

~/Desktop via  base

→ ./othello.sh

!OTHELLO!

Choose player using BLACK:

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

> minmax

Choose Level 1.Easy 2.Medium 3.Hard

> 3

Choose player using WHITE:

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

> alpha

Choose Level 1.Easy 2.Medium 3.Hard

> 2

Move made by '@' is: 34 in 0.000648 seconds

Move made by 'o' is: 53 in 0.104503 seconds

Move made by '@' is: 66 in 23.78048 seconds

Move made by 'o' is: 56 in 0.164752 seconds

Move made by '@' is: 62 in 94.851853 seconds

Move made by 'o' is: 36 in 0.393292 seconds

Move made by '@' is: 57 in 62.239103 seconds

Move made by 'o' is: 65 in 0.263644 seconds

Move made by '@' is: 76 in 148.300529 seconds

Move made by 'o' is: 67 in 0.841338 seconds

Move made by '@' is: 78 in 438.191417 seconds

Move made by 'o' is: 58 in 0.241487 seconds

Move made by '@' is: 47 in 107.023176 seconds

Move made by 'o' is: 75 in 0.167673 seconds

Move made by '@' is: 85 in 160.384634 seconds

Move made by 'o' is: 52 in 0.087679 seconds

Move made by '@' is: 48 in 694.773942 seconds

Move made by 'o' is: 38 in 0.760942 seconds

Move made by '@' is: 51 in 470.871381 seconds

Move made by 'o' is: 74 in 0.213997 seconds

Move made by '@' is: 37 in 139.240516 seconds

Move made by 'o' is: 86 in 0.590268 seconds

Move made by '@' is: 87 in 286.390668 seconds

Move made by 'o' is: 63 in 0.597669 seconds

Move made by '@' is: 43 in 364.599766 seconds

Move made by 'o' is: 33 in 0.85519 seconds

Move made by '@' is: 32 in 768.045546 seconds

Move made by 'o' is: 64 in 1.000448 seconds

Move made by '@' is: 84 in 495.673828 seconds

Move made by 'o' is: 23 in 0.995401 seconds

Move made by '@' is: 12 in 840.692124 seconds

Move made by 'o' is: 31 in 1.085461 seconds

Move made by '@' is: 73 in 469.295626 seconds

Move made by 'o' is: 35 in 0.516317 seconds

Move made by '@' is: 22 in 275.496878 seconds

Move made by 'o' is: 11 in 0.494429 seconds

Move made by '@' is: 21 in 177.563378 seconds

Move made by 'o' is: 61 in 0.609868 seconds

Move made by '@' is: 71 in 146.794651 seconds

Move made by 'o' is: 42 in 0.372121 seconds

Move made by '@' is: 46 in 73.224343 seconds

Move made by 'o' is: 26 in 0.251494 seconds

Move made by '@' is: 27 in 71.061269 seconds

Move made by 'o' is: 18 in 0.228639 seconds

Move made by '@' is: 17 in 29.195497 seconds

Move made by 'o' is: 68 in 0.163623 seconds
Move made by '@' is: 25 in 13.167642 seconds
Move made by 'o' is: 88 in 0.123003 seconds
Move made by '@' is: 77 in 2.995571 seconds
Move made by 'o' is: 41 in 0.062846 seconds
Move made by '@' is: 24 in 0.392452 seconds
Move made by 'o' is: 81 in 0.022511 seconds
Move made by '@' is: 72 in 0.046309 seconds
Move made by 'o' is: 83 in 0.011898 seconds
Move made by '@' is: 82 in 0.010841 seconds
Move made by 'o' is: 16 in 0.004488 seconds
Move made by '@' is: 28 in 0.003006 seconds
Move made by 'o' is: 13 in 0.000407 seconds
Move made by '@' is: 15 in 0.000297 seconds
Move made by 'o' is: 14 in 0.000151 seconds

White wins!


Score for BLACK is: 24 and WHITE is: 40

Total time taken by Black(@) is: 6354.307371 seconds and average per move is: 211.8102457

Total time taken by White(o) is: 11.225539000000001 seconds and average per move is:
0.374184633333333335

1 2 3 4 5 6 7 8
1 o o o o o o o o
2 @ o o o o @ @ @
3 o @ @ o o o @ o
4 o @ o @ @ o @ o
5 o o @ @ @ o @ o
6 o @ @ @ o o @ o
7 o @ @ 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 1h 47m 0s

→