

## A. Maximum Increase

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

You are given array consisting of  $n$  integers. Your task is to find the maximum length of an increasing subarray of the given array.

A subarray is the sequence of consecutive elements of the array. Subarray is called increasing if each element of this subarray **strictly greater** than previous.

### Input

The first line contains single positive integer  $n$  ( $1 \leq n \leq 10^5$ ) — the number of integers.

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

### Output

Print the maximum length of an increasing subarray of the given array.

### Examples

<b>input</b>
5 1 7 2 11 15
<b>output</b>
3
<b>input</b>
6 100 100 100 100 100 100
<b>output</b>
1
<b>input</b>
3 1 2 3
<b>output</b>
3

### Educational Codeforces Round 15

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

dp greedy implementation

No tag edit access

#### → Contest materials

- Announcement