	$\neg P_1 \vee P_2$	$\neg P_3 \vee P_4$	$\neg P_5 \vee \neg P_6$	$P_6 \vee \neg P_5 \vee \neg P_2$	$P_5 \vee P_7$	$P_5 \vee P_7 \vee \neg P_2$	Comento
$\emptyset$							Decide
P_1^d	unit						Unit Prop
$P_1^d P_2$	1						Decide
$P_1^d P_2 P_3^d$	1	unit					Unit Prop
$P_1^d P_2 P_3^d P_4$	1	1			1	1	Backtrack
$P_1^d P_2 P_3^d P_4 P_5^d$	1	1	unit	unit	1	1	Unit Prop
$P_1^d P_2 P_3^d P_4 P_5^d \neg P_6$	1	1	1	0	1	1	Backtrack
$P_1^d P_2 P_3^d P_4 \neg P_5$	1	1	1	1	unit	unit	Unit Prop
$P_1^d P_2 P_3^d P_4 \neg P_5 P_7$	1	1	1	1	1	0	Backtrack
$P_1^d P_2 \neg P_3$	1	1					Decide
$P_1^d P_2 \neg P_3 P_5^d$	1	1	unit	unit	1	1	Unit Prop
$P_1^d P_2 \neg P_3 P_5^d \neg P_6$	1	1	1	0	1	1	Backtrack
$P_1^d P_2 \neg P_3 \neg P_5$	1	1	1	1	unit	unit	Unit Prop
$P_1^d P_2 \neg P_3 \neg P_5 P_7$	1	1	1	1	1	0	Backtrack
$\neg P_1$	1						Decide
$\neg P_1 P_3^d$	1	unit					Unit Prop
$\neg P_1 P_3^d P_4$	1	1			1	1	Backtrack
$\neg P_1 P_3^d P_4 P_5^d$	1	1	unit	unit	1	1	Unit Prop
$\neg P_1 P_3^d P_4 P_5^d \neg P_6$	1	1	1	0	1	1	Backtrack
$\neg P_1 P_3^d P_4 \neg P_5$	1	1	1	1	unit	unit	Unit Prop
$\neg P_1 P_3^d P_4 \neg P_5 P_7$	1	1	1	1	1	unit	Unit Prop
$\neg P_1 P_3^d P_4 \neg P_5 P_7 \neg P_2$	1	1	1	1	1	1	

Satisfiable model: $A: \Pi \to \{0,1\}$ with

$$A(P_1) = A(P_5) = A(P_2) = 0$$
$$A(P_3) = A(P_4) = A(P_7) = 1.$$

	$\neg P_1^1 \vee P_2$	$\neg P_3^2 \vee P_4$	$\neg P_5^3 \vee P_6$	$P_6 \vee \neg P_5 \vee \neg P_2$	$P_5^5 \vee P_7$	$P_5 \vee \neg P_7 \vee \neg P_2$	
$\emptyset$							Decide
P_1^d	unit						U.P.
$P_1^d P_2$	1						Decide
$P_1^d P_2 P_3^d$	1	unit					U.P.
$P_1^d P_2 P_3^d P_4$	1	1					Decide
$P_1^d P_2 P_3^d P_4 P_5^d$	1	1	unit	unit	1	1	U.P.
$P_1^d P_2 P_3^d P_4 P_5^d \neg P_6$	1	1	1	0 ↓ conflict.	1	1	

- 1 - 2 - 3

Analyze conflict:

$P_6 \vee \neg P_5 \vee \neg P_2$ — 3: $\neg P_5 \vee \underline{\neg P_6}$

$\neg P_5 \vee \neg P_2$

$\neg P_2$: true before the last decision.

Backjump

$M, L^d, N \,||\, F \Rightarrow M, L' \,||\, F$

if { there is some clause $C \vee L'$ s.t.:
- $F \models C \vee L'$
- $M \models \neg C$
- L' undefined in M
- L' or $\neg L'$ occurs in F

choose: $\underbrace{P_1^d P_2}_{M} \; \underbrace{P_3^d}_{L^d} \; \underbrace{P_4 \; P_5^d \; \neg P_6}_{N}, \,||\, F \Rightarrow P_1^d P_2 \neg P_5 \,||\, F$

$\neg P_5 \vee \neg P_2$ (L' C)

- $F \models C \vee L'$
- $M \models \neg C$ ($M \models P_2$!)
- $\neg P_5$ undefined in M.
- $\neg P_5$ or P_5 occurs in F

						Backjump.
$P_1^d\ P_2\ \neg P_5$	1		1	1	unit	unit	u.p.
$P_1^d\ P_2\ \neg P_5\ P_7$	1		1	1	1	0	
- 1 cr. 5							
etc.							