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
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.