Partition Point in the Array

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Given an unsorted array of integers. Find an element such that all the elements to its left are smaller and to its right are greater. Print -1 if no such element exists.Note that there can be more than one such element. In that case print the first such number occurring in the array.

Input:
The first line of input contains an integer T denoting the number of test cases. Each test case contains an integer n which denotes the number of elements in the array a[]. Next line contains space separated n elements in the array a[].

Output:
Print an integer which is the required partition point.(-1 if no such partition exists)

Constraints:
1<=T<=100
1<=n<=1000
1<=a[i]<=10000

Example:
Input:
2
7
4 3 2 5 8 6 7
7
5 6 2 8 10 9 8

Output:
5
-1