

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

1. $T : \text{Type}$
 2. $l_1 : T \text{ List}$
 3. $l_2 : T \text{ List}$
 4. $\|l_1\| \leq \|l_2\|$
 5. $\forall i:\mathbb{N}. (i < \|l_1\|) \Rightarrow (l_1[i] = l_2[(\|l_2\| - \|l_1\|) + i])$
 6. $i : \mathbb{N}$
 7. $i < \|l_1\|$
- $\vdash l_1[i] = \text{nth_tl}(\|l_2\| - \|l_1\|; l_2)[i]$
by ((RWO "select_nth_tl" 0)
CollapseTHEN (Auto')).

1:

$$\vdash l_1[i] = l_2[(i + (\|l_2\| - \|l_1\|))]$$

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