

Inference at *
of proof for Lemma and_functionality_wrt_iff:

$\vdash \forall P_1, P_2, Q_1, Q_2 : \mathbb{P}. (P_1 \iff P_2) \Rightarrow (Q_1 \iff Q_2) \Rightarrow ((P_1 \ \& \ Q_1) \iff (P_2 \ \& \ Q_2))$
by (((GenUnivCD)
CollapseTHENM (HypBackchain)).)
CollapseTHEN (
(Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))).