Coordinates of a Point

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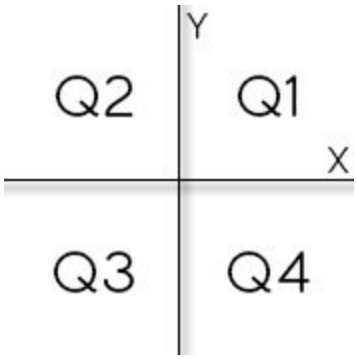
Timelimit: 1

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