

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

....falsecase.... 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. T
 6. $T \text{ List}$
 7. $n_1 : \mathbb{Z}$
 8. $0 < n_1$
 9. $\text{nth_tl}(n_1 - 1;[]) = []$
 10. $0 < n_1$
- $\vdash \text{nth_tl}(n_1 - 1;\text{tl}([])) = []$
by ((Reduce 0)
CollapseTHEN (Auto·)).