Inference at ∗ 1 3
 of proof for Lemma decidable_equal_bool:

⊢(tt = ff) ∨ (¬(tt = ff))
  by ((((Sel 2 (D 0))
  CollapseTHENM (BLemma ‘btrue_neq_bfalse‘))·)
  CollapseTHEN (
    (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

    .

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_90665_{decidable_equal_bool}1_3.html