

## CSE 4309 Assignment 8

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Due date: 5 December 2024

### Task 2:

`AgentModel_Q_Learning_Passive("environment2.txt", "policy2_04_09.txt", -0.04, 0.9, 100000)`

```
Q-Learning Passive: ntr = -0.0400, gamma = 0.9000, moves = 100000
utilities:
  0.326  0.483  0.726  1.000
  0.204  0.000  0.512 -1.000
  0.107  0.197  0.329  0.107

Passive Q-Learning took 14.50 seconds to run.
```

`AgentModel_Q_Learning_Passive("environment2.txt", "policy2_04_09.txt", -0.04, 0.9, 1000000)`

```
Q-Learning Passive: ntr = -0.0400, gamma = 0.9000, moves = 1000000
utilities:
  0.326  0.483  0.726  1.000
  0.204  0.000  0.512 -1.000
  0.107  0.197  0.329  0.107

Passive Q-Learning took 140.82 seconds to run.
```