

~/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: 65 in 0.000484 seconds

Move made by 'o' is: 66 in 9.175641 seconds

Move made by '@' is: 67 in 2.138211 seconds

Move made by 'o' is: 77 in 31.081094 seconds

Move made by '@' is: 56 in 2.951536 seconds

Move made by 'o' is: 68 in 86.808582 seconds

Move made by '@' is: 33 in 1.907804 seconds

Move made by 'o' is: 34 in 51.330187 seconds

Move made by '@' is: 36 in 5.82222 seconds

Move made by 'o' is: 64 in 135.09543 seconds

Move made by '@' is: 35 in 9.62852 seconds

Move made by 'o' is: 27 in 419.556519 seconds

Move made by '@' is: 37 in 8.737097 seconds

Move made by 'o' is: 47 in 611.937408 seconds

Move made by '@' is: 18 in 19.818435 seconds

Move made by 'o' is: 32 in 568.747903 seconds

Move made by '@' is: 57 in 7.543282 seconds

Move made by 'o' is: 38 in 177.784144 seconds

Move made by '@' is: 88 in 8.800495 seconds

Move made by 'o' is: 87 in 252.587993 seconds

Move made by '@' is: 46 in 4.905681 seconds

Move made by 'o' is: 76 in 164.262192 seconds

Move made by '@' is: 28 in 5.913618 seconds

Move made by 'o' is: 58 in 132.990369 seconds

Move made by '@' is: 48 in 7.223255 seconds

Move made by 'o' is: 17 in 17.5391 seconds

Move made by '@' is: 75 in 8.332316 seconds

Move made by 'o' is: 85 in 62.428371 seconds

Move made by '@' is: 86 in 5.673262 seconds

Move made by '@' is: 84 in 4.724261 seconds

Move made by 'o' is: 74 in 15.531138 seconds

Move made by '@' is: 83 in 3.681602 seconds

Move made by 'o' is: 73 in 16.511269 seconds

Move made by '@' is: 62 in 4.133914 seconds

Move made by 'o' is: 72 in 43.052205 seconds

Move made by '@' is: 61 in 6.167119 seconds

Move made by 'o' is: 71 in 45.887324 seconds

Move made by '@' is: 81 in 20.908128 seconds

Move made by 'o' is: 52 in 20.600004 seconds

Move made by '@' is: 51 in 3.485909 seconds

Move made by 'o' is: 82 in 6.664222 seconds

Move made by '@' is: 31 in 2.38943 seconds

Move made by 'o' is: 24 in 43.20264 seconds

Move made by '@' is: 42 in 2.641734 seconds

Move made by 'o' is: 25 in 9.56596 seconds

Move made by '@' is: 16 in 0.830773 seconds
Move made by 'o' is: 22 in 2.043627 seconds
Move made by '@' is: 11 in 0.601266 seconds
Move made by 'o' is: 53 in 2.84916 seconds
Move made by '@' is: 23 in 0.532769 seconds
Move made by 'o' is: 21 in 1.31729 seconds
Move made by '@' is: 43 in 0.202649 seconds
Move made by 'o' is: 63 in 0.153326 seconds
Move made by '@' is: 41 in 0.081642 seconds
Move made by '@' is: 13 in 0.005547 seconds
Move made by 'o' is: 14 in 0.008077 seconds
Move made by '@' is: 12 in 0.000648 seconds
Move made by '@' is: 15 in 0.000433 seconds
Move made by 'o' is: 26 in 0.000417 seconds
Move made by '@' is: 78 in 0.000307 seconds
Black wins!

Score for BLACK is: 45 and WHITE is: 19


Total time taken by Black(@) is: 149.784347 seconds and average per move is: 4.68076084375

Total time taken by White(o) is: 2928.711592 seconds and average per move is: 104.59684257142858

1 2 3 4 5 6 7 8

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1 @ @ @ @ @ @ @ @
2 o o o o o o @ @
3 @ o @ @ o o @ @
4 @ @ @ o @ o o @
5 @ @ o o @ @ o @
6 @ o o o @ @ @ @
7 @ @ @ @ @ @ @ @
8 @ 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 51m 23s

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