

Last login: Sun Apr 12 00:46:09 on ttys000

~ via v13.10.1 via base

→ cd Desktop

~/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

> 2

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 0.000369 seconds

Move made by 'o' is: 53 in 7.236546 seconds

Move made by '@' is: 65 in 0.396473 seconds

Move made by 'o' is: 35 in 20.300977 seconds

Move made by '@' is: 63 in 0.728304 seconds

Move made by 'o' is: 75 in 87.871422 seconds

Move made by '@' is: 26 in 1.805899 seconds

Move made by 'o' is: 25 in 177.95461 seconds

Move made by '@' is: 24 in 2.909525 seconds

Move made by 'o' is: 32 in 395.186873 seconds

Move made by '@' is: 85 in 3.825862 seconds

Move made by 'o' is: 76 in 152.688158 seconds

Move made by '@' is: 77 in 1.567551 seconds

Move made by 'o' is: 15 in 212.584472 seconds

Move made by '@' is: 66 in 4.770075 seconds

Move made by 'o' is: 87 in 843.730019 seconds

Move made by '@' is: 86 in 6.256161 seconds

Move made by 'o' is: 84 in 1060.154398 seconds

Move made by '@' is: 21 in 4.061921 seconds

Move made by 'o' is: 64 in 344.260339 seconds

Move made by '@' is: 46 in 2.526367 seconds

Move made by 'o' is: 37 in 245.359334 seconds

Move made by '@' is: 27 in 3.585418 seconds

Move made by 'o' is: 88 in 575.470447 seconds

Move made by '@' is: 78 in 2.15478 seconds

Move made by 'o' is: 68 in 364.268445 seconds

Move made by '@' is: 67 in 1.52395 seconds

Move made by 'o' is: 56 in 232.163669 seconds

Move made by '@' is: 48 in 0.591572 seconds

Move made by 'o' is: 13 in 95.767029 seconds

Move made by '@' is: 23 in 0.661972 seconds

Move made by 'o' is: 28 in 86.267357 seconds

Move made by '@' is: 47 in 0.327779 seconds

Move made by 'o' is: 57 in 55.051233 seconds

Move made by '@' is: 73 in 0.322577 seconds

Move made by 'o' is: 17 in 53.64283 seconds

Move made by '@' is: 58 in 0.298981 seconds

Move made by 'o' is: 38 in 38.549798 seconds

Move made by 'o' is: 52 in 19.816764 seconds

Move made by '@' is: 61 in 0.396059 seconds

Move made by 'o' is: 74 in 23.615045 seconds

Move made by '@' is: 62 in 0.058576 seconds
 Move made by 'o' is: 42 in 9.557894 seconds
 Move made by '@' is: 36 in 0.202149 seconds
 Move made by 'o' is: 72 in 22.96846 seconds
 Move made by '@' is: 82 in 0.099692 seconds
 Move made by 'o' is: 81 in 4.069473 seconds
 Move made by '@' is: 83 in 0.055398 seconds
 Move made by 'o' is: 71 in 1.860194 seconds
 Move made by '@' is: 33 in 0.024561 seconds
 Move made by 'o' is: 41 in 0.357837 seconds
 Move made by '@' is: 51 in 0.01825 seconds
 Move made by 'o' is: 31 in 0.022293 seconds
 Move made by '@' is: 34 in 0.00278 seconds
 Move made by 'o' is: 12 in 0.009634 seconds
 Move made by '@' is: 14 in 0.001765 seconds
 Move made by 'o' is: 22 in 0.001739 seconds
 Move made by '@' is: 11 in 0.000475 seconds
 Move made by '@' is: 16 in 0.000296 seconds
 Move made by '@' is: 18 in 0.000152 seconds
 White wins!

Score for BLACK is: 19 and WHITE is: 45

Total time taken by Black(@) is: 39.17568899999999 seconds and average per move is: 1.263731903225806

Total time taken by White(o) is: 5130.787288999997 seconds and average per move is: 176.92369962068955

```

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

```

./othello.sh: line 3: alpha: command not found
./othello.sh: line 4: 3: command not found
./othello.sh: line 5: expec: command not found
./othello.sh: line 6: 3: command not found
  
```

~/Desktop via  base took 1h 26m 37s

