

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:

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

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