

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

1. T : Type
 2. l_1 : T List
 3. l_2 : T 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. $l_1 = \text{nth_tl}(\|l_2\| - \|l_1\|; l_2)$
- $\vdash l_2 = (\text{firstn}(\|l_2\| - \|l_1\|; l_2) @ \text{nth_tl}(\|l_2\| - \|l_1\|; l_2))$
by InteriorProof ((RWO "append_firstn_lastn" 0)
CollapseTHEN (Auto')).