**IZJAVE (IZJAVNI RAČUN)**

**Zanikanje izjave** (negacija-ni res A 🡪¬A)

**KONJUKCIJA**

**Izjava A ∧ B je pravilna, če in samo če sta A ∧ B pravilni.**

|  |  |  |
| --- | --- | --- |
| A | B | A∧B |
| p | p | p |
| p | n | n |
| n | p | n |
| n | n | n |

**DISJUNKCIJA**

**Izjava A ∨ B je pravilna, če je vsaj ena od izjav A,B pravilna.**

|  |  |  |
| --- | --- | --- |
| A | B | A∨B |
| p | p | p |
| p | n | p |
| n | p | p |
| n | n | n |

**IMPLIKACIJA**

**Implikacija A⇒B je nepravilna le takrat ko je A pravilna in B nepravilna**

|  |  |  |
| --- | --- | --- |
| A | B | A⇒B |
| p | p | p |
| p | n | n |
| n | p | p |
| n | n | p |

**EKVIVALENCA**

**A⇔B A, če in samo B; A, natanko takrat ko B**

|  |  |  |
| --- | --- | --- |
| A | B | A⇔B |
| p | p | p |
| p | n | n |
| n | p | n |
| n | n | p |

**Primeri:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A | B | A⇒B | ¬B | ¬A | ¬B ⇒ ¬A |
| p | p | p | n | n | p |
| p | n | n | p | n | n |
| n | p | p | n | p | n |
| n | n | p | p | p | p |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A | B | (A⇒B) ∧ (B⇒A) | | | A⇔B |
| p | p | p | p | p | p |
| p | n | n | n | p | n |
| n | p | p | n | n | n |
| n | n | p | p | p | p |