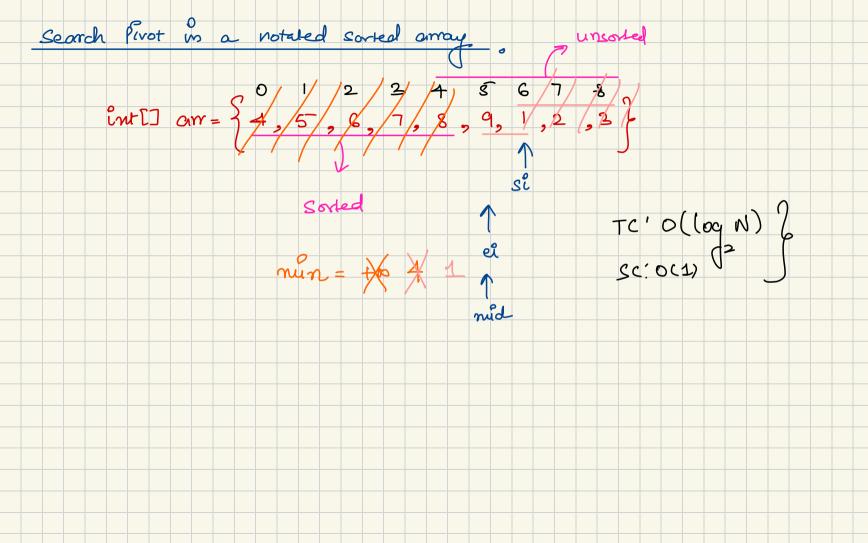


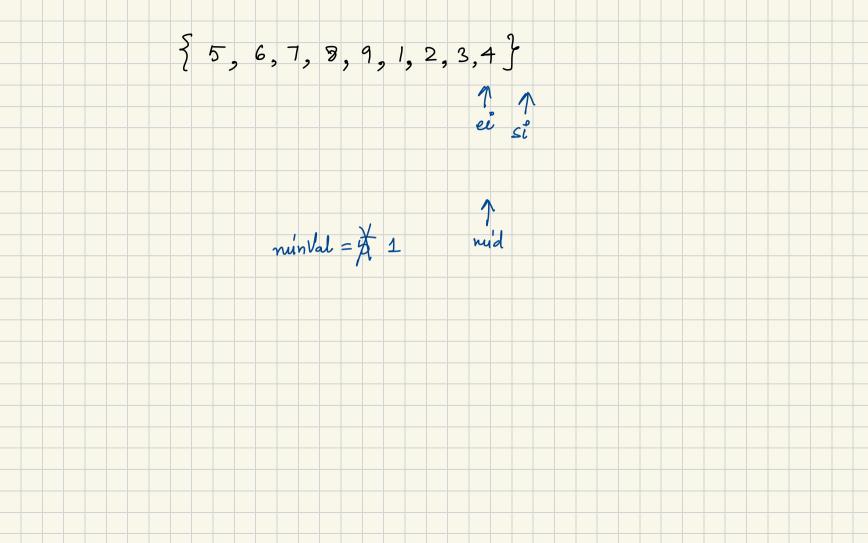
Search in 20 Marrix to find vow to find 3 4 5 1 Key = 14 int[][] ar = [ 1 2 TC: 0 ( log N + log M)
SC: 0(1) 2 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | o smaller or equal to last parson of the raw. & o greater than last parson after prev. ras ) just greater or equal element.

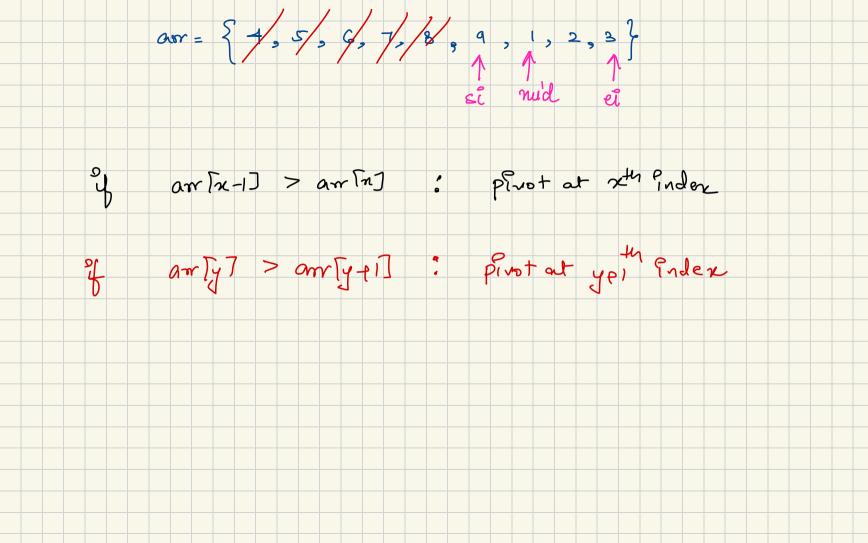
Binary Search { Searching Algo } divide Search region, into 2-belf and take one and Tc:0(log N) sc:0(1)

