

# Chapter.12 Instruction Sets: Characteristics & Functions

CISC (Complex instruction set Computer)

RISC (Reduce instruction set Computer)

Instruction Types

- Data Processing
- Data Storage
- Control
- Data movement

Types of Operand

- Address
- Numbers
- Characters
- Logical data

SIMD (Single instruction, multiple data)

$$A = B \times C$$

[ ] [ ] [ ] [ ]

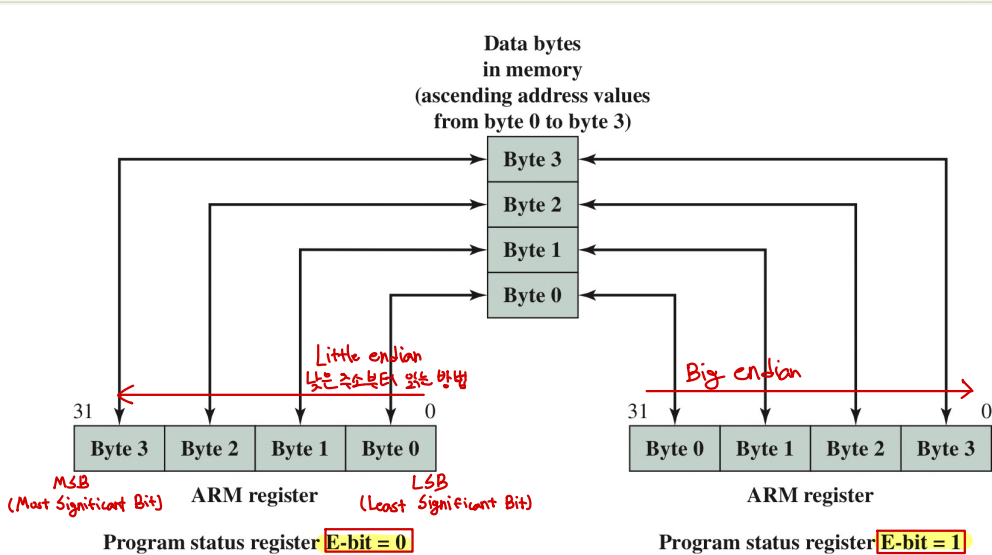


Figure 12.5 ARM Endian Support—Word Load/Store with E-Bit