

iseg_append_single^{11,40}

$\forall T:\text{Type}, l_1, l_2:(T \text{ List}), x:T.$

$\text{iseg}(T; l_1; \text{append}(l_2; \text{cons}(x; [])))$

$\iff (\text{iseg}(T; l_1; l_2) \vee (l_1 = \text{append}(l_2; \text{cons}(x; []))))$