

Inference at * 1
of proof for Lemma assert_of_eq_atom:

1. $x : \text{Atom}$
2. $y : \text{Atom}$
3. \uparrow if $x=y$ then tt else ff
 $\vdash x = y$
by ((Decide $x = y$)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
) , (first_nat 4:n)) (first_tok :t) inil_term))))·

1:

4. $x = y$
 $\vdash x = y$

2:

4. $\neg(x = y)$
 $\vdash x = y$

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