

TEJ4M - BINARY Subtraction

1.) Subtract the following binary numbers. (show your work)

$$\begin{array}{r} 01011_2 \\ - 111_2 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 010001_2 \\ - 1101_2 \\ \hline 0100 \end{array}$$

$$\begin{array}{r} 1111_2 \\ - 101_2 \\ \hline 1010 \end{array}$$

$$\begin{array}{r} 01010_2 \\ - 110_2 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 11100_2 \\ - 1011_2 \\ \hline 00101 \end{array}$$

$$\begin{array}{r} 100011_2 \\ - 11110_2 \\ \hline 00101 \end{array} \quad \begin{array}{r} 35 \\ - 32 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 101011_2 \leftarrow 43 \\ - 101100_2 \leftarrow 44 \\ \hline 101101 \\ - 101011 \\ \hline 00001 \end{array}$$

$$\begin{array}{r} 111_2 \\ - 111_2 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 11011_2 \\ - 10110_2 \\ \hline 101 \end{array}$$

$$\begin{array}{r} 101_2 \leftarrow 5 \\ - 11_2 \leftarrow 5 \\ \hline 110 \\ - 101 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 1111_2 \\ - 1001_2 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 1001_2 \leftarrow 9 \\ - 101_2 \leftarrow 5 \\ \hline 100 \end{array}$$