

iseg_append_iff^{11,40}

$\forall T:\text{Type}, l_1, l_2, l_3:(T \text{ List}).$

$\text{iseg}(T; l_1; \text{append}(l_2; l_3))$

$\iff (\text{iseg}(T; l_1; l_2) \vee (\exists l:T \text{ List}. ((0 < \|l\|) \wedge (l_1 = \text{append}(l_2; l)) \wedge \text{iseg}(T; l; l_3))))$