Inference at $*$
of proof for Lemma linorder_le_neg:

$\vdash \forall T$:Type, R:($T \to T \to \mathbb{P}$).
Linorder(T;x,y.$R(x,y)$) $\Rightarrow$ ($\forall a$, b:T. ($\neg R(a,b)$) $\iff$ strict_part(x,y.$R(x,y)$;b;a))
by ((GenRepD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))·

1:

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)

2:

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. strict_part(x,y.$R(x,y)$;b;a)

$\vdash \neg R(a,b)$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_79160_{linorder_le_neg}.html