

Isolation Game Minimax Score Function

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My custom function's algorithm:

So my function gives a higher score if the player is not beside the edge of the board, this is reasonable as the "L" move will be very limited if the player location is at the edge of the board.

So I use the basic difference method between "available moves for the player" and "available moves for the opponent", but multiplied with a higher coefficient if the player is not beside the edge of the board.

This coefficient was chosen to be 1.2 after some trials.

Results of ID_Improved and my method:

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Results:
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ID_Improved          67.50%

*****
Evaluating: Omar|WID170709
*****

Playing Matches:
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Match 1: Omar|WID170709 vs Random      Result: 184 to 16
Match 2: Omar|WID170709 vs MM_Null     Result: 163 to 37
Match 3: Omar|WID170709 vs MM_Open     Result: 127 to 73
Match 4: Omar|WID170709 vs MM_Improved Result: 103 to 97
Match 5: Omar|WID170709 vs AB_Null     Result: 163 to 37
Match 6: Omar|WID170709 vs AB_Open     Result: 131 to 69
Match 7: Omar|WID170709 vs AB_Improved Result: 143 to 57

Results:
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Omar|WID170709       72.43%
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