

fpf-join-ap-left^{11,40}

$\forall A:\text{Type}, B,C:(A \rightarrow \text{Type}), eq:\text{EqDecider}(A), f:\text{fpf}(A; a.B(a)), g:\text{fpf}(A; a.C(a)), x:A.$
 $(\uparrow \text{fpf-dom}(eq; x; f)) \Rightarrow (\text{fpf-ap}(\text{fpf-join}(eq; f; g); eq; x) = \text{fpf-ap}(f; eq; x) \in B(x))$