

## **iseg\_append\_iff**<sup>0,22</sup>

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

$l_1 \leq l_2 @ l_3 \Leftrightarrow l_1 \leq l_2 \vee (\exists l:T \text{ List. } 0 < \|l\| \ \& \ l_1 = (l_2 @ l) \ \& \ l \leq l_3)$