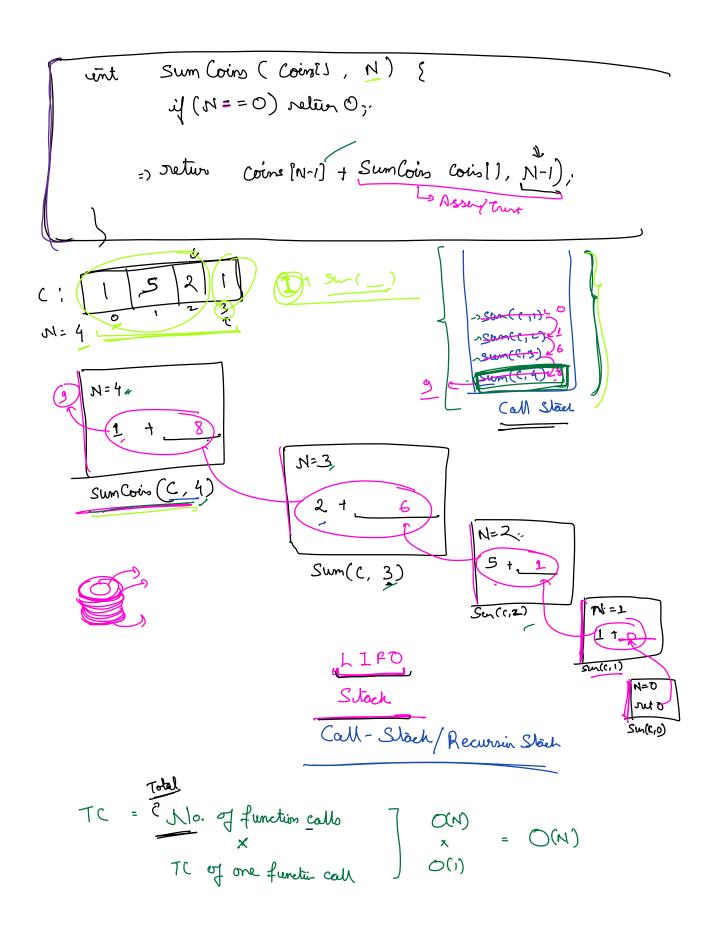
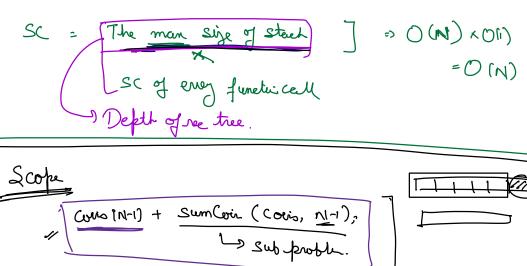
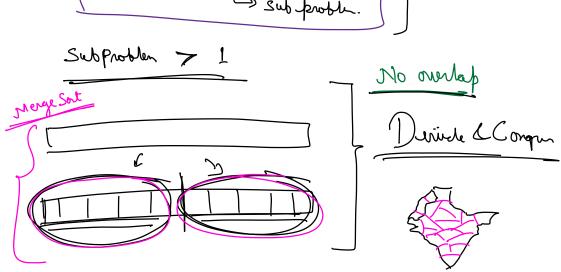


Recursión: A function calling itself.







