000000      .000013  EPPR=     .000007     -.000002     -.000007
 SIG=     -.40707      -.49734      -.13159      .30608-02    .46070-02    1.0161   SIGPR=  .75605      -.49736      -1.2947

EL=  647  NODES=  926  932  933  927  962  968  969  963  MAT=  2  VOL=   .1250+10                                    3-D SOLID  45
XC,YC,ZC=    .112+05    .150+04    .175+04  TEMP=  25.0      TAUMX=    1.0318      SIGE=    1.7985
 EP=      -.000001     -.000001      .000001     -.000000     -.000001      .000013  EPPR=     .000007     -.000001     -.000007
 SIG=     -.39891      -.46302      -.12371     -.30292-02   -.73297-01    1.0200   SIGPR=  .77057      -.46313      -1.2931
```

```
EL=  648  NODES=  927  933  934  928  963  969  970  964  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .112+05    .250+04    .175+04  TEMP=  25.0       TAUMX=   1.0387      SIGE=   1.8426
 EP=      -.000001    -.000002     .000002     .000000     .000001     .000013  EPPR=     .000007    -.000002    -.000006
 SIG=     -.36064    -.52346     .10850     .93537-02   .56880-01   1.0103   SIGPR=    .91288     -.52399     -1.1645

EL=  649  NODES=  928  934  935  929  964  970  971  965  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .112+05    .350+04    .175+04  TEMP=  25.0       TAUMX=   1.2386      SIGE=   2.2217
 EP=      -.000001    -.000003     .000003     .000001     .000009     .000012  EPPR=     .000009    -.000003    -.000007
 SIG=     -.37470    -.73133     .33100     .58385-01   .68575      .93775   SIGPR=    1.1727     -.64316     -1.3046

EL=  650  NODES=  929  935  936  930  965  971  972  966  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .112+05    .450+04    .175+04  TEMP=  25.0       TAUMX=   1.4070      SIGE=   2.4382
 EP=      -.000001     .000000    -.000002     .000002     .000014     .000011  EPPR=     .000008    -.000001    -.000010
 SIG=     -.50487    -.38921    -.68518     .11757      1.1191      .83250   SIGPR=    .90554     -.57630     -1.9085

EL=  651  NODES=  937  943  944  938  973  979  980  974  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .125+04    500.       .225+04  TEMP=  25.0       TAUMX=   1.7300      SIGE=   3.4538
 EP=      -.000011    -.000011     .000011     .000000    -.000000     .000001  EPPR=     .000011    -.000011    -.000011
 SIG=     -3.4584    -3.4474    -.11519-02   .54770-03   -.37866-02   .67703-01  SIGPR=    .17717-03  -3.4474     -3.4597

EL=  652  NODES=  938  944  945  939  974  980  981  975  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .125+04    .150+04    .225+04  TEMP=  25.0       TAUMX=   1.7664      SIGE=   3.5111
 EP=      -.000011    -.000012     .000011     .000000    -.000001     .000001  EPPR=     .000011    -.000011    -.000012
 SIG=     -3.4856    -3.5302     .62555-04   .85198-03   -.47368-01   .67225-01  SIGPR=    .19928-02  -3.4869     -3.5309

EL=  653  NODES=  939  945  946  940  975  981  982  976  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .125+04    .250+04    .225+04  TEMP=  25.0       TAUMX=   1.7860      SIGE=   3.5428
 EP=      -.000011    -.000012     .000011     .000000     .000001     .000001  EPPR=     .000011    -.000011    -.000012
 SIG=     -3.4750    -3.5346     .34665-01   .38271-02   .50352-01   .65922-01  SIGPR=    .36614-01  -3.4761     -3.5354

EL=  654  NODES=  940  946  947  941  976  982  983  977  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .125+04    .350+04    .225+04  TEMP=  25.0       TAUMX=   1.6593      SIGE=   3.1299
 EP=      -.000011    -.000008     .000010     .000000     .000006     .000001  EPPR=     .000010    -.000009    -.000011
 SIG=     -3.2008    -2.7111     .43581-01   .26326-02   .44986      .64232-01  SIGPR=    .11642     -2.7825     -3.2022

