Problem I	Is this the easiest problem?	Time Limit : 1 second

A triangle is a geometric shape with three positive sides. However, any given three sides won't necessarily form a triangle. The three sides must form a closed region. Triangles are categorized depending on the values of the sides of a valid triangle. In this problem you are required to determine the type of a triangle.

Input

The first line of input will contain a positive integer **T<20,** where **T** denotes the number of test cases. Each of the next **T** lines will contain three 32 bit signed integer.

Output

For each case of input there will be one line of output. It will be formatted as:
Case {x}: {triangle type}. Where **x** denotes the case number being processed and **{triangle type}** is the type of the triangle. **{triangle type}** will be one of the following, depending on the values of the three sides:

- Invalid - The three sides cannot form a triangle
- Equilateral - All three sides of valid triangle are equal
- Isosceles - Exactly two of the sides of a valid triangle are equal.
- Scalene - No pair of sides are equal in a valid triangle.

Sample Input	Sample Output
4 **1 2 5** **1 1 1** **4 4 2** **3 4 5**	**Case 1: Invalid** **Case 2: Equilateral** **Case 3: Isosceles** **Case 4: Scalene**

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