

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

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1. T : Type
2. x : T
3. y : T
4. L1 : T List
5. L2 : T List
6. i : {0..(||L1 @ L2|| - 1)-}
7. x = L1[i]
8. y = L2[((i+1) - ||L1||)]
9. i < ||L1||
10. ¬(i < (||L1|| - 1))
⊢ (0 < ||L1||) & (0 < ||L2||) & x = last(L1) & y = hd(L2)
  by Auto'

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1:

⊢ x = last(L₁)

2:

⊢ y = hd(L₂)

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