

```
int f
int n
```

```
int f = fib(4)  
int n = 4
```

```
int f = fib(n-1) + fib(n-2)
```

```
int n = 4
```

Since  $n > 1$  we return  
 $\text{fib}(n-1) + \text{fib}(n-2)$

```
int f = fib(3) + fib(2)
```

```
int n = 4
```

```
int n = 2
```

```
int n = 3
```

```
int n = 4
```

`int n = 1`

`int n = 2`

`int n = 2`

`int n = 3`

`int n = 4`



Since  $n > 1$  we return  
 $\text{fib}(n-1) + \text{fib}(n-2)$

```
int n = 0
```

```
int n = 1
```

```
int n = 1
```

```
int n = 2
```

```
int n = 2
```

```
int n = 3
```

```
int n = 4
```

```
int f = 2
```

```
int n = 4
```