```
* 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
INITITIATE
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  6 8 1 10
ISOXS   0  1  0  0  0  1  1  0  0
HUSE
RINSC isotxs
HSETID
RINSC LEU BS Reg Rod
ISOTOPES  27 2001 16
ISONAMES
CRAL  HGCR  OGCR
EDITCELLS  0 0 0 0 0 1 1 1 0 0
VECTOR  2 7 14 23 26 29 34
relate FEWGROUPS
BEGINC
```