Inference at $*$
of proof for Lemma quot_elim:

$\vdash \forall T$:Type, E:($T \to T \to \mathbb{P}$). EquivRel(T;x,y.$E(x,y)$) $\Rightarrow$ ($\forall a$, b:T. ($a = b$) $\iff$ ($\downarrow E(a,b)$))
by ((GenUnivCD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

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. $a = b$

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

2:

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. $\downarrow E(a,b)$

$\vdash a = b$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_78857_{quot_elim}.html