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

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

$\vdash a = 0$

 by ((Using [‘n’,b] (BackThruLemma ‘mul_cancel_in_eq‘))
 CollapseTHENA (
  (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

  1:

   $\vdash (b * a) = (b * 0)$

  .

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_74714_{int_entire}1_2_1.html