

Inference at * 1
of proof for Lemma eq_int_cases_test:

```
1. A : Type
2. x : A
3. y : A
4. P : A → ℙ
5. i : ℤ
6. j : ℤ
7. P(if (i =0 j) then x else y fi )
⊢ P(if (i =0 j) then x else y fi )
  by InteriorProof ((EqIntCases 7)
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat
      1:n),(first_nat 3:n)) (first_tok :t) inil_term))))·
```

1: ...truecase.... NILNIL

```
7. P(x)
8. i = j
⊢ P(if (i =0 j) then x else y fi )
2: ...falsecase.... NILNIL
```

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7. P(y)
8. i ≠ j
⊢ P(if (i =0 j) then x else y fi )
.
```