

Alfredo Reina Corona

FINAL GRADE: 89%

COMMENTS:

“task 3: this is not really the right answer, the values between the weights will always be wrong. the way you go about this is to design 1 node to recognize each side of the equation and then the next layer you and them together. -1 point task 5: this is incorrect, notice that it is a perceptron not a full neural network. That changes how the question works. (It is a trick question to get you to think about the differences between neural networks and perceptrons) -10 points”

Task 5:

Classification accuracy would be lower. If all the values are set to 0 the gradient vector will also be 0. Doing gradient descent on a 0 vector will lead to none of the parameters being updated throughout the learning process which would mean the model learned nothing, causing the classification accuracy to be low.