Inference at $*$ 1
 of proof for Lemma nth_tl_is_fseg:

1. T : Type
2. L_1 : T List
3. L_2 : T List
4. L : T List
5. $L_2 = (L \mathbin{@} L_1)$

$\vdash \exists n{:}\{0..(\|L_2\|+1)^-\}.\ (L_1 = \text{nth_tl}(n;L_2))$
 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)))·

1:

$\vdash L_1 = \text{nth_tl}(\|L\|;L \mathbin{@} L_1)$

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