Inference at * 1 2 1 1
 of proof for Lemma all_quot_elim:

1. T : Type
2. E : $T \to T \to \mathbb{P}$
3. EquivRel(T;x,y.$E(x,y)$)
4. F : (x,y:$T//(E(x,y))) \to \mathbb{P}$
5. $\forall w$:(x,y:$T//(E(x,y))$). ($\downarrow(F(w))$ $\Rightarrow$ ($F(w)$)
6. $\forall z$:T. $F(z)$
7. z : x,y:$T//(E(x,y))$

$\vdash$ Ax = Ax
 by ((New ['a';'b'] (D 7))
 CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
 ),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

7. a : T
8. b : T
9. $E(a,b)$

$\vdash$ Ax = Ax

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