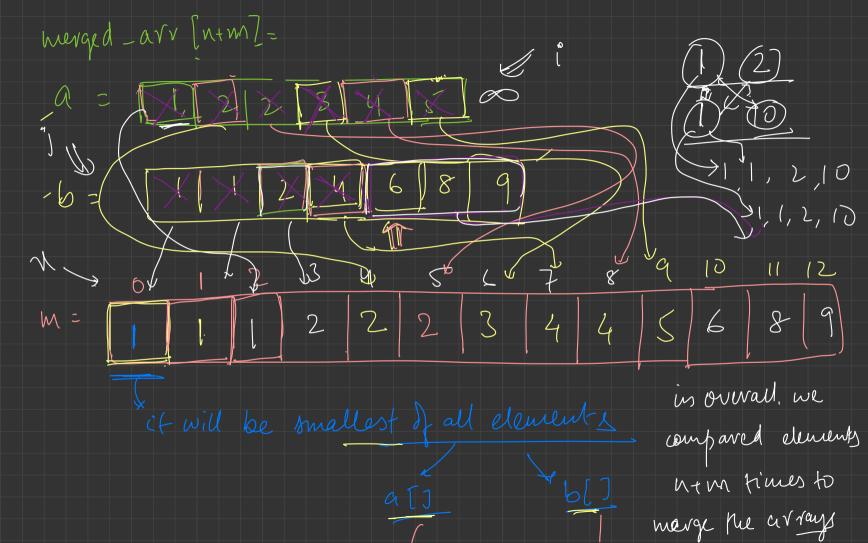
Q. Given in strings, sort them lexicographically. abc. < bat we start comparing letters from the start, and whichever i's less, comes first in lex. orderaaa † t prefix one of the strings is prefix
of another, then the Q. Given two strings find out which one is lexicographically smaller? Touly consist of lower case R-Z De Menge two sorted arrays? 6= {1,1,2,4,4,6,8,93 m a: {1, 2, 2, 3, 4, 5}, meret array = {1,1,1,2,2,2,3,44,4,5,6,8,9}

Oue-way: brute force - create a new array of size utm - copy values of a[] from 0 to n-1 - copy values of b[] from n to n+m-1 - sort the combined array ?? it does n't matter whether a[] and b[] were sorted



4(a[d) < b[d] first of dement first-denent of 6, 6[0] merge [s] = a[s] d, a[d] else nerge [d] = b[d] Compare the smallest elements of a [] and b [], append it to the newged array, and if (a[o] < b[1]) delett the liment from the nerge [d] = a[d) else merge [07 = b [1] original array used.

Break HIU 9:50 Q. alternote rectangle, Q. less or equal during a= 81, 1, 2, 3 } -> pick the unin element four i andj, and 6281,2,2,4,53 place it at n. W m = \(\frac{2}{1}, \frac{1}{1}, \frac{2}{2}, \frac{2}{2}, \frac{2}{3}, \frac{4}{4}, \frac{5}{3} \frac{3}{4}

n=5, m=15 p create a matrix of N M MXM NXM XXXXX Q. Given a sorted array, "find the way demands less X O OO X or equal to X. 1,1,2,2,3,4,5,89. [X = S] output = 3 ]

- it wate over the array and keep a count variable, init to 0 - if (a(i) <= X) count ++; - output count?? bolh land vare trying to point to the possible peak dement. Com 1 be pace elment? 7. Can 3 be apeala demand-

we have Whi ch no element before i Can be peak