

BCP UNSAT

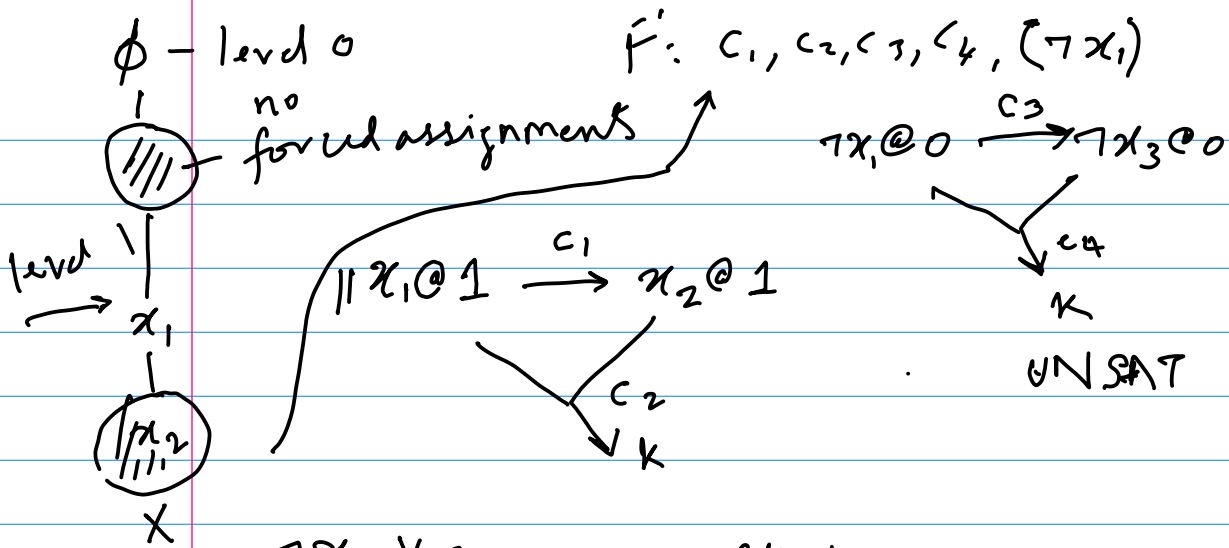
$F' = F \cup \{c_5, c_6\}$

$c_5(x_1 \vee \neg x_2 \vee x_5)$

\varnothing

$x_1 \rightarrow x_2 \rightarrow \neg x_1$ SAT

$x_1 \mapsto \text{false}$
 $x_2 \mapsto \text{false}$



- $\neg x_2 \vee \neg x_1$ - conflicting
- $\neg x_1 \vee x_2$ - satisfied
- $\neg x_1 \vee \neg x_2 \vee x_3$ - unit
- $\neg x_1 \vee x_4 \vee x_7$ - unresolved