

fun_thru_ite^{12,41}

$\forall S, T:\text{Type}, f:(S \rightarrow T), b:\mathbb{B}, p, q:S.$

$f(\text{if } b \text{ then } p \text{ else } q \text{ fi}) = \text{if } b \text{ then } f(p) \text{ else } f(q) \text{ fi}$

ProofTree