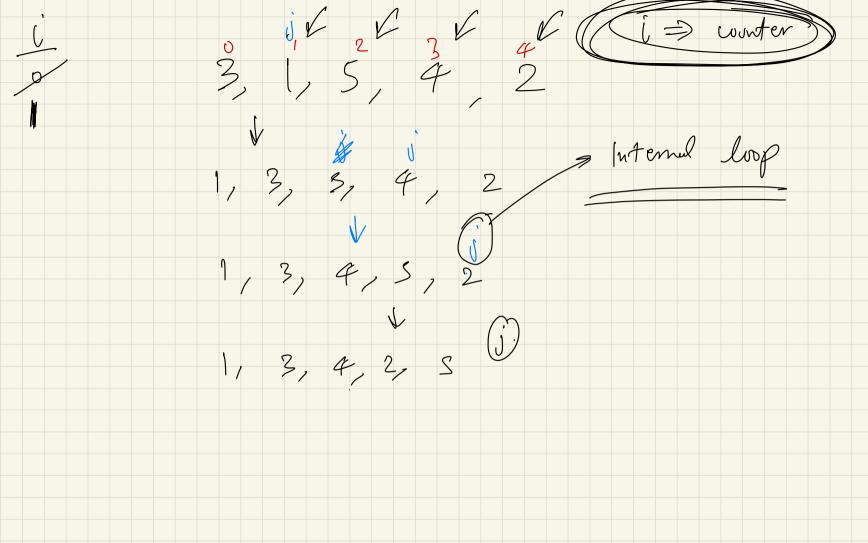






Burste Sort Why? with the first pass through the array the largest element come to the end.

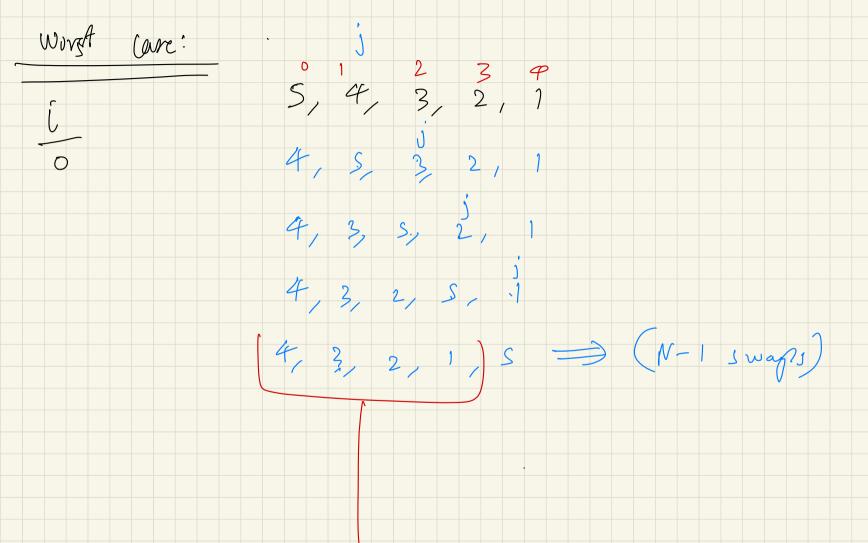
with pass no. 2 2 largest element from lost l'indea Aka Sinking Sort/ exchange sort

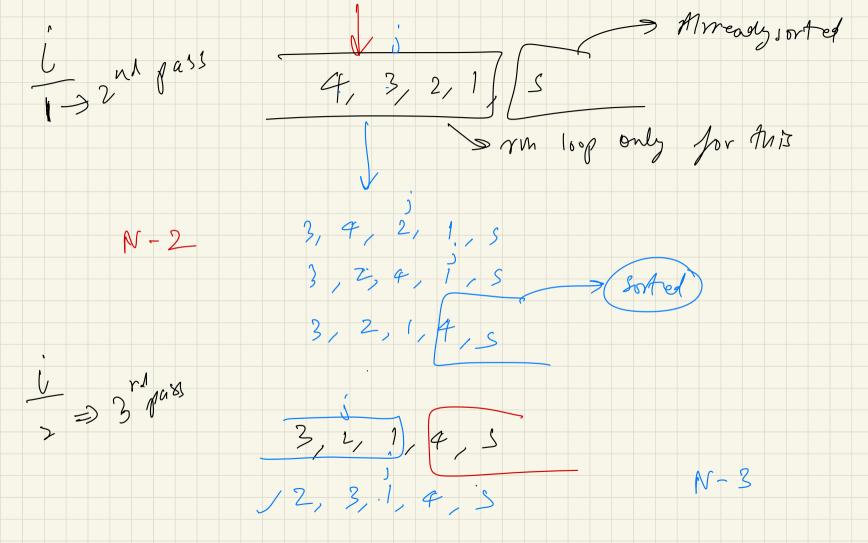


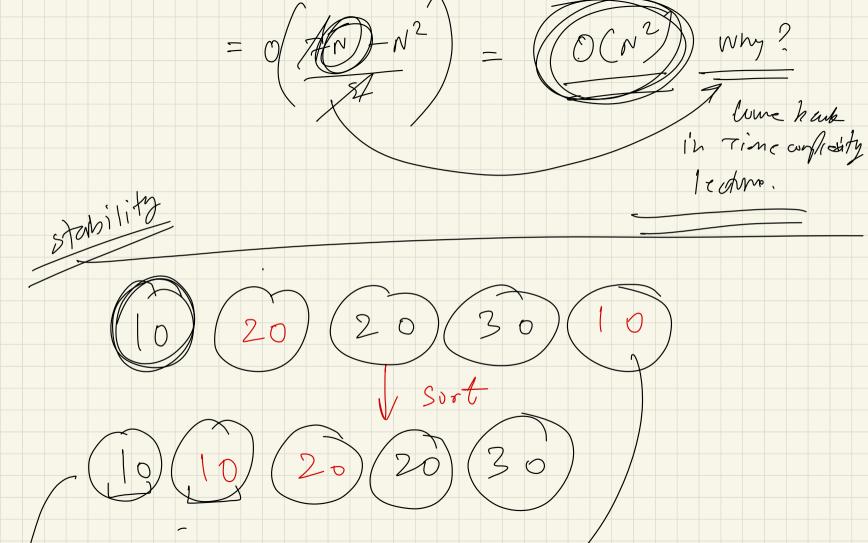
for i=1 // second pass 1, 3, 4, 2, 5 < length - j = 5-(=<del>4</del>) 1, 3, 2, 4, 5 L= len-1-1 11 Mirt pass 1,3,4,4,5 len-i=5:2 =3 j will only hear > This is alwedy sorted 1, 2, 3, 0, 5

Spare complexity = O(1) // constant // no extra sparce required i.e. sorting algorithms. Copying the array, etc. Time complexity: Best (are: O(N) => Sorted No of companisons. E Sorted in 10,000 xx 2500 100 X2 50 (30

As the size of array it growing, the noof companions Best Cose = 1, 2, 3, 4, 5 gnve. 1,=0 in pass when i never ewaps for a volvo gi it meens array is sorted, hence you can the program. Best companison = (N-1) > In time supressity )
unitamets one ignored.







In infinal corrago black half of 10 nas before red half of 10. And in the Sorted one this order is maintained. 9/10/20/20/30)=3