Match # Opponent AB\_Improved AB\_Custom AB\_Custom\_2 AB\_Custom\_3

Won | Lost Won | Lost Won | Lost Won | Lost

1 Random 10 | 0 9 | 1 9 | 1 9 | 1

2 MM\_Open 8 | 2 7 | 3 7 | 3 6 | 4

3 MM\_Center 10 | 0 9 | 1 8 | 2 10 | 0

4 MM\_Improved 6 | 4 8 | 2 7 | 3 7 | 3

5 AB\_Open 7 | 3 5 | 5 5 | 5 6 | 4

6 AB\_Center 5 | 5 7 | 3 5 | 5 7 | 3

7 AB\_Improved 5 | 5 6 | 4 6 | 4 4 | 6

--------------------------------------------------------------------------

Win Rate: 72.9% 72.9% 67.1% 70.0%

Your ID search forfeited 98.0 games while there were still legal moves available to play.

AB\_Custom\_3: first compute the moves’ difference. When it is not zero, return it. Otherwise return the difference between player’s distance to the center and the opponent’s distance to the center. It performs well against all types of players except those using open moves.

AB\_Custom\_2: first compute the moves’ difference. When it is not zero, return it. Otherwise return the difference between player’s distance to the center and the opponent’s distance to the center when this difference is not zero. Otherwise it returns the difference between number of blank spaces around player and the number of spaces around the opponent. It is only as good as those other AB players with simple evaluations. Not as good as AB\_Custom\_3.

AB\_Custom: first compute the moves’ difference. When it is not zero, return it. Otherwise return the difference between player’s distance to the center and the opponent’s distance to the center when this difference is not zero. Otherwise it returns the difference between number of blank spaces around player and the number of spaces around the opponent when this difference is not zero. Otherwise it return the distance between the two players. It outperforms AB\_Custom\_2 and AB\_Custom\_3

Recommendation: Based on the results, AB\_Custom is recommended to use.