

Inference at *
of proof for Lemma eq_atom_eq_false_elim_sqeual:

$\vdash \forall x, y: \text{Atom}. (x =_a y \sim \text{ff}) \Rightarrow (\neg(x = y))$
by (RepeatFor 2 ((D 0)
THENW ((Auto_aux (first_nat 1:n) ((first_nat 1:n), (first_nat
3:n)) (first_tok :t) inil_term)))

1:

1. $x : \text{Atom}$
 2. $y : \text{Atom}$
- $\vdash (x =_a y \sim \text{ff}) \Rightarrow (\neg(x = y))$

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