

Problem F2102

Quadratic Equation Solver

Your little brother is doing middle school math homework now. One question asks him to solve a quadratic equation, i.e. $ax^2 + bx + c = 0$. He knows that you are good at programming, so he wants you to write a program to help him solve the problem.

Input

The input consists of 3 lines.

The first line contains $a(1 \leq a \leq 100)$.

The second line contains $b(-100 \leq b \leq 100)$.

The Third line contains $c(-100 \leq c \leq 100)$.

Output

Print the smaller root in the first line and the larger root in the second line. The Input data guarantee that the quadratic equation has 2 roots of real numbers.

Sample Input

```
1
3
1
```

Sample Output

```
-2.61803398875
-0.38196601125
```