

## retraction-fun-path-before<sup>11,40</sup>

$\forall T:\text{Type}, f:(T \rightarrow T).$

$\text{retraction}(T;f)$

$\Rightarrow (\forall L:(T \text{ List}), x, y, a, b:T. x=f*(y) \text{ via } L \Rightarrow a \text{ before } b \in L \Rightarrow a = f+(b))$