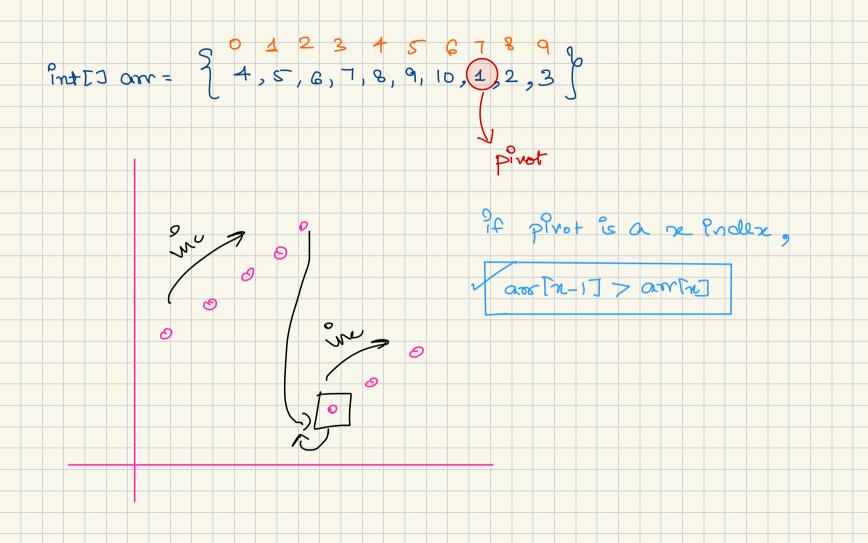


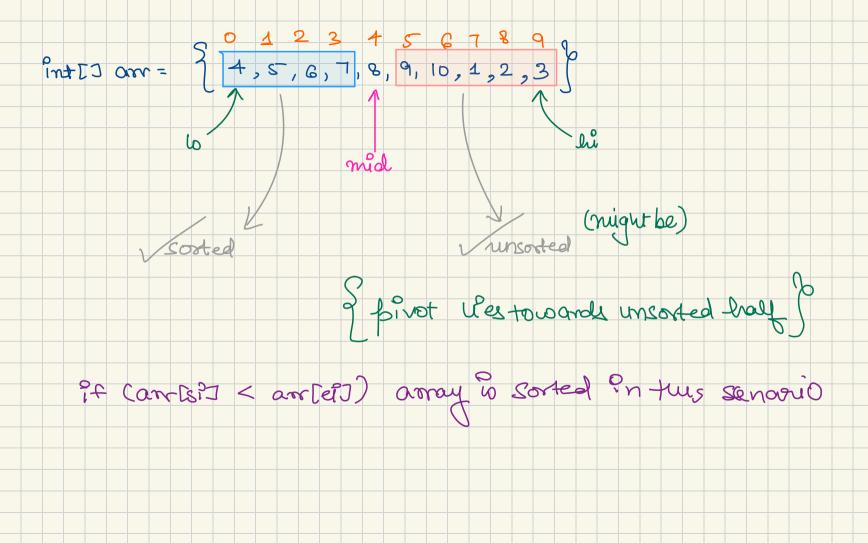
Binary Search 3 Searching Algorithm's length siegion of search 10 : 0(log N) Sc : 0(1) o défine range of learch o toy to dindrate one Ey take another

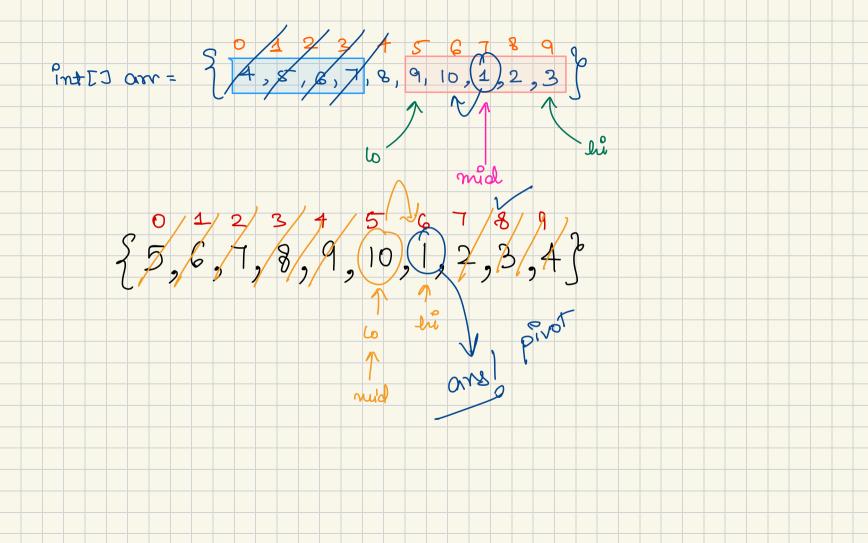
Agenda · BS over unc. array, or, mon. dec. array.

