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CS3120
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5. The dimensions of weight matrix 1 are 3 x 6 and the dimensions of weight matrix 2 are 6 x 2.

6. The following samples are tested as below:

The prediction for X1 = [0, 0, 0] is the first row y1 = [0.05736301, 0.94320483] approximately [0, 1]

The prediction for X1 = [1, 1, 1] is the first row y1 = [0.0246024, 0.97537438] approximately [0, 1]