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Section: 23

### TASU 1!

This is a metage core of algorithm. Just the boole Divide and conquer Method was used here to soret it efficiently. To elaborate more, I trecursively Divided the airea array into two parets until there were only one element left and during metagling. I checked for the largest numbers and put it in the tright position and continue until the list was treadsourned.

## Tos U2

This one bush used the idea of biride and consumer method to find the largest numbers in a fast on efficient way.

### Task 2

This was about counting the pains of aliens that starte next to each other in a way if the Indexing was denoted in I, the right next to the alien would be is it. The first condition is it is and the other condition is the height of the is has to be loss than the height of the it has to be loss than the height of the it (Mexed (His His). If so, we will count how a many of this situation is possible and printhat.

Took 4
We have to find a pairs that makes the maximum amount of numbers possible meeting these condition.

The condition are: 12=120=14 and AEIJ+AEIJ 12.50.

Used merge sort type method to broad the orrow into two and then A and so on trecercively the continued to find the lest possible answers from those subscettion.

Finally connecting the subortrays and finding the illimate solution possible.

### Tash 5

This is sust a bosse one ch sort algorithm as shown in the according to be but for the took the last value would be the last thing to be but for the took the last value would be used. Comparing to the gired point, if reconstruent were net, suppoint those values on the last on the right accordingly.

# took 6

The more on less same logic from the previous one horse, but theeping a counter of the lonest term and maintaining the order to find the serial of the lovest value for the realizated overtion is done here extra.