

Laborator6 - Temă

Petculescu Mihai-Silviu

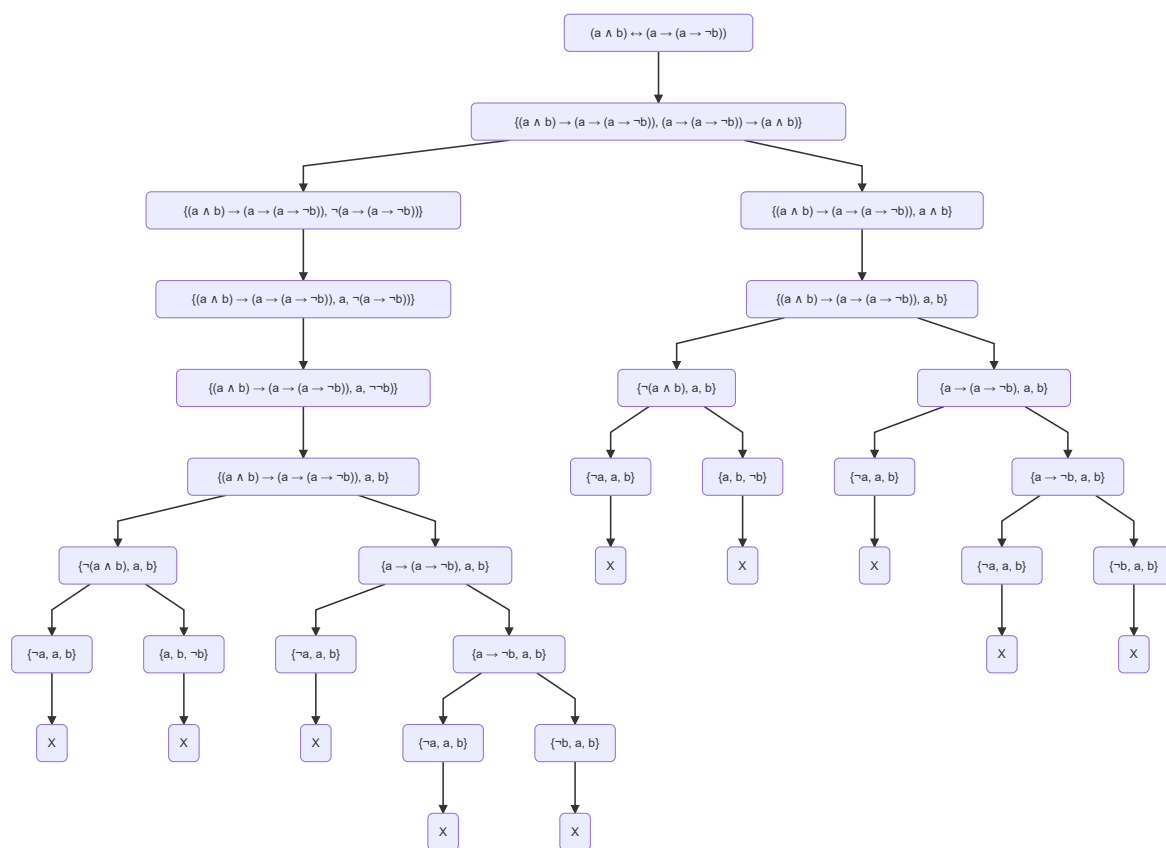
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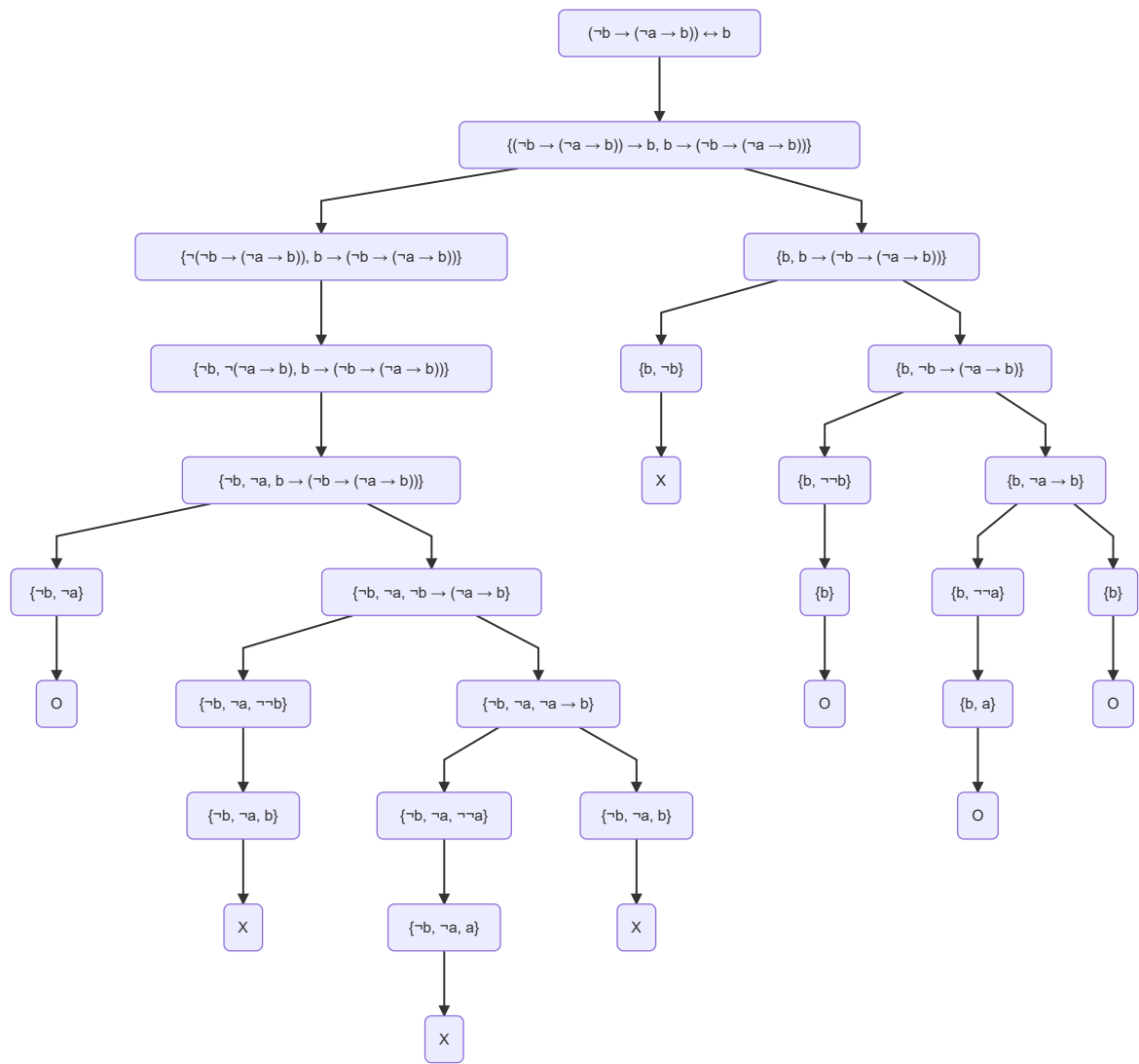
Exercițiu 1.0.1. Să se construiască arborii semantici pentru următoarele formule:

