

Fib Function Calls:

fib(5) -> fib(4) -> fib(3) -> fib(2) -> fib(1) -> fib(0) -> fib(1) -> fib(2) ->
fib(1) -> fib(0) -> fib(3) -> fib(2) -> fib(1) -> fib(0) -> fib(1)

fib(5) calls fib(4) and fib(3)

fib(4) calls fib(3) and fib(2)

fib(3) calls fib(2) and fib(1)

fib(3) calls fib(2) and fib(1)

fib(2) calls fib(1) and fib(0)

fib(2) calls fib(1) and fib(0)

fib(1) returns 1

fib(2) calls fib(1) and fib(0)

fib(1) returns 1

fib(1) returns 1

fib(0) returns 0

fib(1) returns 1

fib(0) returns 0

fib(1) returns 1

fib(0) returns 0

Returns: $1 + 1 + 1 + 1 + 1 = 5$