

Inference at \* 1 1  
of proof for Lemma assert\_of\_eq\_bool:

```
1. p : ℤ
2. q : ℤ
⊢ (↑((p ∧b q) ∨b((¬bp) ∧b (¬bq)))) ⇔ (p = q)
  by ((((((OnHyps [2;1] BoolCases)
CollapseTHEN (AbReduce 0)).)
CollapseTHEN (
  RW assert_pushdownC 0)).)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
), (first_nat 3:n)) (first_tok :t) inil_term))))).
```

1:

```
1. ff = tt
⊢ False
```

2:

```
1. tt = ff
⊢ False
```

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