

Inference at * 1 1 1
of proof for Lemma eq_atom_eq_false_elim_sqeual:

```
1. x : Atom
2. y : Atom
3. x =a y ~ ff
4. x =a y = ff
 $\vdash \neg(x = y)$ 
  by InteriorProof ((RW bool_to_propC (-1))
    CollapseTHEN ((Auto_aux (first_nat 1:n
      ) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))
  .
```