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

1. x : Atom
2. y : Atom
3. $x =$a $y =$ ff

$\vdash \neg(x = y)$

 by InteriorProof ((RW bool_to_propC 3)
 CollapseTHEN ((Auto_aux (first_nat 1:n
) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

 .