

Inference at * 1
of proof for Lemma connex_functionality_wrt_iff:

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1. T : Type
2. R : T → T → ℙ
3. R' : T → T → ℙ
4. ∀x, y:T. R(x,y) ⇔ R'(x,y)
⊢ (∀x, y:T. R(x,y) ∨ R(y,x)) ⇔ (∀x, y:T. R'(x,y) ∨ R'(y,x))
  by InteriorProof ((RWH (HypC 4) 0)
    CollapseTHENA ((Auto_aux (first_nat 1:n)
      ) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inl_term)))

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1:

⊢ (∀x, y:T. R'(x,y) ∨ R'(y,x)) ⇔ (∀x, y:T. R'(x,y) ∨ R'(y,x))

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