inv-rel[11,40]

inv-rel(A;B;f;*finv*)
$\equiv_{\text{def}}$ $(\forall a{:}A,\ b{:}B.\ (\mathit{finv}(b) = (\text{inl } a\ )) \Rightarrow (b = f(a)))$ & $(\forall a{:}A.\ \mathit{finv}(f(a)) = (\text{inl } a\ ))$

clarification:

inv-rel(A;B;f;*finv*)
$\equiv_{\text{def}}$ $(\forall a{:}A,\ b{:}B.\ (\mathit{finv}(b) = (\text{inl } a\ ) \in (A + \text{Unit})) \Rightarrow (b = f(a) \in B))$
& $(\forall a{:}A.\ \mathit{finv}(f(a)) = (\text{inl } a\ ) \in (A + \text{Unit}))$

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http://www.nuprl.org/FDLcontent/p0_963683_/p63_287255_{inv-rel}.html