Inference at $*$
 of proof for Lemma zero_ann_b:

$\vdash \forall a, b{:}\mathbb{Z}.\ (\neg((a * b) = 0)) \Rightarrow ((\neg(a = 0)) \ \&\ (\neg(b = 0)))$
 by ((((((GenUnivCD)
 CollapseTHENM (D 0))·)
 CollapseTHENM (D (-2)))·)

 CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok
 :t) inil_term)))·

 1:

 1. $a : \mathbb{Z}$
 2. $b : \mathbb{Z}$
 3. $a = 0$
 $\vdash (a * b) = 0$

 2:

 1. $a : \mathbb{Z}$
 2. $b : \mathbb{Z}$
 3. $b = 0$
 $\vdash (a * b) = 0$

 .