

Inference at * 1 1 4

of proof for Lemma decidable_atom_equal:

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

1. $a : \text{Atom}$

2. $b : \text{Atom}$

3. $\neg(a = b)$

$\vdash (\text{inr } (\lambda x.x)) \in ((a = b) \vee (\neg(a = b)))$

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

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

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