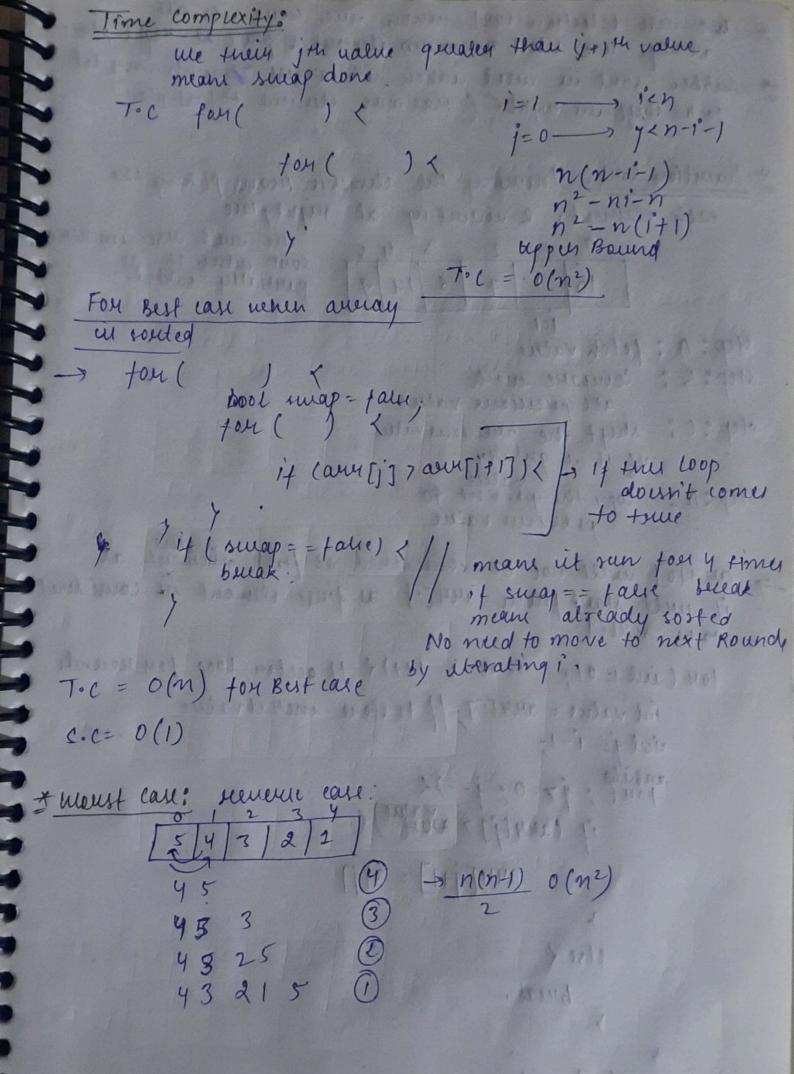


S. C = O(1) as we don't weate any extra space. Space unide the function. The se doesn't depends upon the virgues we take * NOH : It depends upon the extra space we created in user defined functions for every it round the ith eleminder well be compared with (+1) the under if index il greater their (+1)th under their moves to right SR: Sub-Round 6 175 XNO 2 SR:2 1=1 1=2 576 NO. SR:3 1=21=3 673 Yes 32 17 11 11 11 11 11 11 11 to Barral at c 1=31=4 372 701 3 114 MINS TO MILL 154 155 377 NO New 7 max element us present 415at last 0123 7 2 Ca fix 1=0 135 NO Some

R: 1 -> 9 Hmu 1 loop mens R:3 - 2 Hma R: 4 - 1 Hme K:5 - 0 Hmu outer loop unner loop no lot round ! ix n; i++) < // outer ten (inti=1; ato went here & for (in) = 0; j = = n-i-1 , j++) < if (auti) > ann(j+1) / Thenne loop to cheek How man time companison swap (aur [j], aur [j+1]): Done ju under & (1) the under suiap pullet Mone offenized may: But come un souting: It an array is already souted no need to cont. tou (unt i= !: i in : i+t) {

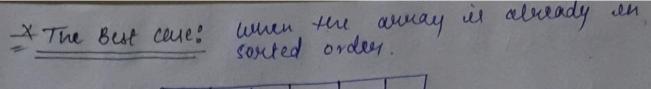
soopett smap = fall.

for (unt j=0 ; j = n-i-1; j+t) { if (aux [j] > aux []+1]) { smaple atrice avoisible if (sureprefeulse) (R1 [SR:) 4 simer 11 abiliary souted bulak:



3100/= 15000

ale une selection wort when we have small averay. we retest minimum element & place at night place subble roset in used when it langest elements meded to be shift in eight. (Maximum elevent to last place) - Invertion Soul: Inverting the elements. mans picking the each elements & unverting at sughtplace. 10 1 7 8 14 9 partially soluted. step: A: fetch value step: B: Compare with all pullicus value. step: C: shift the pullious value of it is gestater. copy the practices to pullan value it will start from austi] as first element is considered tox (unt i= 01; ix n; i++) < 11 outen loop four recende int value : aut [17] | le store unital value. rient j= 1-1; ton(; \$7=0; j--) < if (aus [j] > avant) { aus[j+1] = aff] else (bruat: aus[j+1] = value,



[1]2]3 4 5 6 X 1=1 X X X

As wile see every previous value is less than current element their it will curch tills times

Toc= O(M) s.c= O(1)

* World (all: for (i=1; i<n; i+t) $\langle -1 - 1 - 1 - 1 \rangle$ for (; i>=0; j-) $\langle -1 - 1 - 1 \rangle$ $\langle -1 - 1$

T. (= 0(n2) S. (= 0(4)

0(2)