

list-diff-property^{0,22}

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

$(\forall x:T. (x \in \text{list-diff}(eq;as;bs)) \Leftrightarrow (x \in as) \ \& \ \neg(x \in bs))$
& $(\text{no-repeats}(T;as) \Rightarrow \text{no-repeats}(T;\text{list-diff}(eq;as;bs)))$