Problem 2 – Possible Triangles

In Geometry a triangle is real if the **sum of the shortest two sides is larger than the longest side**. Write a program that checks three real numbers if there is a possible triangle to be built from them. You are given lines of **three real numbers.** The last line will hold **"End".** Print all the possibilities in the format **"a+b>c"**. Where **a** and **b** are the shortest sides and **c** is the longest.

Input

The input comes from the console. The first lines hold the **three real numbers, separated by single space**. The last line holds the word **"End"**. The input lines will be **distinct** (no duplicates are allowed).

The input data will always be valid and in the format described. There is no need to check it explicitly.

Output

Print at the console all **possible triangles** found in the input sequence in format "**a+b>c**" (without any spaces), each at a separate line. The **order** of the output lines **should be the same as the order they appear in the input**. The numbers should be printed with **2 digits after the decimal sign**. Print "**No**" in case no triangle is possible among the input sequence of numbers.

Constraints

- The input **numbers** on each line will be **distinct** real numbers in the range [0…9999].
- There will be no more than 100 lines of input.
- Time limit: 0.5 sec. Memory limit: 16 MB.

Examples

Input	Output
20.5 30.6 10.9 1.2345 2.3456 3.4567 1.2 2.3 4.6 End	10.90+20.50>30.60 1.23+2.35>3.46

Input	Output
1 2 3 1 3 4 End	No