

Inference at * 1
of proof for Lemma add_cancel_in_lt:

```

1. a : ℤ
2. b : ℤ
3. n : ℤ
4. (a+n) < (b+n)
⊢ a < b
  by ((Assert (a+n+(-n)) < (b+n+(-n)))
  CollapseTHENM ((Auto_aux (first_nat 1:n
    ) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

```

1:assertion..... NILNIL

⊢ (a+n+(-n)) < (b+n+(-n))

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