x = float(input())

y = float(input())

if x > 0 and y > 0: print("Quadrant I")

elif x < 0 and y > 0: print("Quadrant II")

elif x < 0 and y < 0: print("Quadrant III")

elif x > 0 and y < 0: print("Quadrant IV")

elif x == 0 and y == 0: print("Origin")

elif x == 0: print("Y-axis")

else: print("X-axis")