Inference at $*$
of proof for Lemma decidable_quotient_equal:

$\vdash \forall T$: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($u = v$))
by ((RepeatMFor 4 (D 0))
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

1. T : Type
2. E : $T \to T \to \mathbb{P}$
3. EquivRel(T;x,y.$E(x,y)$)
4. $\forall x$, y:T. Dec($E(x,y)$)

$\vdash \forall u$, v:(x,y:$T//E(x,y)$). Dec($u = v$)

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_78690_{decidable_quotient_equal}.html