```
assert_of_eq_atom  THM

⊢  ∀x,y:Atom. x=₂y∈Atom ⟺ x = y
| by Unfold ‘eq_atom‘ 0 THEN GenUnivCD
|
|\
| 1. x : Atom
| 2. y : Atom
| 3. if x=y∈Atom→true₂; false₂ fi
| ⊢  x = y  by Decide (x = y)
| |
| |\
| | 4. x = y
| | ⊢  x = y  by Trivial
| |
| .\
| . 4. ¬x = y
| . ⊢  x = y  by RWH (ReduceThenC Auto) 3
| . |
| . 3. false₂
| . 4. ¬x = y
| . ⊢  x = y  by RW assert_evalC 3
|
.\
. 1. x : Atom
. 2. y : Atom
. 3. x = y
. ⊢  if x=y∈Atom→true₂; false₂ fi  by RWH (ReduceThenC Trivial) 0
. |
. ⊢  true₂  by RW assert_evalC 0
END
```