```
sq_stable__and  THM

⊢  SqStable(P) ⇒ SqStable(Q) ⇒ SqStable(P & Q)
| by Unfold ‘sq_stable‘ 0
|
|\
| 1. P : Prop
| 2. Q : Prop
| 3. ↓P ⇒ P
| 4. ↓Q ⇒ Q
| 5. ↓(P & Q)
| ⊢  P  by HypBackchain
| |
| ⊢  ↓P  by BasicSquashHD 5 THEN UnhideSinceSquashedConcl
| |
| 5. P & Q
| ⊢  ↓P  by SquashCD
|
.\
. 1. P : Prop
. 2. Q : Prop
. 3. ↓P ⇒ P
. 4. ↓Q ⇒ Q
. 5. ↓(P & Q)
. ⊢  Q  by HypBackchain
. |
. ⊢  ↓Q  by BasicSquashHD 5 THEN UnhideSinceSquashedConcl
. |
. 5. P & Q
. ⊢  ↓Q  by SquashCD
END
```