

## **l.before\_l\_index**<sup>11,40</sup>

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

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