**HW #2**

**CPS 584**

1. Use a fully connected two layer neural network to classify the same dataset of Hw#1 (for both questions). The first layer (input layer) has four neurons and the second layer (output layer) has only one neuron. You should use the sigmoid activation function and the same learning rules that was discussed in the class. Please print the input, Ws, and output values after training. Also explain your experience with this network in compare with the one you did in HW#1.