Le unson some work solve a sub-problem fact(n): n \* fact(n-1) we keep breaking into sub problems

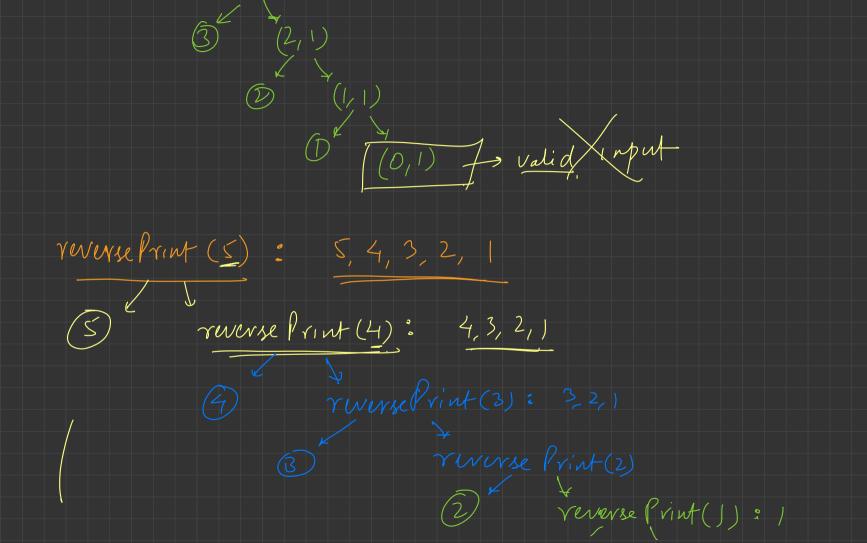
we need a base case // stop ping case otherwise: infinite toop Calls fibonacci Series: f(n) = f(n-1) + f(n-2) n-h

1 toN in wearing order: print Sevies (1, 7.): (1,2,3,4,5,6,7) (fact (1) F 5(9) Print Series (2,7): 2,3,4,5,6,7 PrintSeries (S, 7): 5, 6, 7 increasing order. 2.) Want to print values Print Series (a, 6) a -1 b- N

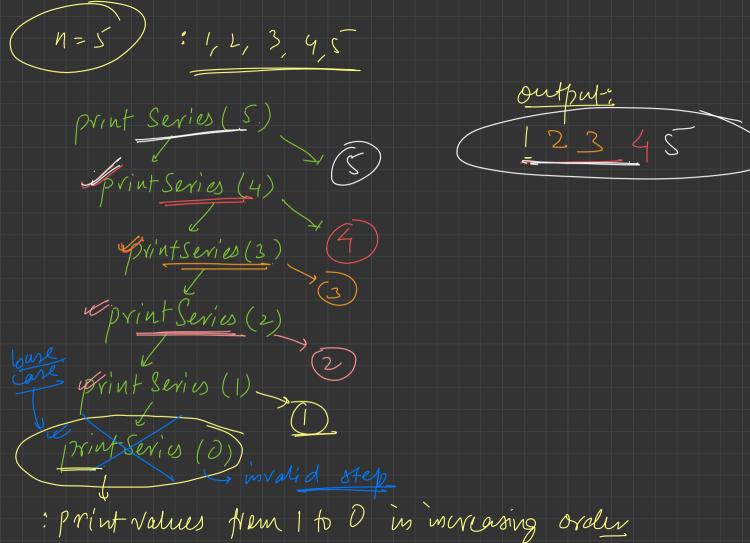
Print Series (1, N) 1, 2, 3, ---, N Print Series (S+1,e)

