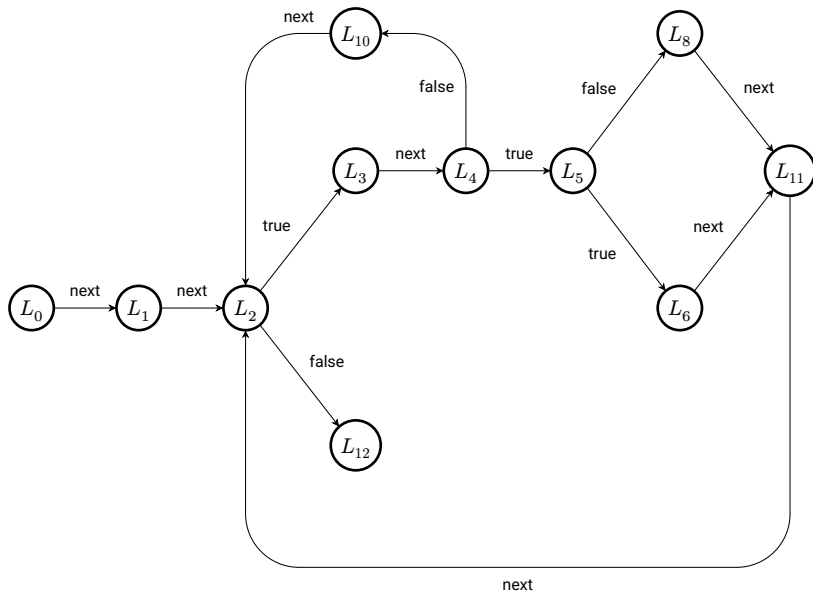# Iterative Program: Statics

```
0   x = 12
1   y = 4
2   while x > 0:
3     x -= y
4     if x < y:
5       if x == 0:
6         div = True
7       else:
8         div = False
9     else:
10      continue
11    continue
12
```

Loc	next	true	false	err
0	1	-	-	12
1	2	-	-	12
2	-	3	12	12
3	4	-	-	12
4	-	5	10	12
5	-	6	8	12
6	11	-	-	12
7	-	-	-	-
8	11	-	-	12
9	-	-	-	-
10	2	-	-	-
11	2	-	-	-
12	-	-	-	-

Iterative Program: Statics (ii)

Iterative Program: Dynamics

$$e = \begin{cases} x \mapsto 12 & ① \\ y \mapsto 4 & ② \\ x \mapsto 8 & ④ \\ x \mapsto 4 & ⑧ \\ x \mapsto 0 & ⑫ \\ \text{div} \mapsto \text{True} & ⑮ \end{cases}$$