ForagaxTwoBiome-v7 DQN 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 **Average Reward** 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 0.8 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 0.8 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 0.8 0.6 0.4 0.2 0.0 1.2 1.0 **Average Reward** 0.8 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 **Average Reward** Then many with the properties of the properties 8.0 0.6 0.4 0.2 0.0 1.2 When when we will the same with the same wit 1.0 **Average Reward** 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 **Average Reward** 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward

Average Reward

Average Reward

Average Reward DQN DQN (Frozen) Search (Brown, Avoid Green) Search (Oracle) 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 0.8 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 **Average Reward** 8.0 0.6 0.4 0.2 0.0 1.2 1.0 **Average Reward** 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 **Average Reward** 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 0.8 0.6 0.4 0.2 0.0 1.2 1.0 **Average Reward** 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 8.0 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 0.8 0.6 0.4 0.2 0.0 1.2 1.0 Average Reward 0.8 0.6 0.4 0.2 0.0 0.4 0.6 Time steps 1.0 ×10⁷ 0.0 0.2 8.0 0.6