

Inference at * 1 1
of proof for Lemma last-not-before:

....antecedent.... NILNIL

1. $T : \text{Type}$
 2. $L : T \text{ List}$
 3. $\neg(\uparrow\text{null}(L))$
 4. $\text{no_repeats}(T;L)$
 5. $x : T$
 6. $\text{last}(L) \text{ before } x \in L$
 7. $\forall x, y:T. x \text{ before } y \in L \Rightarrow (\neg(x = y))$
 8. $\neg(\text{last}(L) = x)$
- $\vdash(x \in L)$
by ((FLemma 'l.before_member' [-3])
CollapseTHEN (Auto·)).

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