Evaluation function Heuristic report:

The project required an analysis of different kinds of heuristics used for evaluation functions. I've tried three different heuristics and compared their performances:

1. custom_score_2:

This function returns puts a higer scores for moves that employ an aggressive game tactic. It has the effect of chasing and trying to corner the opponent. During the search it returns ($own_moves - 3 * opponent_moves$)

2. custom_score_3:

This function penalizes those moves that are nearer to the walls of the board, since those positions restrict the number of possible moves that can be made. This becomes important as the game progresses.

3. custom score:

This function combines the techniques involved in the above two functions by using them and adjusting the relative importance of each.

Based on the heuristics, these are the respective scores and their relative performances:

*custom_score_***2**, the one employing aggressive gameplay has the most performance gain, over other heuristics. Will keep experimenting with more heuristics.