

Inference at * 2
of proof for Lemma assert_of_lt_int:

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

 $\vdash \uparrow tt$ 
.
```