

Inference at * 1 1
of proof for Lemma int_entire_a:

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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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