Inference at $*$ 1 1 1 1
of proof for Lemma decidable_quotient_equal:

. . . . .assertion. . . . . NILNIL

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

$\vdash f \in (x,y{:}T//E(x,y)) \to (x,y{:}T//E(x,y)) \to \mathbb{B}$
by ((ExtWith [‘u’] [$T \to T \to \mathbb{B}$])
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

6. u : $x,y{:}T//E(x,y)$

$\vdash f(u) \in (x,y{:}T//E(x,y)) \to \mathbb{B}$
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