ECSE 4965/6965

Introduction to Deep Learning

**Assignment #7**

Due 4 pm, April 23th

Follow the room example in the lecture notes, perform Q learning using the deterministic model-free equation to update the Q function after each of the following five episodes. Use the same reward and Q function initializations.

* Episode 1: at room 1, go to room 5
* Episode 2: at room 2, go to room 3
* Episode 3: at room 3, go to room 4
* Episode 4: at room 4, go to room 0
* Episode 5: at room 5, go to room 1

Give the updated Q table after each episode and show the updated reward table after the five episodes.