```
dec_imp_dec_sq  THM

⊢  Dec(P) ⇒ Dec(↓P)  by UnivCD
|
1. P : Prop
2. Dec(P)
⊢  Dec(↓P)  by SimilarTo Hyp:-1
|
|\
| 2. P
| ⊢  ↓P  by Analyze
|
.\
. 2. ¬P
. ⊢  ¬↓P  by Rewrite by Thm*  ¬↓P ⟺ ¬P    {not_sq_iff_sq}
END
```