

POSTULATI BOOLOVE ALGEBRE

Zaprtoost:

$$\text{P1: } x \vee y \in X$$

$$\text{P1*}: x \cdot y \in X$$

Neutralni element:

$$\text{P2: } x \vee \quad = x$$

$$\text{P2*}: x \cdot \quad = x$$

Komutativnost:

$$\text{P3: } x \vee y = y \vee x$$

$$\text{P3*}: x \cdot y = y \cdot x$$

Distributivnost:

$$\text{P4: } x \vee (y \cdot z) =$$

$$\text{P4*}: \quad = (x \cdot y) \vee (x \cdot z) = x \cdot y \vee x \cdot z$$

Inverzni element:

$$\text{P5: } x \vee \bar{x} =$$

$$\text{P5*}: x \cdot \bar{x} =$$

Število elementov:

$$\text{P6: } x \neq y$$

LASTNOSTI BOOLOVE ALGEBRE

Idempotenca:

$$x \vee x \vee \dots \vee x = x$$

$$x \cdot x \dots \cdot x = x$$

Absorbpcija:

$$x \vee (x \cdot y) =$$

$$x \cdot (x \vee y) =$$

Asociativnost:

$$(x \vee y) \vee z = \quad =$$


$$= \quad = x \cdot y \cdot z$$


DeMorganovo pravilo:

$$\overline{x_1 \vee x_2 \dots \vee x_n} =$$

$$= \bar{x}_1 \vee \bar{x}_2 \vee \dots \vee \bar{x}_n$$

OSNOVNE PREKLOPNE FUNKCIJE

		Konjunkcija (IN, AND)																																																				
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