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

1. $x : \mathbb{Z}$
2. $y : \mathbb{Z}$
$\vdash (\neg(x = y)) \iff x \neq y$
 by ((Unfold ‘nequal‘ 0)
 CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
 ),(first_nat 3:n)) (first_tok :t) inil_term)))·

 .