F = [0,1].

fibonacci (n):

si n=0

resp. 0.

si n=1

resp. 1

si n>1

resp. fibonacci(n-1) + fibonacci(n-2).

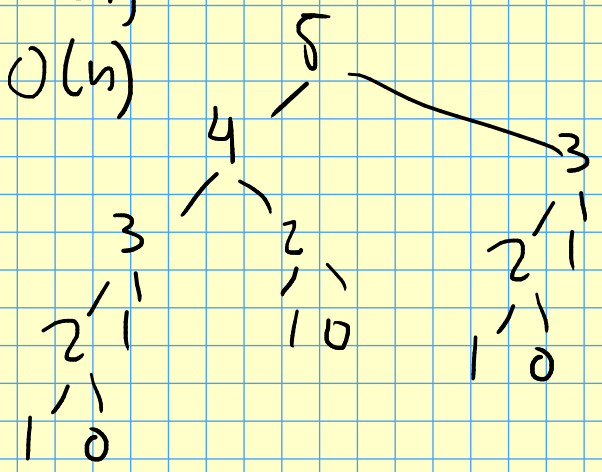
recursión directa

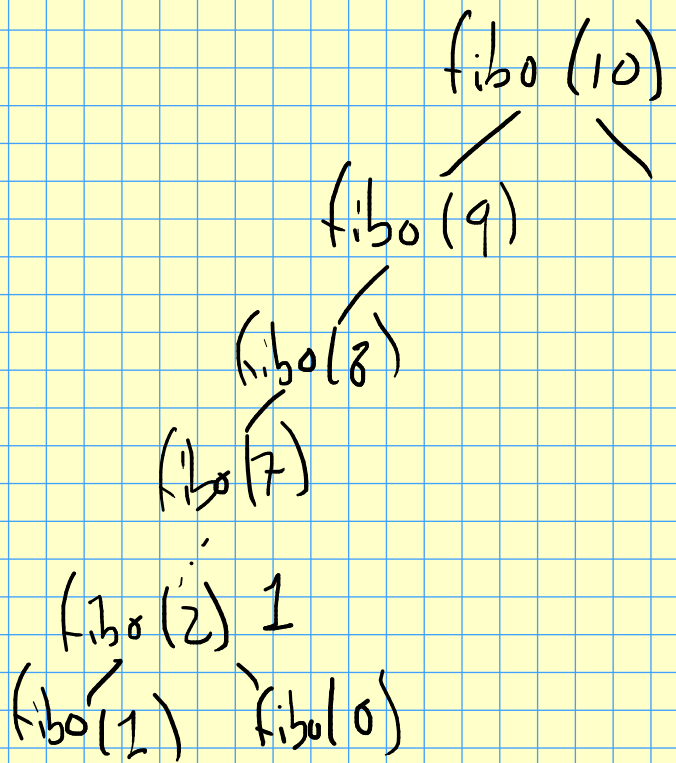
$\Theta(\varphi^n)$ ó $O(1)$

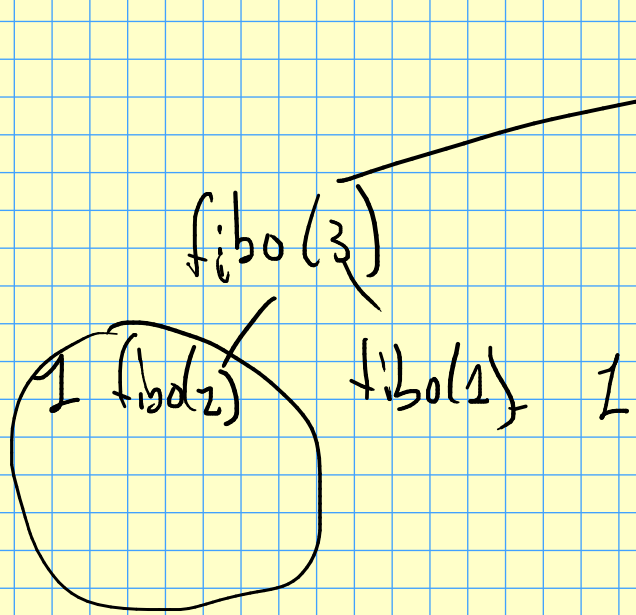
recordar

