Inference at $*$
of proof for Lemma eq_atom_eq_false_elim_sqequal:

$\vdash \forall x, y$:Atom. $(x =_a y \sim \mathrm{ff}) \Rightarrow (\neg(x = y))$
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 : Atom
2. y : Atom

$\vdash (x =_a y \sim \mathrm{ff}) \Rightarrow (\neg(x = y))$

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