

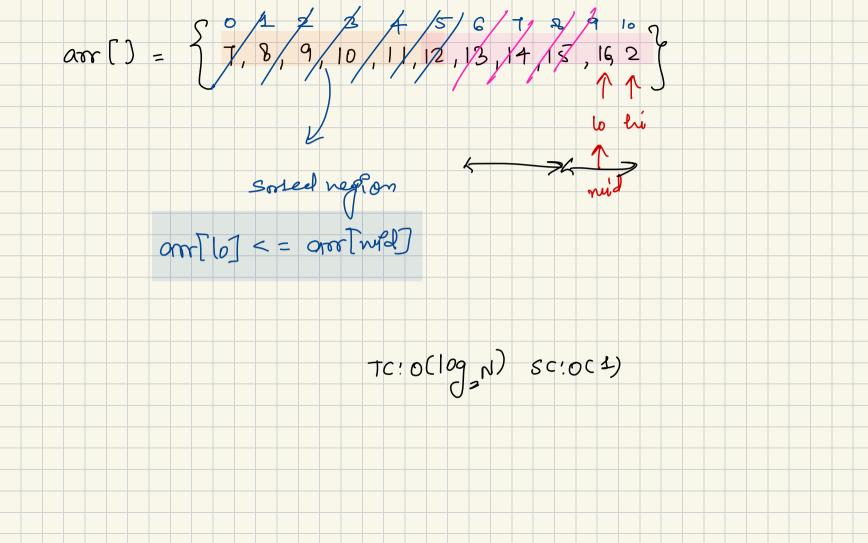
Binary Search { Searching Algorithm} TC: O Clog N) Sc: OCLO · define vange of search o divide into two halves o toy to eliminate one and take another

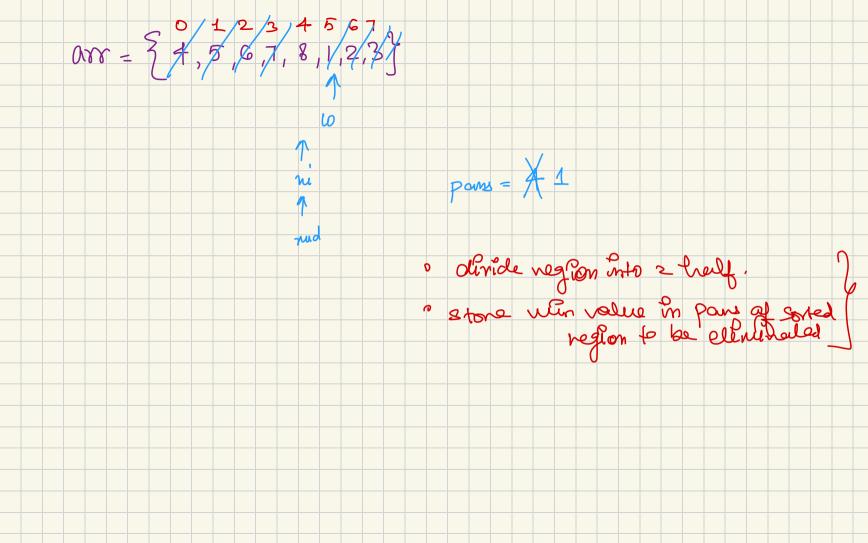
Lc. Eary Agenda Lo Basic of BS, BS over on inc array, and non-dec array So bs over a rotated sorted array. Decined · Bs over a mountain overay . Bs over collin p 10: Hands

Search Pivot in a rotated sorted array int[] arr = } 4,5,6,7,8,9,10,1,2,3} y pivot Snum value en a rotated Costed array Boude force · Unear search · find Minm value 10000) SC!0(1)

