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# *****
#           Playing Matches
# *****
#
# 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       8 | 2       8 | 2
#   2       MM_Open     5 | 5       5 | 5       6 | 4       7 | 3
#   3       MM_Center   9 | 1      10 | 0       9 | 1       9 | 1
#   4       MM_Improved 6 | 4       4 | 6       3 | 7       3 | 7
#   5       AB_Open     5 | 5       5 | 5       4 | 6       5 | 5
#   6       AB_Center   6 | 4       7 | 3       3 | 7       5 | 5
#   7       AB_Improved 4 | 6       6 | 4       7 | 3       6 | 4
# -----
#           Win Rate:    64.3%      65.7%      57.1%      61.4%

```

AB_Custom

In addition to maximizing own moves while minimizing opponent's moves, we prefer moves that result in more overlapping moves because it gives a higher chance to block opponent's moves.

AB_Custom_2

Custom 2 is similar to the AB_Improved but we amplify the effect of the difference between the number of player's and opponent's moves. By taking a square between the difference allow us to distinguish between 2 vs 1 and 5 vs 4. Custom 2 will prefer moves that generate more opportunities for player.

AB_Custom_3

Be more aggressive as we progress in the game.

CONCLUSION

AB_Custom won because the game of isolation is to stop opponent from moving so going where the overlapping moves are will increase the chance of blocking.