Inference at $*$
 of proof for Lemma bnot_of_lt_int:

$\vdash \forall i, j{:}\mathbb{Z}.\ (\neg_b i <\mathrm{z}\ j) = j \leq \mathrm{z}\ i$
 by ((Unfold ‘le_int‘ 0)
 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_91482_{bnot_of_lt_int}.html