

```

* RINSC Boral steel reg rod updated, 0.25" thick      1/00
CELL 6
NPLATE 1
SEQUENCE 2
NGROUP 34 7 7
NMESH 22 22
NREGION 10 0 10
NMATERIAL 10 1
PREOUT
LAST PRELUDE CARD
INITITATE
1st MAIN DATA CARD
SLAB 1 0.6330 1
S.S 304
SLAB 2 1.3547 2
H2O
SLAB 3 2.0764 3
H2O
SLAB 4 2.7114 4
B.S.
SLAB 5 2.9212 5
H2O
SLAB 6 3.1310 6
H2O
SLAB 7 3.7655 7
Al
SLAB 8 3.8860 8
H2O
SLAB 9 4.1000 9
Sideplate
SLAB 10 7.7720 10
Fuel
MESH 2 2 2 2 2 2 2 2 2 4
MATERIAL 1 -1 300.0 4 52 1.7598E-02 55 1.7532E-03 $
S. Steel 304
56 5.8505E-02 58 8.2029E-03 29 1.7147E-03
MATERIAL 2 -1 300.0 3 2001 6.68610E-02 16 3.34305E-02
H2O
MATERIAL 3 -1 300.0 3 2001 6.68610E-02 16 3.34305E-02
H2O
MATERIAL 4 -1 300.0 4 52 1.7604E-02 55 1.7538E-03 $
B. Steel 304
56 5.7797E-02 58 8.2058E-03 29 1.7153E-03 $
10 9.4302E-04 11 3.5184E-03
MATERIAL 5 -1 300.0 3 2001 6.68610E-02 16 3.34305E-02
H2O
MATERIAL 6 -1 300.0 3 2001 6.68610E-02 16 3.34305E-02
H2O
MATERIAL 7 -1 300.0 3 27 6.02669E-02
Al
MATERIAL 8 -1 300.0 3 2001 6.68610E-02 16 3.34305E-02
H2O
MATERIAL 9 -1 300.0 2 27 4.0765E-02 2001 2.1636E-02 $
sideplatead

```

```

16 1.0818E-02 10 2.0200E-07 11 8.1922E-07
MATERIAL 10 -1 300.0 1 27 1.8593E-02 29 8.5470E-04 $
Fuel Zone
235.1 2.5240E-04 238.1 1.0126E-03 149 1.00E-20 $
135 1.000E-20 100.1 1.000E-20 3239.1 1.000E-20 $
240.1 1.000E-20 241.1 1.000E-20 242.1 1.000E-20 $
1241.1 1.000E-20 1149 1.000E-20 2135 1.000E-20 $
236.1 1.00E-20 1238.1 1.000E-20 237.1 1.00E-20 $
10 6.4416E-08 11 2.6125E-07 2001 4.2824E-02 $
16 2.1412E-02
FEWGROUPS 3 5 6 8 10 13 15 16 18 20 22 24 26 27 29 32 34 37 $
38 40 42 44 45 47 50 52 54 56 59 60 61 64 66 69
POWERC 1 519 0.0 1
BEGINC
end of DATA
OPTION 3
full edit
BUCKLING 2.77E-03 2.33E-03
B-sq no eff on xs
LEAKAGE 5 1
BEEONE 0 7
PARTITION 5 15 27 45 52 59 69
RR EDIT
THERMAL 10
REGION 1 2 1 10
ISOXS 0 1 0 0 0 1 1 0 0
HUSE
RINSC isotxs
HSETID
RINSC LEU BS Reg Rod
ISOTOPES 52 55 56 58 29 2001
ISONAMES
CRSS MNSS FESS NISS SISS HSCR
EDITCELLS 1 1 0 0 0 0 0 0 0 0
VECTOR 2 7 14 23 26 29 34
relate FEWGROUPS
BEGINC

```