

Inference at * 1
of proof for Lemma `decidable_atom_equal`:

1. $a : \text{Atom}$
2. $b : \text{Atom}$
 $\vdash (a = b) \vee (\neg(a = b))$
by UseWitness if $a=b$ then inl Ax else (inr $(\lambda x.x)$)

1:

$\vdash \text{if } a=b \text{ then inl Ax else (inr } (\lambda x.x) \text{)} \in ((a = b) \vee (\neg(a = b)))$

.