Q-R-glues-conditional2[11,40]

$\forall es$:ES, Q_1, Q_2, R:(E→E→ $\mathbb{P}$), A, B:Type, Ia_1, Ia_2:AbsInterface(A), Ib_1, Ib_2:AbsInterface(B), f:(E($[Ia_1?Ia_2]$)→B), g_1:(E(Ib_1)→E), g_2:(E(Ib_2)→E).
$Ia_1 \cap Ia_2 = 0$
$\Rightarrow Ib_1 \cap Ib_2 = 0$
$\Rightarrow g_1$ glues $Ia_1{:}Q_1 \; {-}{-}f{\rightarrow} \; Ib_1{:}R$
$\Rightarrow g_2$ glues $Ia_2{:}Q_2 \; {-}{-}f{\rightarrow} \; Ib_2{:}R$
$\Rightarrow [\{Ib_1\}?\ g_1 : g_2]$ glues $[Ia_1?Ia_2]{:}Q_1|\{Ia_1\} \vee Q_2|\{Ia_2\} \; {-}{-}f{\rightarrow} \; [Ib_1?Ib_2]{:}R$

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http://www.nuprl.org/FDLcontent/p0_963683_/p29_670592_{Q-R-glues-conditional2}.html