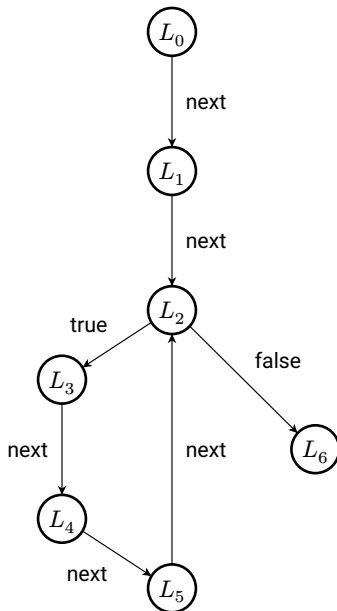# Iterative Program: Statics

```
0   x = 3
1   sum = 0
2   while x > 0:
3       sum += x
4       x -= 1
5       continue
6
```

Loc	next	true	false	err
0	1	-	-	6
1	2	-	-	6
2	-	3	6	6
3	4	-	-	6
4	5	-	-	6
5	2	-	-	-
6	-	-	-	-

Iterative Program: Dynamics

$$e = \begin{cases} x \mapsto 3 & ① \\ \text{sum} \mapsto 0 & ② \\ \text{sum} \mapsto 3 & ④ \\ x \mapsto 2 & ⑤ \\ \text{sum} \mapsto 5 & ⑧ \\ x \mapsto 1 & ⑨ \\ \text{sum} \mapsto 6 & ⑫ \\ x \mapsto 0 & ⑬ \end{cases}$$