

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 ($1 \leq i \leq n$) 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 ($1 \leq n \leq 10^5$).

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

Output

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

Examples

input
6 2 2 1 3 4 1
output
3
input
3 2 2 9
output
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.

Codeforces Round #321 (Div. 2)

Finished

→ 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 ACM-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

→ Problem tags

brute force dp implementation

No tag edit access

→ Contest materials

- Announcement 
- Tutorial 