Inference at $*$ 2 1 1 2
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 = nth_tl($\|l_2\|$ - $\|l_1\|$;l_2)

$\vdash l_2$ = (firstn($\|l_2\|$ - $\|l_1\|$;l_2) @ l_1)
by ((RW (AddrC [3;2] (HypC (-1))) 0)
CollapseTHENA (Auto·))·

1:

$\vdash l_2$ = (firstn($\|l_2\|$ - $\|l_1\|$;l_2) @ nth_tl($\|l_2\|$ - $\|l_1\|$;l_2))
.