```
not_assert_imp_eq_bfalse  THM

⊢  ∀b:𝔹. ¬b ⇒ b = false₂
| by Id THEN StrongAuto THEN Try (Complete (Unfold ‘label‘ 0))
|
1. b : 𝔹
2. ¬b
⊢  b = false₂
| by BoolInd 1 THEN StrongAuto THEN Try (Complete (Unfold ‘label‘ 0))
|
1. ¬true₂
⊢  true₂ = false₂
| by Unab [‘assert‘] THEN StrongAuto
|    THEN
|    Try (Complete (Unfold ‘label‘ 0))
|    THEN
|    Last Reduce
|    THEN
|    StrongAuto
|    THEN
|    Try (Complete (Unfold ‘label‘ 0))
|
1. ¬True
⊢  true₂ = false₂
  by Last Analyze THEN StrongAuto
     THEN
     Try (Complete (Unfold ‘label‘ 0))
END
```