Inference at $*$
of proof for Lemma neg_assert_of_eq_int:

$\vdash \forall x, y{:}\mathbb{Z}.\ (\neg(\uparrow(x =_0 y))) \iff x \neq y$
by ((UnivCD)
THENW ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)))·

1:

1. $x : \mathbb{Z}$
2. $y : \mathbb{Z}$
$\vdash (\neg(\uparrow(x =_0 y))) \iff x \neq y$

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