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

1. $a : \mathbb{Z}$
2. $b : \mathbb{Z}$
3. $n : \mathbb{N}^+$
4. $(n * a) \leq (n * b)$

$\vdash a \leq b$

 by ((Assert $((n * a) < (n * b)) \vee ((n * a) = (n * b))$)
 CollapseTHENA (
  (Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

  1:

   5. $((n * a) < (n * b)) \vee ((n * a) = (n * b))$

   $\vdash a \leq b$

  .