

Inference at * 2 1
of proof for Lemma quot_elim:

```

1. T : Type
2. E : T → T →  $\mathbb{P}$ 
3. EquivRel(T;x,y.E(x,y))
4. a : T
5. b : T
6. E(a,b)
 $\vdash a = b$ 
  by ((EqTypeCD)
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)
      )) (first_tok :t) inil_term)))

```

.