Inference at $*$ 1
 of proof for Lemma lt_int_eq_true_elim:

1. $i : \mathbb{Z}$
2. $j : \mathbb{Z}$
3. $i <\mathrm{z}\ j = \mathrm{tt}$

$\vdash i < j$

 by ((RW bool_to_propC 3)
 CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
 ),(first_nat 3:n)) (first_tok :t) inil_term)))·

 .

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_86658_{lt_int_eq_true_elim}1.html