## Ellipse

Given 5 points on a ellipse, calculate the area of the ellipse. We accept solutions with absolute error less than $10^{-6}$ or relative error less than $10^{-9}$.

## Input

Many test cases. Each contains a line with 10 integers with absolute value less than 1000 - the X and $Y$ coordinates of the 5 points, respectively.

Input terminates by EOF. Note that there can be extra spaces in a single line.

## Output

Each line contains a single float-point number - the area of the corresponding ellipse, or "IMPOSSIBLE" if the ellipse doesn't exist or can't be unique determined.

## Example

## Input:

6132 -2 -3-3-2 16
$7-3276355-2-9$
Output:
IMPOSSIBLE 157.079633

Note: You can click on "Wrong Answer" to get further information.
Note: Judge is slightly modified to avoid some precision problems.

