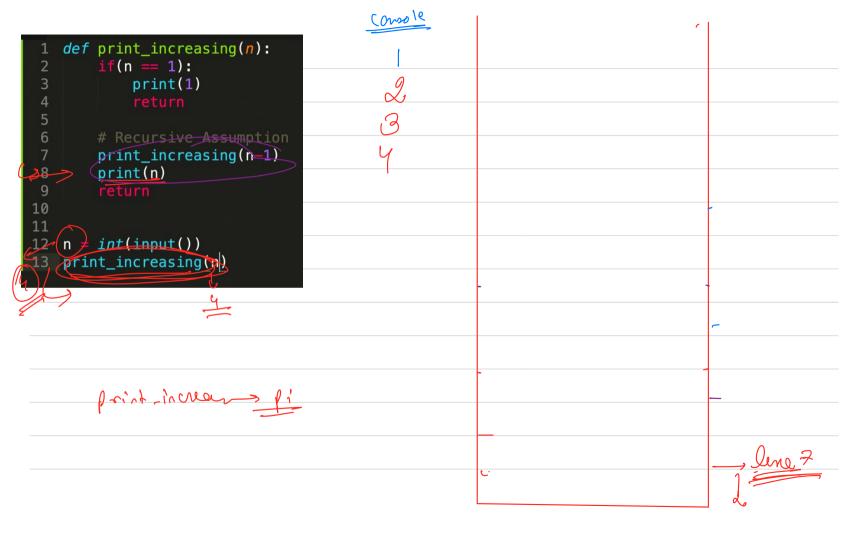
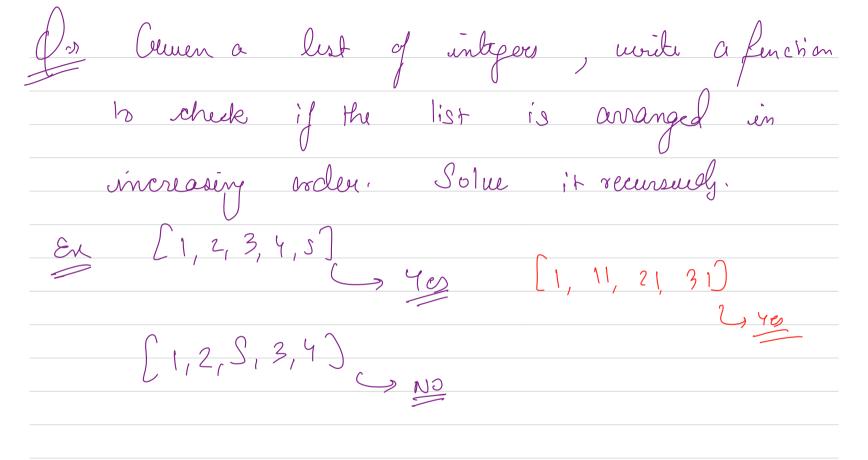
Cruen a number n, print all natural nos till n. Code the Solution recursively En n= 4 Base Case (a) Recursium Intula Selfwork

Print (n) asseme this works



L'a Cruen a number of frent all natural rois
tell of in decreasing order. Solve it
recursuly assum anghow you're able to print (n-1) - de orde Duell frist nyself befor

Print(n) e before (4-1) works 90 in de order

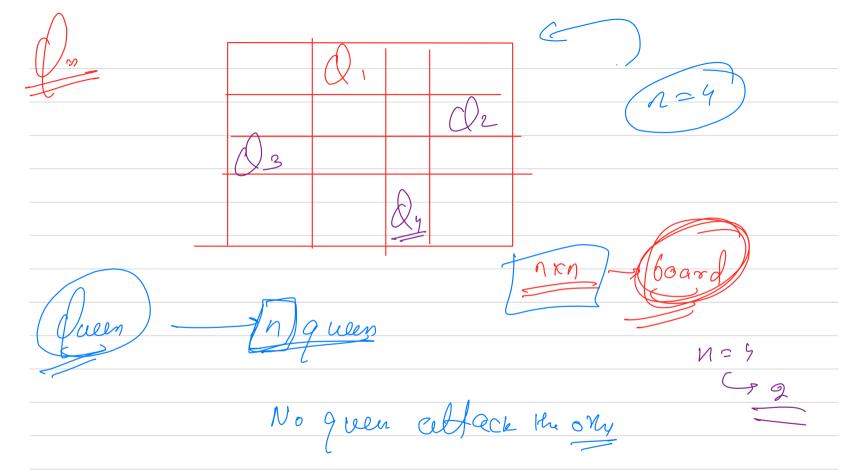


2, 3, 4, 5] ofte if (dili) \link) riturn false wooks i== len(li)-1

```
def check list(li, i):
       if(i == len(li) - 1):
            return True
        isarrangedcorrectly = check_list(li, i+1)
       if(isarrangedcorrectly == True):
           return li[i] <= li[i+1]
       else:
           return False
11
12
13
   n = int(input())
   li = []
   for i in range(0, n):
       x = int(input())
17
       li.append(x)
18
    esult 🕒
            check_list(li, 0)
    if(result == True):)
23
       print("Yes"
24
   else:
       print("No")
                                                                                  . 0
                                 9;=[1,3,5,8,10°
```

```
def check list(li, i):
        if(i == len(li) - 1):
            return True
        isarrangedcorrectly = check_list(li, i+1)
        if(isarrangedcorrectly == True):
            return li[i] <= li[i+1]</pre>
        else:
            return False
10
11
12
13
   n = int(input())
   li = []
   for i in range(0, n):
        x = int(input())
17
18
        li.append(x)
    result = check_list(li, 0)
   if(result == True):
23
        print("Yes")
   else:
        print("No")
25
```

 $TC \rightarrow O(n)$ 



from any step, you can celler femp by I step co 2 In how many different ways you can reach the

- Base Com - Selfwork Recursion C2-3)

Console def ways(n, i, path): # i ->integer -> represents where # path -> string -> store the pat if(i > n): # if you have made an invalid 6 if(i == n):# this base case shows u r print(path) 10 return 🤊 11 12 <u> </u>ways(n, i≱ path) path) ways(n, **/**i+2, n = int(input()/) ways(n, 0, "")