ANN2 Assignment

Q2. How you will verify your trained algorithms? Justify your solution

I have verified the trained algorithm by drawing the decision boundary using the trained weights that is the line with equation w1*x1 + w2*x2 + B1 = 0 and w3*x1 + w4*x2 + B2 = 0. This line divides the x-y plane into 3 parts . First w1*x1 + w2*x2 + B1>0 and w3*x1 + w4*x2 + B2<0 which signifies the class 0 . And the other two parts represents class 1:

1.w1*x1 + w2*x2 + B1>0 and w3*x1 + w4*x2 + B2>0 2.w1*x1 + w2*x2 + B1<0 and w3*x1 + w4*x2 + B2<0

X-NOR GATE Line1: 1.3432437095259768*x1 +-1.4022464613613237*x2 +-0.682549843354682 = 0 Line2: 2.1693873516900717*x1 +-2.0688345595685997*x2 +1.1839298404668188 = 0

