Inference at $*$ 1 2 1
of proof for Lemma lt_int_eq_true_elim_sqequal:

.....subterm..... T:t1:n

1. $i : \mathbb{Z}$
2. $j : \mathbb{Z}$

$\vdash i <\text{z } j \sim i <\text{z } j$

by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_86113_{lt_int_eq_true_elim_sqequal}1_2_1.html