P=1 Criven a string of length n, calculate if the string is a falund rome or not recursively ??

Ext > NAMAN

I tending

ans -> Yes

while (ic=j) (

if (sCi) != sCj) neturn false;

i++;

NAMAN

SANKET

3 JOIN THE DARKSIDE

falmdrom

C. C2 C3.... Cn-2 Cn-1 Cn
is also a palendrone

(C1 = = (1) and remany string is also a falundrome then we can lay the whole String is a falundrome. XAABBAAX

How (an we solve the frew frob, without vary the SIx-Size() function

Size() function

Size() function

Size() function

The index global and pull the jth index to the last ??

 $f(sh,j) \rightarrow f(sh,j+1)$ (f(sh(i) = sh(j))

global

v=8 4 3

| f (NAMAN, S) | 2 Somehers un will Clillet it is the |
|--------------|---|
| t (NAMAN, 4) | Bour Carles) mil har Long |
| f(NAMAN, 3) | h we |
| + (NAMAN, Z) | huy_ |
| f (NAMAN, 1) | houe |
| f (NAMAN, O) | |
| | |

i: 6 / 2

A BBXCBA

how toler

Les for an input of n, brunt the following pattern recursuely.

for any ; the row > colic [7,i]

for (10 w=1; 10 w 2= n; 10 w +1) {

for (col=1; col <= 70 w; col+1) {

print (*)

}

for (101=1; col <= r; (al++) (f(m, r)print (*) thus func' points the print (\n) Patters from the row f(1,8+1) to the nth row. Bon > if (ron) my self work well be to point 8t was for the f(n,i)oth row.

f(n,r,c) Prints the pattern rom 14,000, c4 (0) to the nth row & nth cof

if (c>8) (print (1) f(n, 8+1, 1) Print (+) f(n, 1, (+1) Base - Care 1f (& >n)

f (4,3,1) f (4,2,3) f(41212) f(4,2,1) f(4,1,2) f(4,1,1) Mau

$$f(n,r,output) = point (output)$$

$$f(n,r+1,output)$$

$$f(n,r+1,output)$$

$$f(n,r+1,output)$$

$$f(4,3,***)$$
 $f(4,1,2,**)$

man

f(n, r+1, output + "*")

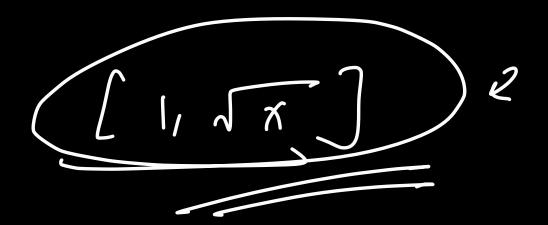


1,2,3,4,...-

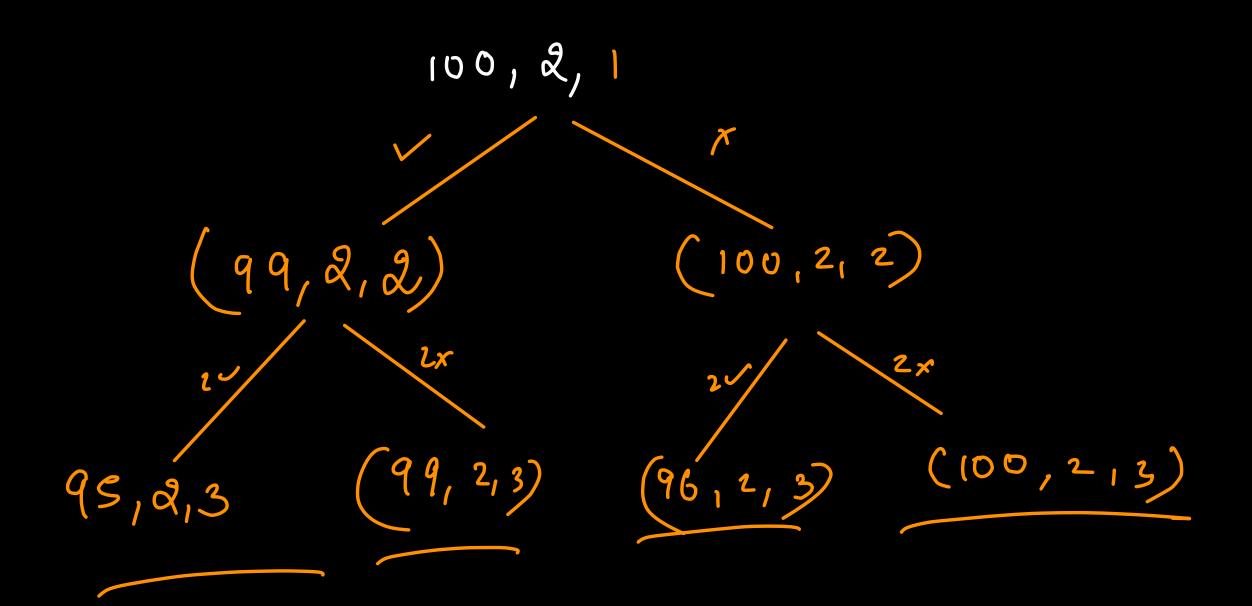
The natural no.'s that can been up to x, well be

