



(/en/),
v1.1.0

CSD Testing System

(/en/)

Monotonic and strictly monotonic sequence

Cost: 3 | Solved: 91

Memory limit: 256 MB

Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

Determine whether a sequence of number is strictly monotonic or monotonic.

Input:

Contains integer number n ($2 \leq n \leq 10^9$) - number of elements in sequence. There are n elements after it.

Output:

If sequence is strictly monotonic then write "2" else if sequence is just monotonic then write "1" and "0" in other cases.

| Input | Output |
|-------------|--------|
| 5 1 2 3 3 4 | 1 |
| 5 1 2 3 4 5 | 2 |

