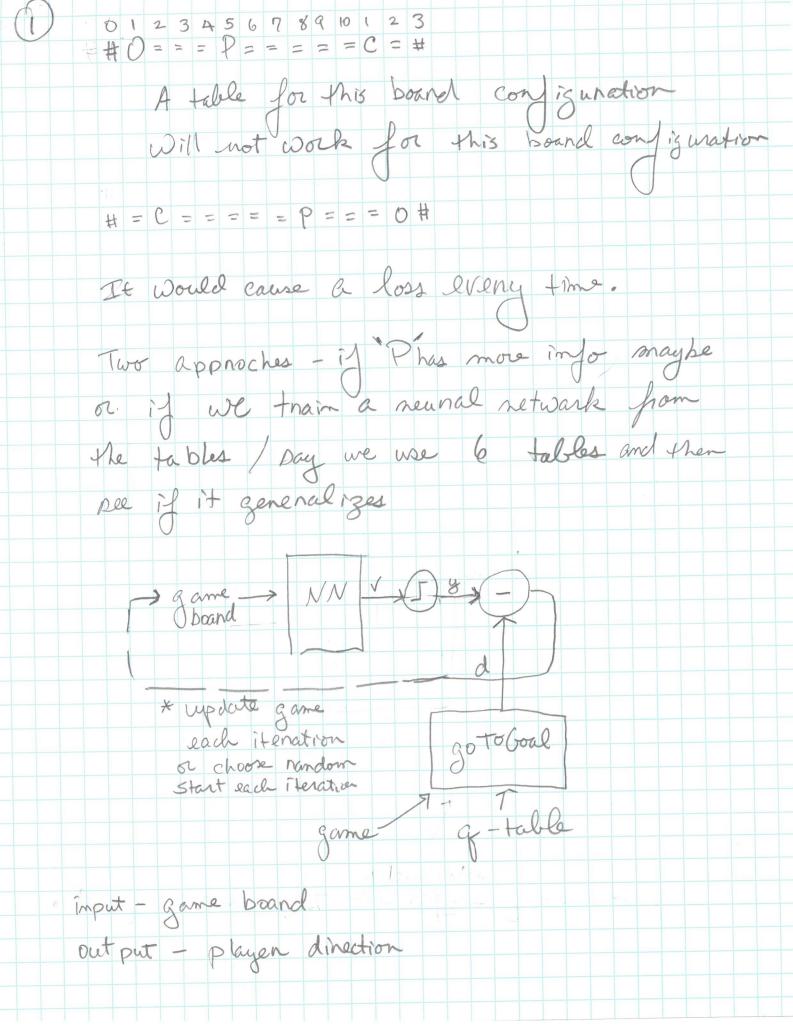
O-Leanning Reinforcement notes

O Generalization using grables and machine

Dearning explore/ Regular -> build Hanagable State space exploit. here we try to build the table completely, 3 · With careful exploration, it seems like we could cover all states o this is possible because the states are of a manaable finite # states a head of time and work back to good in the exploration. We could identify non visited states emel start · We could intentionally take less than op timalt paths A Once table is bailt, how do we generalize om benowledge?



anchitetures for training the NN Dere we need in put / desired value pains The next step is to let the q Table and the go To Goal Junction provide the desired value - d · We can switch back and forth between 2 or more games and their of Habbs O=P===C cheese on right C = = P = = 0 cheese on left. Neunal net should generalize and always pend P to cheese

3) Implementation Details

Set o Develop 9-table for cheese on night > play a game. During the game, will he orecord each game board - these impute o each action Otaken as suided by the a-table - these will become decined values · Do the above for a game with cheese on the left. Step create an imput pet with the cames played, that is, the nocorded steps of the games Played, each step has its matching desired value, as directed by the q table. imputo = [[imputo] [imputi] ----- [imput n-1] desired = [[do], [d.] - [dn-1] o Using neuro lab, create a pencepthon and train it with the inputs and desired values o use net. Dim to test the network