

Inference at *
of proof for Lemma member_nth_tl:

$\vdash \forall T:\text{Type}, n:\mathbb{N}, x:T, L:(T \text{ List}). (x \in \text{nth_tl}(n;L)) \Rightarrow (x \in L)$
by InductionOnNat

1:basecase..... NILNIL

1. $T : \text{Type}$

$\vdash \forall x:T, L:(T \text{ List}). (x \in \text{nth_tl}(0;L)) \Rightarrow (x \in L)$

2:upcase..... NILNIL

1. $T : \text{Type}$

2. $n : \mathbb{Z}$

3. $0 < n$

4. $\forall x:T, L:(T \text{ List}). (x \in \text{nth_tl}(n - 1;L)) \Rightarrow (x \in L)$

$\vdash \forall x:T, L:(T \text{ List}). (x \in \text{nth_tl}(n;L)) \Rightarrow (x \in L)$

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