



$$\begin{array}{r}
 2.7 \quad a) \quad \begin{array}{ccccccc}
 & 1 & 1 & 0 & 0 & 1 & 0 & 0 \\
 + & 1 & 1 & 0 & 0 & 1 & 1 \\
 \hline
 & 0 & 1 & 1 & 0 & 1 & 0 \\
 \hline
 1 & 0 & 0 & 1 & 1 & 0 & 1
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 c) \quad \begin{array}{cccccccc}
 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 0 \\
 + & 1 & 1 & 1 & 0 & 0 & 0 & 1 & 1 \\
 \hline
 & 0 & 1 & 0 & 1 & 1 & 1 & 0 & 1 \\
 \hline
 1 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 2.9 \quad \begin{array}{cccc}
 & 1 & 7 & 7 & 6 \\
 + & 1 & 4 & 3 & 2 \\
 \hline
 3 & 4 & 3 & 0
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \begin{array}{ccccccc}
 & 1 & 1 & 1 & 1 & 1 \\
 + & 2 & 5 & 2 & 7 & 5 & 7 \\
 \hline
 & 4 & 6 & 5 & 5 & 2 & 1 \\
 \hline
 7 & 4 & 0 & 5 & 0 & 0
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 2.10 \quad \begin{array}{cccc}
 & 0 & 0 & 0 \\
 + & 1 & 7 & 7 & 6 \\
 \hline
 & 1 & 4 & 3 & 2 \\
 \hline
 2 & 8 & A & 8
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \begin{array}{cccc}
 & 0 & 1 & 1 \\
 + & F & 3 & 5 & B \\
 \hline
 & 2 & 7 & E & 6 \\
 \hline
 1 & 1 & B & 4 & 1
 \end{array}
 \end{array}$$

$\begin{array}{l}
 10 \quad A \\
 11 \quad B \\
 12 \quad C \\
 13 \quad D \\
 14 \quad E \\
 15 \quad F
 \end{array}$

4.6 a)