en the range [1, x]

N=10

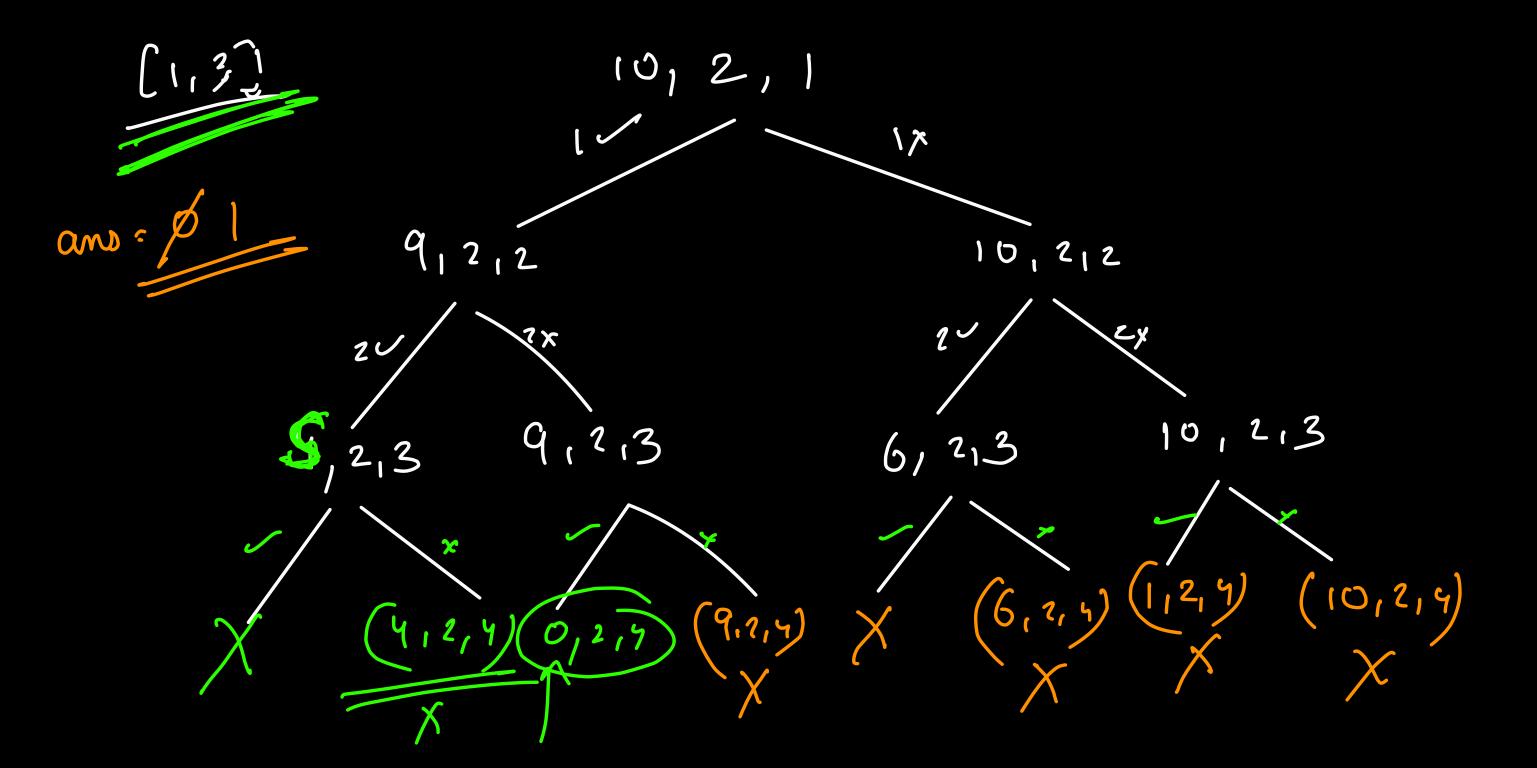


 $\begin{bmatrix} 1 & \sqrt{x} \end{bmatrix}$ Low many combinations of no.'s we can have buch that Sum of N the powers of that no. is ephal to x. $[0] \longrightarrow [1, \sqrt{100}] \longrightarrow [1, 10]$



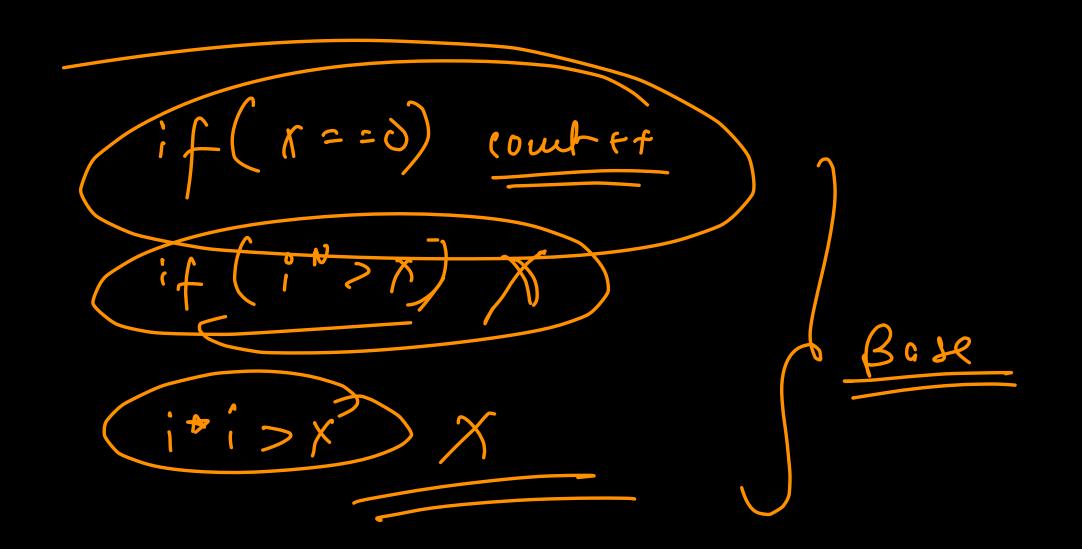
Try 10 reduce the froblem 8 web that it becomes

Sembor to Subsequences



$$f(x, N, i) = f(x-i^{N}, N, i+i)$$

$$f(x, N, i+i)$$



 $f(x, N, i, out) = f(x, i^{N}, i+1, out)$ f(x, N, i+1, out)

Pow (",")

V = 1 17 closing ()() (()) N= 2 ()()() 1=3 (())(5 (()) ((())) (c)Cerey inder are balan ced Can cether add an Pointing

f(n, 0, c, output) = if(o>c)cf(n,0,(+1,0utput+")") if (0 4 n) (f(n,0+1,c,output + "(") if (c==n)

point (output) Base Case

JOIN THE DARKSIDE

