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

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

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

 by ((DNth 2 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_74714_{int_entire}1_1.html