



$$\begin{cases}
 m = 0 & 0 \\
 m = 1 & -1 \\
 m = 2 & -1 + 0 = 1
\end{cases}$$

$$fib(6) = fib(5) + fib(4)$$
  
= 5 + 3  
= 8

2 2 0

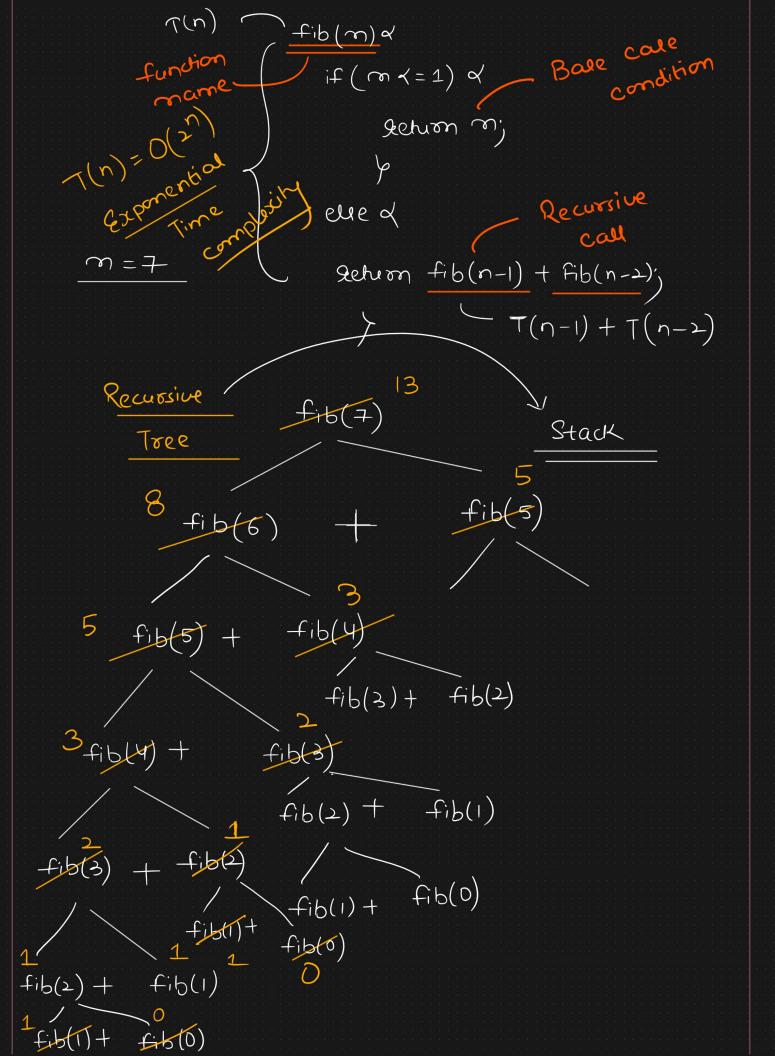
Recursive code

Base case condition

return on; m<1

Recursive call

fib(m-1) + fib(n-2)



$$c(2^{0}+2^{1}+2^{2}+---+k+imex)$$

$$C \times 2^m = O(2^m)$$

$$\frac{1}{2}$$

$$\frac{1}{$$