

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))))
```