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

1. $p : \mathbb{B}$
2. $q : \mathbb{B}$
$\vdash (\uparrow((p \wedge_b q) \vee_b ((\neg_b p) \wedge_b (\neg_b q)))) \iff (p = q)$
 by ((((((OnHyps [2;1] BoolCases)
 CollapseTHEN (AbReduce 0))·)
 CollapseTHEN (
  RW assert_pushdownC 0))·)
 CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
  ),(first_nat 3:n)) (first_tok :t) inil_term)))·

  1:

    1. ff = tt
    ⊢ False
  2:

    1. tt = ff
    ⊢ False
  .