

Inference at \* 2  
of proof for Lemma quot\_elim:

1.  $T : \text{Type}$
2.  $E : T \rightarrow T \rightarrow \mathbb{P}$
3.  $\text{EquivRel}(T; x, y. E(x, y))$
4.  $a : T$
5.  $b : T$
6.  $\downarrow E(a, b)$

$\vdash a = b$   
by D 6

1:

6.  $E(a, b)$   
 $\vdash a = b$

.