

## **l\_before\_filter**<sup>11,40</sup>

$\forall T:\text{Type}, l:(T \text{ List}), P:(T \rightarrow \mathbb{B}), x,y:T.$

$\text{l\_before}(x; y; \text{filter}(P; l); T) \iff ((\uparrow(P(x))) \wedge (\uparrow(P(y)))) \wedge \text{l\_before}(x; y; l; T)$