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

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

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

 by ((DNth 1 0)
 CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
 3:n)) (first_tok :t) inil_term)))·

 1:

 $\vdash a = 0$

 .