Inference at $*$ 1 2 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. $E(a,b)$

$\vdash$ Ax = Ax
by SquashEqTypeCD

1:

$\vdash F(a)$

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