Task 1

The utilities is slightly off. Primarily in the bottom right corner of the results. The policy looks to be correct. I am still combing through my code to see if I can find a bug that would be causing this.

AgentModel_Q_Learning("environment2.txt", -0.01, 0.99, 10000, 1000)

utilities:
```
0.908  0.932  0.946  1.000
0.893  0.000  0.851 -1.000
0.872  0.846  0.854  0.845
```

policy:
```
 >    >    >    o
 ^    x    <    o
 ^    <    ^    <
```

Active Q-Learning took 0.16 seconds to run.

AgentModel_Q_Learning("environment2.txt", -0.04, 0.9, 3000000, 50000)

utilities:

```
0.518  0.659  0.806  1.000

0.406  0.000  0.598 -1.000

0.311  0.343  0.445  0.307
```

policy:

```
 >    >    >    o

 ^    x    ^    o

 ^    >    ^    <
```

Active Q-Learning took 50.12 seconds to run.