

~/Desktop via  base

→ ./othello.sh

!OTHELLO!

Choose player using BLACK:

Player's to choose from : human,random,alpha,expec,minmax,

> expec

Choose Level 1.Easy 2.Medium 3.Hard

> 3

Choose player using WHITE:

Player's to choose from : human,random,alpha,expec,minmax,

> expec

Choose Level 1.Easy 2.Medium 3.Hard

> 1

Move made by '@' is: 34 in 0.000842 seconds

Move made by 'o' is: 35 in 0.049132 seconds

Move made by '@' is: 26 in 689.667279 seconds

Move made by 'o' is: 25 in 0.24981 seconds

Move made by '@' is: 24 in 1615.910797 seconds

Move made by 'o' is: 17 in 0.408954 seconds

Move made by '@' is: 27 in 1900.681019 seconds

Move made by 'o' is: 23 in 0.352785 seconds

Move made by '@' is: 36 in 4834.362291 seconds

Move made by 'o' is: 28 in 0.611927 seconds

Move made by '@' is: 12 in 4439.700313 seconds

Move made by 'o' is: 37 in 0.45172 seconds

Move made by '@' is: 14 in 1758.580939 seconds

Move made by 'o' is: 22 in 0.295055 seconds

Move made by '@' is: 15 in 1956.855707 seconds

Move made by 'o' is: 56 in 0.234023 seconds

Move made by '@' is: 21 in 9043.112687 seconds

Move made by 'o' is: 64 in 0.22182 seconds

Move made by '@' is: 33 in 272.553922 seconds

Move made by 'o' is: 32 in 0.033798 seconds

Move made by '@' is: 48 in 663.280727 seconds

Move made by 'o' is: 47 in 0.180424 seconds

Move made by '@' is: 58 in 726.498659 seconds

Move made by 'o' is: 57 in 0.140547 seconds

Move made by '@' is: 46 in 1342.043158 seconds

Move made by 'o' is: 38 in 0.101595 seconds

Move made by '@' is: 41 in 1793.111053 seconds

Move made by 'o' is: 31 in 0.102616 seconds

Move made by '@' is: 42 in 1433.826348 seconds

Move made by 'o' is: 51 in 0.127052 seconds

Move made by '@' is: 43 in 1476.379189 seconds

Move made by 'o' is: 53 in 0.089752 seconds

Move made by '@' is: 16 in 419.273319 seconds

Move made by 'o' is: 13 in 0.038251 seconds

Move made by '@' is: 52 in 269.868643 seconds

Move made by 'o' is: 65 in 0.108501 seconds

Move made by '@' is: 76 in 316.928705 seconds

Move made by 'o' is: 75 in 0.153422 seconds

Move made by '@' is: 85 in 466.941537 seconds

Move made by 'o' is: 74 in 0.132636 seconds

Move made by '@' is: 84 in 414.539843 seconds

Move made by 'o' is: 87 in 0.110598 seconds

Move made by '@' is: 77 in 161.944321 seconds

Move made by 'o' is: 67 in 0.080158 seconds

Move made by '@' is: 78 in 84.445121 seconds

Move made by 'o' is: 66 in 0.057395 seconds

Move made by '@' is: 68 in 13.318294 seconds

Move made by 'o' is: 86 in 0.036205 seconds

Move made by '@' is: 63 in 24.438666 seconds

Move made by 'o' is: 72 in 0.031246 seconds
Move made by '@' is: 62 in 5.627967 seconds
Move made by 'o' is: 71 in 0.021664 seconds
Move made by '@' is: 61 in 0.639805 seconds
Move made by 'o' is: 83 in 0.004489 seconds
Move made by '@' is: 73 in 0.034479 seconds
Move made by 'o' is: 82 in 0.003006 seconds
Move made by '@' is: 18 in 0.001896 seconds
Move made by 'o' is: 11 in 0.000701 seconds
Move made by '@' is: 81 in 0.000281 seconds
Move made by 'o' is: 88 in 0.000213 seconds
Black wins!

Score for BLACK is: 33 and WHITE is: 31

Total time taken by Black(@) is: 36124.567807 seconds and average per move is: 1204.1522602333332

Total time taken by White(o) is: 4.429495 seconds and average per move is: 0.14764983333333334

1 2 3 4 5 6 7 8

1 o @ @ @ @ @ @ @

2 o o o o @ o @ @

3 o @ o @ @ @ o @

4 o o @ o @ @ o @

5 o @ o @ o o @ @

6 o @ @ o o o @ @

7 o @ o @ @ @ o @


8 @ o o o o o o o

./othello.sh: line 3: alpha: command not found

./othello.sh: line 4: 3: command not found

./othello.sh: line 5: expect: command not found

./othello.sh: line 6: 3: command not found

~/Desktop via  base took 10h 2m 15s

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