

```
def recursion(n):  
    if n <= 1:  
        print("hi")  
        return  
    recursion(n-1)  
    recursion(n-2)
```

How many times will "hi" be printed when you invoke `recursion(3)`?

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4

Answer: D

The call stack will look like:

```
recursion(3)  
    recursion(2)  
        recursion(1) -> "hi"  
        recursion(0) -> "hi"  
    recursion(1) -> "hi"
```

So "hi" should be printed 3 times.

```
def recursion(n):  
    if n <= 2:  
        print("hi")  
        return  
    recursion(n-1)  
    recursion(n-2)
```

How many times will "hi" be printed when you invoke `recursion(3)`?

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4

Answer: C

The call stack will look like:

`recursion(3)`

`recursion(2) -> "hi"`

`recursion(1) -> "hi"`

So "hi" should be printed 2 times.