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

$\forall es$:ES, P:(E$\to \mathbb{P}$), p:($\forall e$:E. Dec($P(e)$)), Q, R:(E$\to$E$\to \mathbb{P}$).
($\forall x$, y:E. ($Q(x,y)$) $\Rightarrow$ ($P(x) \iff P(y)$))
$\Rightarrow$ ($\forall A$, B:Type, Ia:AbsInterface(A), Ib:AbsInterface(B), f:(E(Ia)$\to B$), g_1, g_2:(E(Ib)$\to$E),
q:($\forall e$:E. Dec(($\uparrow(e \in_b Ib)$) c$\wedge$ $P(g_1(e))$))).
g_1 glues ($Ia|p$):Q $--f\to$ ($Ib|q$):R
$\Rightarrow$ g_2 glues ($Ia|\neg p$):Q $--f\to$ ($Ib|\neg q$):R
$\Rightarrow$ [$\lambda e.P(g_1(e))?\ g_1 : g_2$] glues Ia:Q $--f\to$ Ib:R)

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http://www.nuprl.org/FDLcontent/p0_963683_/p29_619040_{Q-R-glues-split}.html