Here I used merge sort. It divite the army into two and find the permutation of aliens height.

Here I used a single while loop to find arra(i) + arr (i)". It is Qn).

Here Quick Sort and portion two

the method represents a sorted array.

portion method ensure that all the number one less than pivot and others one bigger than pivot. all us, element sit before the pivot and bigger element sit after the pivot.

It is O(n laye) time complexity.

ue use partion medro L Tosk: 4 Hene ond find the war of guic Sort Here it is OG) smallest value. complexity. of soil add to open a hour to will (M) it is the first on a filter part 54.7 and addition has the world ind And the second of the second o Superior Bullion KAIL 199 A STATE OF THE PROPERTY OF THE