

exists_functionality_wrt_iff^{13,42}

$\forall S, T:\text{Type}, P, Q:(S \rightarrow \mathbb{P}).$

$(S = T) \Rightarrow (\forall x:S. P(x) \iff Q(x)) \Rightarrow ((\exists x:S. P(x)) \iff (\exists y:T. Q(y)))$