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 ≤ *i* ≤ *n*) he makes*ai* money. Kefa loves progress, that's why he wants to know the length of the maximum non-decreasing subsegment in sequence *ai*. 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 ≤ *n* ≤ 105).

The second line contains *n* integers *a*1,  *a*2,  ...,  *an* (1 ≤ *ai* ≤ 109).

**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.