

Q-R-glues-composes^{11,40}

$\forall es:ES, Qa, Rb, Sc:(E \rightarrow E \rightarrow \mathbb{P}), A, B, C:\text{Type}, Ia:\text{AbsInterface}(A), Ib:\text{AbsInterface}(B),$
 $Ic:\text{AbsInterface}(C), f_1:(E(Ia) \rightarrow B), f_2:(B \rightarrow C), g_1:(E(Ib) \rightarrow E(Ia)), g_2:(E(Ic) \rightarrow E(Ib)).$
 $(g_1 \text{ glues } Ia:Qa \dashrightarrow f_1 \rightarrow Ib:Rb \text{ \& } g_2 \text{ glues } Ib:Rb \dashrightarrow \lambda e.f_2(Ib(e)) \rightarrow Ic:Sc)$
 $\Rightarrow g_1 \circ g_2 \text{ glues } Ia:Qa \dashrightarrow f_2 \circ f_1 \rightarrow Ic:Sc$