Project 1 Teamwork drewdiguglielmo - ddigugli

Version 1 9/11/24

A **_separate copy_** of this template should be filled out and submitted by each student, regardless of the number of students on the team. Also change the title of this template to "Project x Teamwork <team> - <netid>"

1	Team Name: drewdiguglielmo
2	Individual name: Drew DiGuglielmo
3	Individual netid: ddigugli
4	Other team members names and netids: N/A
5	Link to github repository: https://github.com/ddigugli/theoryproject1
6	Overall project attempted, with sub-projects: Implementing a polynomial time 2-SAT solver

7	List of included files (if you have many files of a certain type, such as test files of different sizes, list just the folder): (Add more rows as necessary)

File/folder Name	File Contents and Use
Code Files	
2SAT_code_drewdiguglielmo	2SAT code implementing a polynomial time 2SAT solver
graphplot_code_drewdiguglielmo	Code to show the plot from my outputfile
Test Files	
2SAT_check_drewdiguglielmo	Test file given in canvas to use to test code
Output Files	
outputfile_csv_drewdiguglielmo	Output file from using the test file given in canvas
Plots (as needed)	
graphoutput_drewdiguglielmo	Screenshot of the graph from running my graph test code

8	Individual Student time (in hours) to complete: I would estimate roughly an hour and a half of preparation and outline/understanding of the project, 7 hours on code, and 2 hours on the graph code/writeups

9	Your specific activities and responsibilities: Since this was an individual project, I completed all portions of the assignment
10	What was personally learned (topic, programming, algorithms): Personally, I was able to gain a better understanding of sat problems in determining whether a clause in CNF form can be satisfied by a certain assignment of values. I also gained a better understanding of backtracking, as I was required to implement this in my code, and it was one of the topics I had more of a struggle with in Data Structures last year. I also became more aware of time complexities because this problem required analysis of the execution time of each wff.
11	How team was organized, and what might be improved: Nothing, since this was an individual project
12	Any additional material: N/A