

```
0:      assign a <- 1
1:      assign b <- 0
2:      if      a = 1 goto 6
3:      goto    4
4: 6:
5:      if      b = 1 goto 3
6:      goto    4
7: 3:
8:      assign t0 <- 1
9:      goto    5
10: 4:
11:     assign t0 <- 0
12: 5:
13:     assign c <- t0
14:     if      c = 1 goto 8_if_true
15:     goto    9_if_false
16: 8_if_true:
17:     param   0 <- 1
18:     call    WriteInt
19:     goto    7
20: 9_if_false:
21:     param   0 <- 0
22:     call    WriteInt
23: 7:
24:     if      a = 1 goto 13
25:     if      b = 1 goto 13
26:     goto    14
27: 13:
28:     assign t1 <- 1
29:     goto    15
30: 14:
31:     assign t1 <- 0
32: 15:
33:     assign c <- t1
34:     if      c = 1 goto 18_if_true
35:     goto    19_if_false
36: 18_if_true:
37:     param   0 <- 1
38:     call    WriteInt
39:     goto    17
40: 19_if_false:
41:     param   0 <- 0
42:     call    WriteInt
43: 17:
44:     if      a = 1 goto 24
45:     if      b = 1 goto 24
46:     assign t2 <- 1
47:     goto    25
48: 24:
49:     assign t2 <- 0
50: 25:
51:     assign c <- t2
52:     if      c = 1 goto 28_if_true
53:     goto    29_if_false
54: 28_if_true:
55:     param   0 <- 1
56:     call    WriteInt
57:     goto    27
58: 29_if_false:
59:     param   0 <- 0
60:     call    WriteInt
61: 27:
```