

Inference at * 1 1
of proof for Lemma squash_thru_equiv_rel:

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1. T : Type
2. E : T → T → ℙ
3. (∀ a:T. E(a,a)) & (∀ a, b:T. E(a,b) ⇒ E(b,a)) & (∀ a, b, c:T. E(a,b) ⇒ E(b,c) ⇒ E(a,c))
4. a : T
⊢ E(a,a)
  by ((Sel 1 (BackThruHyp 3))
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
      ),(first_nat 4:n)) (first_tok :t) inil_term))))
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