F29AI Coursework 2, Part 1

Tic-Tac-To: Markov Decision Processes & Reinforcement Learning

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Question 2: Value Iteration Agent

The value iteration agent was played against the random, defensive and aggressive agents for 50 iterations, and the following results have been recorded:

AGENT	WINS	LOSSES	DRAWS
Random Agent	50	0	0
Defensive Agent	43	0	7
Aggressive Agent	50	0	0

The agent has a discount factor of 0.9, a local reward and a living reward. The above table also notes that the value iteration agent never loses, it either wins or gets a draw against the opposing agent.