( p ∨ q ) ∧ ( ¬ p ∨ ¬ q ) ≡ (( p ∨ q ) ∧ ¬ p ) ∨ (( p ∨ q ) ∧ ¬ q )

≡ ( p ∧ ¬ p) ∨ (q ∧ ¬ p) ∨ (p ∧ ¬ q) ∨ (q ∧ ¬ q) ≡ F ∨ (q ∧ ¬ p) ∨ (p ∧ ¬ q) ∨ F

≡ (q ∧ ¬ p) ∨ (p ∧ ¬ q)

p ∧ ¬ p ≡ q ∧ ¬ q ≡ F (= )

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | p | q | p ∨ q | ¬ p ∨ ¬ q | ( p ∨ q ) ∧ ( ¬ p ∨ ¬ q ) |
| i1 | F | F | F | T | F |
| i2 | F | T | T | T | T |
| i3 | T | F | T | T | T |
| i4 | T | T | T | F | F |

Rez (p ∨ q, ¬ p ∨ ¬ q )≠

Rezp (p ∨ q, ¬ p ∨ ¬ q )= q ∨ ¬ q

**Rezl (l∨A, ¬ l∨B)= A∨B**

Rezq (p ∨ q, ¬ p ∨ ¬ q )= p ∨ ¬ p