

## decidable-filter<sup>11,40</sup>

$\forall T:\text{Type}, L:(T \text{ List}), P:(\{x:T \mid (x \in L)\} \rightarrow \mathbb{P}).$

$(\forall x \in L. \text{Dec}(P(x))) \Rightarrow (\exists L':T \text{ List}. (L' \subseteq L \ \& \ (\forall x:T. (x \in L') \iff ((x \in L) \ \& \ P(x))))$

ProofTree