```
\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

5

6 let x \leftarrow 0

7 let y \leftarrow 1

8 for i \leftarrow 2 to n - 1: ▷ so dynamic!

9 | let z \leftarrow x + y

10 | x \leftarrow y

11 | y \leftarrow z

12

13 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>
```