NML502 HW #3

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Problem 3

Problem 3a

Recall Accuracy

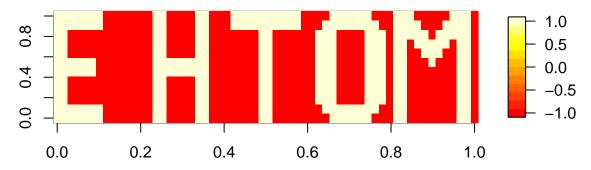
• Learning Rate: 0.001

• Max Number of Learning Steps: 1000

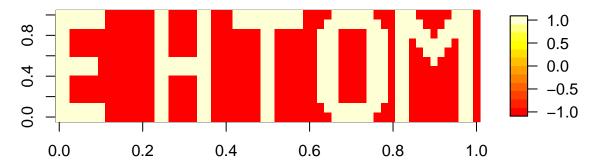
• Error Threshold: 0.0000001

• Error Measure: As defined in errcorr.m

Original Input and Desired Output



Memory Recall



Problem 3b

25% Input Corruption Recall Accuracy

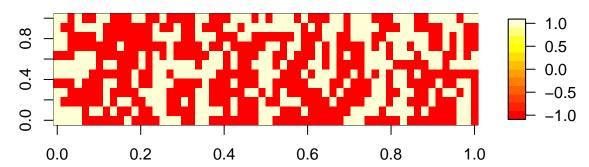
• Learning Rate: 0.001

• Max Number of Learning Steps: 1000

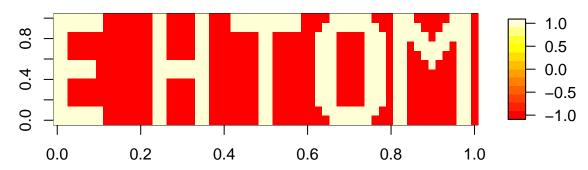
• Error Threshold: 0.0000001

• Error Measure: As defined in errcorr.m

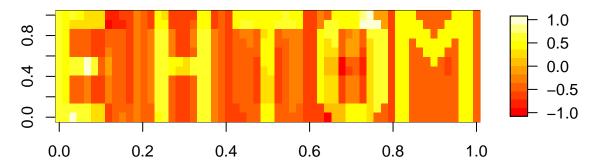
Original Input



Desired Output



Memory Recall



50% Input Corruption Recall Accuracy

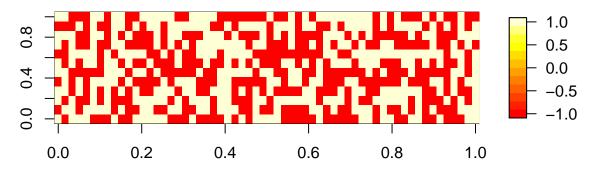
• Learning Rate: 0.001

• Max Number of Learning Steps: 1000

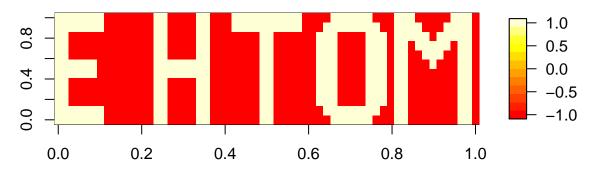
• Error Threshold: 0.0000001

• Error Measure: As defined in errcorr.m

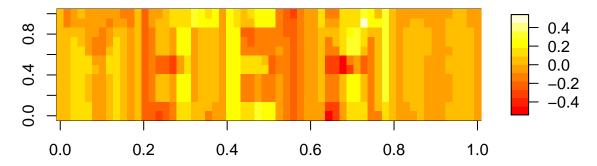
Original Input



Desired Output



Memory Recall



Problem 3c

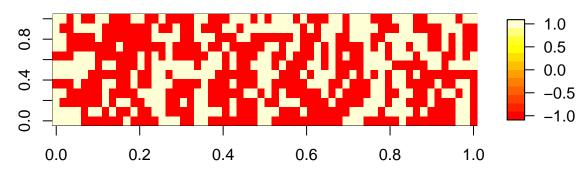
Corrupted Memory Recall Accuracy

Learning Rate: 0.001Max Number of Learning Steps: 1000

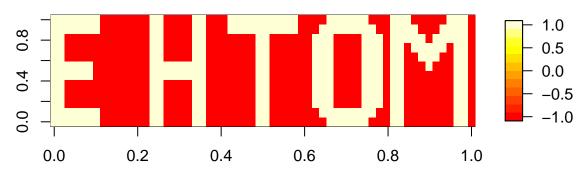
• Error Threshold: 0.0000001

• Error Measure: As defined in errcorr.m

Original Input



Desired Output



Memory Recall

