A. Kefa and First Steps

time limit per test
2 seconds
memory limit per test
256 megabytes
input
standard input
output
standard output

Kefa decided to make some money doing business on the Internet for exactly n days. He knows that on the i-th day ($1 \le i \le n$) he makes a_i money. Kefa loves progress, that's why he wants to know the length of the maximum non-decreasing subsegment in sequence a_i. Let us remind you that the subsegment of the sequence is its continuous fragment. A subsegment of numbers is called non-decreasing if all numbers in it follow in the non-decreasing order.
Help Kefa cope with this task!

Input

The first line contains integer n ($1 \le n \le 10^5$).

The second line contains n integers $a_1, a_2, ..., a_n$ ($1 \le a_i \le 10^9$).

Output

Print a single integer — the length of the maximum non-decreasing subsegment of sequence a.

Examples

input

Copy

```
6
2 2 1 3 4 1
```

output

Copy

```
3
```

input

Copy

```
3
2 2 9
```

output

Copy

```
3
```

Note

In the first test the maximum non-decreasing subsegment is the numbers from the third to the fifth one.
In the second test the maximum non-decreasing subsegment is the numbers from the first to the third one.