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

. . . . .subterm. T:t4:n

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

$\vdash$ (inr $(\lambda x.x)$) $\in$ $((a = b) \vee (\neg(a = b)))$
by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)

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

$\vdash$ $(\lambda x.x) \in (\neg(a = b))$
.