

decidable-last-rel^{0,22}

$\forall T:\text{Type}, P:((T \text{ List}) \rightarrow T \rightarrow \text{Prop}).$
 $(\forall L:T \text{ List}, x:T. \text{Dec}(P(L,x)))$
 $\Rightarrow (\forall L:T \text{ List}. \text{Dec}(\exists L':T \text{ List}, x:T. L = (L' @ [x]) \ \& \ P(L',x)))$