Inference at $*$ 1 1 1
of proof for Lemma l_before_transitivity:

1. T : Type
2. l : T List
3. x : T
4. y : T
5. z : T
6. no_repeats(T;l)
7. $[x; y] \subseteq l$
8. $[y; z] \subseteq l$

$\vdash$ $[z] \subseteq [z]$
by Easy

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http://www.nuprl.org/FDLcontent/p0_963683_/p122_80995_{l_before_transitivity}1_1_1.html