Arronfing numbers in the particular order. D Bubble Sort (n-1) Herations Suppose [4,1,5,2,3] N=5, N-1=4) Iterations adjacent numbers 4:4 comparison 2 1=2 3 1=3 1 121, 14235 12345 12345 41523 Push He largest 14523 14235 123451 Number to cos 12(345) by Swapping 12435 14523 123(15) 14253 1423/5 Pseudocode for ( i= 0, i< 1-1; i++) T.C Corner caser - bool isowop/= faese; If swapping is done issuppl= True Then if (lisswap)
"orray is sorted"

2) Selection Soft sorted unjointed [4,1,5,2,3]  $\frac{40523914503-912543912345}{305} \rightarrow \frac{12543912345}{305}$ US 12345 Beudocode for (i=0; i <n-1; i+t) }
int Smallest Index = i or (j=i+l; jcn;j++) { swop (orrti], arr[si] (Ascerding) Descending Inver 600P

if (anti) contsi)

si=j

outer 600P for Sorted

part

Swop (anti), ours[SI]) Smaller F Index

11/19/5) ] 3 wellion Sort
Suppose (
[4,1,5,2,3]  $\frac{14523}{5100}$  coll = 5 Drew pres 12453 corr=2 2345 pres 12345 Pseudocode for (i=0; icr; itt) {
corr=i; prev=i-1; while (prev 7=088 4 > 1 A [prev] > corr A[prev+1] = A[prev] prev--; <-1 4-7