

Inference at * 1 1 1 2 1
of proof for Lemma decidable__quotient_equal:

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1. T : Type
2. E : T → T → ℙ
3. EquivRel(T;x,y.E(x,y))
4. f : T → T → ℙ
5. ∀x, y:T. (↑(x f y)) ⇔ E(x,y)
6. f ∈ (x,y:T//E(x,y)) → (x,y:T//E(x,y)) → ℙ
⊢ ∀u, v:(x,y:T//E(x,y)). (↑(u f v)) ⇔ (u = v)
  by (((RepD)
    CollapseTHENM (CSquash)).)
    CollapseTHENA ((Auto_aux (first_nat 1:n
      ) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))).

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1:

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7. u : x,y:T//E(x,y)
8. v : x,y:T//E(x,y)
⊢ ↓((↑(u f v)) ⇔ (u = v))
.

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