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

1. $a : \mathbb{Z}$
2. $b : \mathbb{Z}$
3. $((\text{-}a) * (\text{-}b)) > ((\text{-}a) * 0)$
4. $a < 0$

$\vdash b < 0$

```
  by ((FLemma 'mul_cancel_in_lt' [3])
  CollapseTHEN ((Auto_aux (first_nat 1:n
    ) ((first_nat 2:n),(first_nat 3:n)) (first_tok SupInf:t) inil_term)))·

    .
```