**Spring 2022 Introduction to Artificial Intelligence**

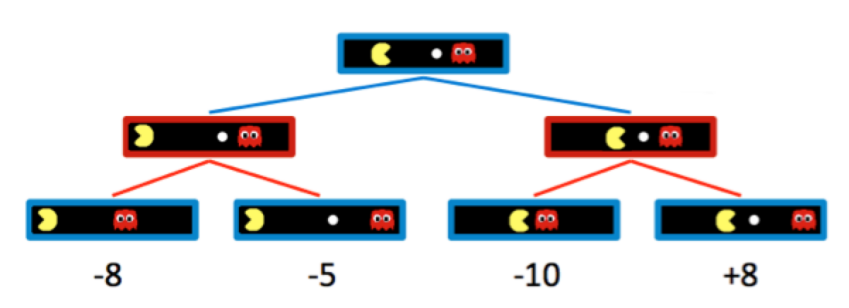
**Report of Homework #1**

Student name: 劉子齊 Jonathan

Student ID: 0716304

**Part 1 : Adversarial search**

Part 1-1: Minimax Search



Part 1-2: Expectimax Search

Part 1-3: Evaluation Function (Bonus)

**Part 2 : Q-learning**

Part 2-1: Value Iteration

Part 2-2: Q-learning

Part 2-3: epsilon-greedy action selection

Part 2-4: Approximate Q-learning

**Part 3 : DQN**

**Part 4 : Try other SOTA methods (Bonus)**