

```
0:      assign i <- 0
1: 2_while_cond:
2:      if      i < 10 goto 3_while_body
3:      goto    1
4: 3_while_body:
5:      if      i > 2 goto 6
6:      goto    7
7: 6:
8:      assign t0 <- 1
9:      goto    8
10: 7:
11:      assign t0 <- 0
12: 8:
13:      &()      t1 <- a
14:      mul      t2 <- i, 1
15:      &()      t3 <- a
16:      param    0 <- t3
17:      call     t4 <- DOFS
18:      add      t5 <- t2, t4
19:      add      t6 <- t1, t5
20:      assign @t6 <- t0
21:      add      t7 <- i, 1
22:      assign i <- t7
23:      goto     2_while_cond
24: 1:
25:      assign i <- 0
26: 13_while_cond:
27:      if      i < 10 goto 14_while_body
28:      goto    12
29: 14_while_body:
30:      &()      t8 <- a
31:      mul      t9 <- i, 1
32:      &()      t10 <- a
33:      param    0 <- t10
34:      call     t11 <- DOFS
35:      add      t12 <- t9, t11
36:      add      t13 <- t8, t12
37:      if      @t13 = 1 goto 17_if_true
38:      goto     18_if_false
39: 17_if_true:
40:      param    0 <- 1
41:      call     WriteInt
42:      goto     16
43: 18_if_false:
44:      param    0 <- 0
45:      call     WriteInt
46: 16:
47:      add      t14 <- i, 1
48:      assign i <- t14
49:      goto     13_while_cond
50: 12:
```