fpf-compatible-join[11,40]

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