

equiv_rel_functionality_wrt_iff^{12,41}

$\forall T, T': \text{Type}, E: (T \rightarrow T \rightarrow \mathbb{P}), E': (T' \rightarrow T' \rightarrow \mathbb{P}).$
 $(T = T')$
 $\Rightarrow (\forall x, y: T. E(x, y) \iff E'(x, y))$
 $\Rightarrow (\text{EquivRel}(T; x, y. E(x, y)) \iff \text{EquivRel}(T'; x, y. E'(x, y)))$

ProofTree