ASTU-ICPC

Monotonous Monotones

Description

Given a sequence of numbers, a monotonically increasing subsequence is a subsequence in which the numbers are strictly increasing. In this sequence:

Both of these subsequences are monotonically increasing:

12471114 and 123814

The Problem:

Given a sequence, find the length of the longest monotonically increasing subsequence.

The Input:

Several lines, each with a sequence of integers. There will be no more than ten integers in each sequence.

The Output:

Print the message: 'n' the longest monotonically increasing subsequence.

Then, print a blank line.

Sample Input:

Sample Output: