

Inference at * 2 1 1
of proof for Lemma nth_tl.append:

1. $T : \text{Type}$
2. $T \text{ List}$
3. T
4. $v : T \text{ List}$
5. $bs : T \text{ List}$
6. $\text{nth_tl}(\|v\|; v @ bs) \sim bs$
7. $0 < (\|v\| + 1)$

$\vdash \text{nth_tl}((\|v\| + 1) - 1; v @ bs) \sim bs$
by ((NthHypSq (-2))
CollapseTHEN (ProveSqEq)).

1:

$\vdash ((\|v\| + 1) - 1) \sim \|v\|$

.