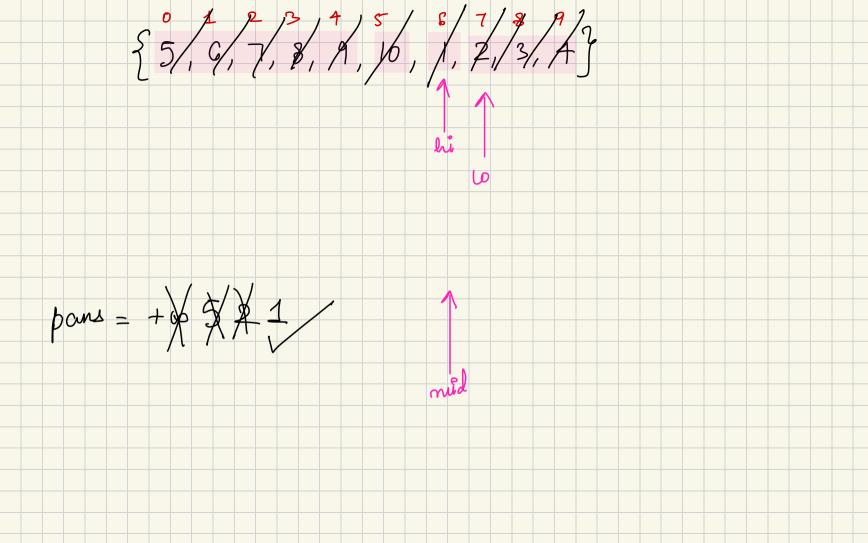
· BS over a Motated Sorted array. e Bs over solution LC : Hard, Medium (Harder Side)

Search Prot in a rotated Sorted Array. & sorted array (nunimum in rotated) Sorted Ownay Unear Search & find Minm of TC O(N) SC !O(1)



