In Given an array of integers, and a number 2. Wruite a femetion which is recevaux in nature la veture the last inder on which is fresent in the array. Return -1, if it is not fresent. an > [6, 3, 1, 2, 3, 9, 3, -1] 1=3 ans > 6

Base Case  $\rightarrow$  if the whole array has been checked by we didn't few x, return =1. Self Work -> if (arc(i) == x) ??

Assumption - assume of (arr, x, i-i) works

Correctly

f (arr, x,-L

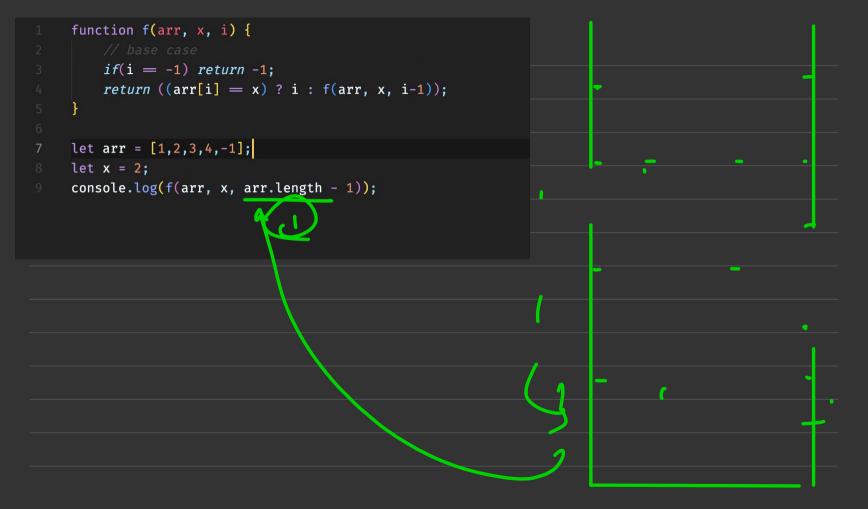
$$f(x) = f(x-1) + f(x-2)$$

$$f(-1) + f(x-2)$$

$$f(x) + f(x)$$

$$f(x) + f(x)$$

$$\frac{2 = i-1}{y = i-1} \qquad i=3$$



Des Crimen a number x, find the Sum of digits of x viewsively: EL 1 2=1234 29010 -> last digit ano > 10 Sum of digits of 1234 digit ans well be > (sumg digits of 123)+4

f (2) = f (floor (2/10)) + 2/610  
the function returns 8 um of last  
the sum of depths of remaining digits

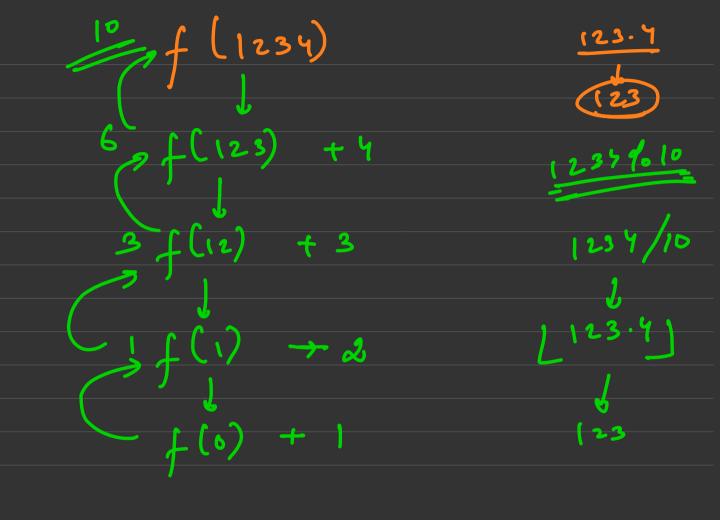
2.

