#declaration the ecuation's constants

aCons = float(input("Input your 'a' value: "))

bCons = float(input("Input your 'b' value: "))

cCons = float(input("Input your 'c' value: "))

disc = ((bCons\*\*2.0)-(4.0\*aCons\*cCons)) #calculate the discriminant

#print(disc)

#x variables calculation

xVar1 = ((bCons\*(-1.0))+(disc\*\*(0.5)))/(2.0\*aCons)

xVar2 = ((bCons\*(-1.0))-(disc\*\*(0.5)))/(2.0\*aCons)

if disc < 0: #print whether is an imaginary root or the values of x

print("")

print("The result of x is an imaginary root.")

else:

print("")

print("The first value of x is ", xVar1 ," and the second is ", xVar2)