

iseg-transition-lemma^{0,22}

$\forall T:\text{Type}, P:(T \text{ List}) \rightarrow \text{Prop}, L:T \text{ List}, x:T.$
 $(\exists L_1:T \text{ List}. L_1 \leq L @ [x] \ \& \ P(L_1)) \ \& \ \neg(\exists L_1:T \text{ List}. L_1 \leq L \ \& \ P(L_1))$
 \Leftrightarrow
 $P(L @ [x]) \ \& \ \neg(\exists L_1:T \text{ List}. L_1 \leq L \ \& \ P(L_1))$