

Inference at *
of proof for Lemma `implies_functionality_wrt_implies`:

```

 $\vdash \forall P_1, P_2, Q_1, Q_2 : \mathbb{P}. \{P_1 \Leftarrow P_2\} \Rightarrow \{Q_1 \Rightarrow Q_2\} \Rightarrow \{(P_1 \Rightarrow Q_1) \Rightarrow P_2 \Rightarrow Q_2\}$ 
  by ((((((Unfold 'guard' 0)
    CollapseTHEN (GenUnivCD)).)
    CollapseTHENM (HypBackchain))
    .)
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)
      )) (first_tok :t) inil_term))).
  .

```