

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: 43 in 0.000414 seconds

Move made by 'o' is: 33 in 0.000449 seconds

Move made by '@' is: 23 in 49.623379 seconds

Move made by 'o' is: 46 in 0.000648 seconds

Move made by '@' is: 56 in 264.506737 seconds

Move made by 'o' is: 42 in 0.000516 seconds

Move made by '@' is: 32 in 3488.084387 seconds

Move made by 'o' is: 65 in 0.002472 seconds

Move made by '@' is: 47 in 6885.939187 seconds

Move made by 'o' is: 48 in 0.000842 seconds

Move made by '@' is: 52 in 7529.623716 seconds

Move made by 'o' is: 67 in 0.000548 seconds

Move made by '@' is: 57 in 2338.676785 seconds

Move made by 'o' is: 41 in 0.000424 seconds

Move made by '@' is: 78 in 15992.308572 seconds

Move made by 'o' is: 24 in 0.00054 seconds

Move made by '@' is: 22 in 10983.553669 seconds

Move made by 'o' is: 14 in 0.00147 seconds

Move made by '@' is: 21 in 13825.845115 seconds

Move made by 'o' is: 64 in 0.000367 seconds

Move made by '@' is: 34 in 9473.946832 seconds

Move made by 'o' is: 53 in 0.001358 seconds

Move made by '@' is: 12 in 14092.117192 seconds

Move made by 'o' is: 68 in 0.000695 seconds

Move made by '@' is: 25 in 5179.754634 seconds

Move made by 'o' is: 16 in 0.000141 seconds

Move made by '@' is: 35 in 7295.870943 seconds

Move made by 'o' is: 26 in 0.00014 seconds

Move made by '@' is: 15 in 3761.087868 seconds

Move made by 'o' is: 13 in 0.000129 seconds

Move made by '@' is: 17 in 2315.654483 seconds

Move made by 'o' is: 63 in 0.000124 seconds

Move made by '@' is: 72 in 1247.980118 seconds

Move made by 'o' is: 66 in 0.000126 seconds

Move made by '@' is: 27 in 1010.516624 seconds

Move made by 'o' is: 18 in 0.00023 seconds

Move made by '@' is: 36 in 672.782102 seconds

Move made by 'o' is: 62 in 0.000101 seconds

Move made by '@' is: 58 in 261.215765 seconds

Move made by 'o' is: 11 in 0.000411 seconds

Move made by '@' is: 37 in 290.673036 seconds

Move made by 'o' is: 38 in 0.000142 seconds

Move made by '@' is: 28 in 63.344514 seconds

Move made by 'o' is: 31 in 0.000139 seconds

Move made by '@' is: 71 in 22.333146 seconds

Move made by 'o' is: 82 in 0.000223 seconds

Move made by '@' is: 61 in 6.900727 seconds

Move made by 'o' is: 51 in 0.000106 seconds
 Move made by '@' is: 73 in 4.534154 seconds
 Move made by 'o' is: 77 in 9.4e-05 seconds
 Move made by '@' is: 87 in 4.383386 seconds
 Move made by 'o' is: 74 in 9.2e-05 seconds
 Move made by '@' is: 83 in 0.228451 seconds
 Move made by 'o' is: 84 in 8.7e-05 seconds
 Move made by '@' is: 75 in 0.005533 seconds
 Move made by 'o' is: 81 in 7.2e-05 seconds
 Move made by 'o' is: 76 in 8e-05 seconds
 Move made by '@' is: 86 in 0.000414 seconds
 Move made by 'o' is: 88 in 6.7e-05 seconds
 Move made by '@' is: 85 in 0.000121 seconds

White wins!

Score for BLACK is: 22 and WHITE is: 42

Total time taken by Black(@) is: 107061.49200400001 seconds and average per move is: 3568.716400133334

Total time taken by White(o) is: 0.012832999999999997 seconds and average per move is: 0.00042776666666666666

```

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

testothello on [?] master via ● base via 🐍 3 .7.5 took 1d 5h 45m 14s
→