```
or_functionality_wrt_iff  THM

⊢  (P1 ⟺ P2) ⇒ (Q1 ⟺ Q2) ⇒ (P1 ∨ Q1 ⟺ P2 ∨ Q2)  by GenUnivCD
|
|\
| 1. P1 : Prop
| 2. P2 : Prop
| 3. Q1 : Prop
| 4. Q2 : Prop
| 5. P1 ⟺ P2
| 6. Q1 ⟺ Q2
| 7. P1 ∨ Q1
| ⊢  P2 ∨ Q2
|   by (Analyze 7 THENL [Sel 1 (Analyze 0);Sel 2 (Analyze 0)])
|      THEN
|      HypBackchain
|
.\
. 1. P1 : Prop
. 2. P2 : Prop
. 3. Q1 : Prop
. 4. Q2 : Prop
. 5. P1 ⟺ P2
. 6. Q1 ⟺ Q2
. 7. P2 ∨ Q2
. ⊢  P1 ∨ Q1
.   by (Analyze 7 THENL [Sel 1 (Analyze 0);Sel 2 (Analyze 0)])
.      THEN
.      HypBackchain
END
```