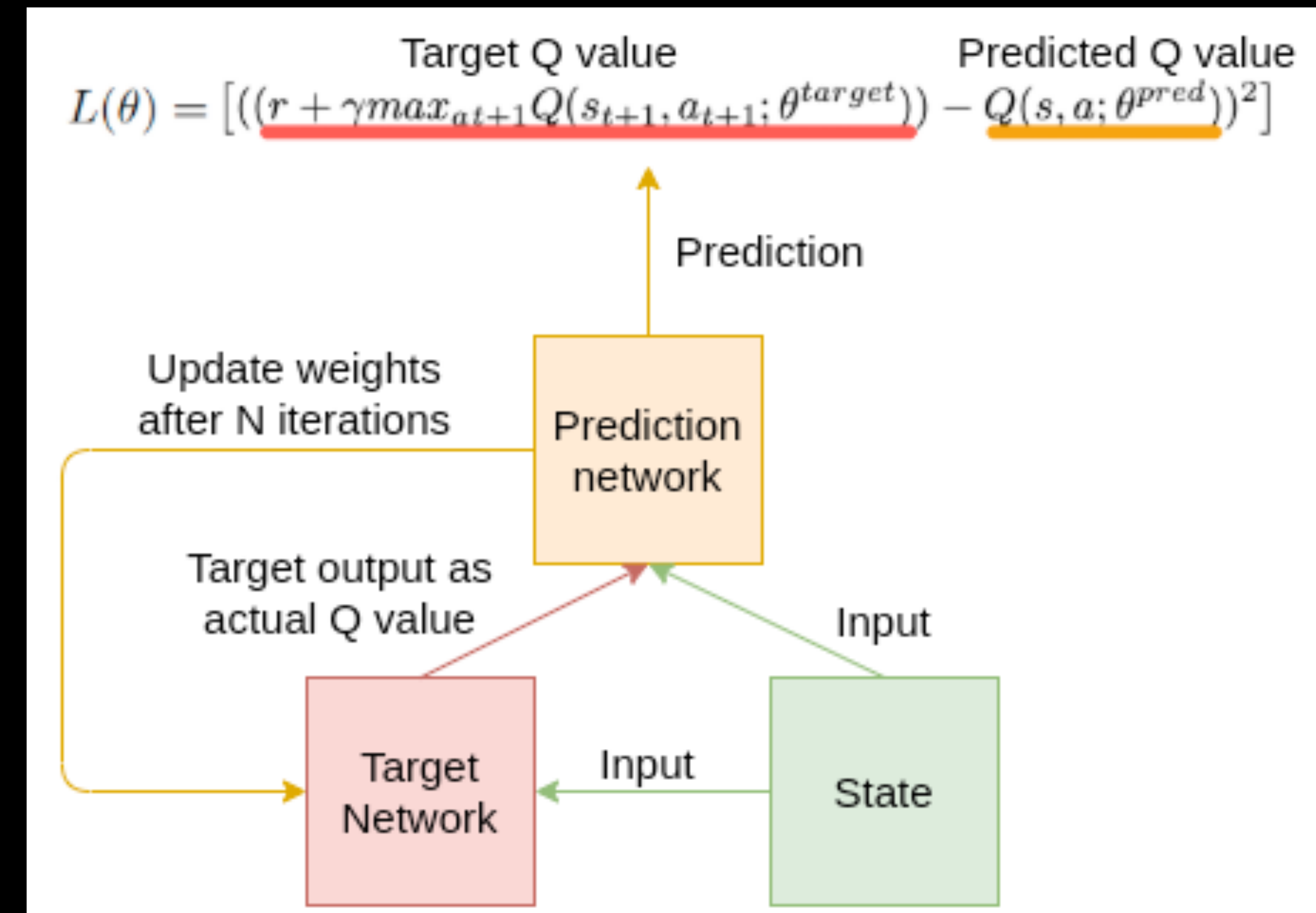


Deep Reinforcement Learning

Algorithm: Deep Q Learning

- DQN uses deep learning to approximate the Q-function in reinforcement learning
- DQN combines experience replay and fixed Q-targets to stabilize learning
- DQN can handle high-dimensional, nonlinear environments



Deep Reinforcement Learning

This project

- **Model Free:**
 - A multiplayer game with limited view of the field implies unknown transition probabilities
 - Explored: DQN, A2C, PPO
 - **Will focus on DQN - the best model found (within the scope of this project)**