

Inference at *
of proof for Lemma minus_imin:

$\vdash \forall a, b : \mathbb{Z}. (-\text{imin}(a;b)) = \text{imax}(-a;-b)$
by ((Unfolds “imax imin“ 0)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
), (first_nat 3:n)) (first_tok :t) inil_term)))).

1:

1. $a : \mathbb{Z}$
 2. $b : \mathbb{Z}$
- $\vdash (-\text{if } a \leq_{\mathbb{Z}} b \text{ then } a \text{ else } b \text{ fi}) = \text{if } (-a) \leq_{\mathbb{Z}} -b \text{ then } -b \text{ else } -a \text{ fi}$