

Inference at * 1 2
of proof for Lemma assert_of_lt_int:

```
1. x : ℤ
2. y : ℤ
3. ↑x < z y
4. ¬(x < y)
⊢ x < y
  by (((Unfold 'lt_int' 3)
CollapseTHEN (RWH (ReduceThenC (Auto_aux (first_nat 1:n
) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t) inil_term)) 3))-)
CollapseTHEN (
  (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))))
```

1:

```
3. ↑ff
4. ¬(x < y)
⊢ x < y
.
```