

input: integers a and b

output: greatest common divisor of a
and b

1 **if** $a == b$ **goto** Line 8

2 **if** $a > b$ **then**

3 $a \leftarrow a - b$ ▷ and a comment

4 **else**

5 $b \leftarrow b - a$ ▷ and another comment

6 **end**

7 **goto** Line 1

8 **return** a