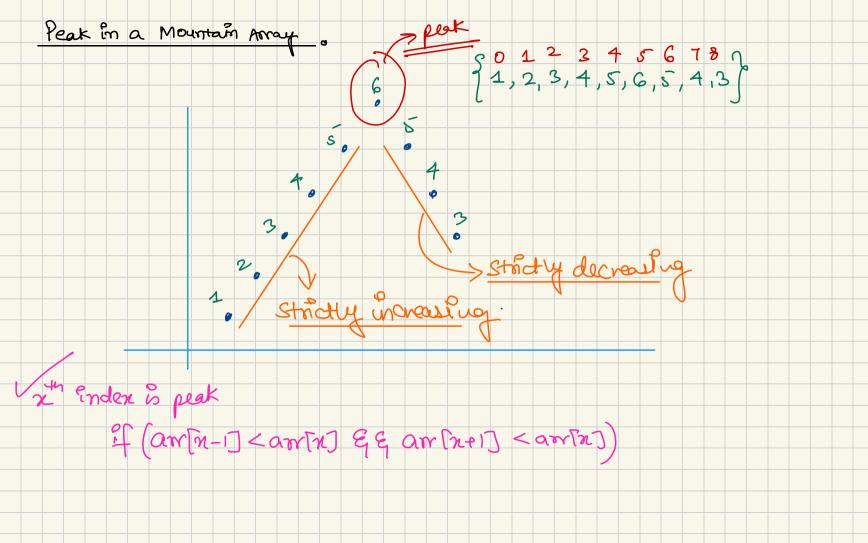


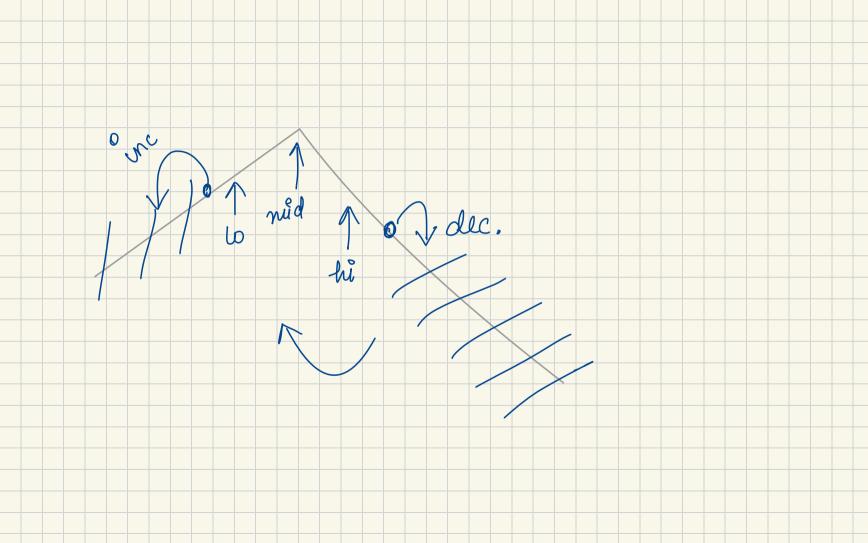


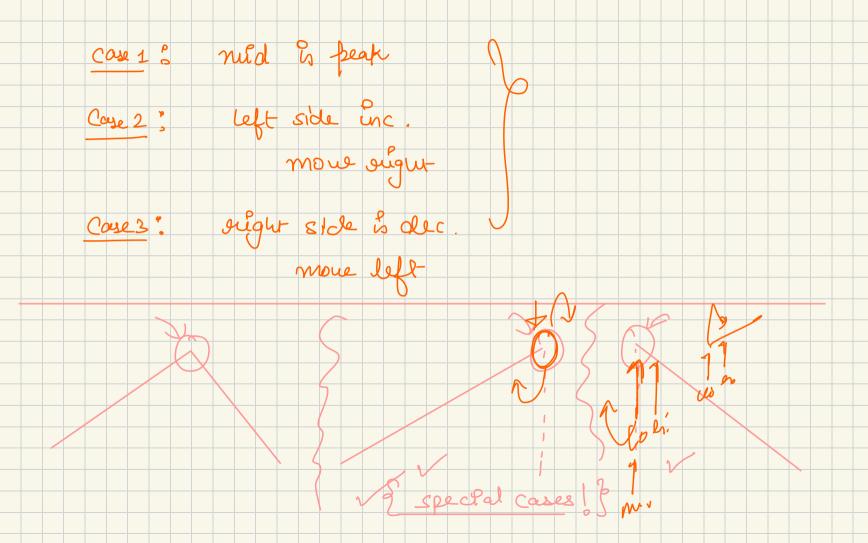


0,5,6,7,1,2 nuò pars = pours = +

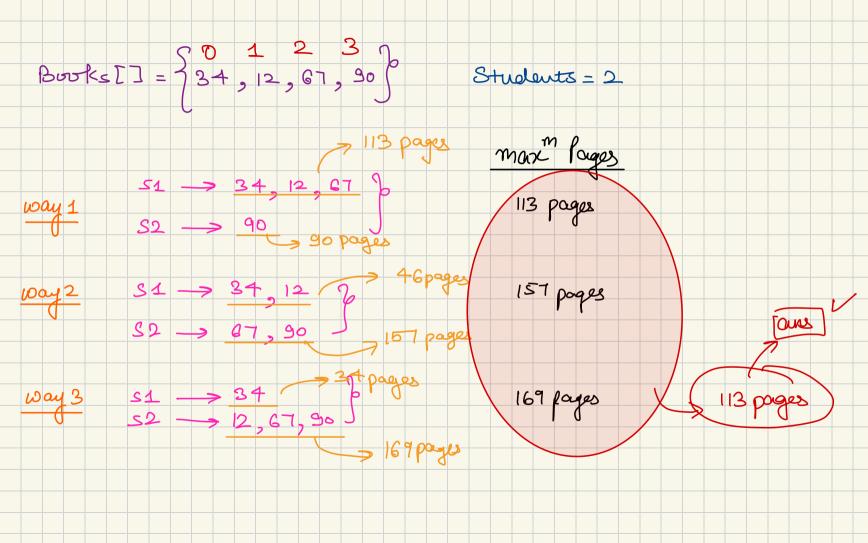
Search in a rotated sorted array ar [10], ar [wid]

