

$$\begin{array}{rcl} 29 & = & 16 + 8 + 4 + 1 = (011101)_2 \\ 21 & = & 16 + 4 + 1 = (010101)_2 \\ \hline & & 50 \end{array}$$

01111
 011101
 010101 + $32 + 16 + 2 = 50$

$110010 \xrightarrow{+4} 100011$ $+1$ سر ریز داریم
 $011101 \xrightarrow{+2} 100011$ $+2$
 $010101 \xrightarrow{+2} 101011$ $+2$ قواعد منفی جمع این سه سه بیت
 001110 $+4$
 $+1$ سر ریز

$(1\underline{1001001})_{\text{Gray}} \Rightarrow (10001110)_{\text{BIN}} + 2$

$(11001001)_{BIN} \Rightarrow (10101101)_{Gray} + 2$ (C)

1 1 1 0 1 0 0 0 1 0 0 1 \Rightarrow 111010001001

1 2 3 4 5 6 7 8 9 10 11 12

+8

$$(473406.12234)_8 = \frac{7}{8}$$

$$= (\underline{100111011100000110} . \underline{001010010011100})_2$$

$$= (27706.2938)_{16}$$

مسألة

$$\begin{array}{cccccccc} \checkmark & \times & \checkmark & & \times & \checkmark & & \\ 0 & 1 & 0 & 1 & 0 & 1 & 1 & 0 & 0 & 1 & 1 & 1 \end{array} \Rightarrow 00110011 \quad (9)$$

$\overline{1} \quad \overline{2} \quad \overline{4} \quad \quad \overline{8} \quad \downarrow 0$

$(40) \rightarrow 10$

$$2 + 8 = 10$$

+8