

Inference at * 1
of proof for Lemma eq_atom_eq_false_elim_sqeual:

1. $x : \text{Atom}$
2. $y : \text{Atom}$
 $\vdash (x =_a y \sim \text{ff}) \Rightarrow (\neg(x = y))$
by D 0

1:

3. $x =_a y \sim \text{ff}$
 $\vdash \neg(x = y)$
2:wf..... NILNIL

$\vdash (x =_a y \sim \text{ff}) \in \text{Type}$

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