

CDCL の動作

Algorithm 2.2: DPLL-ClauseLearning-Iterative

Input : A CNF formula

Output : UNSAT, or SAT along with a satisfying assignment

begin

while TRUE **do**

 DecideNextBranch

while TRUE **do**

 status \leftarrow Deduce

if *status* = *CONFLICT* **then**

 blevel \leftarrow AnalyzeConflict

if *blevel* = 0 **then return** UNSAT

 Backtrack(*blevel*)

else if *status* = *SAT* **then**

 Output current assignment stack

return SAT

else break

end