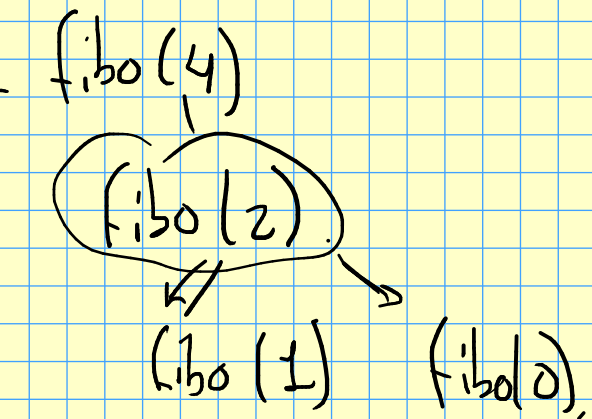
$O(n)$

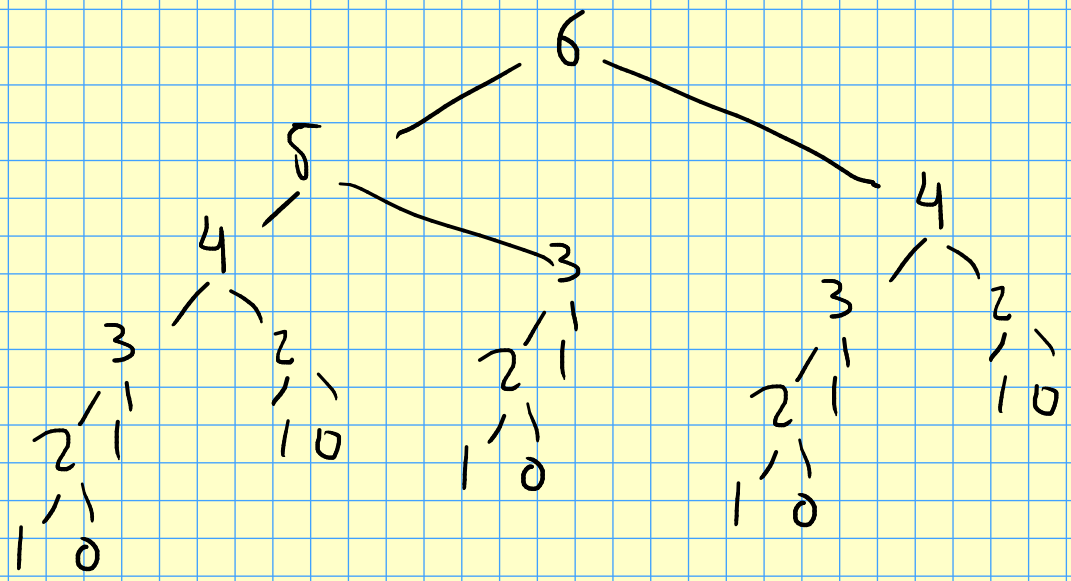
$O(n)$





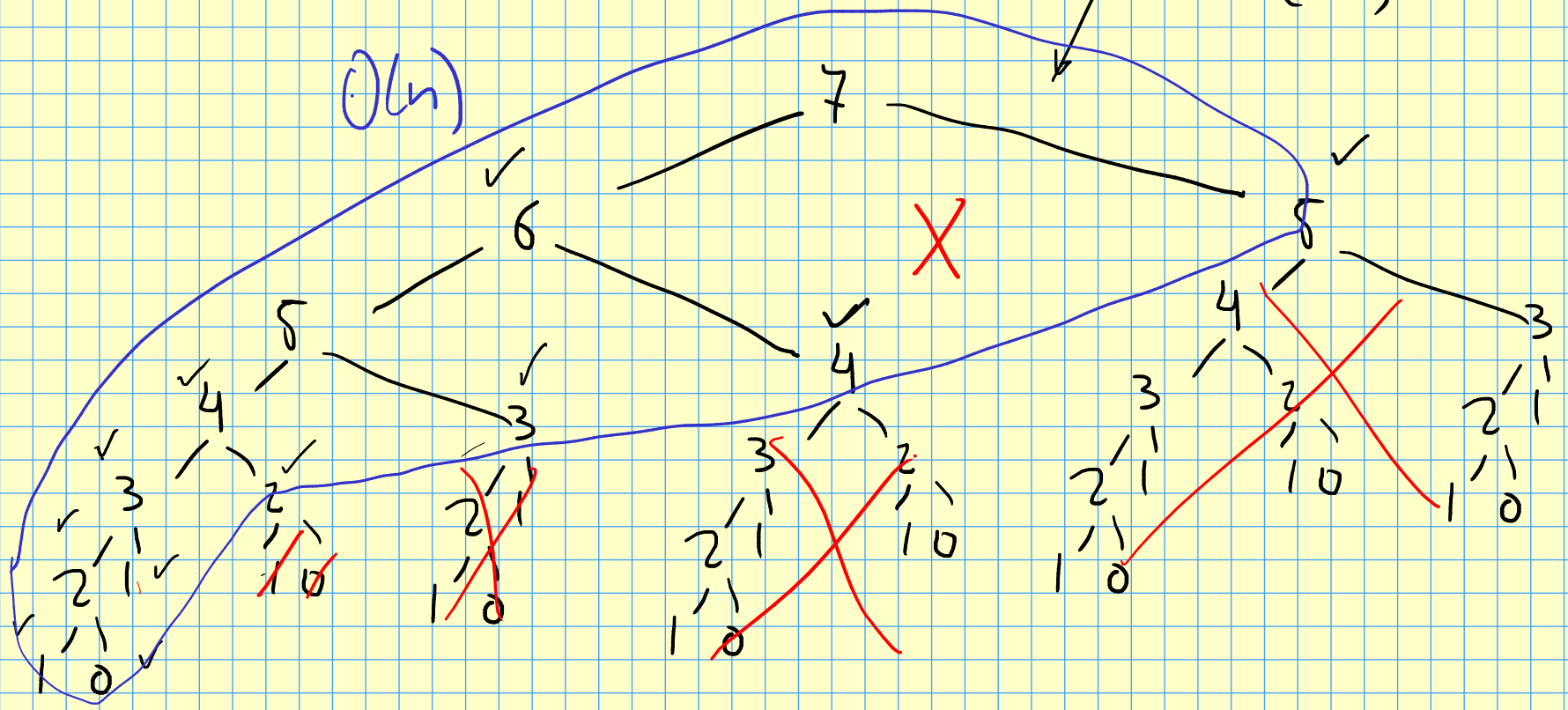






$\Theta(\varphi^n)$

$\Theta(c^n)$



Mucho mejor idea: cada que busquemos un nuevo valor, lo almacenamos. Si lo necesitamos volver a usar, lo leemos de memoria.