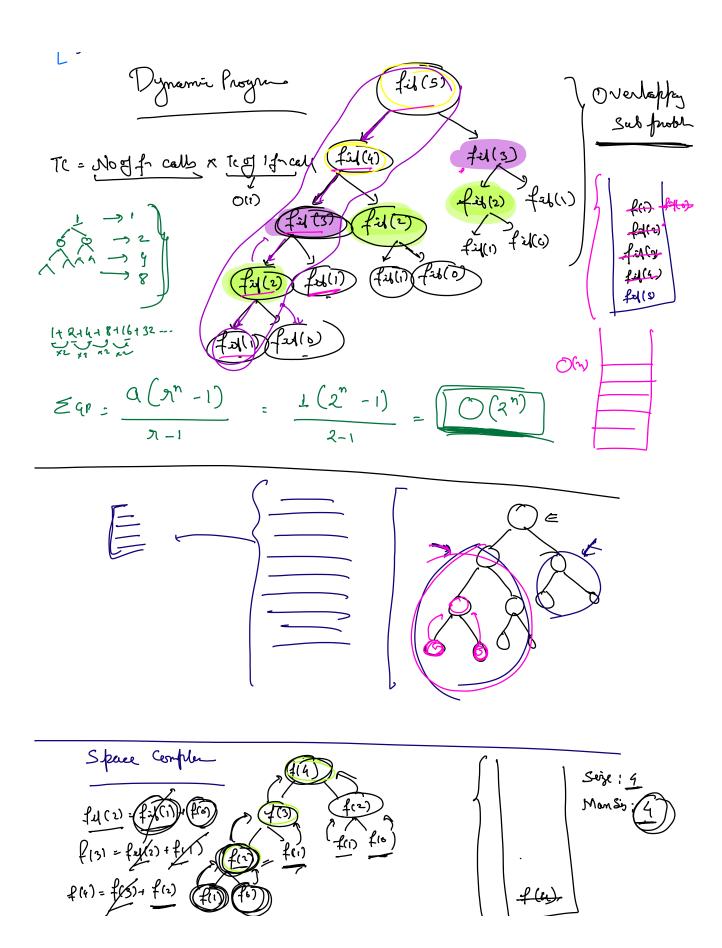
(a) (1) 1 2 , 2 , 3 , 5 , 8 , 13 , ----

Prunt Na Fibonacci No.

int fib (N) {

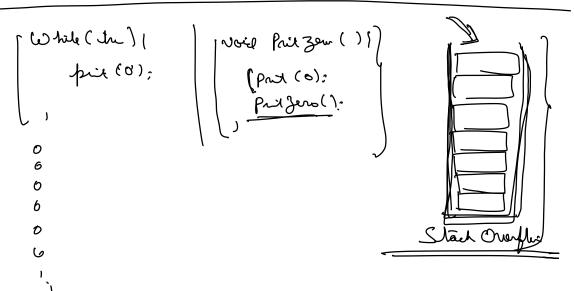
if (N <= 1) ret N;

ret | fil (N-1) + fil (N-2).



3 Steps

- O Assume & trust: That recursin cuit curk for Smaller Sub-probler.
- O Recursive eq: Ret the ans of bugger problem (logis) Usery the ans of subproblem.
- o Barse (Termination Condition



Q Given a stry. Check if it is <u>Palincha.</u>

* Recursively

NITIN

CTC.

IsPalin (Str, S, e)

Assume; IsPalia (smalls sty) will give correct out pub.



ret Is Pal (Strij b/o the)

che

ret falm

boolean is Pal (Sty, S. e) {

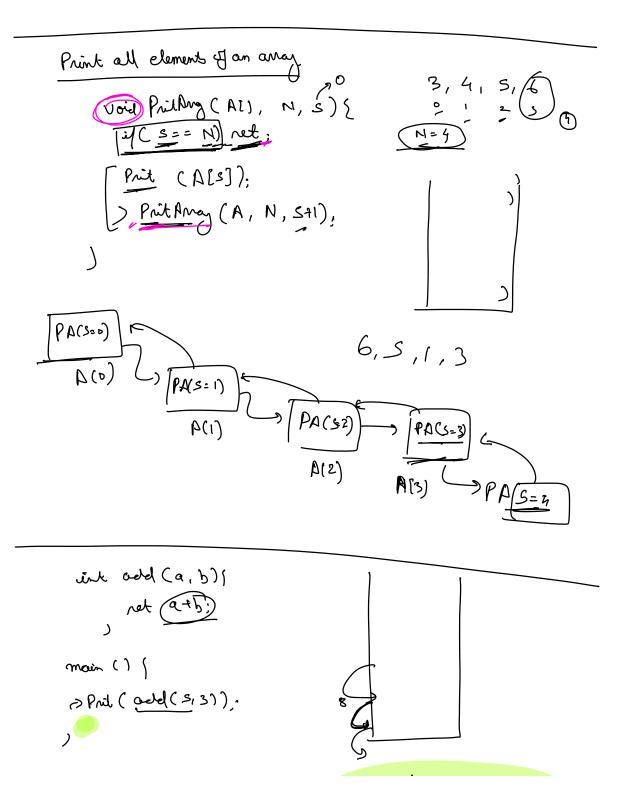
if (STY ES) = = STY [e])

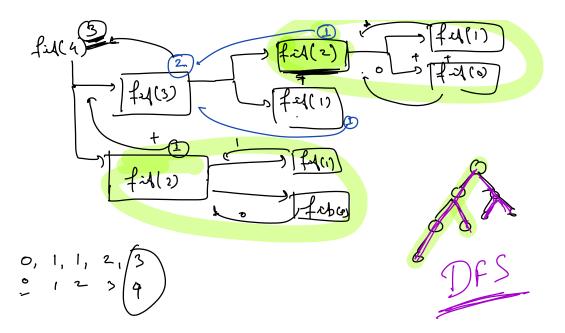
ret isPal (Sty, St1, e-1);

eln

ret fahr;

inPal (stg, O, m-1)





$$fu(4) = fu(3) + fu(1)$$
 $fu(3) = f(2)$
 $fu(3) + fu(3) + fu(3) + fu(3)$
 $fu(3) = f(2)$
 $fu(3) = fu(3) + fu(3) + fu(3)$

