Inference at $*$ 1 1 4 1
 of proof for Lemma decidable_atom_equal:

. . . . .subterm. T:t1:n

1. a : Atom
2. b : Atom
3. $\neg(a = b)$

$\vdash(\lambda x.x) \in (\neg(a = b))$
 by ((Unfold ‘not‘ 0)
 CollapseTHEN (MemCD))·

 1: . . . . .subterm. T:t1:n

  4. x : $a = b$
  $\vdash x \in$ False
 2: . . . . .eq aux. . . . . NILNIL

  $\vdash (a = b) \in$ Type
 .

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_102724_{decidable__atom_equal}1_1_4_1.html