

Inference at * 2 1
of proof for Lemma assert_of_eq_int:

```

1.  $x : \mathbb{Z}$ 
2.  $y : \mathbb{Z}$ 
3.  $x = y$ 
 $\vdash \uparrow$ if  $x=y$  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)
  CollapseTHENNA ((Auto_aux (first_nat 1:n) ((first_nat
    1:n),(first_nat 3:n)) (first_tok :t) inil_term))).

```

1:

$\vdash \uparrow$ tt

.