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

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. $\forall x, y{:}T.\ (\uparrow(x\ f\ y)) \iff E(x,y)$
6. u_1 : T
7. u_2 : T
8. $E(u_1,u_2)$

$\vdash f(u_1) = f(u_2)$
 by ((ExtWith ['v'] [$T \to \mathbb{B}$])
 CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
 ),(first_nat 3:n)) (first_tok :t) inil_term)))·

 1:

 9. v : $x,y{:}T//E(x,y)$

 $\vdash f(u_1,v) = f(u_2,v)$

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