```
eq_atom_eq_false_elim  THM

⊢  ∀x,y:Atom. x=₂y∈Atom = false₂ ⇒ ¬x = y  by UnivCD
|
1. x : Atom
2. y : Atom
3. x=₂y∈Atom = false₂
⊢  ¬x = y  by RW bool_to_propC 3
END
```