

Inference at *
of proof for Lemma assert_of_eq_int:

$\vdash \forall x, y: \mathbb{Z}. (\uparrow(x =_0 y)) \iff (x = y)$
by ((GenUnivCD)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n), (first_nat
3:n)) (first_tok :t) inil_term))).

1:

1. $x : \mathbb{Z}$
 2. $y : \mathbb{Z}$
 3. $\uparrow(x =_0 y)$
- $\vdash x = y$

2:

1. $x : \mathbb{Z}$
 2. $y : \mathbb{Z}$
 3. $x = y$
- $\vdash \uparrow(x =_0 y)$
- .