

Inference at *
of proof for Lemma connex_functionality_wrt_iff:

$\vdash \forall T:\text{Type}, R, R':(T \rightarrow T \rightarrow \mathbb{P}).$
 $(\forall x, y:T. R(x,y) \iff R'(x,y)) \Rightarrow (\text{Connex}(T;x,y.R(x,y)) \iff \text{Connex}(T;x,y.R'(x,y)))$
by (((UnivCD)
CollapseTHENM (Unfold 'connex' 0)).)
CollapseTHENA (
(Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))).

1:

1. $T : \text{Type}$
 2. $R : T \rightarrow T \rightarrow \mathbb{P}$
 3. $R' : T \rightarrow T \rightarrow \mathbb{P}$
 4. $\forall x, y:T. R(x,y) \iff R'(x,y)$
- $\vdash (\forall x, y:T. R(x,y) \vee R(y,x)) \iff (\forall x, y:T. R'(x,y) \vee R'(y,x))$