

Inference at * 1 1 2
of proof for Lemma absval_eq:

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1.  $x : \mathbb{Z}$ 
2.  $y : \mathbb{Z}$ 
3.  $0 \leq x$ 
4.  $y < 0$ 
 $\vdash (x = (-y)) \iff x = \pm y$ 
  by ((((((Unfold 'pm_equal' 0)
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
      ),(first_nat 3:n)) (first_tok :t) inil_term))))).
    CollapseTHEN (Try (D (-1))))).

    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 2:n),(first_nat 3:n)) (first_tok :t
      ) inil_term))).
.

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