

Inference at *
of proof for Lemma fun_thru_ite:

$\vdash \forall S, T:\text{Type}, f:(S \rightarrow T), b:\mathbb{B}, p, q:S.$
 $f(\text{if } b \text{ then } p \text{ else } q \text{ fi}) = \text{if } b \text{ then } f(p) \text{ else } f(q) \text{ fi}$
by ((((((RepD
CollapseTHENM (OnVar 'b' BoolCases)))·)
CollapseTHENM (AbReduce 0)))·)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok
:t) inil_term)))·
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