Inference at $*$ 1 1
 of proof for Lemma linorder_le_neg:

1. T : Type
2. R : $T \to T \to \mathbb{P}$
3. $\forall a{:}T.\ R(a,a)$
4. $\forall a, b, c{:}T.\ R(a,b) \Rightarrow R(b,c) \Rightarrow R(a,c)$
5. $\forall x, y{:}T.\ R(x,y) \Rightarrow R(y,x) \Rightarrow (x = y)$
6. $\forall x, y{:}T.\ R(x,y) \vee R(y,x)$
7. a : T
8. b : T
9. $\neg R(a,b)$

$\vdash$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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http://www.nuprl.org/FDLcontent/p0_942988_/p121_79160_{linorder_le_neg}1_1.html