decidable__quotient_equal[12,41]

$\forall T$:Type, E:($T \to T \to \mathbb{P}$).
EquivRel(T;x,y.$E(x,y)$) $\Rightarrow$ ($\forall x$, y:T. Dec($E(x,y)$)) $\Rightarrow$ ($\forall u$, v:(x,y:$T//E(x,y)$). Dec($u = v$))

ProofTree

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http://www.nuprl.org/FDLcontent/p0_942988_/p15_4653_{decidable__quotient_equal}.html