```
eq_int_eq_false_elim  THM

⊢  ∀i,j:ℤ. (i=₂j) = false₂ ⇒ i ≠ j  by UnivCD
|
1. i : ℤ
2. j : ℤ
3. (i=₂j) = false₂
⊢  i ≠ j  by Decide (i = j)
|
4. i = j
⊢  i ≠ j
| by RWH
|    (LemmaC Thm* ∀i,j:ℤ. i = j ⇒ (i=₂j) = true₂    {eq_int_eq_true})
|    3
|
3. true₂ = false₂
4. i = j
⊢  i ≠ j
  by AssertLemma Thm* ¬true₂ = false₂    {btrue_neq_bfalse} []
     THEN
     Trivial
END
```