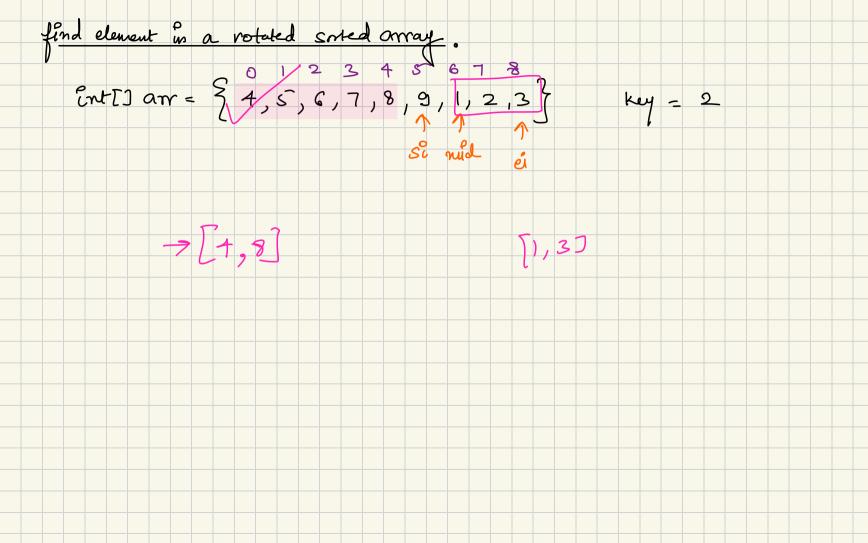
Agenda o find pivot in a rotated sorted array · find element in a notated sorted array o peak Ender in a mounteur array o peak inder o Binony Search over Soln

Rotated Sorted Array int[] ar = \ 4, 5, 6, 7, 8, 9, 1, 2, 3 } first element to start votation & pivot smallest element? I the array







