CODEFORCES β
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HOME TOP CONTESTS GYM PROBLEMSET GROUPS RATING API HELP KOTLIN HEROES DASHA CALENDAR

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS STANDINGS CUSTOM INVOCATION

B. Bad Prices

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

Polycarp analyzes the prices of the new berPhone. At his disposal are the prices for n last days: $a_1, a_2, \ldots, a_n$, where a_i is the price of berPhone on the day i.

Polycarp considers the price on the day i to be bad if later (that is, a day with a greater number) berPhone was sold at a lower price. For example, if $n = 6$ and $a = [3, 9, 4, 6, 7, 5]$, then the number of days with a bad price is 3 — these are days 2 ($a_2 = 9$), 4 ($a_4 = 6$) and 5 ($a_5 = 7$).

Print the number of days with a bad price.

You have to answer t independent data sets.

Input

The first line contains an integer t ($1 \le t \le 10000$) — the number of sets of input data in the test. Input data sets must be processed independently, one after another.

Each input data set consists of two lines. The first line contains an integer n ($1 \le n \le 150000$) — the number of days. The second line contains n integers $a_1, a_2, \ldots, a_n$ ($1 \le a_i \le 10^6$), where a_i is the price on the i-th day.

It is guaranteed that the sum of n over all data sets in the test does not exceed 150000.

Output

Print t integers, the j-th of which should be equal to the number of days with a bad price in the j-th input data set.

Example

input Copy

```
5
6
3 9 4 6 7 5
1
1000000
2
2 1
10
31 41 59 26 53 58 97 93 23 84
7
3 2 1 2 3 4 5
```

output Copy

```
3
0
1
8
2
```

Codeforces Round #582 (Div. 3)
Finished
Practice

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Practice

You are registered for practice. You can solve problems unofficially. Results can be found in the contest status and in the bottom of standings.

→ Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest

→ Submit?

Language: GNU G++11 5.1.0

Choose file: 选择文件 未选择任何文件

Submit

→ Problem tags

data structures implementation *1100

No tag edit access

→ Contest materials

- Announcement #1 (ru)
- Announcement #2 (en)
- Tutorial #1 (en)
- Tutorial #2 (ru)

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