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

$\vdash F(z)$

by ((BackThruHyp 6)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
),(first_nat 3:n)) (first_tok :t) inil_term)))·

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