Inference at $*$
of proof for Lemma assert_of_lt_int:

$\vdash \forall x, y{:}\mathbb{Z}.\ (\uparrow x <\text{z } y) \iff (x < y)$
by ((GenUnivCD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

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

$\vdash x < y$

2:

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

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

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