Inference at $*$ 2
of proof for Lemma nth_tl_is_fseg:

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

$\vdash \exists L{:}T$ 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 = (firstn(n;L_2) @ L_1)
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