COMS 4701 Artificial Intelligence Sec 01

HW 4 - readme

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Files and Configurations:

- driver_3.py # original provided driver file in python3

- sudoku.py # the solver class used to solve the BTS problem

- log.txt # running time for individual boards and all boards

Note:

- Please delete file output.txt before you run, or it will try to append new results to this file.

- I have comment out the running time part in the driver_3.py as instructed in the instructions

Results and observations:

- All 400 start boards can be solved from sudokus_start.txt
- The total running time is around 10 seconds, with average running time 0.025 seconds

```
total time for all boards: 9.0254 seconds
Finished all boards in file.
```

- The maximum time for all one board is 0.1441 seconds(Note the running time may vary slightly for different run, but the maximum running time among 400 test cases is around 0.15 – 0.20)