

Inference at * 1
of proof for Lemma assert_of_lt_int:

1. $x : \mathbb{Z}$
2. $y : \mathbb{Z}$
3. $\uparrow x <_z y$
 $\vdash x < y$
by ((Decide $x < y$)
CollapseTHEN (Auto_aux (first_nat 1:n) ((first_nat 1:n
,(first_nat 4:n)) (first_tok :t) inil_term))))·

1:

4. $x < y$
 $\vdash x < y$

2:

4. $\neg(x < y)$
 $\vdash x < y$

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