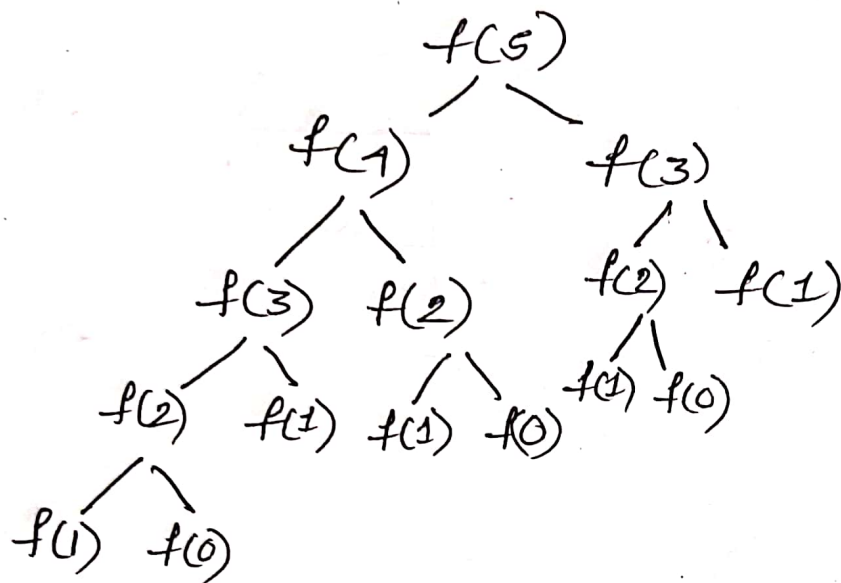


For fibonacci_1 function,
it we draw a tree of $f(5)$,



Here, we can see the function will call itself n number of times until it reaches 0 or 1.
 \therefore The time complexity is $O(2^n)$

For fibonacci_2 function,
the iteration of loop will go on for n times.
It will be only applicable. It saves the previous value and uses it in future iteration.
 \therefore The time complexity is $O(n)$