

สมบัติของการดำเนินการบนเซต

$$1. A \cup A = A$$

$$2. A \cap A = A$$

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

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

$$5. A \cup B = B \cup A$$

$$6. A \cap B = B \cap A$$

$$7. A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$$

$$8. A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$$

$$9. A \cup \emptyset = A$$

$$15. A \cup A' = U$$

$$10. A \cap \emptyset = \emptyset$$

$$16. A \cap A' = \emptyset$$

$$11. A \cup U = U$$

$$17. (A')' = A$$

$$12. A \cap U = A$$

$$18. U' = \emptyset$$

$$13. (A \cup B)' = A' \cap B'$$

$$19. \emptyset' = U$$

$$14. (A \cap B)' = A' \cup B'$$

$$20. A \cap B' = A - B = B' - A'$$

$$21. A - A' = A$$

$$22. (A - B)' = A' \cup B$$

$$23. (A \cup B) - C = (A - C) \cup (B - C)$$

$$24. (A \cap B) - C = (A - C) \cap (B - C)$$

$$25. A - (B \cup C) = (A - B) \cap (A - C)$$

$$26. A - (B \cap C) = (A - B) \cup (A - C)$$