

pairs-fpf_property^{0,22}

$\forall A, B:\text{Type}, eq_1:\text{EqDecider}(A), eq_2:\text{EqDecider}(B), L:(A \times B) \text{ List.}$

$\text{no_repeats}(A;\text{fpf-domain}(\text{fpf}(L)))$

$\& (\forall a:A. (a \in \text{fpf-domain}(\text{fpf}(L))) \Leftrightarrow (\exists b:B. (\langle a, b \rangle \in L)))$

$\& \forall a \in \text{dom}(\text{fpf}(L)). l = \text{fpf}(L)(a) \Rightarrow \text{no_repeats}(B;l) \& (\forall b:B. (b \in l) \Leftrightarrow (\langle a, b \rangle \in L))$