

Inference at * 1
of proof for Lemma all_functionality_wrt_implies:

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1. S : Type
2. T : Type
3. P : S →  $\mathbb{P}$ 
4. Q : S →  $\mathbb{P}$ 
5. S = T
6.  $\forall z:S. P(z) \Rightarrow Q(z)$ 
7.  $\forall x:S. P(x)$ 
8. y : T
 $\vdash Q(y)$ 
  by InteriorProof ((HypBackchain)
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat
      1:n),(first_nat 4:n)) (first_tok :t) inil_term))))

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