Inference at $*$
 of proof for Lemma mul_cancel_in_eq:

$\vdash \forall a, b{:}\mathbb{Z}, n{:}\mathbb{Z}^{-\circ}.\ ((n * a) = (n * b)) \Rightarrow (a = b)$
 by ((RepeatMFor 3 (D 0))
 CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
 ),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

1. $a : \mathbb{Z}$
2. $b : \mathbb{Z}$
3. $n : \mathbb{Z}^{-\circ}$

$\vdash ((n * a) = (n * b)) \Rightarrow (a = b)$

.