Inference at $*$
of proof for Lemma neg_assert_of_eq_atom:

$\vdash \forall x, y$:Atom. $(\neg(\uparrow x =_{\text{a}} y)) \iff x \neq y \in \text{Atom}$
by InteriorProof ((((UnivCD)
CollapseTHENM (RWH(LemmaC 'assert_of_eq_atom') 0))·)

CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

1. x : Atom
2. y : Atom

$\vdash (\neg(x = y)) \iff x \neq y \in \text{Atom}$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_89032_{neg_assert_of_eq_atom}.html