

testtothello on [?] master via [●] base via [🐍] 3 .7.5

→ python play.py

!OTHELLO!

Choose player using BLACK:

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

> random

Choose player using WHITE:

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

> expec

Choose Level 1.Easy 2.Medium 3.Hard

> 3

Move made by '@' is: 65 in 0.000373 seconds

Move made by 'o' is: 46 in 7.955279 seconds

Move made by '@' is: 37 in 0.000925 seconds

Move made by 'o' is: 64 in 337.121126 seconds

Move made by '@' is: 53 in 0.000904 seconds

Move made by 'o' is: 28 in 3039.493433 seconds

Move made by '@' is: 56 in 0.00064 seconds

Move made by 'o' is: 75 in 1824.655356 seconds

Move made by '@' is: 76 in 0.001304 seconds

Move made by 'o' is: 42 in 3073.349838 seconds

Move made by '@' is: 85 in 0.000921 seconds

Move made by 'o' is: 57 in 790.651493 seconds

Move made by '@' is: 74 in 0.000679 seconds

Move made by 'o' is: 84 in 1023.926189 seconds

Move made by '@' is: 31 in 0.000619 seconds

Move made by 'o' is: 87 in 2339.927581 seconds

Move made by '@' is: 58 in 0.000594 seconds

Move made by 'o' is: 86 in 6689.043211 seconds

Move made by '@' is: 35 in 0.000604 seconds

Move made by 'o' is: 43 in 681.21808 seconds

Move made by '@' is: 66 in 0.000373 seconds

Move made by 'o' is: 41 in 2169.772783 seconds

Move made by '@' is: 73 in 0.000928 seconds

Move made by 'o' is: 21 in 2683.132644 seconds

Move made by '@' is: 77 in 0.000636 seconds

Move made by 'o' is: 82 in 1248.358613 seconds

Move made by '@' is: 63 in 0.000318 seconds

Move made by 'o' is: 78 in 1477.176712 seconds

Move made by '@' is: 47 in 0.000341 seconds

Move made by 'o' is: 36 in 540.046422 seconds

Move made by '@' is: 88 in 0.000332 seconds

Move made by 'o' is: 72 in 1935.506231 seconds

Move made by '@' is: 83 in 0.000266 seconds

Move made by 'o' is: 67 in 1233.076562 seconds

Move made by '@' is: 25 in 0.00048 seconds

Move made by 'o' is: 27 in 1105.682372 seconds

Move made by '@' is: 61 in 0.000287 seconds

Move made by 'o' is: 71 in 1509.170224 seconds

Move made by '@' is: 81 in 0.000257 seconds

Move made by 'o' is: 62 in 587.964016 seconds

Move made by '@' is: 51 in 0.00023 seconds

Move made by 'o' is: 52 in 514.422626 seconds

Move made by '@' is: 18 in 0.000426 seconds

Move made by 'o' is: 48 in 200.263586 seconds

Move made by '@' is: 33 in 0.000384 seconds

Move made by 'o' is: 22 in 32.536929 seconds

Move made by '@' is: 23 in 0.000192 seconds

Move made by 'o' is: 68 in 20.358717 seconds
 Move made by '@' is: 38 in 0.000162 seconds
 Move made by 'o' is: 17 in 2.539148 seconds
 Move made by '@' is: 11 in 0.000165 seconds
 Move made by 'o' is: 26 in 1.068243 seconds
 Move made by '@' is: 16 in 0.000123 seconds
 Move made by 'o' is: 32 in 0.041941 seconds
 Move made by '@' is: 34 in 0.00014 seconds
 Move made by 'o' is: 12 in 0.004135 seconds
 Move made by '@' is: 14 in 0.000129 seconds
 Move made by 'o' is: 15 in 0.000856 seconds
 Move made by '@' is: 13 in 0.000109 seconds
 Move made by 'o' is: 24 in 0.000227 seconds
 Black wins!

Score for BLACK is: 45 and WHITE is: 19

Total time taken by Black(@) is: 0.013841000000000001 seconds and average per move is: 0.0004613666666666667

Total time taken by White(o) is: 35068.464573000005 seconds and average per move is: 1168.9488191000003

1 2 3 4 5 6 7 8

1 @ @ @ @ o @ @ @

2 @ @ @ o o o @ @

3 @ @ o o o @ o @



4 @ o @ @ o @ o @

5 @ @ @ @ o o o @

6 @ @ @ @ o o o @

7 @ @ @ @ o o @ @

8 @ @ @ @ @ @ @ @

testothello on [?] master via  base via  3 .7.5 took 9h 45m 42s

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