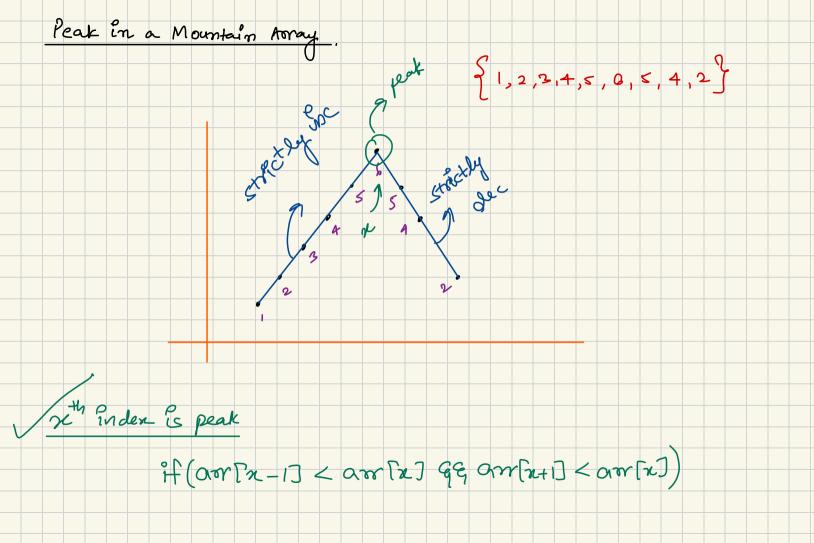
if (arthurd-1] > arrthurd])

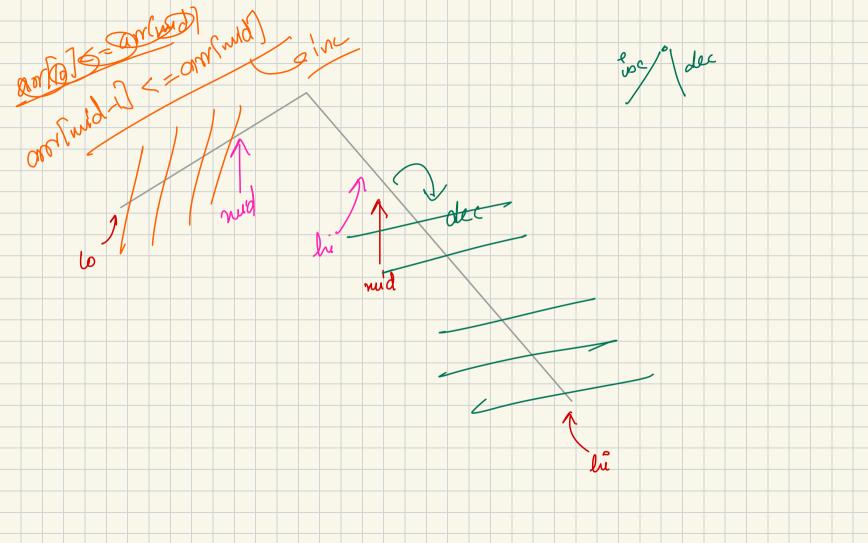
mid is pivotelse y (om [mdf] < an [mid])
nuld f) & pivot discord sorted port and more to woods unsated port

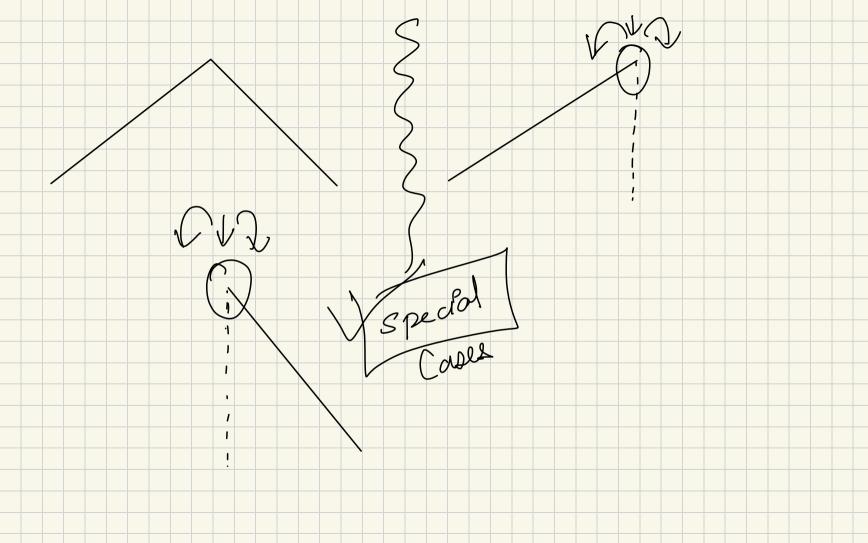




Search con dement in a notated sorted array Ent[] one = } A/Z of (om [mid] = = target) Z = answed







Allocate Minm number of Pages INTED BOOKS = { 34,12, C7, 90} Students = 2 · distribute these N Books among M Studants . cach student gets nûn oue Book. · distribution should be contegeneous

