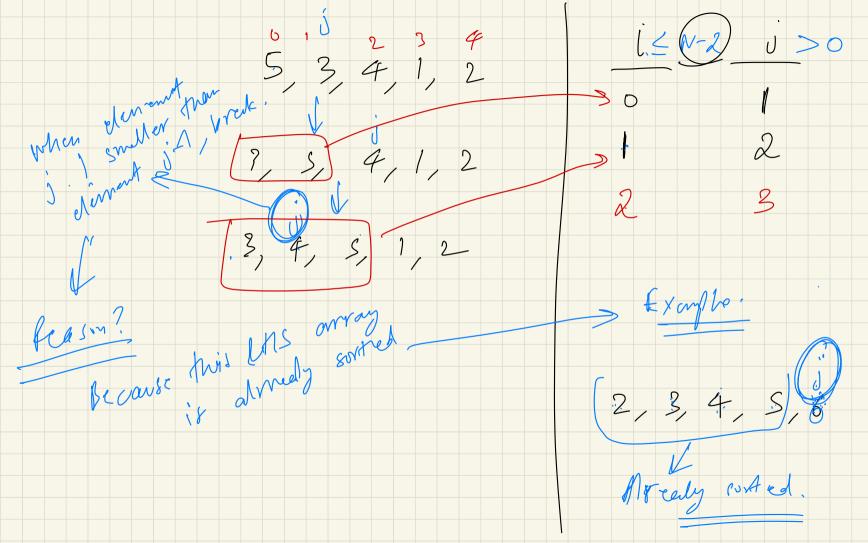
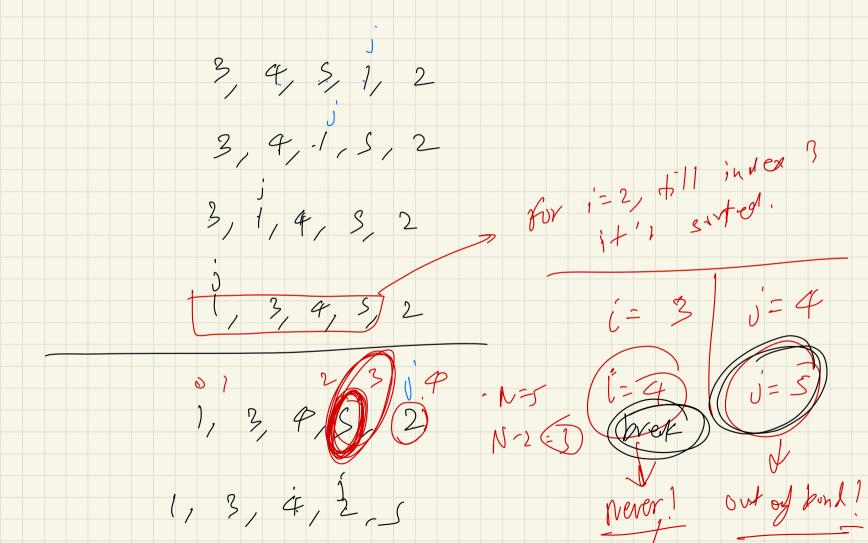


Insertion Sort For every index: Put that index element at the correct inde

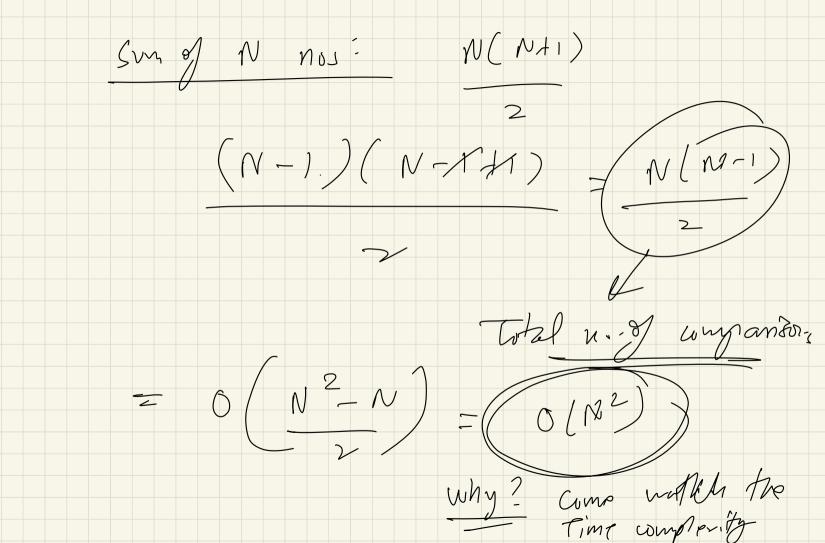
moler of much To wat every on for Sort array till e pass no. Sort away tille pass n. 2 index. 2 pass no.





1,3,2,4,5 Henre, j - N-2 lenne, j - N-2 lenne, j - om 1,2,3,4,5

 $O(N^2)$ Worst Corse Lomplexity. No of elements, (desc siArd) 5, 4, 3, 2, 1 2, 2, 4, 5, 1 1, 2, 3, 4 2,3,501,5  $1, 2, \ldots (N-1)$ 



Array is alreday Softed. j j j j 2 3, 4, 5 (N-) Confining my use it? Steps get reduced if among is softed.

M. of swaps reduced as confined to

milit sixt. A deprive # Stable \* Void for smaller values of N > worly good which I away is powerfully sovted.) It takes pont in > It takes pont in hyporid so Airy cal grov, thus.