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.