

1.6.19

a) $10010_2 \times 11_2$

$$\begin{array}{r} 10010 \\ \times 11 \\ \hline 10010 \\ + 10010 \\ \hline 110110 \end{array}$$

b) $101010_2 \times 10_2$

$$\begin{array}{r} 101010 \\ \times 10 \\ \hline 000000 \\ + 101010 \\ \hline 1010100 \end{array}$$

c) $10010_2 \times 101_2$

$$\begin{array}{r} 10010 \\ \times 101 \\ \hline 10010 \\ 00000 \\ + 10010 \\ \hline 1011010 \end{array}$$

d) $1110_2 \times 10_2$

$$\begin{array}{r} 1110 \\ \times 10 \\ \hline 0000 \\ + 1110 \\ \hline 11100 \end{array}$$

1.6.20

+125 = 01111101

-100 = 11100100

125 = 1111101

100 = 1100100

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