

Inference at * 1 1
of proof for Lemma connex_functionality_wrt_implies:

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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)}
5. ∀x, y:T. R(x,y) ∨ R(y,x)
6. x : T
7. y : T
⊢ R'(x,y) ∨ R'(y,x)
  by InteriorProof ((RWH (HypC 4) 5)
  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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5. ∀x, y:T. R'(x,y) ∨ R'(y,x)
6. x : T
7. y : T
⊢ R'(x,y) ∨ R'(y,x)
.

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