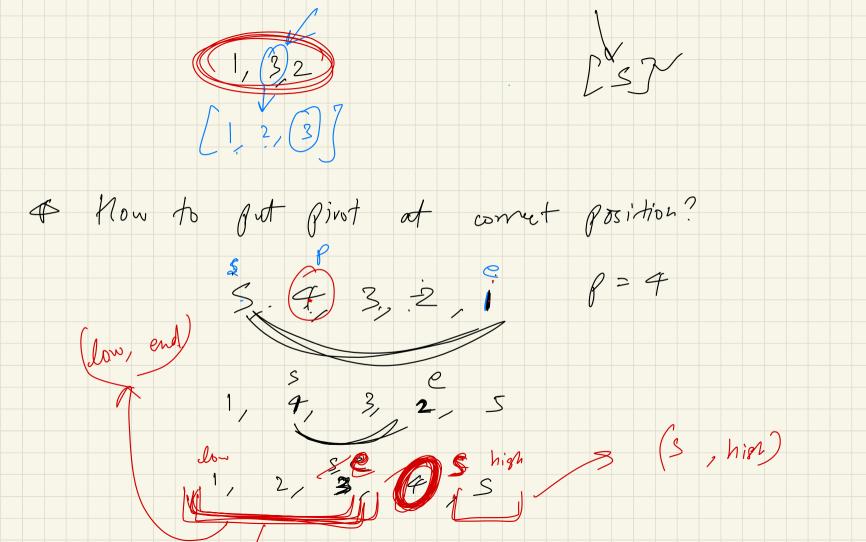


5, 4, 3, 2, 1 of Pivot: To Movse any element - ofter first pass all the elements < p will be at RTS of p. what 7. 5, (4) 3, 2, 1 1 1 2 , 3 V 1 , 3 , 2 , E , (5)



23)
while # Be? > p

Shigh)
Shigh

high (lås, Th) men's I dow & high tells us which port among you are warking or flow to pick pivot: & Randon dement A Corner element & pide the minde element

= T(k) + T(N-k-1) + O(N)worst cone: 9,9,20,34,18

Commed in detail the 0 (NI082) derivation of the exact forms. & S&T anthon Notes: & Not Stable (already worked in initial sorring videos) i.e why preferred for among intred of ms. & In-glave ms takes o(N) extra spare in linked lists down to memory allowation > # MS is better

Hyprid soliny algorithms (fin sol): Merge Sort & Insertion Sort Wirk well with pandruly sixted data