```
int n = 4;

int f()
{
   int k = 8;

   n = n-- ;
   return ( g() - k );
}

int g()
{
   int k = -1;

   if ((k + n) > 0) return f();
   else return 0 ;
}

main()
{
   int k = -3;

   k = f() + k;
}
```

```
0       set 0, 3
1       set 1, 6
2       set 2, 4
3       set 5, -3
4       set 1, D[1] + 1
5       set D[1], 6 + 4
6       set D[1] + 1, D[0]
7       set 0, D[1]
8       set 1, D[1] + 3
9       jump 12
10      set 5, D[5] + D[D[1]]
11      halt
12      set D[0] + 2, 8
13      set 2, D[2] - 1
14      set 1, D[1] + 1
15      set D[1], 16 + 4
16      set D[1] + 1, D[0]
17      set 0, D[1]
18      set 1, D[1] + 3
19      jump 24
20      set D[0]-1, D[D[1]] – D[D[0] +2]
21      set 1, D[0] - 1
22      set 0, D[D[0] + 1]
23      jump D[D[1] + 1]
24      set D[0] + 2, -1
25      jumpt 31, D[D[0] + 2] + D[2] >0
26      set D[0] - 1, 0
27      set 1, D[0] - 1
29      set 0, D[D[0] + 1]
30      jump D[D[1] + 1]
31      set 1, D[1] + 1
32      set D[1], 33 + 4
33      set D[1] + 1, D[0]
34      set 0, D[1]
35      set 1, D[1] + 3
36      jump 12
37      set D[0] -1, D[D[1]]
38      set 1, D[0] - 1
39      set 0, D[D[0] + 1]
40      jump D[D[1] + 1]
```