

**Quyidagi tengliklarni isbotlang:**

1.  $A \setminus (A \setminus B) = A \cap B$

2.  $(A \setminus B) \cup (B \setminus A) = (A \cup B) \setminus (A \cap B)$

3.  $(A \setminus B) \setminus C = A \setminus (B \cup C)$

4.  $(A \setminus B) \cap C = (A \cap C) \setminus (B \cap C)$

5.  $\overline{A \setminus B} \cap (\overline{A} \cup \overline{B}) = \overline{A}$

6.  $A \setminus B = A \cap \overline{B}$

7.  $\overline{A \setminus B} = \overline{A} \cup B$

8.  $A \cap (\overline{A \setminus B}) = A \cap B$

9.  $(A \setminus B) \setminus C = (A \setminus C) \setminus (B \setminus C)$

10.  $A \setminus (B \setminus C) \subset A \cup C$

11.  $A \setminus C \subset (A \setminus B) \cup (B \setminus C)$

12.  $((A \cup B)' \cap (A' \cup B'))' = A \cup B$

13.  $A \subset B \subset C = A \cup B = B \cap C$

14.  $A \subset B \Rightarrow A \setminus C \subset B \setminus C$

15.  $A \subset B \Rightarrow A \cap C \subset B \cap C$

16.  $A \subset B \Rightarrow A \cup C \subset B \cup C$

17.  $B \subset A \wedge C = A \setminus B \Rightarrow A = B \cup C$

18.  $A \subset C \Rightarrow A \cup (B \cap C) = (A \cup B) \cap C$

19.  $A \setminus (B \cap C) = (A \setminus B) \cup (A \setminus C)$

20.  $(A \setminus B) \times C = (A \times C) \setminus (B \times C)$

21.  $A \times (B \setminus C) = (A \times B) \setminus (A \times C)$

22.  $(A \cup B) \times C = (A \times C) \cup (B \times C)$

23.  $A \times (B \cap C) = (A \times B) \cap (A \times C)$

24.  $(A \cap B) \times (C \cap D) = (A \times C) \cap (B \times D)$

25.  $A \subset B \Rightarrow A \times C \subset B \times C$

26.  $A \cup B \subset C \Rightarrow A \times B = (A \times B) \cap (C \times B)$

27.  $(A \times B) \cup (B \times A) = C \times C \Rightarrow A = B = C$

28.  $\overline{A \cup B} = \overline{A} \cap \overline{B}$

29.  $\overline{A \cap B} = \overline{A} \cup \overline{B}$

30.  $(A \cap B)' = A' \cap B'$