

Inference at * 1
of proof for Lemma assert_of_lt_int:

```

1.  $x : \mathbb{Z}$ 
2.  $y : \mathbb{Z}$ 
3.  $\uparrow x <_Z y$ 
 $\vdash x < y$ 
  by ((Decide  $x < y$ )
  CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n
  ),(first_nat 4:n)) (first_tok :t) inil_term))))
```

1:

```

  4.  $x < y$ 
 $\vdash x < y$ 
```

2:

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  4.  $\neg(x < y)$ 
 $\vdash x < y$ 
```

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