Neural Networks

Lab 3 - 2.Theory Questions

Karamoulas Eleftherios - S3261859

Tzafos Panagiotis - S3302148

2.a



2.b

2.c The two key features of the weights in Hopfield network are the symmetry of the weights between two nodes and the sign of the weight if its positive they weight tries to stabilize the nodes with same values and if its negative it tries to apply different values.

2.d First of all we have to see from which state we start and then we have three different possibilities which depend on which neuron will fire and then we compute the summation of outgoing weights multiplied with the others neuron value (0 or 1).

2.e

2.f