

Inference at * 1
of proof for Lemma mul_cancel_in_lt:

```

1. a : ℤ
2. b : ℤ
3. n : ℕ+
4. (n * a) < (n * b)
⊢ a < b
  by ((Decide a < b)
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
      ),(first_nat 4:n)) (first_tok :t) inil_term))))).

```

1:

```

5. ¬(a < b)
⊢ a < b
.

```