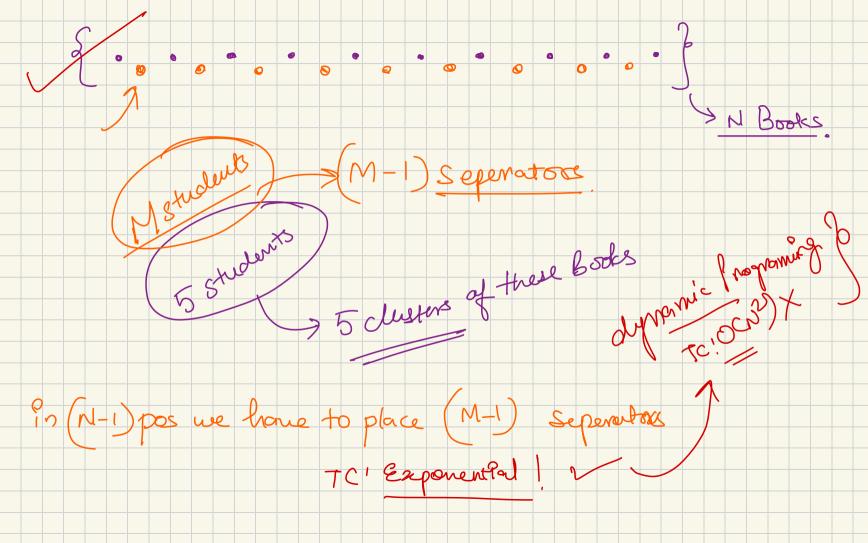


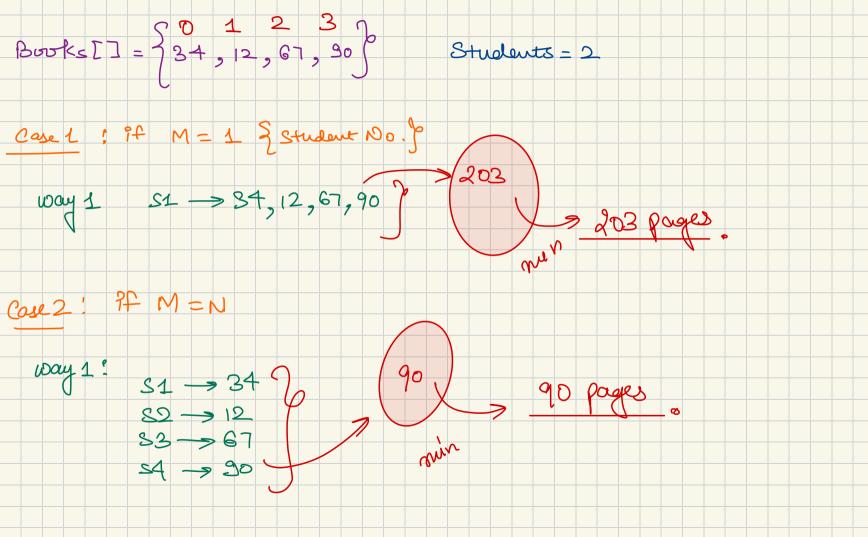


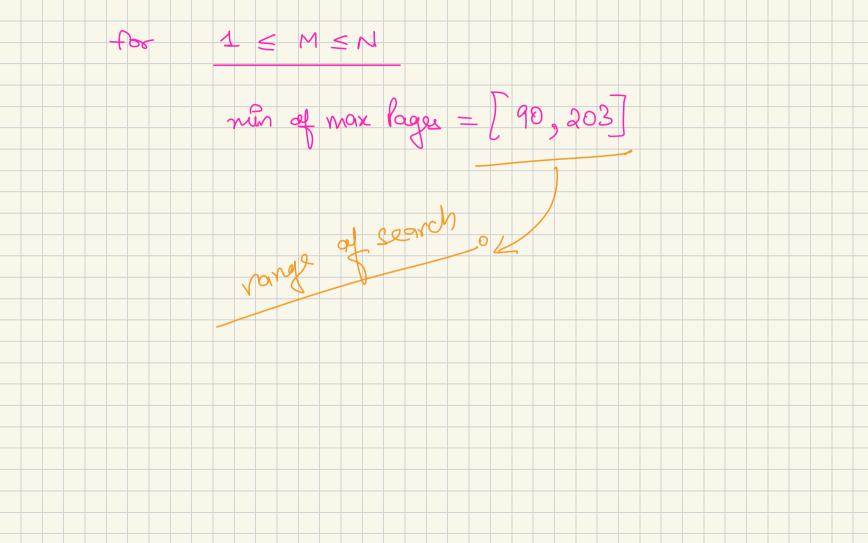


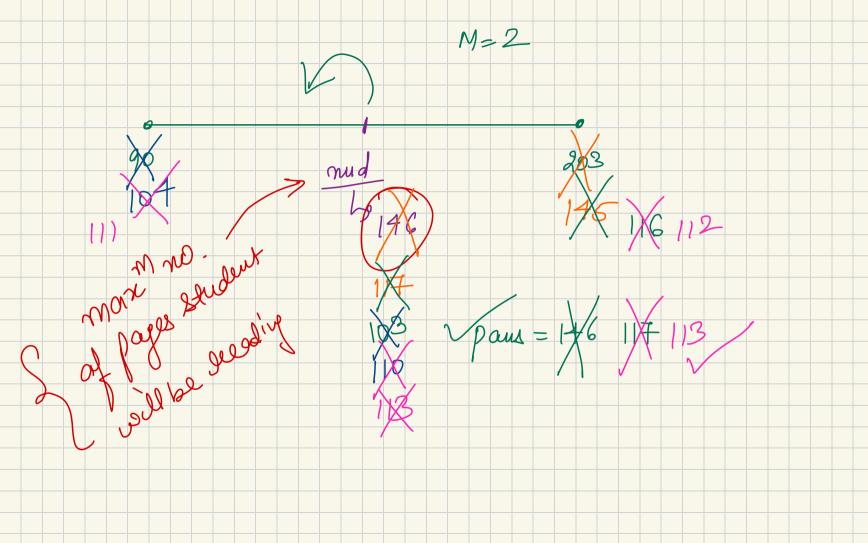
Allocate min'm Numbers of Pages Books[] = 34, 12, 67, 30 Students = 2 o distribute luese N books emong M Students o Such most each Student gets nin one book. . book distribution should in contegeneous monner.











