

Inference at * 1
of proof for Lemma quot_elim:

```

1. T : Type
2. E : T → T → ℙ
3. EquivRel(T;x,y.E(x,y))
4. a : T
5. b : T
6. a = b
⊢ ↓E(a,b)
  by ((EqTypeHD 6)
    CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
      3:n)) (first_tok :t) inil_term))))

```

1:

```

6. E(a,b)
⊢ ↓E(a,b)
.

```