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| EXPERIMENT NUMBER | PARAMETERS CHOSEN | RESULTS |
| 1 | Discount factor : 0.95  CNN layer 1 size= 5  CNN layer 2 size = 3  Learning rate = 0.0002  Epsilon = 1.0  Epsilon final = 0.1  No. of Iterations = 5000 | Win Rate: 16/20 Testing Accuracy = 0.8  Training iterations=4980  Testing Iterations = 20 |
| 2 | Discount factor : 0.95  CNN layer 1 size= 5  CNN layer 2 size = 5  Learning rate = 0.0002  Epsilon = 1.0  Epsilon final = 0.1  No. of Iterations = 5000 | Win Rate = 18/20 Testing Accuracy = 0.9  Training iterations=4980  Testing Iterations = 20 |
| 3 | Discount factor : 0.85  CNN layer 1 size= 5  CNN layer 2 size = 5  Learning rate = 0.0002  Epsilon = 1.0  Epsilon final = 0.1  No. of Iterations = 5000 | Win Rate = 17/20 Testing Accuracy = 0.85  Training iterations=4980  Testing Iterations = 20 |
| 4 | Discount factor : 0.99  CNN layer 1 size= 5  CNN layer 2 size = 5  Learning rate = 0.0002  Epsilon = 1.0  Epsilon final = 0.1  No. of Iterations = 5000 | Win Rate = 19/20 Testing Accuracy = 0.95  Training iterations=4980  Testing Iterations = 20 |
| 5 | Discount factor : 0.99  CNN layer 1 size= 5  CNN layer 2 size = 5  Learning rate = 0.0002  Epsilon = 1.0  Epsilon final = 0.1  No. of Iterations = 1000 | Win Rate = 4/20 Testing Accuracy = 0.20  Training iterations=980  Testing Iterations = 20 |
| 6 | Discount factor : 0.99  CNN layer 1 size= 5  CNN layer 2 size = 3  Learning rate = 0.0004  Epsilon = 1.0  Epsilon final = 0.1  No. of Iterations = 1000 | Win Rate: 12/20 Testing Accuracy = 0.6  Training iterations=980  Testing Iterations = 20 |
| 2 | Discount factor : 0.95  CNN layer 1 size= 5  CNN layer 2 size = 5  Learning rate = 0.0002  Epsilon = 1.0  Epsilon final = 0.1  No. of Iterations = 5000 | Win Rate = 18/20 Testing Accuracy = 0.9  Training iterations=4980  Testing Iterations = 20 |
| 3 | Discount factor : 0.85  CNN layer 1 size= 5  CNN layer 2 size = 5  Learning rate = 0.0002  Epsilon = 1.0  Epsilon final = 0.1  No. of Iterations = 5000 | Win Rate = 17/20 Testing Accuracy = 0.85  Training iterations=4980  Testing Iterations = 20 |
| 4 | Discount factor : 0.99  CNN layer 1 size= 5  CNN layer 2 size = 5  Learning rate = 0.0002  Epsilon = 1.0  Epsilon final = 0.1  No. of Iterations = 5000 | Win Rate = 19/20 Testing Accuracy = 0.95  Training iterations=4980  Testing Iterations = 20 |
| 5 | Discount factor : 0.99  CNN layer 1 size= 5  CNN layer 2 size = 5  Learning rate = 0.0002  Epsilon = 1.0  Epsilon final = 0.1  No. of Iterations = 1000 | Win Rate = 4/20 Testing Accuracy = 0.20  Training iterations=980  Testing Iterations = 20 |