```
assert_of_eq_bool_iff_equal_bool  THM

⊢  ∀b1,b2:𝔹. b1=₂b2 ⟺ b1 = b2  by UnivCD
|
1. b1 : 𝔹
2. b2 : 𝔹
⊢  b1=₂b2 ⟺ b1 = b2
| by BoolInd -1 THEN BoolInd -1 THEN Unfold `eq_bool` 0 THEN BoolEval
|    THEN
|    Rewrite (HigherC assert_evalC) 0
|
|\
| 1. false₂ = true₂
| ⊢  False
| | by ApFunToHypEquands `z` if z→ 0 else 1 fi ℤ -1 THEN AbReduce -1
| |
| 2. 1 = 0
| ⊢  False  by Auto
|
.\
. 1. true₂ = false₂
. ⊢  False
. | by ApFunToHypEquands `z` if z→ 0 else 1 fi ℤ -1 THEN AbReduce -1
. |
. 2. 0 = 1
. ⊢  False  by Auto
END
```