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Integer Pranks

1 points

Introduction

In *Cipherworld* integers love to play tricks on programmers. Your mission, should you choose to accept it, is to write a program that can outsmart these mischievous integers. Your program should read three integers and determine if they are in successive ascending order. Can you bring order back to the world of programming and foil the pranks of these integers?

Input

The input is composed by three lines. Each line will contain a single integer. Three integer values are different.

Output

The output will return True if the three integers are received in increasing order. Otherwise, the output will be False.

Example 1

Input

5
10
3

Output

False

Example 2

Input

-11
-6
1

Output

True