```
eq_int_eq_false_intro  THM

⊢  ∀i,j:ℤ. ¬i = j ⇒ ((i=₂j) ∼ false₂)  by StrongAuto
|
1. i : ℤ
2. j : ℤ
3. ¬i = j
⊢  (i=₂j) = false₂  by RW bool_to_propC 0
END
```