

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

.....equality..... 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. $T \text{ List}$
- $\vdash \text{nth_tl}(n;[]) = []$
by Assert $\forall n:\mathbb{N}. \text{nth_tl}(n;[]) = []$

1:assertion..... NILNIL

$\vdash \forall n:\mathbb{N}. \text{nth_tl}(n;[]) = []$

2:

7. $\forall n:\mathbb{N}. \text{nth_tl}(n;[]) = []$
 $\vdash \text{nth_tl}(n;[]) = []$

.