

Inference at *
of proof for Lemma ifthenelse_wf:

$\vdash \forall b:\mathbb{B}, A:\text{Type}, p, q:A. \text{ if } b \text{ then } p \text{ else } q \text{ fi} \in A$
by ((UnivCD)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))

1:

1. $b : \mathbb{B}$
 2. $A : \text{Type}$
 3. $p : A$
 4. $q : A$
- $\vdash \text{ if } b \text{ then } p \text{ else } q \text{ fi} \in A$

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