```
bor_simp_3  THM

⊢  ∀b:𝔹. (true₂ ∨₂ b) = true₂
| by ((Analyze 0) THEN (BoolInd 1)) THEN Simp THEN StrongAuto
|
|\
| ⊢  (true₂ ∨₂ true₂) = true₂
|   by Unab [‘ifthenelse‘;‘bor‘;‘bnot‘;‘btrue‘;‘bfalse‘;‘band‘]
|      THEN
|      Reduce 0
|      THEN
|      StrongAuto
|      THEN
|      (Fold ‘btrue‘ 0 ORELSE Fold ‘bfalse‘ 0)
|      THEN
|      StrongAuto
|
.\
. ⊢  (true₂ ∨₂ false₂) = true₂
.   by Unab [‘ifthenelse‘;‘bor‘;‘bnot‘;‘btrue‘;‘bfalse‘;‘band‘]
.      THEN
.      Reduce 0
.      THEN
.      StrongAuto
.      THEN
.      (Fold ‘btrue‘ 0 ORELSE Fold ‘bfalse‘ 0)
.      THEN
.      StrongAuto
END
```