(3) Komutativnost:

$$A \cap B = B \cap A \qquad A \cup B = B \cup A$$
$$A + B = B + A$$

(4) Asociativnost:

$$(A \cap B) \cap C = A \cap (B \cap C)$$
$$(A \cup B) \cup C = A \cup (B \cup C)$$
$$(A + B) + C = A + (B + C)$$

(5) Absorpcija:

$$A \cap (A \cup B) = A \qquad A \cup (A \cap B) = A$$

(6) Distributivnost:

$$(A \cap B) \cup C = (A \cup C) \cap (B \cup C)$$
$$(A \cup B) \cap C = (A \cap C) \cup (B \cap C)$$
$$(A + B) \cap C = (A \cap C) + (B \cap C)$$

(7) de Morganova zakona:

$$(A \cup B)^c = A^c \cap B^c$$
$$(A \cap B)^c = A^c \cup B^c$$

(8) Kontrapozicija:

$$A \subseteq B \ \sim \ B^c \subseteq A^c$$

(9) *Prazna množica* $\emptyset$ in *univerzalna množice* S:

$$A \cup A^c = S \qquad A \cap A^c = \emptyset$$
$$A + A = \emptyset \qquad A + A^c = S$$

(10) Substitucija $\emptyset$ in S:

$$A \cap \emptyset = \emptyset \qquad A \cup \emptyset = A$$
$$A \cap S = A \qquad A \cup S = S$$

(11) Lastnosti vsebovanosti:

$$A \subseteq B \ \sim \ A \cup B = B \ \sim \ A \cap B = A \ \sim \ A \setminus B = \emptyset$$
Če je $A \subseteq B$, potem je $A \cup C \subseteq B \cup C$.
Če je $A \subseteq B$, potem je $A \cap C \subseteq B \cap C$.
$A \cap B \subseteq A, B \subseteq A \cup B$