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

1. T : Type
2. R : $T \to T \to \mathbb{P}$
3. Linorder(T;x,y.$R(x,y)$)
4. a : T
5. b : T
6. $\neg R(a,b)$

$\vdash$ strict_part(x,y.$R(x,y)$;b;a)
 by ARepD ["compound";"basic"]

 1:

 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)

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