

finite-decidable-set^{11,40}

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

$(\forall x:T. \text{Dec}(P(x))) \Rightarrow (\text{finite-type}(\{x:T \mid P(x)\}) \iff (\exists L:T \text{ List}. (\forall x:T. P(x) \Rightarrow (x \in L))))$