





▼ ...The same name as

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second degree equation

• Time limit: 1 second

• Memory limit: 128 MB

The following quadratic equation with coefficients aAnd bAnd cConsider:

$$ax_{-}^{2} + bx_{-} + c = 0$$

(The coefficients are never zero together.)

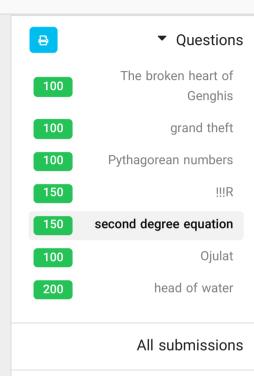
Write a program that solves the equation for these coefficients.

Input

In the first, second and third lines, in the order of numbers $a\mathsf{And}b\mathsf{And}c\mathsf{c}$ to receive

$$-100 \le a_b_c \le 100$$

Output



Scoreboard

Final submissions

If the equation has two distinct solutions, print two solutions in ascending order (up to three decimal places), if it has one solution, print that solution (up to three decimal places), if it has no true solution, Print the expression IMPOSSIBLE.

Note

In this question, the condition "a is opposite to zero" and "b is opposite to zero" has been removed, and your program must check this condition and in this case it must also be able to calculate the answer to the equation.

Example

Sample input 1

5

3

0

Sample output 1

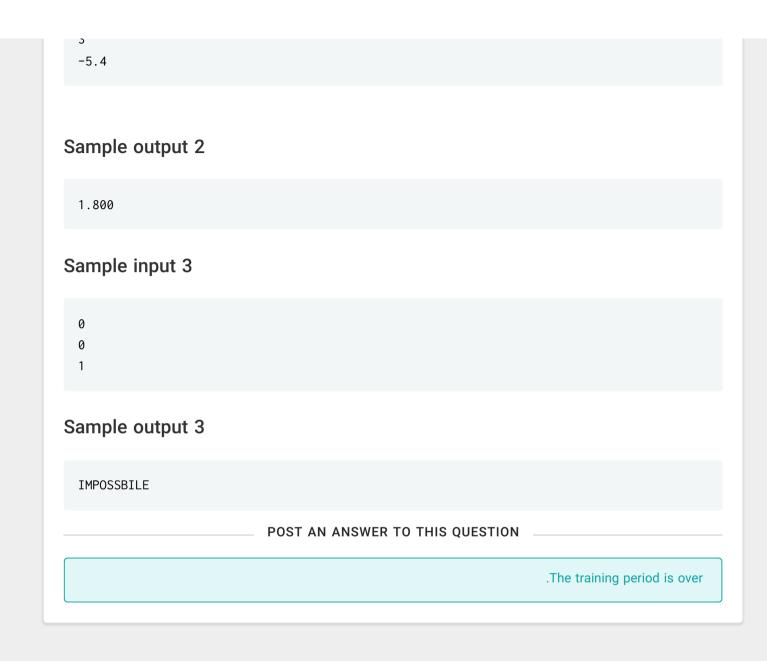
-0.600

0.000

Sample input 2

0

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