Istrag Komal Adib ID: 22299325 Section: 20

The mense ont function divides the array into two hat and souts them recurinively and he are ming two pointers to port. 470) to troub total

Here in thin function, we are ming merges and he are stoging the max values in a variable and companing them early often to find the max.

costing the mengo function of merige nent algorithm whenever a value framinight array entern the ported we count how many element in the left array in still remaining, then we add the number in the count.

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wing the merge function and weage algorithm before we menge the two arrays we take the areatest element of left andy and from the night among we also take sophione of values and compare the 3 passamous some from left one from right and from right and

allot do not project.

companied them extract to find the more.

in quick nont wente left most element on pivot and he choone tener sound and appen sound inthe Pontition function ming two pointers to place the pivot on the might index

orners in atill remaining, then we add the number

in the count.

## Tank 6

Here in the quick pert a we take the righment element an the pivot, then cleck if the position of pivot in the position we want and then returnit. Untill We can the reconsive nethods.