

Inference at * 1 1
of proof for Lemma eq_atom_eq_false_elim_sqeual:

```

1. x : Atom
2. y : Atom
3. x =a y ~ ff
⊢ ¬(x = y)
  by (\p. let x, y = dest_sqeual (h (-1) p) in
      (Assert (
mk_equal_term bool_term y y)
      THENL [(Auto_aux (first_nat 1:n) ((first_nat 1:n
), (first_nat 3:n)) (first_tok :t) inil_term); SqSubstAtAddr [2] x (-1)

      THENL [(Auto_aux (first_nat 1:n) ((first_nat 1:n), (first_nat 4:n
)) (first_tok :t) inil_term); Id]]) p)

1:

4. x =a y = ff
⊢ ¬(x = y)
.

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