Inference at $*$ 1
 of proof for Lemma neg_assert_of_eq_int:

1. $x : \mathbb{Z}$
2. $y : \mathbb{Z}$
$\vdash (\neg(\uparrow(x =_0 y))) \iff x \neq y$
 by InteriorProof ((RWH (LemmaC ‘assert_of_eq_int‘) 0)
 CollapseTHENA (
 (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok
 :t) inil_term)))·

 1:

 $\vdash (\neg(x = y)) \iff x \neq y$
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