

Figure 1: Heuristic approaches compared a Q-learning approach, with an NK landscape of  $N = 14$  and  $K = 1$ .

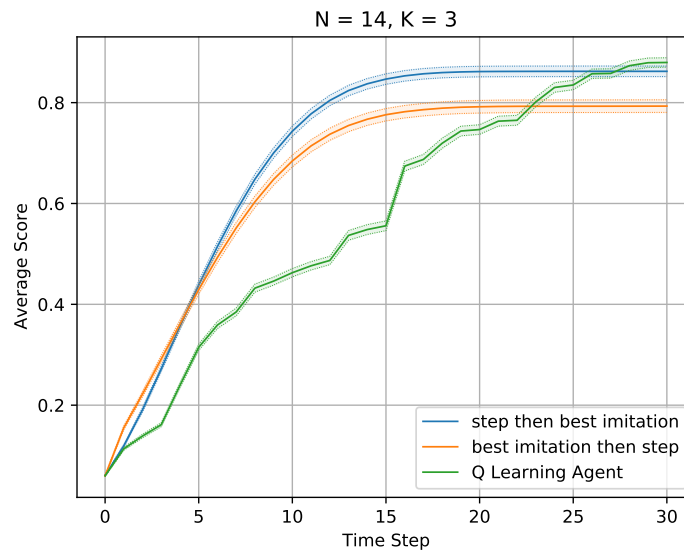


Figure 2: Heuristic approaches compared a Q-learning approach, with an NK landscape of  $N = 14$  and  $K = 3$ .

## Notes

- Learning rate of 0.05
- deadline of 30
- regular graph
  - 30 nodes
  - 5 degrees per node
- trained over 10,000 episodes
- tested over 1,000 episodes

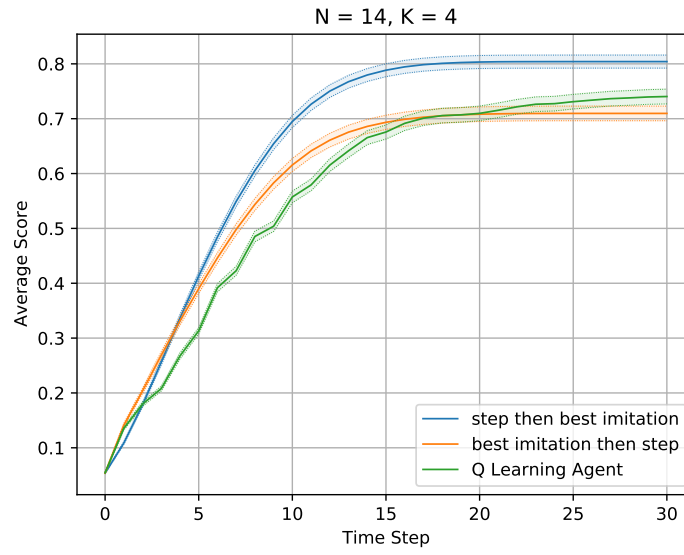


Figure 3: Heuristic approaches compared a Q-learning approach, with an NK landscape of  $N = 14$  and  $K = 4$ .

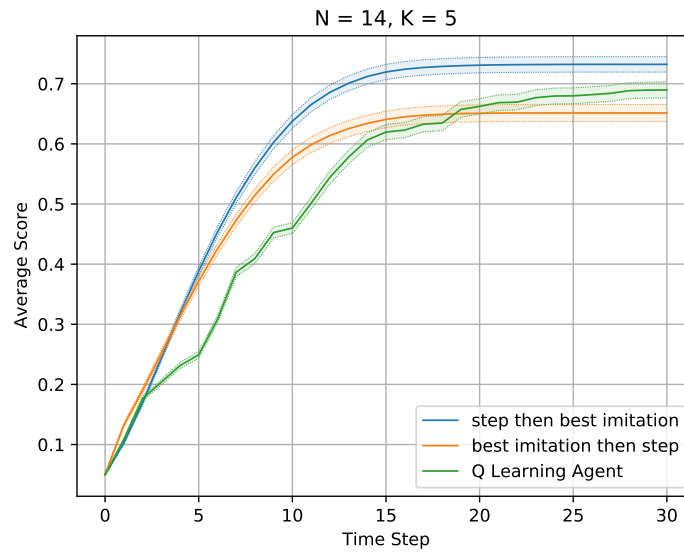


Figure 4: Heuristic approaches compared a Q-learning approach, with an NK landscape of  $N = 14$  and  $K = 5$ .

