Inference at $*$ 2 2
 of proof for Lemma pos_mul_arg_bounds:

1. $a : \mathbb{Z}$
2. $b : \mathbb{Z}$
3. $a < 0$
4. $b < 0$

$\vdash (a * b) > 0$

 by ((ReplaceWithEqv (TryC (HigherC IntSimpC)) ((-a) $*$ (-b)) > 0 0)
 CollapseTHENA (
  (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

  1:

   $\vdash ((-a) * (-b)) > 0$

  .