EL=  655  NODES=  941  947  948  942  977  983  984  978  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .125+04    .450+04    .225+04  TEMP=  25.0       TAUMX=   1.4212      SIGE=   2.4619
 EP=      -.000011    -.000000     .000005     .000000     .000007     .000001  EPPR=     .000007    -.000002    -.000011
 SIG=     -2.6529    -.94326    -.66978-01   .89886-02   .53479      .67626-01  SIGPR=    .18772     -1.1962     -2.6547

EL=  656  NODES=  943  949  950  944  979  985  986  980  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .375+04    500.       .225+04  TEMP=  25.0       TAUMX=   1.7136      SIGE=   3.4237
 EP=      -.000011    -.000011     .000011    -.000000    -.000000    -.000001  EPPR=     .000011    -.000011    -.000011
 SIG=     -3.4366    -3.4446    -.18588-01  -.22088-03   -.37775-02  -.62731-01  SIGPR=   -.17433-01  -3.4378     -3.4446

EL=  657  NODES=  944  950  951  945  980  986  987  981  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .375+04    .150+04    .225+04  TEMP=  25.0       TAUMX=   1.7565      SIGE=   3.4810
 EP=      -.000011    -.000012     .000011    -.000000    -.000001    -.000001  EPPR=     .000011    -.000011    -.000012
 SIG=     -3.4625    -3.5281    -.17449-01  -.22990-03   -.47188-01  -.62118-01  SIGPR=   -.15696-01  -3.4636     -3.5288

EL=  658  NODES=  945  951  952  946  981  987  988  982  MAT=  2  VOL=   .1250+10                                        3-D SOLID  45
XC,YC,ZC=    .375+04    .250+04    .225+04  TEMP=  25.0       TAUMX=   1.7762      SIGE=   3.5135
 EP=      -.000011    -.000012     .000011    -.000000     .000001    -.000001  EPPR=     .000011    -.000011    -.000012
 SIG=     -3.4555    -3.5349     .15014-01  -.31059-02   .49901-01  -.61090-01  SIGPR=    .16791-01  -3.4565     -3.5357
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```
EL=  659 NODES=  946  952  953  947  982  988  989  983 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .375+04   .350+04   .225+04 TEMP=  25.0     TAUMX=  1.6394     SIGE=  3.0998
 EP=     -.000011    -.000008     .000010    -.000000     .000006    -.000001 EPPR=     .000010   -.000009   -.000011
SIG=    -3.1763    -2.7100     .28858-01  -.19564-02     .44798    -.60112-01 SIGPR=    .10136   -2.7812   -3.1775

EL=  660 NODES=  947  953  954  948  983  989  990  984 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .375+04   .450+04   .225+04 TEMP=  25.0     TAUMX=  1.4046     SIGE=  2.4329
 EP=     -.000011    -.000000     .000005    -.000000     .000007    -.000001 EPPR=     .000007   -.000002   -.000011
SIG=    -2.6380    -.95517    -.83537-01  -.12054-01     .53176    -.63538-01 SIGPR=    .16958   -1.2067   -2.6395

EL=  661 NODES=  949  955  956  950  985  991  992  986 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .625+04   500.   .225+04 TEMP=  25.0     TAUMX=  1.7315     SIGE=  3.4604
 EP=     -.000011    -.000011     .000011     .000000    -.000000     .000001 EPPR=     .000011   -.000011   -.000011
SIG=    -3.4024    -3.4087     .52798-01   .10684-02   -.38677-02   .69190-01 SIGPR=   .54187-01 -3.4036   -3.4089

EL=  662 NODES=  950  956  957  951  986  992  993  987 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .625+04   .150+04   .225+04 TEMP=  25.0     TAUMX=  1.7738     SIGE=  3.5175
 EP=     -.000011    -.000012     .000011     .000000    -.000001     .000001 EPPR=     .000011   -.000011   -.000012
SIG=    -3.4281    -3.4895     .55275-01   .26912-02   -.47945-01   .68208-01 SIGPR=   .57256-01 -3.4293   -3.4904

