Inference at $*$ 2 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. E(a,b)

$\vdash a = b$

 by ((EqTypeCD)
 CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
 )) (first_tok :t) inil_term)))·

 .