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

1. T : Type
2. E : $T \to T \to \mathbb{P}$
3. EquivRel(T;x,y.$E(x,y)$)
4. a : T
5. b : T
6. $a = b$

$\vdash \downarrow E(a,b)$
by ((EqTypeHD 6)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

6. $E(a,b)$

$\vdash \downarrow E(a,b)$

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