EL=  663 NODES=  951  957  958  952  987  993  994  988 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .625+04   .250+04   .225+04 TEMP=  25.0     TAUMX=  1.7932     SIGE=  3.5477
 EP=     -.000011    -.000012     .000012     .000000     .000001     .000001 EPPR=     .000012   -.000011   -.000012
SIG=    -3.4138    -3.4928     .90664-01   .53012-02   .50668-01   .67423-01 SIGPR=   .92679-01 -3.4149   -3.4938

EL=  664 NODES=  952  958  959  953  988  994  995  989 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .625+04   .350+04   .225+04 TEMP=  25.0     TAUMX=  1.6581     SIGE=  3.1324
 EP=     -.000011    -.000008     .000010     .000000     .000006     .000001 EPPR=     .000010   -.000009   -.000011
SIG=    -3.1488    -2.6701     .91674-01   .38497-02   .45441     .67153-01 SIGPR=   .16587   -2.7428   -3.1503

EL=  665 NODES=  953  959  960  954  989  995  996  990 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .625+04   .450+04   .225+04 TEMP=  25.0     TAUMX=  1.4179     SIGE=  2.4561
 EP=     -.000011    -.000000     .000005     .000000     .000007     .000001 EPPR=     .000007   -.000002   -.000011
SIG=    -2.5961    -.88947    -.22131-01   .20186-01   .53915     .69033-01 SIGPR=   .23790   -1.1476   -2.5979

EL=  666 NODES=  955  961  962  956  991  997  998  992 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .875+04   500.   .225+04 TEMP=  25.0     TAUMX=  1.8518     SIGE=  3.6026
 EP=     -.000013    -.000011     .000011    -.000000    -.000000    -.000002 EPPR=     .000011   -.000011   -.000013
SIG=    -3.8212    -3.6169    -.13126    -.37189-02   -.35702-02   -.15790 SIGPR=   -.12451   -3.6169   -3.8281

EL=  667 NODES=  956  962  963  957  992  998  999  993 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .875+04   .150+04   .225+04 TEMP=  25.0     TAUMX=  1.8685     SIGE=  3.6591
 EP=     -.000013    -.000012     .000011    -.000000    -.000001    -.000002 EPPR=     .000012   -.000012   -.000013
SIG=    -3.8540    -3.7000    -.13147    -.68248-02   -.46476-01   -.15791 SIGPR=   -.12419   -3.7001   -3.8612

EL=  668 NODES=  957  963  964  958  993  999 1000  994 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .875+04   .250+04   .225+04 TEMP=  25.0     TAUMX=  1.8809     SIGE=  3.6896
 EP=     -.000013    -.000012     .000012    -.000000     .000001    -.000002 EPPR=     .000012   -.000012   -.000013
SIG=    -3.8450    -3.7019    -.96803-01  -.49901-02   .49793-01   -.15560 SIGPR=  -.89665-01 -3.7026   -3.8515

EL=  669 NODES=  958  964  965  959  994 1000 1001  995 MAT=  2 VOL=  .1250+10                                    3-D SOLID  45
XC,YC,ZC=   .875+04   .350+04   .225+04 TEMP=  25.0     TAUMX=  1.7698     SIGE=  3.2804
 EP=     -.000012    -.000008     .000010    -.000000     .000006    -.000002 EPPR=     .000010   -.000009   -.000012
SIG=    -3.5290    -2.8656    -.72330-01  -.16318-02   .44641     -.14994 SIGPR=   .35127-02 -2.9345   -3.5360
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 EL=  670 NODES=  959  965  966  960  995 1001 1002  996 MAT=  2 VOL=   .1250+10                                    3-D SOLID  45
 XC,YC,ZC=   .875+04   .450+04   .225+04  TEMP=  25.0      TAUMX=   1.5174     SIGE=   2.6302
  EP=     -.000012     -.000000      .000006     -.000000      .000007     -.000002 EPPR=      .000007    -.000002    -.000012
  SIG=   -2.9495      -1.0928      -.17157     -.25577-01     .53244     -.14046  SIGPR=    .78175-01  -1.3354     -2.9566

