Project x Teamwork aberchel-aberchel

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: aberchel
2	Individual name: August Berchelmann
3	Individual netid: aberchel
4	Other team members names and netids
5	Link to github repository: **https://github.com/BopItFreak/2SATSolver**
6	Overall project attempted, with sub-projects: **2SAT 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). Add more rows as necessary.

File/folder Name	File Contents and Use
Code Files	
2SATSolver_aberchel.js	2SAT Solver containing the DPLL algorithm
Test Files	
check_aberchel.csv	Contains verified test cases
Output Files	
output_aberchel.json	Contains the output of data_aberchel.csv processed through 2SATSolver_aberchel.js
Plots (as needed)	
plot_aberchel.png	plot of the points with the x as number of variables and y as execution time

8	Individual Student time (in hours) to complete: **5**

9	Your specific activities and responsibilities **Everything**
10	What was personally learned (topic, programming, algorithms) I learned the DPLL algorithm to process 2SAT problems. I also learned how to make an efficient algorithm and how to process data better. I learned the CNF format in detail as well.
11	How team was organized, and what might be improved. I did the entire project. I might try to organize the way the data is processed next time in order to avoid hacks in my code.
12	Any additional material: