

Inference at * 2
of proof for Lemma nth_tl_is_fseg:

1. $T : \text{Type}$
2. $L_1 : T \text{ List}$
3. $L_2 : T \text{ List}$
4. $n : \{0..(\|L_2\|+1)^-\}$
5. $L_1 = \text{nth_tl}(n; L_2)$

$\vdash \exists L:T \text{ List. } (L_2 = (L @ L_1))$
by ((InstConcl [firstn($n; L_2$)])
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
), (first_nat 3:n)) (first_tok :t) inil_term))))).

1:

$\vdash L_2 = (\text{firstn}(n; L_2) @ L_1)$

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