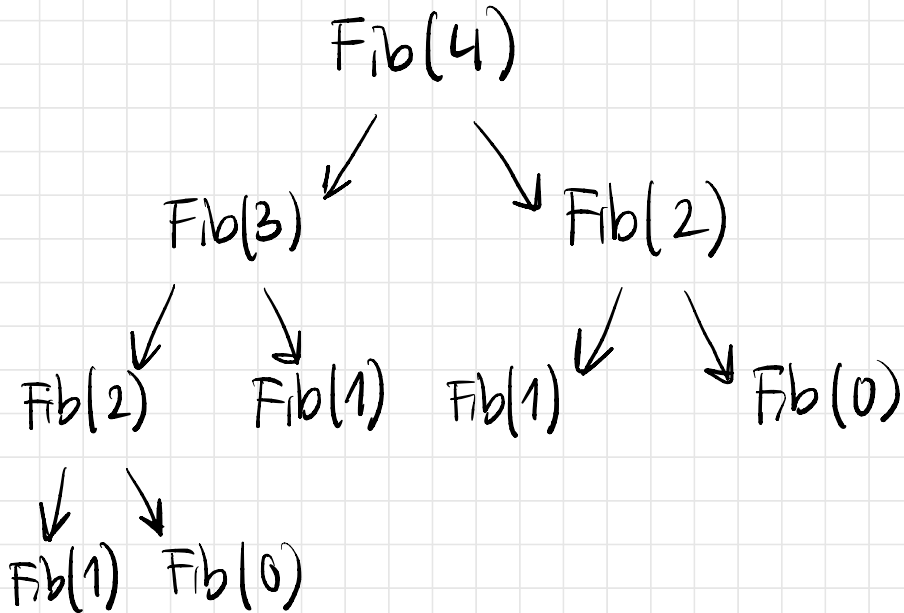
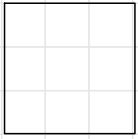


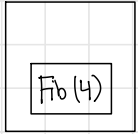
Fibonacci sequence : 0 1 1 2 3 5 8 ..



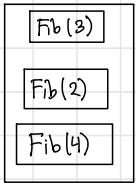
Run-time Stack for Fib(4)



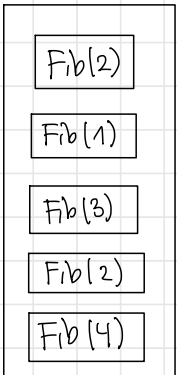
Empty stack



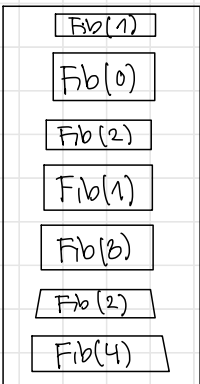
Push Fib(4) onto stack



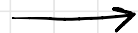
Push Fib(2) and Fib(3) onto stack

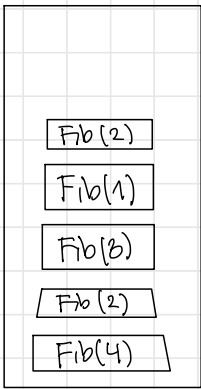


Push Fib(1) and Fib(2) onto stack



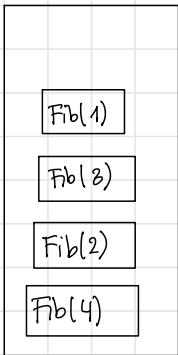
Push Fib(0) and Fib(1)
onto stack



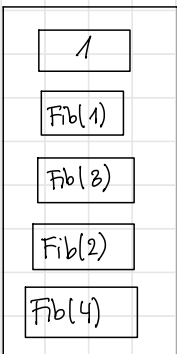


Pop Fib(1) and Fib(0)

Evaluate $\text{Fib}(1) + \text{Fib}(0)$

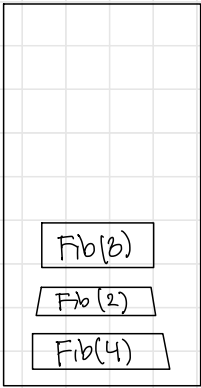


Pop Fib(2)



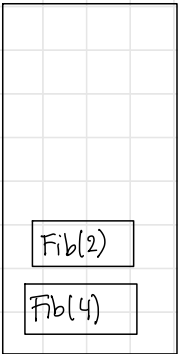
Push $(\text{Fib}(1) + \text{Fib}(0))$ onto stack



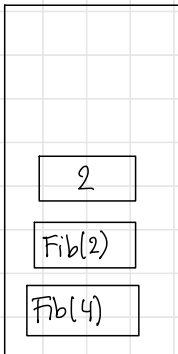


Pop 1 and Fib(1)

Evaluate $1 + \text{Fib}(1)$

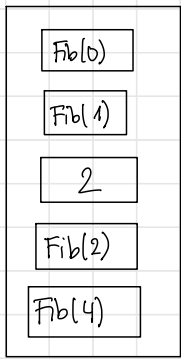


Pop Fib(3)

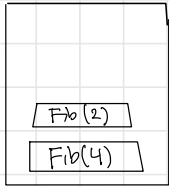


Push $(1 + \text{Fib}(1))$ onto stack



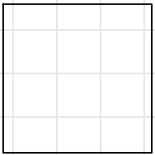


Push $\text{Fib}(1)$ and $\text{Fib}(0)$ onto
Stack

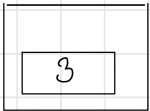


Pop $\text{Fib}(1)$ and $\text{Fib}(0)$ and 2

Evaluate $\text{Fib}(1) + \text{Fib}(0) + 2$



Pop $\text{Fib}(2)$ and $\text{Fib}(4)$



Push $(\text{Fib}(1) + \text{Fib}(0) + 2)$ onto stack

Pop 3.

Output : 3