Towers AZ101

? Ask Doubt

Time-Limit: 1 sec Score: 1.00/100 Difficulty :

Memory: 256 MB Accepted Submissions: 100

Description

You are given N blocks. You have to build towers by placing blocks on top of each other with the condition that the upper block must be smaller than the lower block. You have to process the blocks in the given order. Find the minimum possible number of towers you can create.

Input Format

The first line of the input contains one integer T - the number of test cases. Then T test cases follow.

The first line of each test case contains one integer N - the length of the array.

The second line of each test case contains N space-separated integers.

Output Format

For each test case, print the minimum possible number of towers you can create.

Constraints

$1 \leq T \leq 10^5$

$1 \leq N \leq 10^5$

$1 \leq A_i \leq 10^9$

It is guaranteed that the sum of N over all test cases does not exceed 10^6.

Sample Input 1

Copy

```
3
5
3 2 5 1 4
4
1 1 1 1
5
5 4 5 3 2
```

Sample Output 1

Copy

C++14[GCC]

Submit

```
1
```