

member-mapfilter^{11,40}

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