

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

1. $T : \text{Type}$
2. $x : T$
3. $y : T$
4. $L_1 : T \text{ List}$
5. $u : T$
6. $v : T \text{ List}$
7. $0 < \|L_1\|$
8. $0 < (\|v\|+1)$
9. $x = \text{last}(L_1)$
10. $y = u$

$\vdash y = [u / v][(((\|L_1\| - 1)+1) - \|L_1\|)]$
by ((RWO "select_cons_hd" 0)
CollapseTHEN (Auto')).