

How hard is
relocatable dynamic
partition?

```
A: EXP 132, 144, 125, 110 // data values
BEGIN: MOVEI 1, 0 // initialize register 1
      MOVEI 2, 0 // ..... 2
LOOP: ADD 2, A(1) // add (A+reg 1) to reg 2
      ADDI 1, 1 // add 1 to reg 1
      CAIG 1, 4-1 // Is reg 1 > 4-1?
      JUMPA LOOP // If not, go to LOOP
      MOVE 3, 2 // If so, move reg 2 to reg 3
      IDIVI 3, 4 // div reg 3 by 4, remainder
                // goes to reg 4.
EXIT // end
END
```