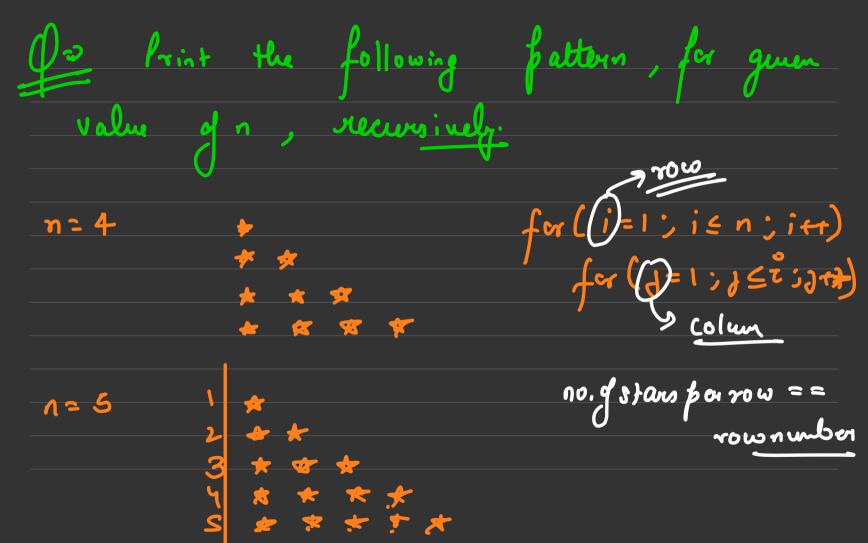
1234 
$$\rightarrow$$
 (123) + 4

Base Cau > if the no. is 0, 8 cm is 0.

assumption > f (floor(x/10)) works correctly

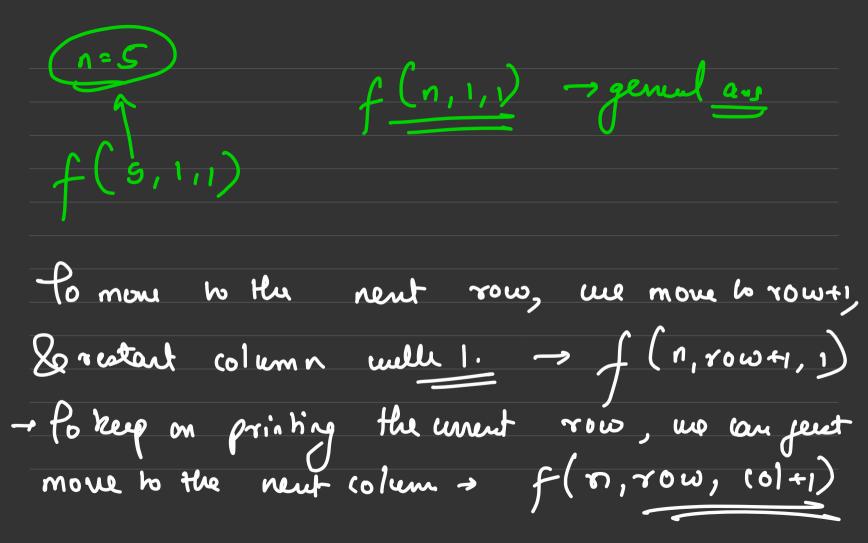
Selfwork = add the last digit to the Sem of remaining digits:

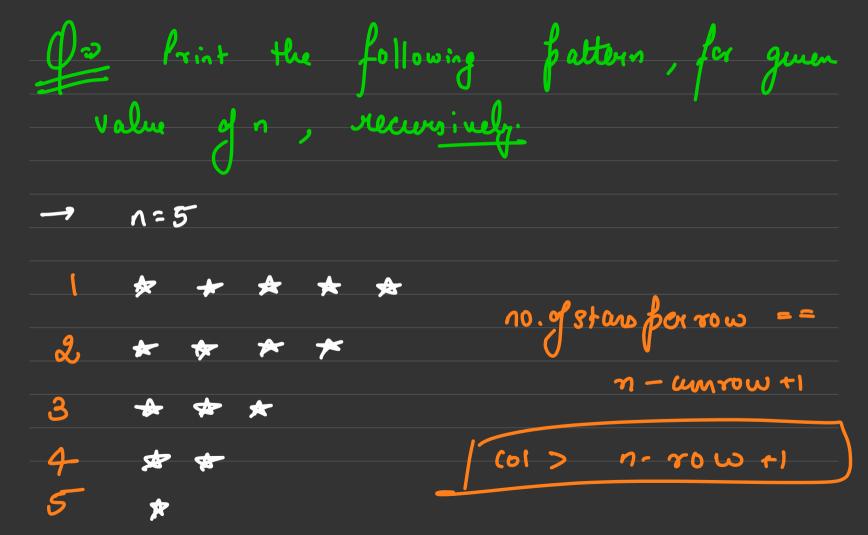




Say me are printing row number 3, when do me shift to row rumber 4 ?? when last when printed is 101 3. ((017 row) - move le rent row.

if (row x (01) ( ans t = "\n"; f (n, row +1, 1) J else ( f (m, row, (01) =) ans += "+" the function prints the pattern of triple store, f(n, row, col +1)n-> total no. of rows expected current row col > current col for the





Do Write a recursive function that takes a string as an infect and returns a new string having all the consecutive du plicates removed. En - hello ans- helo ;== : +1 donot (aus; deci → hellolool anso helo lol Che --- considuci

hellollooll (skli) = skliti)