$$fib(n) = fib(n-1) + fib(n-2)$$

$$fib(0) = 0$$

$$fib(1) = 1$$

$$fib(4) = fib(3) + fib(2)$$

$$fib(3) = fib(2) + fib(1)$$

$$fib(2) = fib(1) + fib(0)$$

1

$$fib(2) = 1 + 0 = 1$$

$$fib(3) = 1 + 1 = 2$$

$$fib(4) = 2 + 1 = 3$$