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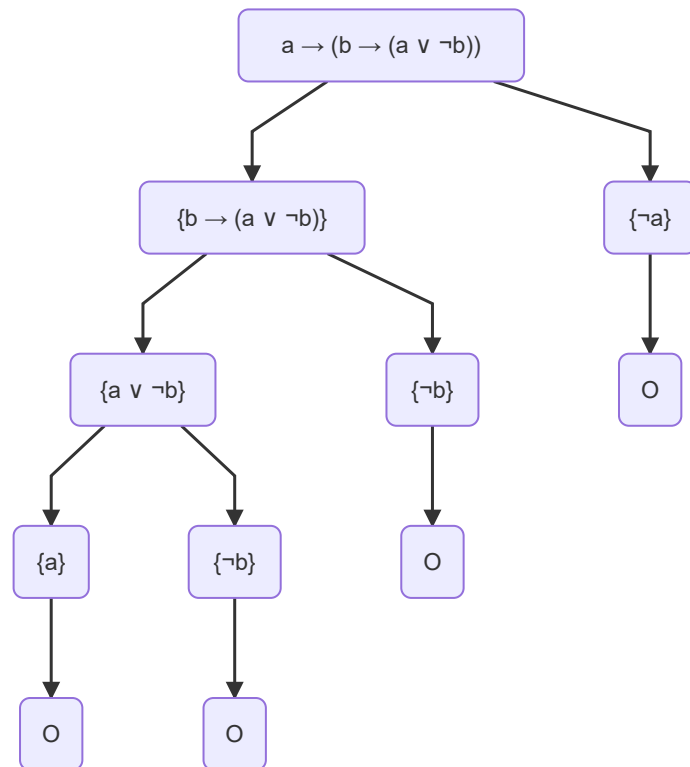
1) $(a \wedge b) \leftrightarrow (a \rightarrow (a \rightarrow \neg b))$



