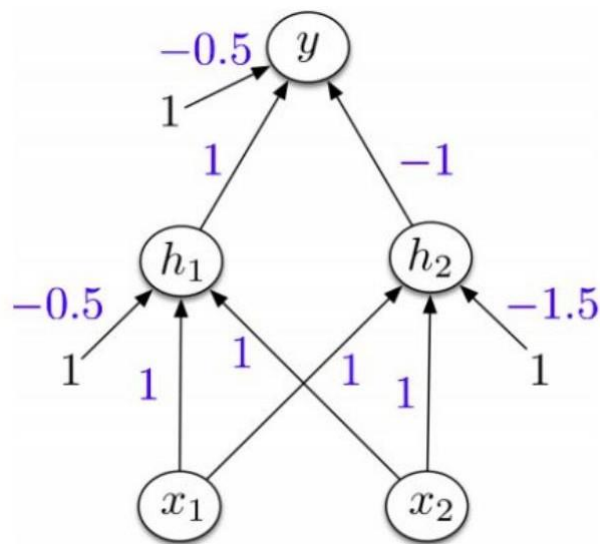


Deep Learning Lab

11/9/2020

Due date: 13 September 2020, 23:59

In this lab, you will implement Multilayer Perceptron that computes the XOR function. The network with weights is provided below. Your task is to represent the network as an adjacency matrix and use it to perform calculations. Activation function is a simple threshold with $t = 0$. Verify your implementation on all 4 possible inputs (0, 0), (0, 1), (1, 0), (1, 1).



Submission

Please zip all your files and submit them through Moodle before the deadline. Late submissions will lose 20 points for each day.

Labs should be completed individually. In the event that academic misconduct such as plagiarism or cheating is discovered, the student will receive no credit for the work, and the event reported to the Dean of your school. Please consult the Academic Integrity Statement given in the syllabus for more details about academic honesty.