```
implies_functionality_2  THM

⊢  ∀P1,P2,Q1,Q2:Prop.
   (P1 ⟺ P2) ⇒ (Q1 ⟺ Q2) ⇒ ((P1 ⇒ Q1) ⟺ (P2 ⇒ Q2))
  by Auto THEN Repeat ThinTrivial THEN Trivial
END
```