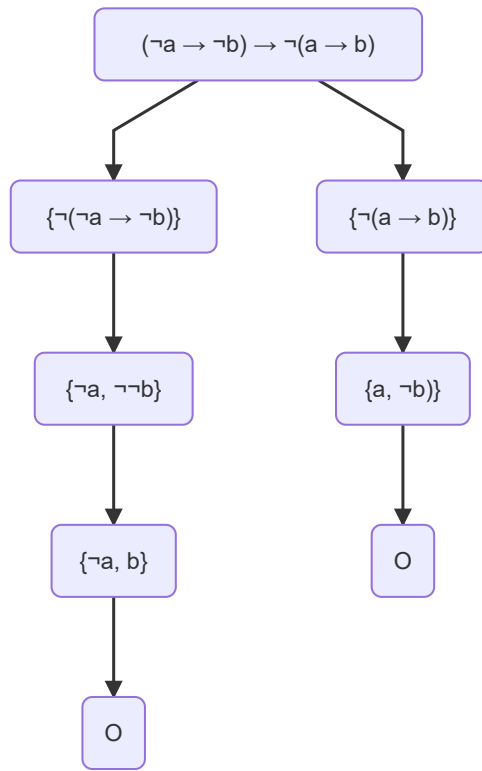
2) $(\neg b \rightarrow (\neg a \rightarrow b) \leftrightarrow b)$



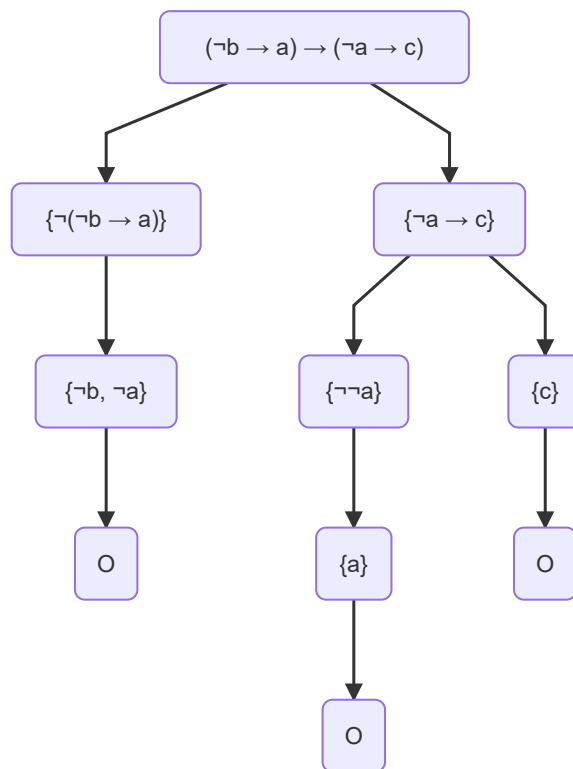
3) $a \rightarrow (b \rightarrow (a \vee \neg b))$



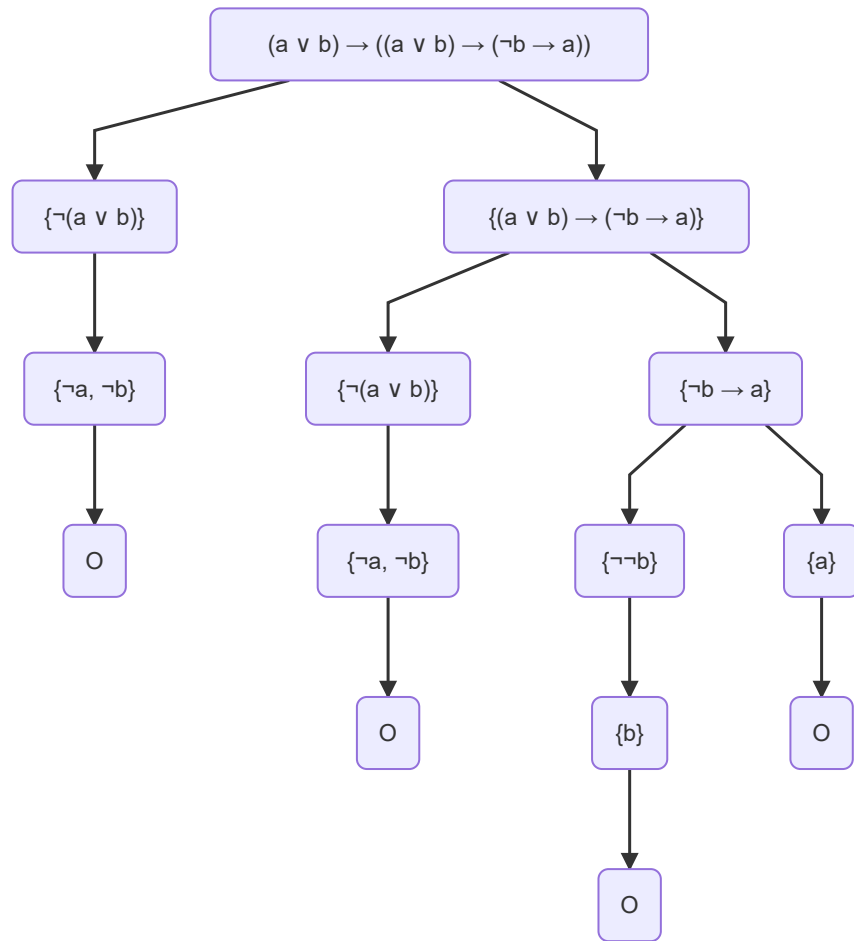
4) $(\neg a \rightarrow \neg b) \rightarrow \neg(a \rightarrow b)$



