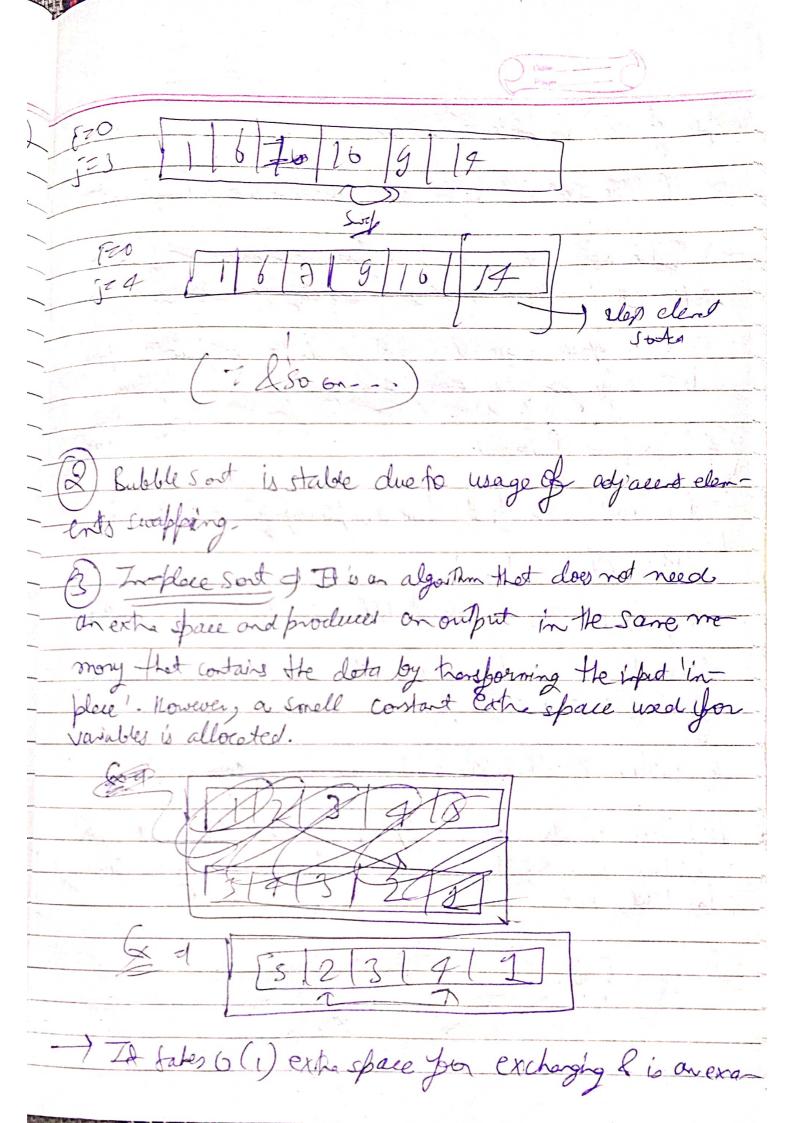
Because If mostly we see always no strong loop at Zero index to the less than n'index



- But in Buldle sod, we need to Check (O to n-1) belows we will compare the elements at cured to the next element are not readed to check use the loop it makes as an saled sportor from right a side to left after the loop. -) 2nd loop we used as 0 to (n-i-1) because every Noteral Ending Index are keep lessing that but needs to The that the source as to the loop rope to from 50 100 O tok (m 1) & 2 md loop O to Low 2 2nd 6 the (n-i) are unby as san been the due to changes the index form at starty 300 The Dry Ren for detall.





orple of an in-place algorithm. En Bubble sad, selection sort, insertin sort heap sort -) Quick soit uses extre span from remorshe and function Calls. It is collect in-place according to loround definition as extra space required is not used to maripulate inforts

Lot only for recursive calls.

[6 (2) < 65 < 0 (log N)) (some among as V panel)) What is the best time complexity of bublde and 9 Ans. N(-dN) 11) Addume that we like Bubble Soit to Word worther elements in asceding order. When does the best case. & When elements are sorted in uscarding order. The number of Swappings needed to Sont He.

numbers 6, 22, 7, 9; 31; 5; 13 In ascending order, und

loudoble sont by

