calculateDefaultPolarities() performStepsBeforeSolve() replace anti/equivalent variables asymmetric branching Useless binary clause removal Find normal (>2-long) subs&strength w/ xor clauses subs&strength w/ binary clauses all clauses xor-simplification subs&strength w/ binary xor clause non-learnt clauses finding sort watchlists Main solve loop search() handle conflict() propagate() new decision() simplifyProblem() maybe convert xor clauses to normal clauses burstSearch subs&strength w/ binary clauses xor-simplification subs&strength w/ asymmetric branching non-learnt clauses failed literal probing subs&strength w/ sort watchlists all clauses Useless binary clause removal checkFullRestart() find disconnected components and handle them individually handleSATSolution() handleUNSATSolution() extend solution to equi/antivalent variables extend solution to removed variables add solution from disconnected components