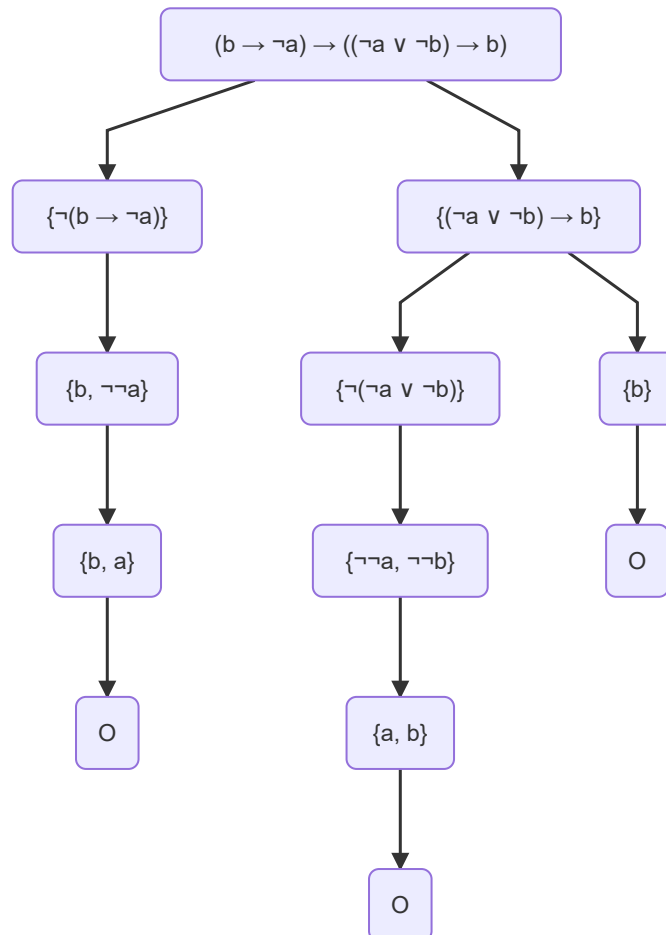
5) $(\neg b \rightarrow a) \rightarrow (\neg a \rightarrow c)$



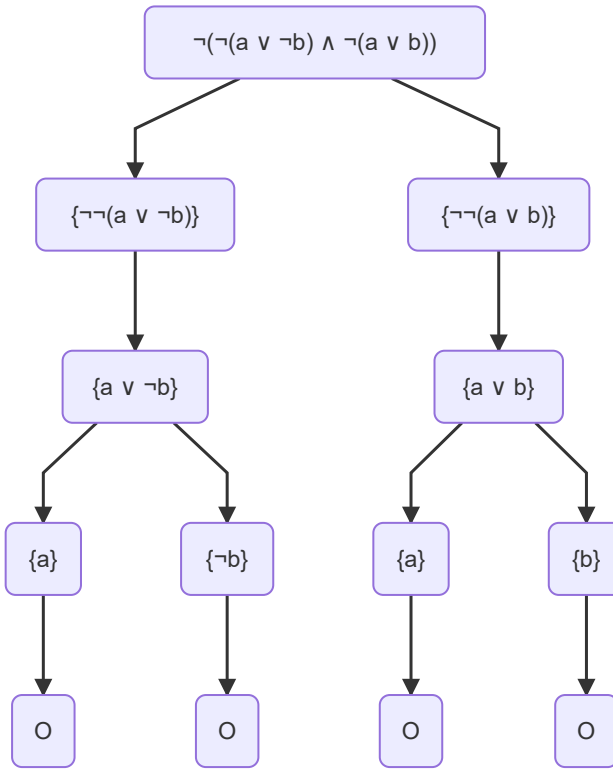
6) $(a \vee b) \rightarrow ((a \vee b) \rightarrow (\neg b \rightarrow a))$



