Java if-else (Decision Making)

Given two integers,m and n. Your task is to check whether m!=n or m=n.

Input:
First line of input file contains an integer T, denoting the number of test cases. Then T test case follow. First line of each test case contains two integer m and n.(space separated).

Output:
For each test case, Print lesser, greater or equal for m!=n, or m=n respectively in new line.

Constraints:
1<=T<=10
-100<=m<=100
-100<=n<=100

Example:
Input:
3
4 8
4 4
-2 -5
Output:
lesser
equal
greater