Inference at $*$ 1 2 1 1 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. a : T
8. b : T
9. $E(a,b)$

$\vdash F(a)$

by ((BackThruHyp 6)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
),(first_nat 4:n)) (first_tok :t) inil_term)))·

.

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_78322_{all_quot_elim}1_2_1_1_1_1.html