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

1. x : Atom
2. y : Atom
3. $x =$a $y \sim$ 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)))·

 .

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_85669_{eq_atom_eq_false_elim_sqequal}1_1_1.html