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

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

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

by ((Decide $b = 0$)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
),(first_nat 4:n)) (first_tok :t) inil_term)))·

1:

4. $b = 0$

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

2:

4. $\neg(b = 0)$

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

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