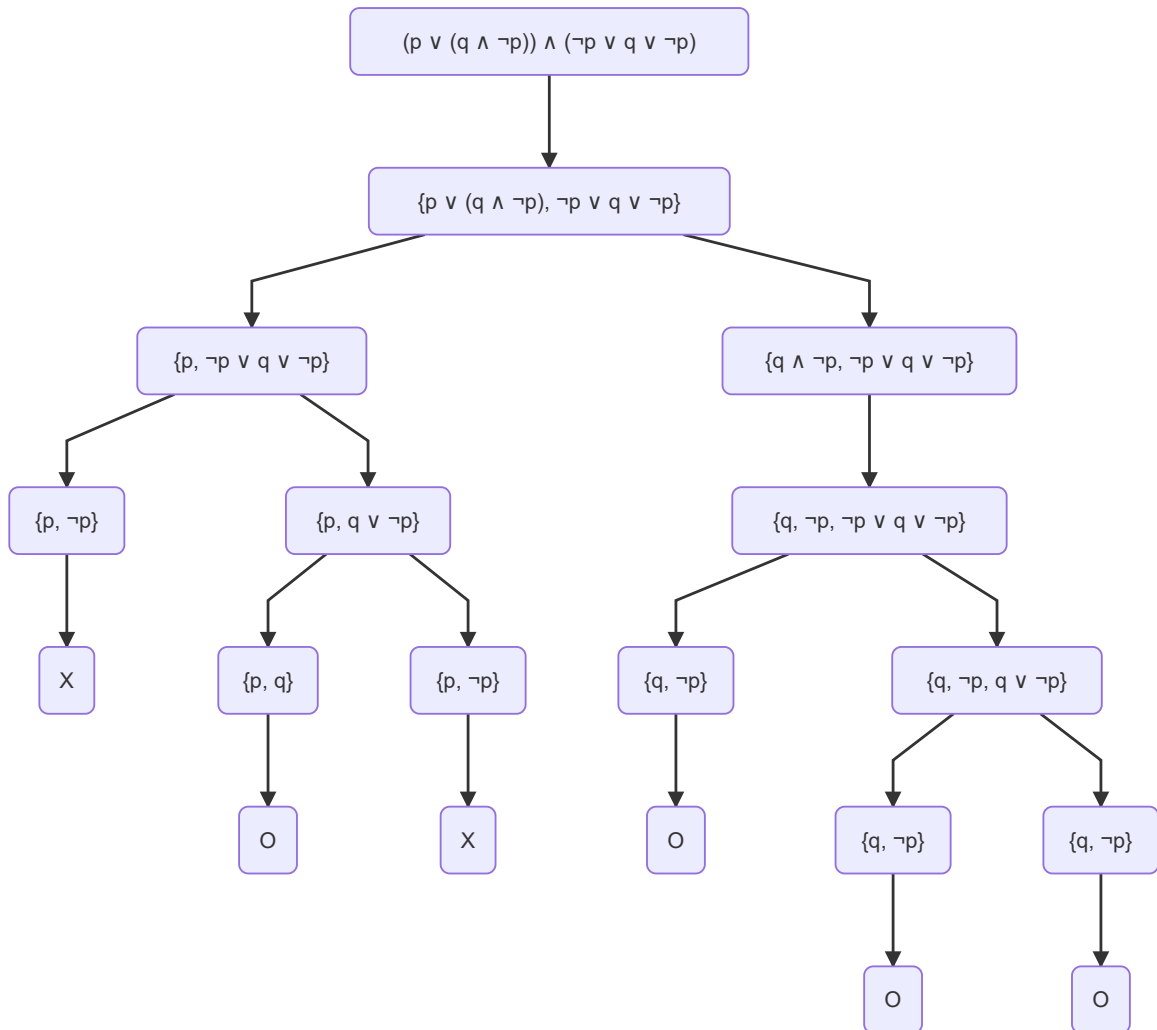
7) $(b \rightarrow \neg a) \rightarrow ((\neg a \vee \neg b) \rightarrow b)$



8) $\neg(\neg(a \vee \neg b) \wedge \neg(a \vee b))$



9) $(p \vee (q \wedge \neg p)) \wedge (\neg p \vee q \vee \neg p)$



10) $(a \wedge \neg b) \vee (a \rightarrow b)$

