

Inference at * 1
of proof for Lemma absval_lbound:

```

1. i : ℤ
2. n : ℕ
⊢ (|i| > n) ⇔ ((i < (-n)) ∨ (i > n))
  by InteriorProof (((Unfold 'absval' 0)
    CollapseTHEN (SplitOnConclITE)).)

      CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat
3:n)) (first_tok :t) inil_term))).

1: .....truecase..... NILNIL

      3. 0 ≤ i
      ⊢ (i > n) ⇔ ((i < (-n)) ∨ (i > n))
2: .....falsecase..... NILNIL

      3. i < 0
      ⊢ ((-i) > n) ⇔ ((i < (-n)) ∨ (i > n))
.

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