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

1. T : Type
2. R : $T \to T \to \mathbb{P}$
3. R' : $T \to T \to \mathbb{P}$
4. $\forall x, y{:}T.\ R(x,y) \iff R'(x,y)$

$\vdash (\forall x, y{:}T.\ R'(x,y) \vee R'(y,x)) \iff (\forall x, y{:}T.\ R'(x,y) \vee R'(y,x))$

by InteriorProof ((HypBackchain)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat
1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_80569_{connex_functionality_wrt_iff}1_1.html