Othello Minimax Algorithm

Dennis Ping Homework 2 June 4, 2021

Purpose

Implement a minimax algorithm for the board game Othello.

Python and Pip requirements

- Python 3
- numpy

How to run

```
Available commands:

python othello.py < clearBestMove.txt

python othello.py < clearBestCounterMove.txt

python othello.py < arbitraryBoard5.txt

python othello.py < arbitraryBoard8.txt

python othello.py < board1.txt

python othello.py < endgame.txt
```

How to run interactive mode vs Al

```
python othello.py
play
```

Outputs for all game files

Time taken: 0.153 seconds

```
python othello.py < clearBestMove.txt
2
Time taken: 0.001 seconds

python othello.py < clearBestCounterMove.txt
-3
Time taken: 0.003 seconds

python othello.py < arbitraryBoard5.txt
1
Time taken: 0.302 seconds

python othello.py < arbitraryBoard8.txt
-6
Time taken: 15.626 seconds

python othello.py < board1.txt
5
Time taken: 4.24 seconds

python othello.py < endgame.txt
100
```