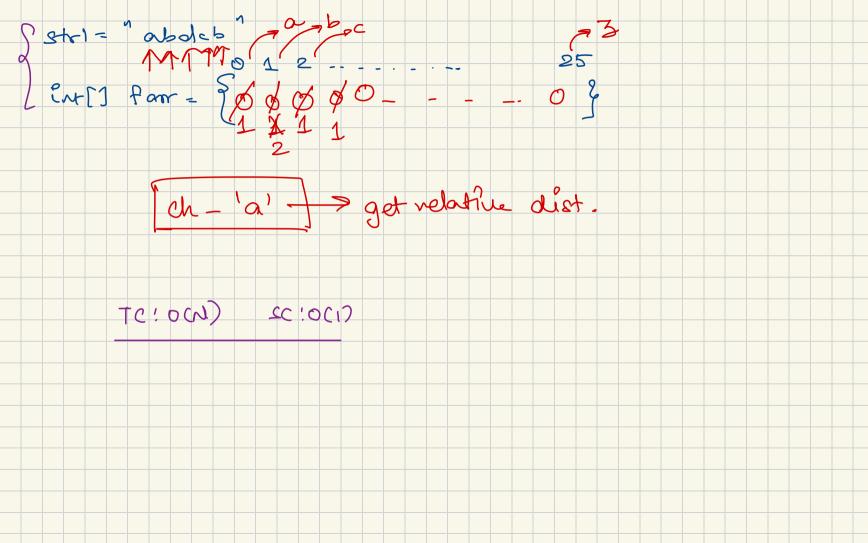
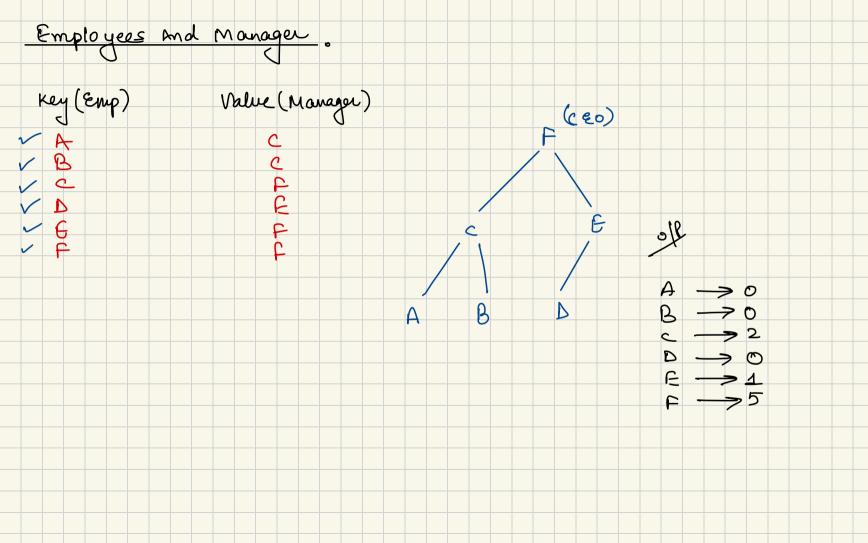


Agenda 1. Valid Anagrams
2. Emp. and Manager
3. Problem with given dys
4. Array pair devisible byk
5. Paer Sum Olivisi Le byk

