1 SAT Solver

Implement the GSAT procedure (figure 2 the Selman et al. paper) in Matlab. Provide the following features:

- The ability to read problems in DIMACS CNF format
- Highly vectorized and efficient test for satisfiability (implemented in a single line that includes a matrix-vector product)

Hint: You may want to use separate entries in your vectors and matrices for the true and false versions of variables.

2 NP-hardness I

Do problem 8.4 from the Dasgupta et al. text.

3 NP-hardness II

Do problem 8.10 from the Dasgupta et al. text.