

Inference at *
of proof for Lemma all_functionality_wrt_implies:

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⊢∀S,T:Type, P,Q:(S→ ℙ).  
  (S = T) ⇒ (∀z:S. {P(z) ⇒ Q(z)}) ⇒ {(∀x:S. P(x)) ⇒ (∀y:T. Q(y))}  
  by (((Unfold 'guard' 0)  
  CollapseTHEN (UnivCD)).)  
  CollapseTHENA (  
    (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))).
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1:

1. $S : \text{Type}$
 2. $T : \text{Type}$
 3. $P : S \rightarrow \mathbb{P}$
 4. $Q : S \rightarrow \mathbb{P}$
 5. $S = T$
 6. $\forall z:S. P(z) \Rightarrow Q(z)$
 7. $\forall x:S. P(x)$
 8. $y : T$
- ⊢ $Q(y)$