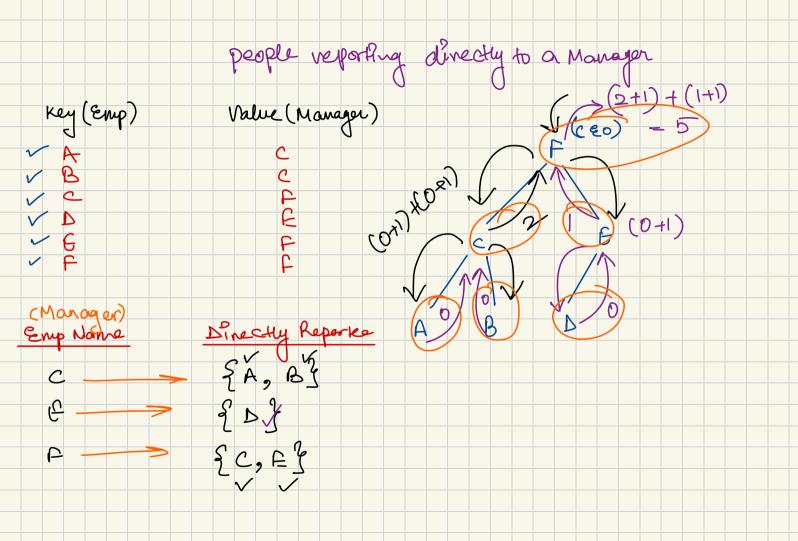
Valid Anagrams Stol = "alebd" Stoz = " cb adb" Brute force o goot them sort (stol) = abbcd are Equal? VTC: 0 (N log N) SC!0(1)

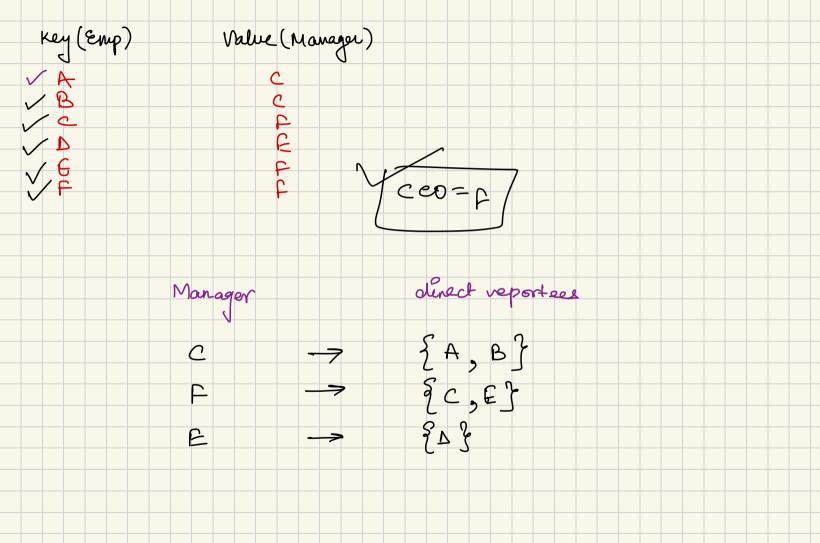
Stol = "alcbd" fmay 2 fmap1 o value of each key in fmap = = value of that key in fmaps $\neg c: o(1)$ $sc: o(26) + o(26) \sim o(1) \sqrt{ }$ No. of alphabels,

