Checking assertions X46982_en

Write a program that writes `true` or `false` (whatever is correct) for a sequence of *assertions* of the form either $a < b$ or $a > b$, where a and b are two integer numbers. For example, if the input is

```
3 < 7
1 > 1
-8 < -9
2 < 5
-8 > -9
7 > 3
```

then the program will output

```
true
false
false
true
true
true
```

Your program can only include `iostream`, no other library can be used. Your program must not store the input, and must not define nor use functions or procedures other than those defined in the `iostream` library. Failure to satisfy these requirements will invalidate (final score = 0) your program.
Exam score: 2.5 **Automatic part:** 100%

Input

The input consists in a sequence of cases. Each case is given in a line, and starts with an integer a, followed by the character '`<`' or '`>`', and followed by a second integer b.

Output

The program outputs a line for every case, with either `true` or `false`, depending on whether the corresponding input assertion was correct or not. After the answer, each case is finished with and end-of-line.

Sample input

```
3 < 7
1 > 1
-8 < -9
2 < 5
-8 > -9
7 > 3
```

Sample output

```
true
false
false
true
true
true
```

Problem information

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