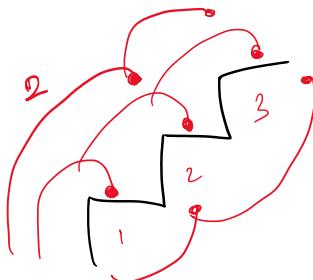


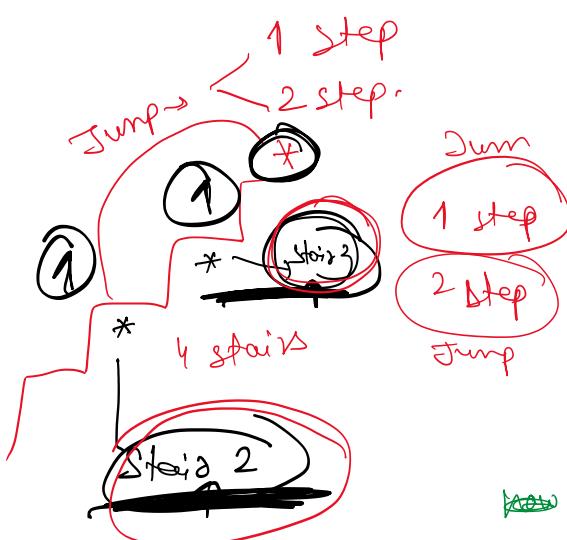
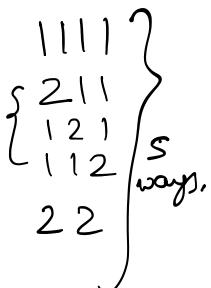
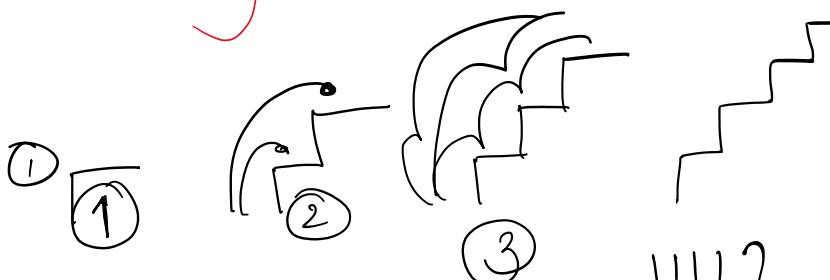
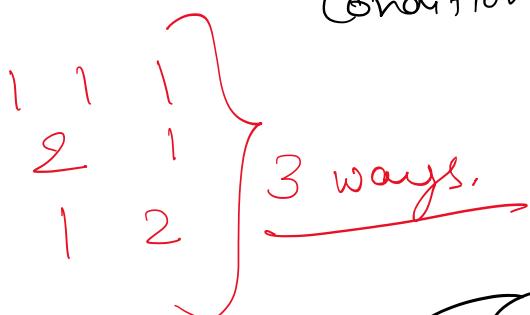
# Stairs



Given  $n$  where  
 $n$  is the no. of stairs.

find ways to climb  
the stairs.

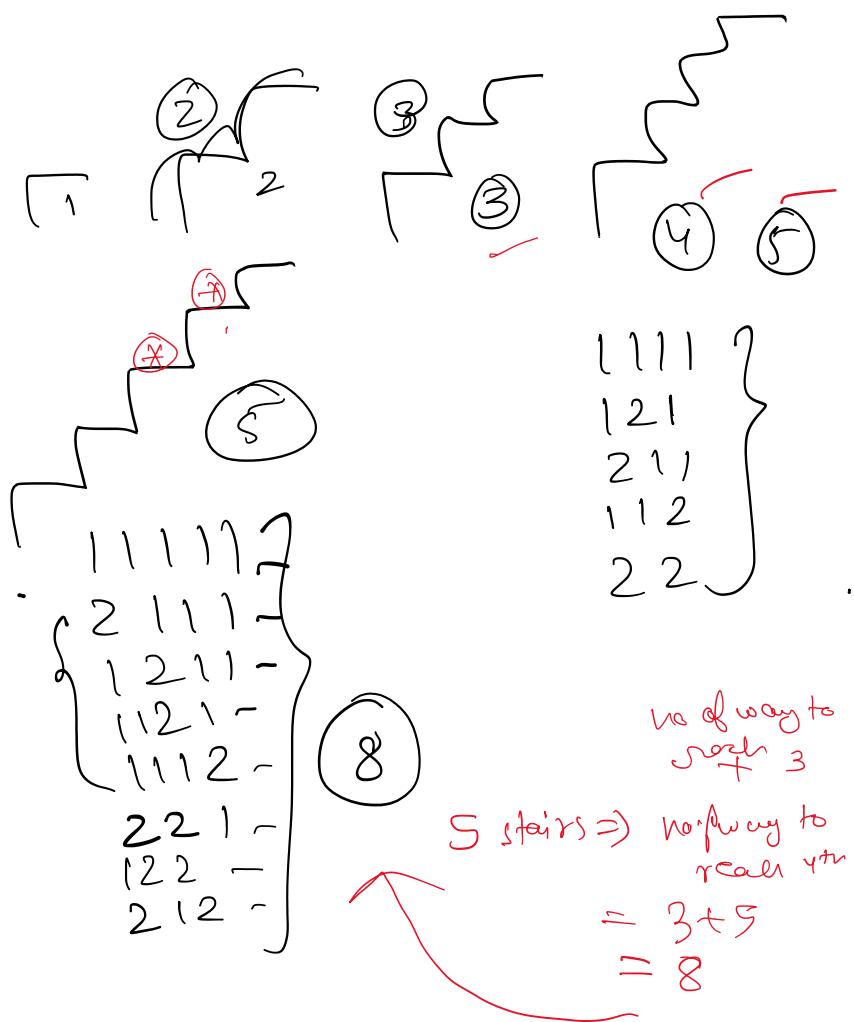
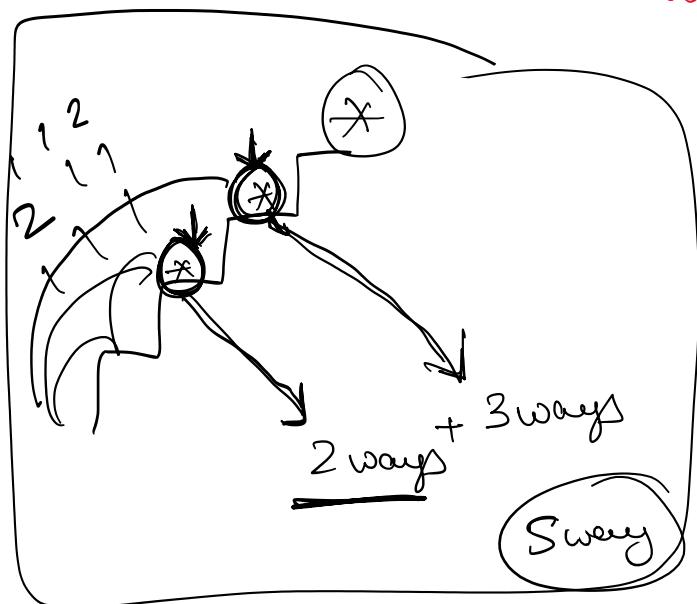
Condition  $\rightarrow$  1 or 2 step  
at time.



no. of ways to reach  
with  $n$  stairs = no. of ways to  
reach  $(n-1)$  stairs

VI - Stair

+  
no of ways to  
reach  $(n-2)$   
position



$$F(n) = F(n-1) + F(n-2)$$

Base condition

$n = 0$

return 1