

1) The team name

spickfor

2) Individual name:

Seth Pickford

3) Individual netid

spickfor

4) Who were the other team members.

None

5) What is the link to the .github repository

<https://github.com/spickfor/TheoryProject1.git>

6) A short description of the project attempted by the team

Modified the DumbSAT python code, namely the check function to use a different algorithm that wasn't quite as random and brute force. In other words did a increment search

7) A checklist that all required files have been submitted in the repository

Code files: Incremental_DumbSAT_spickfor.py

Data files used for validation: check_resultsfile.csv & check_tracefile.csv

Data files used in timing runs: data_cnffile_spickfor.cnf – this file was a generation of all the wffs that were generated and used by dumbSAT

Output files: output_resultsfile_spickfor.csv and output_tracefile_spickfor.csv

Timing plots: Project1Plot.jpeg

Readme_team: Yes

Any extra files: Original DumbSAT stuff

8) How much time did you personally spend on the project, and what did you do?

Probably about 6-8 hrs

9) Your specific activities and responsibilities

I did everything, not a group

10) What did you personally learn from the project, both about the topic, above programming and code development techniques, and about algorithms.

The easiness of some problems to run away and become increasingly complicated and time consuming. Learned a bit about working with csv library from my first failed attempt. Also learned a bit about bit counting.

11) In your own words, how did the team dynamics work? What could be improved? (e.g. did you use github during development and if so did it help, did you meet frequently enough in person, etc.) From your own perspective, what was the role of each team member, and did any member greatly exceed expectations (and if so how/why).

I liked the team dynamic. I think I am pretty great at working with myself and only argue with myself every once in a while.

12) Any extra information that is appropriate

Nope.