```
Idle:          if (!dr) goto datastore; else if (!lc) goto coeffload
Datastore:     if (!dr) goto eidle;
               Reg[5] = data;
               Err = 0;
Zero:          reg[0] = 0;
sort:          reg[1] = reg[2];
               reg[2] = reg[3];
               reg[3] = reg[4];
               reg[4] = reg[5];
mul1:          reg[10] = reg[1] * reg[6]; if (overflow) goto eidle;
sub:           reg[0] = reg[0] + reg[10]; if (overflow) goto eidle;
mul1:          reg[10] = reg[2] * reg[7]; if (overflow) goto eidle;
add:           reg[0] = reg[0] + reg[10]; if (overflow) goto eidle;
mul1:          reg[10] = reg[3] * reg[8]; if (overflow) goto eidle;
sub:           reg[0] = reg[0] + reg[10]; if (overflow) goto eidle;
mul1:          reg[10] = reg[4] * reg[9]; if (overflow) goto eidle;
add:           reg[0] = reg[0] + reg[10]; if (overflow) goto eidle; else goto idle
eidle:         err = 1;
               if (dr) goto store;
               if (!dr) goto eidle;
coeffload1:    reg[6] = coeff;
coeffload1:    if (lc) reg[7] = coeff;
coeffload1:    if (lc) reg[8] = coeff;
coeffload1:    if (lc) reg[9] = coeff;
```