

Hasan and the collected cash

After collecting the old currency notes, Hasan is in a fix as to how to stack the currency notes. Then he remembers about his friends and asks them for ideas. Prateek and Prabhav, his friends being very playful people, ask him to stack the cash such that the heights of the stacks are alternating, i.e.

If $A[1]$, $A[2]$, $A[3]$... , $A[N]$ represent the heights of the stack,

$A[1] > A[2] < A[3] > A[4] < A[5]$ and so on.

This will help them play the jumping game which they play.

Input :

First line contains an integer t denoting the number of test cases .

The first line of each test case consists of an integer N denoting the number of stacks.

The next line has N numbers denoting the height of each stack .

You have to arrange the stacks such that the stacks follow the given pattern. There can be different patterns, print any one.

Output :

The arranged stacks.

Sample Input :

```
2
7
9 89 48 3 2 4 22
6
3 6 5 10 7 20
```

Sample Output :

```
3 2 9 4 48 22 89
6 3 10 5 20 7
```