Circle

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

An important part of Data Science is data visualization. To produce the below visualization, the first step is to determine which points are outside the circle. Points outside the circle are then labelled BLUE, and points inside or on the circle are labelled RED.

The circle has a radius of 1. For a point (x, y), the distance to the centre is $\sqrt{x^2 + y^2}$. If the distance to the centre of a point is more than 1 it is outside the circle

Given the point (x, y), write a program that outputs BLUE if the point lies outside the circle and outputs RED if the point lies inside or on the circle. The first line of input contains the coordinates x and y.

Input

The first line of input contains two space separated floats x and y.

Output

Output a single line, RED or BLUE.

Examples

standard input	standard output
0.1 0.3	RED
0.9 0.53	BLUE