

Inference at * 2
of proof for Lemma assert_of_eq_atom:

1. $x : \text{Atom}$

2. $y : \text{Atom}$

3. $x = y$

$\vdash \uparrow \text{if } x=y \text{ then tt else ff}$

by ((RWH (ReduceThenC (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)) 0)

CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n) (first_tok :t) inil_term))))).

1:

$\vdash \uparrow \text{tt}$

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