

~/Desktop via  base

→ ./othello.sh

!OTHELLO!

Choose player using BLACK:

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

> alpha

Choose Level 1.Easy 2.Medium 3.Hard

> 3

Choose player using WHITE:

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

> minmax

Choose Level 1.Easy 2.Medium 3.Hard

> 3

Move made by '@' is: 43 in 0.000352 seconds

Move made by 'o' is: 53 in 7.159703 seconds

Move made by '@' is: 66 in 1.839924 seconds

Move made by 'o' is: 33 in 51.042473 seconds

Move made by '@' is: 63 in 4.922403 seconds

Move made by 'o' is: 77 in 118.321061 seconds

Move made by '@' is: 42 in 3.585703 seconds

Move made by 'o' is: 51 in 71.860536 seconds

Move made by '@' is: 88 in 5.625633 seconds

Move made by 'o' is: 56 in 70.46022 seconds

Move made by '@' is: 46 in 12.008786 seconds

Move made by 'o' is: 57 in 389.546507 seconds

Move made by '@' is: 65 in 19.403236 seconds

Move made by 'o' is: 76 in 704.918673 seconds

Move made by '@' is: 86 in 25.348487 seconds

Move made by 'o' is: 75 in 189.046091 seconds

Move made by '@' is: 68 in 10.503081 seconds

Move made by 'o' is: 78 in 828.654862 seconds

Move made by '@' is: 84 in 17.997224 seconds

Move made by 'o' is: 47 in 443.182097 seconds

Move made by '@' is: 34 in 9.195934 seconds

Move made by 'o' is: 67 in 636.105475 seconds

Move made by '@' is: 23 in 20.503531 seconds

Move made by 'o' is: 12 in 806.743708 seconds

Move made by '@' is: 25 in 21.68736 seconds

Move made by 'o' is: 85 in 734.619506 seconds

Move made by '@' is: 36 in 15.232468 seconds

Move made by 'o' is: 87 in 1240.067695 seconds

Move made by '@' is: 48 in 11.649736 seconds

Move made by 'o' is: 58 in 405.893152 seconds

Move made by '@' is: 31 in 3.971643 seconds

Move made by 'o' is: 35 in 204.715208 seconds

Move made by '@' is: 13 in 3.257459 seconds

Move made by 'o' is: 14 in 369.966183 seconds

Move made by '@' is: 16 in 2.009433 seconds

Move made by 'o' is: 73 in 171.874728 seconds

Move made by '@' is: 32 in 4.620935 seconds

Move made by 'o' is: 21 in 138.659387 seconds

Move made by '@' is: 11 in 2.608766 seconds

Move made by 'o' is: 15 in 59.988296 seconds

Move made by '@' is: 83 in 4.663013 seconds

Move made by 'o' is: 72 in 60.023829 seconds

Move made by '@' is: 26 in 2.181731 seconds

Move made by 'o' is: 27 in 91.324522 seconds

Move made by '@' is: 64 in 3.304322 seconds

Move made by 'o' is: 74 in 73.027892 seconds  
Move made by '@' is: 18 in 1.206419 seconds  
Move made by 'o' is: 17 in 37.112393 seconds  
Move made by '@' is: 38 in 0.377562 seconds  
Move made by 'o' is: 52 in 6.219717 seconds  
Move made by '@' is: 24 in 0.134926 seconds  
Move made by 'o' is: 28 in 0.769924 seconds  
Move made by '@' is: 81 in 0.090456 seconds  
Move made by 'o' is: 22 in 0.106523 seconds  
Move made by '@' is: 41 in 0.005733 seconds  
Move made by 'o' is: 82 in 0.019142 seconds  
Move made by '@' is: 61 in 0.001362 seconds  
Move made by 'o' is: 71 in 0.000976 seconds  
Move made by '@' is: 62 in 0.000238 seconds  
Move made by 'o' is: 37 in 0.000185 seconds

White wins!


Score for BLACK is: 22 and WHITE is: 42

Total time taken by Black(@) is: 207.93785600000007 seconds and average per move is:  
6.931261866666669

Total time taken by White(o) is: 7911.430664 seconds and average per move is: 263.7143554666667

1 2 3 4 5 6 7 8  
1 @ o o o o o o @  
2 @ o o o o o o o  
3 @ o o o o o o o  
4 @ @ @ @ @ o o o  
5 @ @ @ @ o o o o  
6 @ @ @ @ @ @ o o  
7 o o o @ o o o o  
8 @ 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 2h 15m 25s

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