Milestone 1

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1. Usage

a. to compile:
   make
b. to test benchmark:
   ./test_benchmark
c. to test sudoku puzzle encoded into cnf:
   ./test_sudoku
d. to test some other cnf file:
   ./yasat <filename.cnf>

2. Features

a. VSIDS score strategy with integer type
b. BCP with two literal watching
c. Conflict Driven Clause Learning with Non-chronological backtracking
d. Random Restart

3. Summary

a. benchmark: all are correct
b. sudoku: for the 9x9, 16x16 sudoku puzzles, all are correct. But for 25x25 case, sometimes(but rarely) get wrong result...

4. Difficulties Encountered

a. figure out how to detect the UNSAT situation
b. some of the learnt clauses are confusing… (e.g. 9 3 -9 1) I haven't figured out what's wrong with my code…