all_functionality_wrt_iff[12,41]

$\forall S$, T:Type, P, Q:($S \rightarrow \mathbb{P}$).
$(S = T) \Rightarrow (\forall x{:}S.\ P(x) \iff Q(x)) \Rightarrow ((\forall x{:}S.\ P(x)) \iff (\forall y{:}T.\ Q(y)))$

ProofTree

http://www.nuprl.org/FDLcontent/p0_942988_/p2_3555_{all_functionality_wrt_iff}.html