Inference at $*$
of proof for Lemma b2i_bounds:

$\vdash \forall b{:}\mathbb{B}.\ (0 \leq \text{b2i}(b))\ \&\ (\text{b2i}(b) \leq 1)$
by ((D 0)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))·

1:

1. $b : \mathbb{B}$
$\vdash (0 \leq \text{b2i}(b))\ \&\ (\text{b2i}(b) \leq 1)$
.

http://www.nuprl.org/FDLcontent/p0_942988_/p121_91351_{b2i_bounds}.html