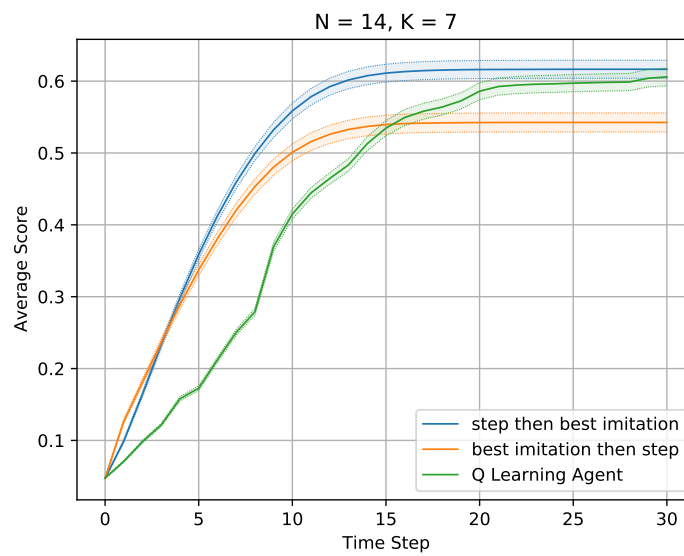


Figure 5: Heuristic approaches compared a Q-learning approach, with an NK landscape of  $N = 14$  and  $K = 7$ .

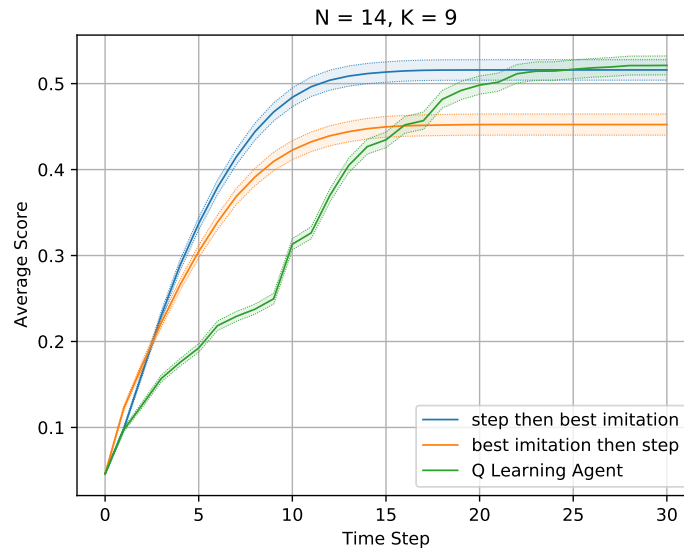


Figure 6: Heuristic approaches compared a Q-learning approach, with an NK landscape of  $N = 14$  and  $K = 9$ .

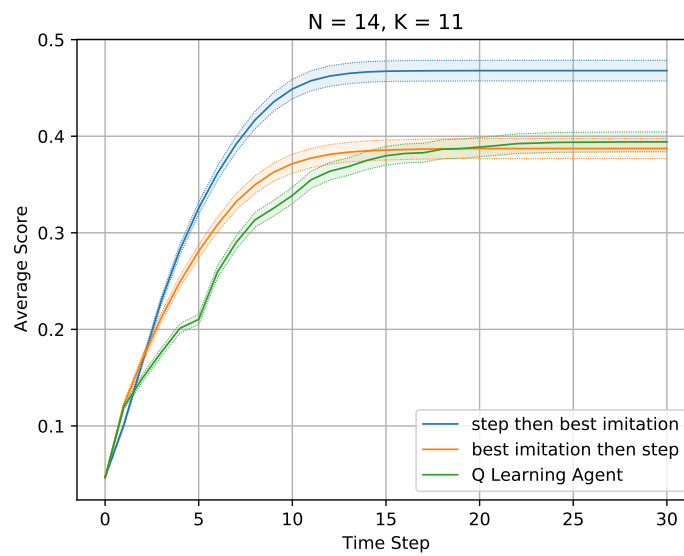


Figure 7: Heuristic approaches compared a Q-learning approach, with an NK landscape of  $N = 14$  and  $K = 11$ .