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

. . . . .wf. . . . . NILNIL

1. T : Type
2. x : T
3. y : T
4. L_1 : T List
5. L_2 : T List
6. i : $\{0..(\|L_1 \mathbin{@} L_2\| - 1)^-\}$
7. $x = (L_1 \mathbin{@} L_2)[i]$
8. $y = (L_1 \mathbin{@} L_2)[(i+1)]$
9. $\neg(i < \|L_1\|)$
10. $0 < \|L_1\|$
11. $0 < \|L_2\|$

$\vdash \neg(\uparrow \mathrm{null}(L_1))$

by ((DVar 'L1')
CollapseTHEN (((All Reduce)
CollapseTHEN (Auto$\cdot$))$\cdot$))$\cdot$

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