

Triangle Function *****

Write a query identifying the *type* of each record in the **TRIANGLES** table using its three side lengths. Output one of the following statements for each record in the table:

- **Equilateral:** It's a triangle with sides of equal length.
- **Isosceles:** It's a triangle with sides of equal length.
- **Scalene:** It's a triangle with sides of differing lengths.
- **Not A Triangle:** The given values of *A*, *B*, and *C* don't form a triangle.

Input Format

The **TRIANGLES** table is described as follows:

<i>Column</i>	<i>Type</i>
<i>A</i>	<i>Integer</i>
<i>B</i>	<i>Integer</i>
<i>C</i>	<i>Integer</i>

Each row in the table denotes the lengths of each of a triangle's three sides.

Sample Input

<i>A</i>	<i>B</i>	<i>C</i>
20	20	23
20	20	20
20	21	22
13	14	30

Sample Output

```
Isosceles
Equilateral
```

```
Scalene  
Not A Triangle
```

Explanation

self - Explanatory.

```
select  
case  
    when A>=B+C or B>=A+C or C>=A+B then 'Not A Triangle'  
    when A=B and B=C then 'Equilateral'  
    when A=B or A=C or B=C then 'Isosceles'  
    else 'Scalene'  
end  
from TRIANGLES
```