

MEMC-5173

Intelligent Tools for Engineering Applications

Assignment #4

Due time: 5:30PM, Wednesday, March 20

Q.1

Question 5-5 in Book 2.

Q. 2

Redo Example 4.1 in Book 1 but with $\mathbf{W}^{(1)} = [1, -1, 0, -1]^T$, $\eta = 0.5$.

Q. 3

Question 4.3(a) in Book 1.

Q. 4

Book 1:

Use the same training patterns as those in Example 5.1. Assume all initial link weights are 0.5, learning rate $\eta = 0.2$, and maximum tolerable error $E_{\max} = 0.01$. Training should be undertaken over at least 2 epochs.