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

1. False $\Rightarrow$ True
2. False $\Leftarrow$ True
$\vdash$ff = tt
  by ((D 2)
  CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n
    )) (first_tok :t) inil_term)))·

    .

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_89544_{iff_imp_equal_bool}1_1.html