

Inference at * 1
of proof for Lemma decidable__equal_int_seg:

```

1. i : ℤ
2. j : ℤ
3. x : {i..j-}
4. y : {i..j-}
⊢ (x = y) ∨ (¬(x = y))
  by ((Decide x = y)
    CollapseTHEN (Auto_aux (first_nat 1:n) ((first_nat 1:n
      ),(first_nat 3:n)) (first_tok :t) inil_term)))

```

1:

```

5. x = y
⊢ (x = y) ∨ (¬(x = y))

```

2:

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5. ¬(x = y)
⊢ (x = y) ∨ (¬(x = y))

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