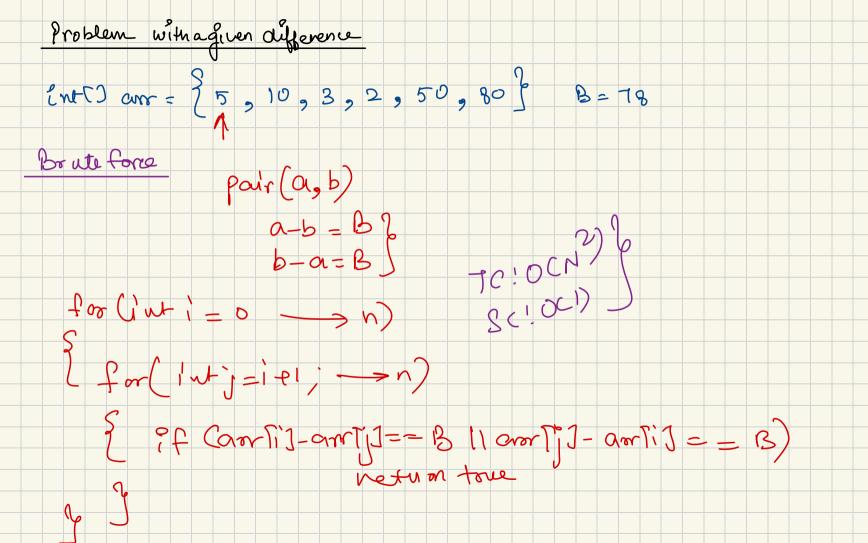


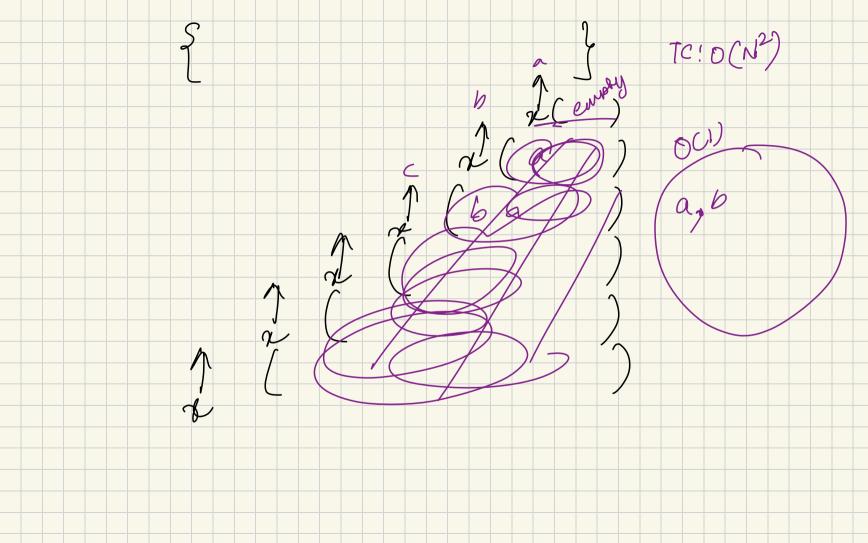


faith? tells number of Emp under me (a+1) + (b+1) = total Enf Order use ((20) (m+1)









Array Pair Sivisible by K n/2 -> Such pair, syn of each pour is divisible K. (0,1) (2,8) (3,7) (4,6) (5,10) (0)

$$(x,y)$$

$$x+y = dx$$

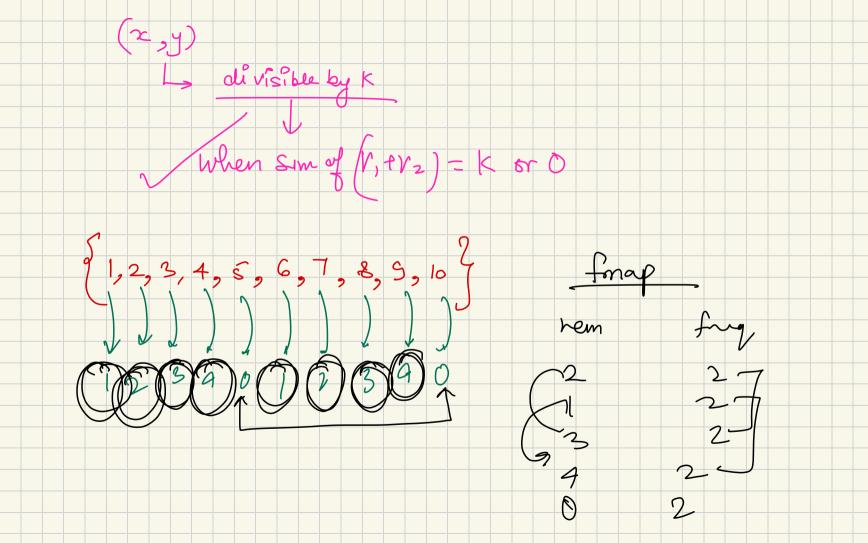
$$(x+y) = dx$$

$$(x+y) + (x\times d_2 + r_2) = dx$$

$$(x+y) + (r_1 + r_2) = dx$$

$$(x+y) = dx$$

$$(x+y)$$



a largest Suborray with sum equal to zero. o equilibrium wider o Count Num of pairs with obsolute deft t. 6 Find repeating and wissing No.