

filter-equals^{11,40}

$\forall T:\text{Type}, P:(T \rightarrow \mathbb{B}), L_1, L_2:(T \text{ List}).$
 $\text{no_repeats}(T;L_1)$
 $\Rightarrow \text{no_repeats}(T;L_2)$
 $\Rightarrow ((\text{filter}(P;L_1) = L_2)$
 $\iff ((\forall x:T. (x \in L_2) \iff ((x \in L_1) \& (\uparrow(P(x))))))$
 $\quad \& (\forall x, y:T. x \text{ before } y \in L_2 \Rightarrow x \text{ before } y \in L_1)))$