 EL=  671 NODES=  961  967  968  962  997 1003 1004  998 MAT=  2 VOL=   .1250+10                                    3-D SOLID  45
 XC,YC,ZC=   .112+05   500.     .225+04  TEMP=  25.0      TAUMX=   1.5976     SIGE=   2.9093
  EP=     -.000006     -.000011      .000009      .000000     -.000000      .000007 EPPR=      .000009    -.000007    -.000011
  SIG=   -2.1939      -3.0038      .80882-01    .30112-02   -.38587-02     .51342  SIGPR=    .19140     -2.3044     -3.0039

 EL=  672 NODES=  962  968  969  963  998 1004 1005  999 MAT=  2 VOL=   .1250+10                                    3-D SOLID  45
 XC,YC,ZC=   .112+05   .150+04   .225+04  TEMP=  25.0      TAUMX=   1.6379     SIGE=   2.9711
  EP=     -.000006     -.000012      .000009      .000000     -.000001      .000007 EPPR=      .000010    -.000007    -.000012
  SIG=   -2.2167      -3.0815      .82777-01    .19158-02   -.44204-01     .51558  SIGPR=    .19364     -2.3269     -3.0822

 EL=  673 NODES=  963  969  970  964  999 1005 1006 1000 MAT=  2 VOL=   .1250+10                                    3-D SOLID  45
 XC,YC,ZC=   .112+05   .250+04   .225+04  TEMP=  25.0      TAUMX=   1.6556     SIGE=   3.0073
  EP=     -.000006     -.000012      .000009     -.000000      .000001      .000007 EPPR=      .000010    -.000007    -.000012
  SIG=   -2.2375      -3.0919      .11254     -.61306-03     .45168-01     .50900  SIGPR=    .21863     -2.3429     -3.0926

 EL=  674 NODES=  964  970  971  965 1000 1006 1007 1001 MAT=  2 VOL=   .1250+10                                    3-D SOLID  45
 XC,YC,ZC=   .112+05   .350+04   .225+04  TEMP=  25.0      TAUMX=   1.3539     SIGE=   2.5779
  EP=     -.000007     -.000008      .000008      .000000      .000005      .000006 EPPR=      .000009    -.000007    -.000009
  SIG=   -2.0853      -2.3522      .11390      .10368-02     .40949     .46471  SIGPR=    .26963     -2.1551     -2.4381

 EL=  675 NODES=  965  971  972  966 1001 1007 1008 1002 MAT=  2 VOL=   .1250+10                                    3-D SOLID  45
 XC,YC,ZC=   .112+05   .450+04   .225+04  TEMP=  25.0      TAUMX=   1.0468     SIGE=   1.8276
  EP=     -.000007     -.000001      .000004      .000000      .000006      .000005 EPPR=      .000006    -.000002    -.000008
  SIG=   -1.6697      -.75737      .27927-02    .15236-01     .48834     .41647  SIGPR=    .31541     -.96155     -1.7781

   *** ELEM. STRESS CALC. TIMES
  TYPE  NUMBER  STIF  TOTAL CP   AVE CP

   1      675    45   263.250     .390

 *** STEP   1   ITER   1 COMPLETE.  TIME=     .000000     KDIS=  1  KTEMP=     0  CUM. ITER.=     1

  STORAGE REQUIREMENTS (DECIMAL) FOR     STRESS AND FORCE CALCULATIONS    CP=  2108.149
 SIZE OF ABS= 64472  MEMORY=   7100  TOTAL=  71572  MEMORY AVAILABLE=  30000


 CORE NEEDED TO LOAD          =  64462
 MAXIMUM WORK AREA USED       =  15692
 MAXIMUM TOTAL MEMORY USED    =  80154


   1989920 WORDS WRITTEN ON BLOCKS 1 AND 2
    619396 WORDS WRITTEN ON BLOCK 3
      2687 ACTIVE DEGREES OF FREEDOM
     109.6 R.M.S. WAVEFRONT

  MATRIX SOLUTION TIME ESTIMATE (UNIVAC) = 1290.83 SECONDS.
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