

Inference at \* 1 1  
of proof for Lemma assert\_of\_le\_int:

1.  $x : \mathbb{Z}$

2.  $y : \mathbb{Z}$

$\vdash (\neg(\uparrow y <_z x)) \iff (\neg(y < x))$

by InteriorProof ((RWH (LemmaC 'assert\_of\_lt\_int') 0)

CollapseTHEN (

(Auto\_aux (first\_nat 1:n) ((first\_nat 1:n),(first\_nat 3:n)) (first\_tok  
:t) inil\_term)))

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