

CONVERSION Algorithm

EXAMPLES

① $(18)_{10}$ To Base 2

$$18 \div 2 = 9, R = 0$$

$$9 \div 2 = 4, R = 1$$

$$4 \div 2 = 2, R = 0$$

$$2 \div 2 = 1, R = 0$$

$$1 \div 1 = 1, R = 0$$

$$(10010)_2$$

② $(19)_{10}$ To Base 16

$$19 \div 16 = 1, R = 3$$

$$3 \div 1 = 3, R = 0$$

$$(13)_{16}$$

③ $(223)_{10}$ To Base 17

$$223 \div 17 = 13, R = 2$$

$$2 \div 1 = 2, R = 0$$

$$13 = D$$

$$(D2)_{17}$$