

Inference at *
of proof for Lemma decidable__quotient_equal:

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

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1. $T : \text{Type}$
 2. $E : T \rightarrow T \rightarrow \mathbb{P}$
 3. $\text{EquivRel}(T;x,y.E(x,y))$
 4. $\forall x, y:T. \text{Dec}(E(x,y))$
- $\vdash \forall u, v:(x,y:T // E(x,y)). \text{Dec}(u = v)$

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