

Inference at * 1 0
of proof for Lemma eq_atom_eq_false_elim:

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1. x : Atom
2. y : Atom
3. x =a y = ff
⊢ ¬(x = y)
  by PERMUTE{1:n, 2:n, 3:n, 4:n, 2:n, 5:n, 3:n, 4:n, 6:n, 7:n, 8:n, 9:n, 10:n}

1: .....wf..... NILNIL

    ⊢ (x =a y = ff) ∈ P1
2: .....wf..... NILNIL

    ⊢ (↑(¬bx =a y)) ∈ P1
3: .....wf..... NILNIL

    ⊢ (¬(x = y)) ∈ P1
4: .....wf..... NILNIL

    ⊢ x =a y ∈ B
5: .....wf..... NILNIL

    ⊢ (¬(↑x =a y)) ∈ P1
6: .....wf..... NILNIL

    ⊢ (↑x =a y) ∈ P1
7: .....wf..... NILNIL

    ⊢ (x = y) ∈ P1
8: .....wf..... NILNIL

    ⊢ x ∈ Atom
9: .....wf..... NILNIL

    ⊢ y ∈ Atom
10:

    3. ¬(x = y)
    ⊢ ¬(x = y)
.

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