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

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

$\vdash a * b \neq 0$

 by ((FwdThruLemma 'int_entire' [5])
 CollapseTHEN ((Auto_aux (first_nat 1:n
 ) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)))·

 1:

 6. $(a = 0) \vee (b = 0)$

 $\vdash a * b \neq 0$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_74587_{int_entire_a}1_1.html