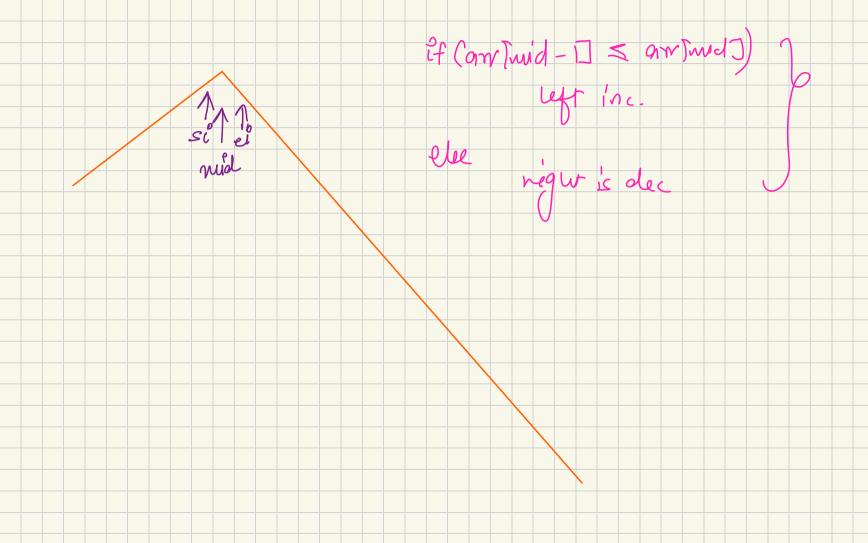


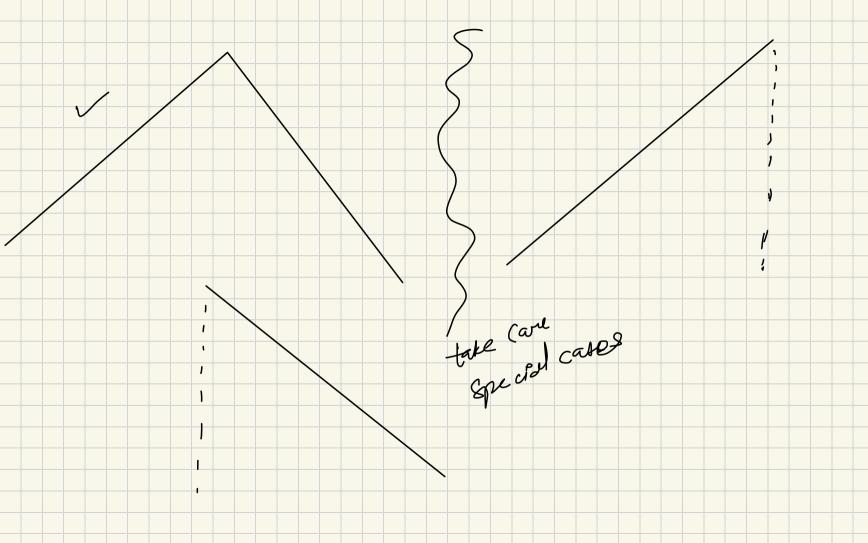
Peak in a Mountain array. int[] am = { 1, 2, 3, 4, 5, 6, 5, 4, 2 } peak (xth)

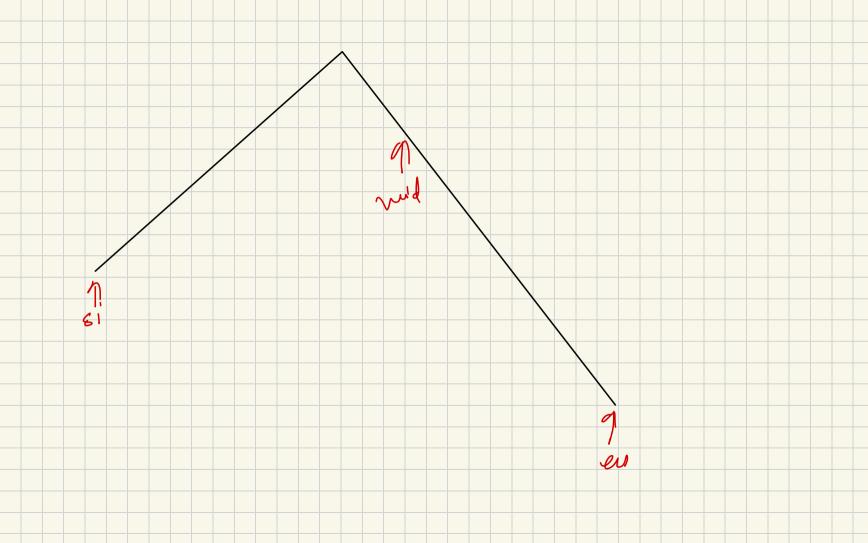
fray dec.

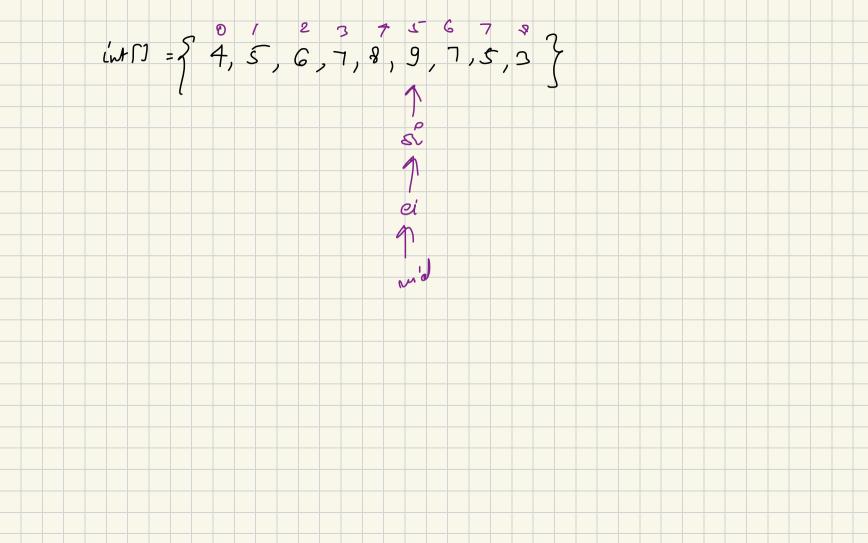
fray dec.

fray for [n+1] < arr [n] & g arr [n-1] < arr [n])









Allocak Minm Wo . of Pages ont [] Books - 24, 12, 67, 90} Students = 2 · alktribute there N Books ownery M students o each student gets min one Book o distorbullon should be configureous

