```
eq_int_eq_true_elim  THM

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