

Inference at * 2 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. n : {0..(||L2||+1)}-
5. L1 = nth_tl(n;L2)
⊢ L2 = (firstn(n;L2) @ L1)
  by ((((((Symmetry)
CollapseTHEN (HypSubst (-1) 0)))·)
CollapseTHEN (
  (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·
)
CollapseTHEN (((BackThruLemma 'append.firstn.lastn')
CollapseTHEN (
  (Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term)))·
)).
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