

The following is an example of a valid program executable by the robot:

```
1  PROG
2  VAR n, x, y;
3  PROC putCB(c, b)
4  {
5      drop(c);
6      free(b);
7      walk(n)
8  }
9  CORP
10
11 PROC goNorth()
12 {
13
14     while (canWalk(north,1)) do { walk(north,1)} od
15
16 }
17 CORP
18
19
20 PROC goWest()
21 {
22
23     if (canWalk(west,1)) { walk(west,1)} fi
24
25 }
26 CORP
27
28
29 {
30 go(3,3);
31 n=6;
32 putCB(2,1)
33
34
35
36
37 }
38
39 GORP
```