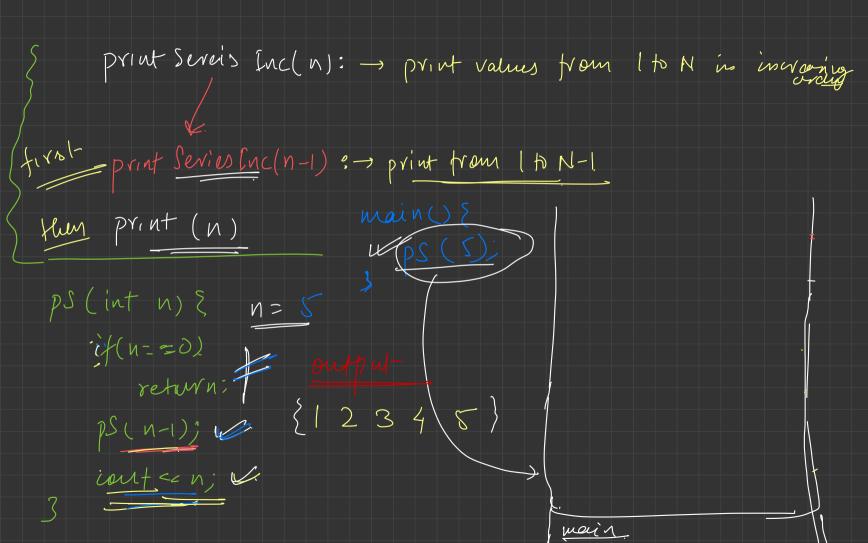
fuct (4) Jact (3) fact(2) invalid fact(1)

in deserreding order print Sevies Ntol contec N print Sevies (N-1,1)



rwevse rint () reverselint (n) cont < n; supproblem verse frint (n-1) vock à increasing printusing only one variable print Series (n); 1, 2, 2, -.., n-1, n





Q. Check if an array is sorted, recursively? 5 check Sorted ) arr = {1,2,3,4,5} n=5 check sorted how to check if sorted !!

Sfor i-D to n-2 & if (arr[i] > arr[1+1])

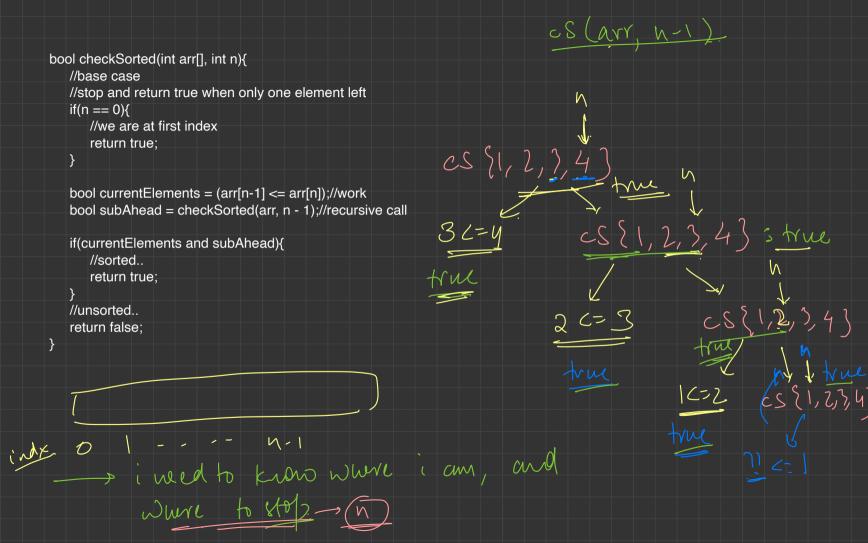
= mot sorted

to check if the array is sorted, I not yould to compare consecutive elements frue sur check Sorted (arr, n): true check {1, 2, 3, 43 - overall sorted 1 <= 2 Theik {2, 3, 43 Check { arr, n} -> compare first pur luments } true

check sorted (arr after first element) check Sorted (arr, 1, n) if (arr[i] <= arr[i+1]) if (checkSorted (arr, i+1,n)) arr= [1,2,3,43

-) sore Whene [1,2,3,4] 5 true 3 <= 4

arr = {1,3,2} : not-sorted : fedse . true/Salse



i know where I am, & right to left to stop index -10 D. Calculate sum of array using recursion D. Convert mumber to words.

163: one six three : using relation D. Bearth an element in array wing recursion multiply two members using recursion D. calculate power voing recurron (try efficiently)