Inference at $*$ 1
of proof for Lemma or_functionality_wrt_implies:

1. $P_1 : \mathbb{P}$
2. $P_2 : \mathbb{P}$
3. $Q_1 : \mathbb{P}$
4. $Q_2 : \mathbb{P}$
5. $P_1 \Rightarrow P_2$
6. $Q_1 \Rightarrow Q_2$
7. $P_1 \vee Q_1$

$\vdash P_2 \vee Q_2$

by ((((D 7 THENL [Sel 1 (D 0);Sel 2 (D 0)])
CollapseTHENM (HypBackchain))·)

CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)))·

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