Nine Is Greater Than Ten

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	1024 megabytes

Koji, the mathematician and philosopher, is hereby proving the statement that

$$9 > 10$$

by the following solid proof.

Proof. We write down two numbers in decimal representation.

$$\underline{9}.$$

$$\underline{1}0$$

Look at the first digit that they are different at! Since $9 > 1$, we proved that $9 > 10$. $Q.E.D.$

Again, you can easily use the same argument to prove $114\,514 < 1919$:

$$1\underline{1}4514$$

$$1\underline{9}19..$$

and $9 < 999$:

$$9\underline{.}.$$

$$9\underline{9}9$$

Wow, that is math! How logical it is! Now you have fully understood how the Koji compares two numbers. Write a program to compare two input numbers!

Input

A single input line consists of two positive integers a, b ($1 \le a, b \le 20\,220\,924$) seperated by a single space, both are guaranteed without leading zeros.

Output

Print a single line by the method of Koji Comparison,

- If $a > b$, print "a>b"(without quotes).
- If $a < b$, print "a<b"(without quotes).
- If $a = b$, print "a=b"(without quotes).

Examples

standard input	standard output
9 10	9>10
114514 1919	114514<1919
9 999	9<999
99 99	99=99
2022 924	2022<924