

append_overlapping_sublists^{11,40}

$\forall T:\text{Type}, L_1, L_2, L:(T \text{ List}), x:T.$

$\text{no_repeats}(T;L) \Rightarrow L_1 @ [x] \subseteq L \Rightarrow [x / L_2] \subseteq L \Rightarrow L_1 @ [x / L_2] \subseteq L$

ProofTree