Q-R-pre-preserving_functionality_wrt_implies[11,40]

$\forall es$:ES, P_1, P_2:(E$\rightarrow \mathbb{P}$), Q_1, R_1, Q_2, R_2:(E$\rightarrow$E$\rightarrow \mathbb{P}$), f:($\{e$:E$|\ P_1(e)\} \rightarrow$E).
$P_1 \Leftarrow P_2$
$\Rightarrow Q_1 \Leftarrow Q_2$
$\Rightarrow R_1 => R_2$
$\Rightarrow \{f$ is Q_1-R_1-pre-preserving on $P_1 \Rightarrow f$ is Q_2-R_2-pre-preserving on $P_2\}$

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http://www.nuprl.org/FDLcontent/p0_963683_/p29_432759_{Q-R-pre-preserving_functionality_wrt_implies}.html