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

1. $i : \mathbb{Z}$
2. $j : \mathbb{Z}$
3. tt = ff
4. $i = j$

$\vdash i \neq j$

 by ((AssertLemma ‘btrue_neq_bfalse‘ [])
 CollapseTHEN ((Auto_aux (first_nat 1:n
) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)))·

 .