

Inference at * 1
of proof for Lemma exists_functionality_wrt_implies:

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1. S : Type
2. T : Type
3. P : S → ℙ
4. Q : S → ℙ
5. S = T
6. ∀x:S. P(x) ⇒ Q(x)
7. ∃x:S. P(x)
⊢ ∃y:T. Q(y)
  by ((((((D 7)
    CollapseTHEN (With x (D 0))))·)
    CollapseTHENM (HypBackchain)))·

    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t
) inil_term))))·

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