

split-at-first^{11,40}

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

$(\forall x:T. \text{Dec}(P(x)))$

$\Rightarrow (\forall L:(T \text{ List}). \exists X,Y:T \text{ List}. (L = (X @ Y) \ \& \ (\forall x \in X. \neg P(x)) \ \& \ ((\|Y\| \geq 1) \Rightarrow P(\text{hd}(Y))))))$