

Inference at \* 1 1 3 2

of proof for Lemma decidable\_\_atom\_equal:

.....eq aux..... NILNIL

1.  $a : \text{Atom}$

2.  $b : \text{Atom}$

3.  $a = b$

$\vdash (\neg(a = b)) \in \text{Type}$

by (Auto\_aux (first\_nat 1:n) ((first\_nat 1:n),(first\_nat 3:n)) (first\_tok :t) inil.term)

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