Inference at $*$
of proof for Lemma assert_of_le_int:

$\vdash \forall x, y{:}\mathbb{Z}.\ (\uparrow x \leq_z y) \iff (x \leq y)$
by ((((Unfolds "le_int le" 0)
CollapseTHEN (UnivCD))$\cdot$)
CollapseTHENA (
(Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))$\cdot$

1:

1. $x : \mathbb{Z}$
2. $y : \mathbb{Z}$
$\vdash (\uparrow(\neg_b y <_z x)) \iff (\neg(y < x))$

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