

Inference at * 1
of proof for Lemma all_functionality_wrt_implies:

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. $y : T$

$\vdash Q(y)$
by InteriorProof ((HypBackchain)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat
1:n),(first_nat 4:n)) (first_tok :t) inil_term))))·