

l.before.l.index^{0,22}

$\forall T:\text{Type}, dT:\text{EqDecider}(T), L:T \text{ List}, x, y:T.$

$(x \in L) \Rightarrow (y \in L) \Rightarrow \text{index}(L;x) < \text{index}(L;y) \Rightarrow x \text{ before } y \in L$