Inference at $*$
of proof for Lemma lt_int_eq_true_elim_sqequal:

$\vdash \forall i, j{:}\mathbb{Z}.\ (i <\text{z}\ j \sim \text{tt}) \Rightarrow (i < j)$
by (RepeatFor 2 ((D 0)
THENW ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
3:n)) (first_tok :t) inil_term)))·)

1:

1. $i : \mathbb{Z}$
2. $j : \mathbb{Z}$
$\vdash (i <\text{z}\ j \sim \text{tt}) \Rightarrow (i < j)$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_86113_{lt_int_eq_true_elim_sqequal}.html