

Inference at * 2 1
of proof for Lemma adjacent-cons:

1. $T : \text{Type}$
2. $x : T$
3. $y : T$
4. $u : T$
5. $L : T \text{ List}$
6. $0 < \|L\|$
7. $x = u \ \& \ y = \text{hd}(L)$

$\vdash \exists i : \{0..(\|L\|+1) - 1\}^- . (x = [u / L][i] \ \& \ y = [u / L][i+1])$
by (((InstConcl [0])
CollapseTHEN ((Reduce 0)
CollapseTHEN (Auto'·)·)·)

CollapseTHEN ((DVar 'L')
CollapseTHEN ((All Reduce)
CollapseTHEN (Auto·)·)·)·)