Today, Oct. 23th, we have learned :

Chapter 1 Numerical expressions and basic calculations

1. Data expressed in Binary, Decimal , Octal, Hexadecimal systems, both integer and fraction number
2. How to convert a datum from decimal into binary , vice and versa.
3. Complements (complement expression) of data, consider both positive and negative data
4. Basic logic operations: **NOT, AND, OR, NAND, NOR**, **XOR** and their Graphical symbols
5. How to calculate mathematical **Addition\Subtraction** on two operands
6. How to express logical calculation with formulation or truth table

Be careful:

AND does not equal to *Arithmetic* Multiplication;

OR does not equal to *Arithmetic* Addition

Definition of exclusive OR:

$$A \ XOR \ B = \overline{A} \cdot B + A \cdot \overline{B}, \quad \text{or} \quad A \oplus B = \overline{A} \cdot B + A \cdot \overline{B}$$

Home works:

In the 5th Edition text book, go to page 34, please finish the following questions:
1.8~ 1.10; 1.13~ 1.14; 1.17; 1.35~1.36

1.8~ 1.10 mean questions : 1.8, 1.9, 1.10, and so on

Chapter 2 Boolean Algebra and Logic Gates

1. Review Textbook Section 2.4 Basic Theorems and Properties of Boolean Algebra
   Very important ! Table 2.1 Postulates and Theorems of Boolean Algebra(page 43)
2. Review Textbook Section 2.5 BOOLEAN FUNCTIONS

Home works:
In the 5th Edition text book, go to page 69~71, please finish the following questions:
P69: 2.2 e~f; 2.4 e; 2.7
P70: 2.18
P71: 2.28;