Inference at ∗ 1 2
 of proof for Lemma assert_of_lt_int:

1. $x : \mathbb{Z}$
2. $y : \mathbb{Z}$
3. $\uparrow x <\text{z } y$
4. $\neg(x < y)$

$\vdash x < y$
 by ((((Unfold ‘lt_int‘ 3)
 CollapseTHEN (RWH (ReduceThenC (Auto_aux (first_nat 1:n
) ((first_nat 2:n),(first_nat 3: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. $\uparrow$ff
 4. $\neg(x < y)$
 $\vdash x < y$
 .