Inference at $*$ 2
 of proof for Lemma assert_of_lt_int:

1. $x : \mathbb{Z}$
2. $y : \mathbb{Z}$
3. $x < y$

$\vdash \uparrow x <\mathrm{z}\ y$

 by ((((Unfold ‘lt_int‘ 0)
 CollapseTHEN (RWH (ReduceThenC (Auto_aux (first_nat 1:n
) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)) 0))·)
 CollapseTHENA (
 (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

 1:

 $\vdash \uparrow$tt

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_88967_{assert_of_lt_int}2.html