

Inference at * 2 2 1
of proof for Lemma member_nth_tl:

...truecase.... NILNIL

1. $T : \text{Type}$
 2. $n : \mathbb{Z}$
 3. $0 < n$
 4. $\forall x:T, L:(T \text{ List}). (x \in \text{nth_tl}(n - 1;L)) \Rightarrow (x \in L)$
 5. $x : T$
 6. $T \text{ List}$
 7. $u : T$
 8. $v : T \text{ List}$
 9. $(x \in \text{nth_tl}(n;v)) \Rightarrow (x \in v)$
 10. $n \leq 0$
- $\vdash (x \in [u / v]) \Rightarrow (x \in [u / v])$
by Auto'

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