Inference at $*$ 1 3 1
of proof for Lemma last-not-before:

1. T : Type
2. L : T List
3. $\neg(\uparrow\text{null}(L))$
4. no_repeats(T;L)
5. x : T
6. last(L) before $x \in L$
7. $\forall x$, y:T. x before $y \in L \Rightarrow (\neg(x = y))$
8. $\neg(\text{last}(L) = x)$
9. x before last(L) $\in L$
10. last(L) before last(L) $\in L$

$\vdash$False
by InteriorProof ((FHyp (-4) [-1])
CollapseTHENA (Auto$\cdot$))$\cdot$

1:

11. $\neg(\text{last}(L) = \text{last}(L))$

$\vdash$ False

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