Inference at $*$ 1 2 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. z : x,y:$T//(E(x,y))$

$\vdash \downarrow(F(z))$
by UseEqWitness Ax

1:

$\vdash$ Ax = Ax
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