

Inference at *
of proof for Lemma decidable_int_equal:

```
⊢ ∀ i, j : ℤ. Dec(i = j)
  by (((RepD)
    CollapseTHENM (UnfoldTopAb 0))·)
    CollapseTHENA ((Auto_aux (first_nat
      1:n) ((first_nat 1:n), (first_nat 3:n)) (first_tok :t) inil_term)))·
```

1:

1. $i : \mathbb{Z}$
 2. $j : \mathbb{Z}$
- ⊢ $(i = j) \vee \neg(i = j)$
- .