```
\begin{array}{c|c} \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 \qquad // \ \mathrm{you} \ \mathrm{can} \ \mathrm{also} \\ 4 & \mathbf{return} \ n & // \ \mathrm{add} \ \mathrm{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

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
```

```
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4   if n == 0 or n == 1:  # this comment is
5   return n  # normal raw text
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