

Inference at * 1
of proof for Lemma nth_tl_is_fseg:

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1. T : Type
2. L1 : T List
3. L2 : T List
4. L : T List
5. L2 = (L @ L1)
⊢ ∃ n : {0..(||L2||+1)}-. (L1 = nth_tl(n;L2))
  by InteriorProof (((((((HypSubst (-1) 0)
    CollapseTHENM (RWO"length_append" 0)).)
      CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
        3:n)) (first_tok SupInf:t) inil_term))))).)
CollapseTHEN (InstConcl [
  ||L||]).)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n
  ),(first_nat 3:n)) (first_tok SupInf:t) inil_term))).

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1:

⊢ L₁ = nth_tl(||L||;L @ L₁)