

Inference at * 1 1 2
of proof for Lemma l.before_antisymmetry:

1. $T : \text{Type}$
2. $l : T \text{ List}$
3. $x : T$
4. $y : T$
5. $\text{no_repeats}(T;l)$

6. $[x; y] \subseteq l$

7. $[y; x] \subseteq l$

$\vdash [x; y; x] \subseteq l$

by InteriorProof ((((((InstLemma 'append_overlapping_sublists'
[T:[x];[x];l;y])

CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
3:n)) (first_tok :t) inil_term))))·)

CollapseTHEN (All Reduce))·)

CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
4:n)) (first_tok :t) inil_term))))·

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