

Inference at * 1 1 1
of proof for Lemma neg_mul_arg_bounds:

```
1. a : ℤ
2. b : ℤ
3. (0 > (a * b)) ⇔ (((0 > a) & (b > 0)) ∨ ((a > 0) & (b < 0)))
⊢ ((a * b) < 0) ⇔ (((a < 0) & (b > 0)) ∨ ((a > 0) & (b < 0)))
  by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)
.
```