

Binary Arithmetic

Binary Addition:

Add these binary numbers:

1	01	10	11	11	100
<u>1</u>	<u>10</u>	<u>10</u>	<u>01</u>	<u>11</u>	<u>101</u>

1001	1100	1000	10101
<u>0111</u>	<u>0101</u>	<u>0011</u>	<u>01111</u>

Binary Subtraction :

Subtract these binary numbers

$$\begin{array}{r} 1 \\ -\underline{1} \end{array} \quad \begin{array}{r} 11 \\ -\underline{01} \end{array} \quad \begin{array}{r} 10 \\ -\underline{01} \end{array} \quad \begin{array}{r} 11 \\ -\underline{10} \end{array} \quad \begin{array}{r} 11 \\ -\underline{11} \end{array} \quad \begin{array}{r} 110 \\ -\underline{101} \end{array}$$

$$\begin{array}{r} 1001 \\ -\underline{0111} \end{array} \quad \begin{array}{r} 1100 \\ -\underline{0101} \end{array} \quad \begin{array}{r} 1000 \\ -\underline{0011} \end{array} \quad \begin{array}{r} 10101 \\ -\underline{01111} \end{array}$$