

Inference at * 1 2
of proof for Lemma assert_of_eq_atom:

```

1. x : Atom
2. y : Atom
3. ↑if x=y then tt else ff
4. ¬(x = y)
⊢ x = y
  by ((RWH (ReduceThenC (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)
  )) (first_tok :t) inil_term)) 3)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat
  1:n),(first_nat 3:n)) (first_tok :t) inil_term))).

```

1:

```

3. ↑ff
4. ¬(x = y)
⊢ x = y
.

```