

fpf-compatible-join2^{11,40}

$\forall A:\text{Type}, eq:\text{EqDecider}(A), B:(A \rightarrow \text{Type}), f,g,h:\text{fpf}(A; a.B(a)).$
 $\text{fpf-compatible}(A; a.B(a); eq; f; h)$
 $\Rightarrow \text{fpf-compatible}(A; a.B(a); eq; g; h)$
 $\Rightarrow \text{fpf-compatible}(A; a.B(a); eq; \text{fpf-join}(eq; f; g); h)$