```
prop_to_bool_char  THM

⊢  ∀P:Prop. (↓bP) ⟺ P  by (Analyze 0) THEN (Unfold ‘prop_to_bool‘ 0)
|
1. P : Prop
⊢  InjCase(lem(P) ; true2; false2) ⟺ P
| by GenDC (lem(P)) THEN StrongAuto
|
1. P : Prop
2. P→Void
3. P
⊢  False  by Analyze 2 THEN StrongAuto
END
```