

Report Rock Paper Scissors

1 Game Agent

The first dumb agent (SimpleCycleAgent) is just a simple cycle made to beat the Rock, Paper, Scissors cycle. It doesn't react to the other agent and always play this cycle. This agent was made just to see the behavior (of both of the agents) when such a simple one is playing.

The second agent (BiggerCycleAgent) is another dumb cycle, but bigger. It chooses a random cycle size from 1000 to 10000 and randomly populates the cycle. Once it's done, it just iterates through the cycle, without any reaction. This was done to improve the challenge of finding a cycle, since this can be really tricky for other agents. Depending on the size of the cycle it's not really different from the RandomAgent.

The third agent (StatisticAgent) is "smarter", in the sense that it reacts to the other player. It counts the frequency of a movement and plays the action that would beat the most played action by the opponent. This was actually the first idea, but I think it would have been more successful against humans, since we are horrible at randomness.

2 Results

3 Performance Discussion

4 Other Approaches

5 Conclusion