```
\begin{array}{|c|c|c|}\hline \underline{\mathrm{Fib}}(n) \colon \\ 1 & \mathbf{if} \ n < 0 \colon \\ 2 & \mathbf{return} \ \mathrm{null} \\ 3 & \mathbf{if} \ n = 0 \ \mathbf{or} \ n = 1 \colon & \text{// you can also} \\ 4 & \mathbf{return} \ n & \text{// add comments!} \\ 5 & \mathbf{return} \ \mathrm{Fib}(n-1) + \mathrm{Fib}(n-2) \end{array}
```

```
\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 for
                                 ▷ used #no-keyword[for]
11 superloop
                                 ▷ used #keyword[superloop]
12 let y \leftarrow 1
13 for i \leftarrow 2 to n-1:
                                 ⊳ so dynamic!
      let z \leftarrow x + y if x \neq 0
14
15
       x \leftarrow y
16
       y \leftarrow z
17
18
19 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>
```