

Inference at * 1 1
of proof for Lemma linorder_le_neg:

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1. T : Type
2. R : T → T → ℙ
3. ∀a:T. R(a,a)
4. ∀a, b, c:T. R(a,b) ⇒ R(b,c) ⇒ R(a,c)
5. ∀x, y:T. R(x,y) ⇒ R(y,x) ⇒ (x = y)
6. ∀x, y:T. R(x,y) ∨ R(y,x)
7. a : T
8. b : T
9. ¬R(a,b)
⊢strict_part(x,y.R(x,y);b;a)
  by ((((((InstHyp [a;b] 6)
    CollapseTHENM (Unfold 'strict_part' 0)).)
    CollapseTHENM (
      ProveProp)).)
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)
      )) (first_tok :t) inil_term))).
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