```
\frac{\mathrm{Fib}(n):}{1 \quad \text{if } n < 0:}
2 \quad \text{return null}
3 \quad \text{if } n = 0 \text{ or } n = 1: \qquad // \text{ you can also}
4 \quad \text{return } n \qquad // \text{ add comments!}
5 \quad \text{return } \mathrm{Fib}(n-1) + \mathrm{Fib}(n-2)
```

```
\begin{array}{c} \text{if } n < 0 \text{:} \\ \text{return null} \\ \text{if } n = 0 \text{ or } n = 1 \text{:} \\ \text{return } n \\ \\ \text{let } x \leftarrow 0 \\ \text{let } y \leftarrow 1 \\ \text{for } i \leftarrow 2 \text{ to } n - 1 \text{:} \end{array} \text{ // so dynamic!} \\ \text{let } z \leftarrow x + y \\ x \leftarrow y \\ y \leftarrow z \\ \\ \text{return } x + y \\ \end{array}
```

```
FIB(n):
 1 if n < 0:
 2 return null
 3 if n = 0 or n = 1:
 4 return n
 6 let x \leftarrow 0
 7 ⊳ for instance
                                  ▶ for instance
 9 for
10 let y \leftarrow 1
11 for i \leftarrow 2 to n-1:
                                  ⊳ so dynamic!
       let z \leftarrow x + y if x \neq 0
13
       x \leftarrow y
14
       y \leftarrow z
15
16
17 return x + y
```

```
1 def fib(n):
2   if n < 0:
3    return None
4   if n == 0 or n == 1:  # this comment is
5    return n  # normal raw text
6   return fib(n-1) + fib(n-2)</pre>
```