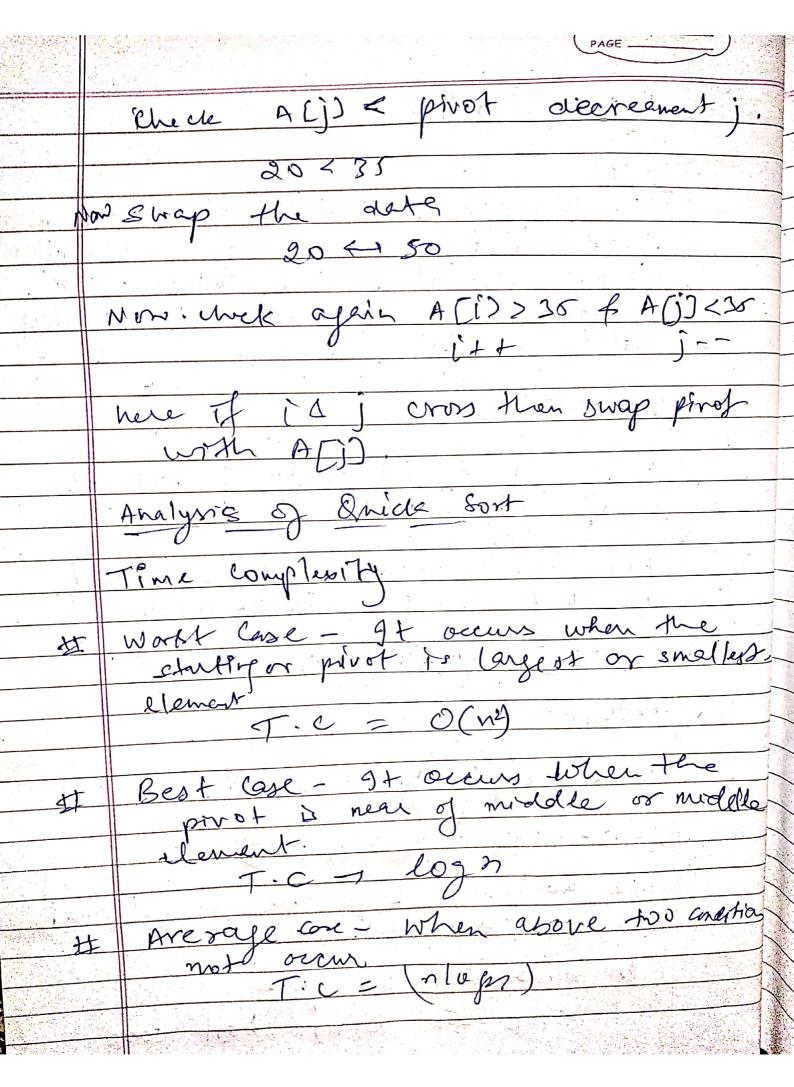
Quick sort + Bubble Sort Quick sort is an algorithm of the orivide and loger type. The problem to will be sorted into two smaller logic 30/20/10/5/9/17 value < 30 value > pinot for General Case Time complex ity = T(n) = T(n/2) + T(n/2) + th 2 2 t (m) f h Explanation with Essample 0 1 2 3 4 5 6 35 57 15 2 80 20 90 ACJ ACJ if A[1] > prot then increament i here 50 > 35 (stop here)



Bubble Sorting Logic

Compare first two elements and
if the left element is greeter than
right element, then swap their
position and continue the same till
the end of Array. Algorithm no of elements values Ninth Repeat for round 123-N-1
Repeat for 120,1, -- (N-1-round) If A [i] > A(iH) then savey Feturn. Time complexity = 0 (n2) To reduce Time complexity We have to skip the round that we already sorrcel. In this way we get T. c => O(n) bot cose