Recursive Factorial Trace

factorial (6) is just

factorial (7)

return 5 * factorial (8)

return 4 * factorial (3)

return 3 * factorial (2)

return 2 * factorial (1)

return 1

Recursive Fibonacci Trace

fib(2)+fib(1)

$$fib(6) = 3$$
 $fib(5) + fib(4) \longrightarrow fib(3) + fib(2)$
 $fib(4) + fib(3) \longleftrightarrow fib(2) + fib(1)$
 $fib(3) + fib(2) + fib(1)$