Write a program that reads two words and tells their lexicographic order.

Input
Input consists of two words \( a \) and \( b \), made up of only lowercase letters.

Output
Print a line telling if \( a < b \), \( a > b \) or \( a = b \), following the format of the examples exactly.

Observation
If you use a modern programming language, this exercise should be trivial.

Sample input 1
anna xavier

Sample output 1
anna < xavier

Sample input 2
xavier joan

Sample output 2
xavier > joan

Sample input 3
joan joan

Sample output 3
joan = joan

Problem information
Author: Jordi Petit
Translator: Carlos Molina
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