

Inference at * 1
of proof for Lemma minus_imax:

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1.  $a : \mathbb{Z}$ 
2.  $b : \mathbb{Z}$ 
 $\vdash (\text{if } a \leq_Z b \text{ then } b \text{ else } a \text{ fi}) = \text{if } (-a) \leq_Z -b \text{ then } -a \text{ else } -b \text{ fi}$ 
  by InteriorProof ((SplitOnConclITEs)
    CollapseTHEN ((Auto_aux (first_nat 1:n
      ) ((first_nat 2:n),(first_nat 3:n)) (first_tok SupInf:t) inil_term))))
.

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