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

1. T : Type
2. x : T
3. y : T
4. L_1 : T List
5. L_2 : T List
6. $0 < \|L_1\|$
7. $0 < \|L_2\|$
8. $x = \text{last}(L_1)$
9. $y = \text{hd}(L_2)$

$\vdash y = L_2[(((\|L_1\| - 1)+1) - \|L_1\|)]$
by ((DVar 'L2')
CollapseTHEN (((All Reduce)
CollapseTHEN (Auto'))·))·

1:

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

$\vdash y = [u \,/\, v][(((\|L_1\| - 1)+1) - \|L_1\|)]$

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