Inference at $*$
of proof for Lemma eq_atom_eq_true_elim_sqequal:

$\vdash \forall x, y$:Atom. $(x =$a $y \sim \text{tt}) \Rightarrow (x = y)$
by (RepeatFor 2 ((D 0)
THENW ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·)

1:

1. x : Atom
2. y : Atom

$\vdash (x =$a $y \sim \text{tt}) \Rightarrow (x = y)$

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