

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

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1. T : Type
2. L1 : T List
3. T List
4. u : T
5. v : T List
6. L1 = nth_tl(||v||;v @ L1)
⊢ L1 = nth_tl(||v||+1;[u / (v @ L1)])
  by (((RecUnfold 'nth_tl' 0)
    CollapseTHEN (Reduce 0)).)
    CollapseTHEN (((if (0
      ) =0 then SplitOnConclITE else SplitOnHypITE (0)).)
      CollapseTHEN (Auto')).)

1: ....falsecase.... NILNIL

7. 0 < (||v||+1)
⊢ L1 = nth_tl((||v||+1) - 1;v @ L1)
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