

Inference at * 2 1
of proof for Lemma member_nth_tl:

1. $T : \text{Type}$
2. $n : \mathbb{Z}$
3. $0 < n$
4. $\forall x:T, L:(T \text{ List}). (x \in \text{nth_tl}(n - 1;L)) \Rightarrow (x \in L)$
5. $x : T$
6. $T \text{ List}$

$\vdash (x \in \text{nth_tl}(n;[])) \Rightarrow (x \in [])$
by ((Subst' nth_tl(n ;[]) = [] (0)·)
CollapseTHEN (Auto·)).

1:equality..... NILNIL

$\vdash \text{nth_tl}(n;[]) = []$

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