

$$1) \quad 1010110_2 + 1101011_2 = 11000001_2$$

$$\begin{array}{r} 1010110_2 \\ + 1101011_2 \\ \hline 11000001_2 \end{array}$$

$$1110_2 + 101_2 = 10011_2$$

$$\begin{array}{r} 1110_2 \\ + 101_2 \\ \hline 10011_2 \end{array}$$

$$2) \quad 10101101_2 - 110101_2 = 1111000_2$$

$$\begin{array}{r} 10101101_2 \\ - 110101_2 \\ \hline 1111000_2 \end{array}$$

$$1110_2 - 101_2 = 1001_2$$

$$\begin{array}{r} 1110_2 \\ - 101_2 \\ \hline 1001_2 \end{array}$$

$$3) \quad 0,5_{10} = 0,1_2 \quad 0,14_{10} = 0,00100011..._2$$

$$\begin{array}{r|l} \times 0,5 & 5 \\ \hline & 2 \\ \hline 1 & 0 \end{array}$$

$$\begin{array}{r|l} 0, & 14 \\ \hline 0 & 28 \\ 0 & 56 \\ 1 & 12 \\ 0 & 24 \\ 0 & 48 \\ 0 & 96 \\ 1 & 92 \\ 1 & 84 \\ 1 & 68 \end{array}$$