

list-diff-property^{11,40}

$\forall T:\text{Type}, eq:\text{EqDecider}(T), as,bs:(T \text{ List}).$

$(\forall x:T. (x \in \text{list-diff}(eq; as; bs)) \iff ((x \in as) \wedge (\neg(x \in bs))))$
 $\wedge (\text{no_repeats}(T; as) \Rightarrow \text{no_repeats}(T; \text{list-diff}(eq; as; bs)))$