

Inference at * 1 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. $i : \{0..(\|L\|+1) - 1\}^-$
7. $x = [u / L][i]$
8. $y = [u / L][(i+1)]$
9. $0 < \|L\|$
10. $i = 0$

$\vdash (x = u \ \& \ y = \text{hd}(L)) \vee (\exists i:\{0..(\|L\| - 1)\}^-. (x = L[i] \ \& \ y = L[(i+1)]))$
by (((((OrLeft
CollapseTHENA (Auto·))·)
CollapseTHEN (((HypSubst' (-1) (-4))

CollapseTHEN (((HypSubst' (-1) (-3))
CollapseTHEN (((DVar 'L')
CollapseTHEN (((
All Reduce)
CollapseTHEN (Auto·))·))·))·))·))·))·