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

1. T : Type
2. R : $T \to T \to \mathbb{P}$
3. R' : $T \to T \to \mathbb{P}$
4. $\forall x, y{:}T.\ \{R(x,y) \Rightarrow R'(x,y)\}$
5. $\forall x, y{:}T.\ R'(x,y) \vee R'(y,x)$
6. x : T
7. y : T

$\vdash R'(x,y) \vee R'(y,x)$

by ((BHyp 5)
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_80318_{connex_functionality_wrt_implies}1_1_1.html