

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,

> expec

Choose Level 1.Easy 2.Medium 3.Hard

> 3

Choose player using WHITE:

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

> random

Move made by '@' is: 34 in 0.000296 seconds

Move made by 'o' is: 35 in 0.000309 seconds

Move made by '@' is: 26 in 479.900177 seconds

Move made by 'o' is: 63 in 0.000827 seconds

Move made by '@' is: 65 in 873.063695 seconds

Move made by 'o' is: 24 in 0.000812 seconds

Move made by '@' is: 72 in 2070.104152 seconds

Move made by 'o' is: 36 in 0.00141 seconds

Move made by '@' is: 27 in 5500.341526 seconds

Move made by 'o' is: 66 in 0.002049 seconds

Move made by '@' is: 33 in 3243.945496 seconds

Move made by 'o' is: 42 in 0.000704 seconds

Move made by '@' is: 67 in 1915.961598 seconds

Move made by 'o' is: 64 in 0.00084 seconds

Move made by '@' is: 22 in 6298.821334 seconds

Move made by 'o' is: 18 in 0.000648 seconds

Move made by '@' is: 28 in 20365.65624 seconds

Move made by 'o' is: 16 in 0.000425 seconds

Move made by '@' is: 17 in 20330.563734 seconds

Move made by 'o' is: 38 in 0.000547 seconds

Move made by '@' is: 53 in 8203.90531 seconds

Move made by 'o' is: 75 in 0.001328 seconds

Move made by '@' is: 37 in 14607.012864 seconds

Move made by 'o' is: 81 in 0.001987 seconds

Move made by '@' is: 62 in 6107.664162 seconds

Move made by 'o' is: 25 in 0.000136 seconds

Move made by '@' is: 82 in 5008.869332 seconds

Move made by 'o' is: 47 in 0.001157 seconds

Move made by '@' is: 57 in 3396.702043 seconds

Move made by 'o' is: 32 in 0.000124 seconds

Move made by '@' is: 52 in 3766.628089 seconds

Move made by 'o' is: 56 in 0.000129 seconds

Move made by '@' is: 46 in 1032.385497 seconds

Move made by 'o' is: 48 in 0.000115 seconds

Move made by '@' is: 77 in 2270.699545 seconds

Move made by 'o' is: 87 in 0.000109 seconds

Move made by '@' is: 78 in 1440.472323 seconds

Move made by 'o' is: 31 in 0.000294 seconds

Move made by '@' is: 76 in 3059.535776 seconds

Move made by 'o' is: 74 in 0.000154 seconds

Move made by '@' is: 73 in 1187.285252 seconds

Move made by 'o' is: 11 in 0.000154 seconds

Move made by '@' is: 43 in 292.657855 seconds

Move made by 'o' is: 88 in 0.001223 seconds

Move made by '@' is: 12 in 179.818809 seconds

Move made by 'o' is: 86 in 0.000202 seconds

Move made by '@' is: 41 in 99.144035 seconds

Move made by 'o' is: 71 in 0.000142 seconds
 Move made by '@' is: 21 in 89.27588 seconds
 Move made by 'o' is: 13 in 0.00019 seconds
 Move made by '@' is: 58 in 9.63321 seconds
 Move made by 'o' is: 83 in 0.00012 seconds
 Move made by '@' is: 84 in 0.435941 seconds
 Move made by 'o' is: 85 in 0.000107 seconds
 Move made by '@' is: 61 in 0.019164 seconds
 Move made by 'o' is: 51 in 0.000102 seconds
 Move made by '@' is: 14 in 0.002123 seconds
 Move made by 'o' is: 15 in 0.000137 seconds
 Move made by '@' is: 23 in 0.000267 seconds
 Move made by 'o' is: 68 in 9.4e-05 seconds

White wins!

Score for BLACK is: 19 and WHITE is: 45

Total time taken by Black(@) is: 111830.50572500001 seconds and average per move is: 3727.683524166667

Total time taken by White(o) is: 0.016575000000000003 seconds and average per move is: 0.0005525000000000001

```

1 2 3 4 5 6 7 8
1 o o o o o o @ o
2 o @ @ @ @ @ @ o
3 o @ @ @ o @ o o
4 o o @ @ o o @ o
5 o o o @ o @ o o
6 o o @ @ o o o o
7 o o o @ o o o o
8 o o o o o o o o
  
```

testothello on [?] master via ● base via 🐍 3 .7.5 took 1d 7h 4m 52s
→