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

$\vdash \forall T$:Type, $E$:($T \to T \to \mathbb{P}$).
EquivRel($T$;$x$,$y$.$E(x,y)$)
$\Rightarrow$ ($\forall F$:(($x$,$y$:$T//(E(x,y))) \to \mathbb{P}$).
($\forall w$:($x$,$y$:$T//(E(x,y))$). SqStable($F(w)$))
$\Rightarrow$ (($\forall z$:($x$,$y$:$T//(E(x,y))$). $F(z)$) $\iff$ ($\forall z$:$T$. $F(z)$))
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. $F$ : ($x$,$y$:$T//(E(x,y))) \to \mathbb{P}$
5. $\forall w$:($x$,$y$:$T//(E(x,y))$). SqStable($F(w)$)
6. $\forall z$:($x$,$y$:$T//(E(x,y))$). $F(z)$
7. $z$ : $T$

$\vdash F(z)$

2:

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. $\forall w$:($x$,$y$:$T//(E(x,y))$). SqStable($F(w)$)
6. $\forall z$:$T$. $F(z)$
7. $z$ : $x$,$y$:$T//(E(x,y))$

$\vdash F(z)$

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