

**1. Computer Number Systems**

Convert BED from hexadecimal to octal

**2. Computer Number Systems**Solve for  $X_{16}$ 

$$X_{16} = 24415_8 + 56712_8$$

**3. LISP**

Evaluate:

(ADD (SUB 4 5) (ADD 6 3) (MULT 4 8))

**4. Recursive Functions**Find  $f(7)$ 

$$f(x) = \begin{cases} f(x-2) + 2 & \text{if } x > 2 \\ x + 2 & \text{otherwise} \end{cases}$$

**5. Recursive Functions**Find  $f(17)$ 

$$f(x) = \begin{cases} x - f(x+1) & \text{if } x < 3 \\ 2x & \text{if } 3 \leq x < 5 \\ x + f(x-5) & \text{otherwise} \end{cases}$$