

HW# 7

Application of Neural Network (CpE 520)

Due date: Oct. 12th , 2021

Q.1: Figure below shows a neural network involving a single hidden neuron for solving XOR problem. Show this network solves the XOR problem by constructing (a) decision regions, and (b) a truth table for the network. **Activation function is the Step function for all the neurons.**

Input	Output
00	0
01	1
10	1
11	0

