

## **member-mapfilter**<sup>0,22</sup>

$\forall T:\text{Type}, L:T \text{ List}, P:(\{x:T \mid (x \in L)\} \rightarrow \mathbb{B}), T':\text{Type}, f:(\{x:T \mid (x \in L) \ \& \ P(x)\} \rightarrow T'), x:T'.$   
 $(x \in \text{mapfilter}(f;P;L)) \Leftrightarrow (\exists y:T. (y \in L) \ \& \ P(y) \ \& \ x = f(y))$