

```

* RINSC leu fuel cell  MG XS      1/99
CELL 6
NPLATE 1
SEQUENCE 2
NGROUP 34 7 7
NMESH 13 13
NREGION 4 0 4
NMATERIAL 4 1
PREOUT
LAST PRELUDE CARD
INITITATE
1st MAIN DATA CARD
SLAB 1 3.04250 1
Fuel Region
SLAB 2 3.88600 2
SidePlate
SLAB 3 3.93533 3
water
SLAB 4 7.77200 4
Be
MESH 4 2 2 5
MATERIAL 1 -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
MATERIAL 2 -1 300.0 2 27 4.0765E-02 2001 2.1636E-02 $
sideplatead
      16 1.0818E-02
MATERIAL 3 -1 300.0 3 2001 6.68610E-02 16 3.34305E-02
H2O
MATERIAL 4 -1 300.0 4 24 2.000E-02
Mg to replace Graphite
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 3 4 1 4
ISOXS 0 1 0 0 0 1 1 0 0
HUSE

```

RINSC isotxs
HSETID
RINSC LEU Graphite
ISOTOPES 24
ISONAMES
MG
EDITCELLS 0 0 1 1
VECTOR 2 7 14 23 26 29 34
relate FEWGROUUPS
BEGINC