Morning Assembly

It is morning time and Kendriya Vidyalaya is about to open. As is the custom of Kendriya Vidyalayas, the school starts with the morning assembly. The students, as expected lack discipline and thus, they are not standing in non-decreasing order of their heights. Their PT teacher is very unhappy with this and wants the students to arrange themselves in **non-decreasing** order of their heights, i.e., for any two students i,i+1, standing next to each other, their heights h_i and h_{i+1} are such that $h_i <= h_{i+1}$. The PT teacher announces to all the students that they should arrange themselves in non-decreasing order of their heights. The students arrange themselves in the following way :

1. They divide themselves into some groups. Each group contains consecutive students, i.e., a group from student a to b will contain students a,a+1,a+2,..,b only.
2. The division of students into groups is such that each student is present in **only one** of the group.
3. The students in a group arrange themselves in the non-decreasing order.
4. The division of groups among students is such that after each group is arranged, all the students are automatically arranged in the non-decreasing order of their heights.

The PT teacher wants to know what is the maximum number of groups in which the students can be divided, so that all the above conditions are satisfied. He turns to you for help. Help him and tell him what is the maximum number of groups in which the students can be divided, so that the above conditions are satisfied.

Input :

The first line contains the number of test cases t.
For each test case, the first line will contain an integer n, the number of students.
The next line contains n space-separated integers h_i, denoting the height of the students.

Output :

You have to print the maximum number of groups in which the students can be divided so that the division satisfies the given conditions.

Constraints :

t<=10
1<=n<=10^5
1<=h_i<=10^9

Sample Input :

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3
4
4 3 1 7
6
5 1 4 3 3 6
5
1 2 3 4 5
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Sample Output :

2
2
5

Explanation (for first test case):

The given array denoting heights of students : [4 3 1 7]
If the array is divided into two groups : [4 3 1] and [7].
Sorting first group : [1 3 4]
Sorting second group : [7]
New array : [1 3 4 7] which is sorted.
It is not possible to divide it in more than 2 groups, hence the answer is 2.