HOME PERFIL CONFIGURACIONES NOTICIAZO FORO ACADÉMICO CONTESTS BUSCAR PROBLEMAS ENVIAR ENVÍOS ESTADÍSTICO



Bienvenido, **IGNACIO**

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Triangle Types

Adapted by Neilor Tonin, URI Marazil

Timelimit: 1

Read 3 double numbers (A, B and C) representing the sides of a triangle and arrange them in decreasing order, so that the side A is the biggest of the three sides. Next, determine the type of triangle that they can make, based on the following cases always writing an appropriate message:

- if A ≥ B + C, write the message: NAO FORMA TRIANGULO
- if A² = B² + C², write the message: TRIANGULO RETANGULO
- if A² > B² + C², write the message: TRIANGULO OBTUSANGULO
- if A² < B² + C², write the message: TRIANGULO ACUTANGULO
- if the three sides are the same size, write the message: TRIANGULO EQUILATERO
- if only two sides are the same and the third one is different, write the message: TRIANGULO ISOSCELES

Input

The input contains three double numbers, A (0 < A), B (0 < B) and C (0 < C).

Output

Print all the classifications of the triangle presented in the input.

Sample Inp	uts Sample Outputs
7.0 5.0 7.0	TRIANGULO ACUTANGULO
	TRIANGULO ISOSCELES
C 0 C 0 10 0	MDT ANGLI O ODMIGANGUI O
6.0 6.0 10.0	TRIANGULO OBTUSANGULO
	TRIANGULO ISOSCELES
6.0 6.0 6.0	TRIANGULO ACUTANGULO
	TRIANGULO EQUILATERO
5.0 7.0 2.0	NAO FORMA TRIANGULO
6.0 8.0 10.0	TRANSINO RETANGUIO
6.0 8.0 10.0	TRIANGULO RETANGULO
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