import math

print("Ajay Tiwari, 31") print("input x1=")

x1 = float(input()) print("input x2=")

x2 = float(input()) print("input Bias b=")

b = float(input()) print("input weight w1=") w1 = float(input()) print("input weight w2=") w2 = float(input())

print()

yin = b + (x1 \* w1) + (x2 \* w2)

Y1 = 1 / (1 + math.exp(-yin))

Y2 = (1 - math.exp(-yin)) / (1 + math.exp(-yin)) print("Binary sigmoid activation function") print("Y1=", Y1)

print("Y2=", Y2)

print("Done")