Compare numbers
Problem ID: comparenumbers

You are teaching your small cousin about numbers, but he is having trouble grasping that some numbers are bigger, smaller or equal. You have a D and D session, but you do not want to leave him hanging, so you wanna make a program that can help him.

Create a program that takes two integers, and returns either $"bigger"$, $"smaller"$ or $"equal"$. Depending on how the first integer relates to the second integer.

Input

The input consists of two integers, given on two lines. Every integer is a nonnegative integer in the range 0 to 100.

Output

The output should be one string, that follows this format. i1 > i2 outputs: $"bigger"$ i1 < i2 outputs: $"smaller"$ i1 = i2 outputs: $"equal"$

Sample Input 1	Sample Output 1
1 4	smaller

Sample Input 2	Sample Output 2
5 3	bigger

Sample Input 3	Sample Output 3
7 7	equal