

This code was written by @Anurag_Kanade on 9 march 2023

"""Write a program to find roots of a quadratic equation"""

import math

a = float(input())

b = float(input())

c = float(input())

finding the discriminant of b square - 4ac

discriminant = b**2 - 4*a*c

if discriminant < 0:

print("No real roots")

if no real valued exits

exit()

root1 = (-b + math.sqrt(discriminant)) / (2*a) # $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

root2 = (-b - math.sqrt(discriminant)) / (2*a)

print(root1, root2)