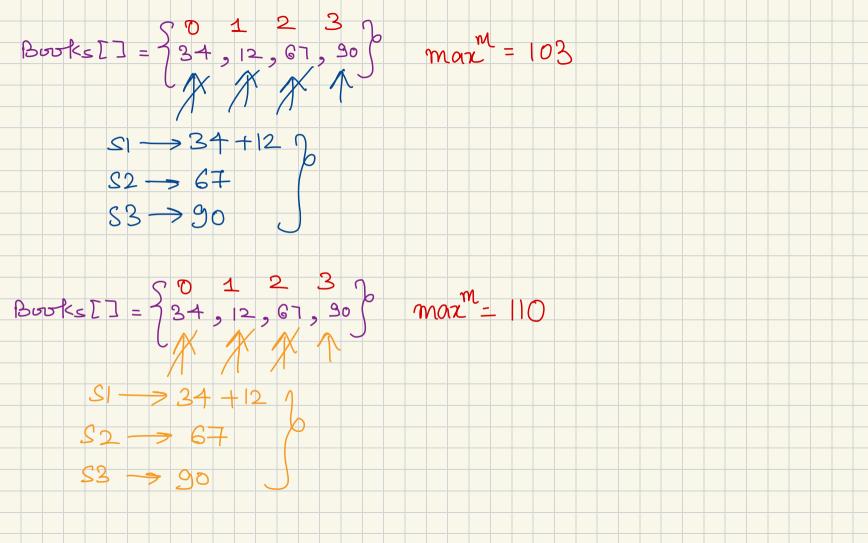
Books[] =
$$\begin{cases} 0 & 1 & 2 & 3 \\ 34 & 12 & 67 \\ 21 & 34 + 12 + 67 \end{cases}$$

$$S1 \longrightarrow 34 + 12 + 67$$

$$S1 \longrightarrow 34 + 12 + 67$$

$$S1 \longrightarrow 34 + 12 + 67$$

$$S2 \longrightarrow 90$$



Books[] = \(\frac{9}{34}, \quad \), \(\frac{9}{4}, \quad \)