

$$8 - (604)_8$$

$$6 \times 8^2 = 64$$

$$6 \times 64 = 384$$

$$0 \times 8^1 = 8$$

$$0 \times 8 = 0$$

$$4 \times 8^0 = 1$$

$$4 \times 1 = 4$$

$$384 + 0 + 4 = 388_{10}$$

$$(604)_8 = (388)_{10}$$

$$9 - (3E7)_{16}$$

$$E = 14$$

$$(3E7)_{16} = 3 \times 16^2 + 14 \times 16^1 + 7 \times 16^0$$

$$3 \times 16^2 = 3 \times 256 = 768$$

$$14 \times 16^1 = 14 \times 16 = 224$$

$$7 \times 16^0 = 7 \times 1 = 7$$

$$768 + 224 + 7 = 999$$

$$(3E7)_{16} = (999)_{10}$$

$$10 - (109)_{10}$$

$$109 \div 2 = 54 \rightarrow 1$$

$$54 \div 2 = 27 \rightarrow 0$$

$$27 \div 2 = 13 \rightarrow 1$$

$$13 \div 2 = 6 \rightarrow 1$$

$$6 \div 2 = 3 \rightarrow 0$$

$$3 \div 2 = 1 \rightarrow 1$$

$$1 \div 2 = 0 \rightarrow 1$$

$$(109)_{10}$$

$$= (1101101)_2$$