



Bienvenido,
IGNACIO

1041

Descripción
Pantalla
Completa
Enviar
Ranking
Foro
Toolkit

Principiante

FACEBOOK

fb.com/urionlinejudge

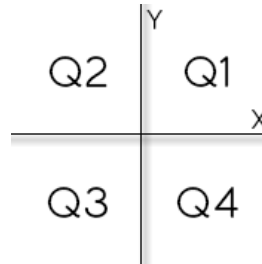
URI Online Judge | 1041

Coordinates of a Point

Adapted by Neilor Tonin, URI Brazil

Timelimit: 1

Write an algorithm that reads two floating values (x and y), which should represent the coordinates of a point in a plane. Next, determine which quadrant the point belongs, or if you are over one of the Cartesian axes or the origin ($x = y = 0$).



If the point is at the origin, write the message "Origem".

If the point is over X axis write "Eixo X", else if the point is over Y axis write "Eixo Y".

Input

The input contains the coordinates of a point.

Output

The output should display the quadrant in which the point is.

Sample Input	Sample Output
4.5 -2.2	Q4
0.1 0.1	Q1
0.0 0.0	Origem

