Coding Arena

Problem

A sequence is said to be progressive if it doesn't decrease at any point in time.
For example 1 1 2 2 is a progressive sequence but 1 2 1 is not a progressive sequence. Let S be the sequence and be represented by T spaced integers Ki, now your task is to find out the first longest progressive sequence present in the given sequence (S).

Input Format:

First line will contain T, the length of the sequence and next line will contain T spaced integers Ki (where i = 0,1, ...,T).

Line 1	T,where T is the length of the sequence
Line 2	Ki,where Ki is integer in sequence separated by space

Constraints:

1<=T<=10^6(one million)
1<=Ki<=10^9(one billion)

Output Format:

Line 1	longest progressive sequence present in the given sequence

Sample Test Cases:

SNo.	Input	Output
1	4 1 1 2 1	1 1 2
1	5 1 2 1 2 2	1 2 2

Note:

Participants submitting solutions in C language should not use functions from <conio.h> / <process.h> as these files do not exist in gcc

Submit Answer

☐ I BHARGAVA GANTI confirm that the answer submitted is my own.

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