

Inference at \* 1  
of proof for Lemma quotient\_qinc:

```
1. T : Type
2. E : T → T → ℙ
3. EquivRel(T;x,y.E(x,y))
4. x : T
⊢ x ∈ (x,y:T // E(x,y))
  by ((MemTypeCD
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
      3:n)) (first_tok :t) inil_term))))
.
```