

# CENTEC

INSTITUTO CENTRO DE ENSINO TECNOLÓGICO

Apresentação da disciplina  
Eletrônica Digital  
Tecnologia em Manutenção Industrial

$0+0$	0
$0+1$	1
$1+0$	1
$1+1$	0; Vai 1

$$\begin{array}{r} \phantom{+} \phantom{+} \\ \phantom{+} \phantom{+} 1 \ 1 \ 1 \ 0 \ 0 \\ + 1 \ 1 \ 0 \ 1 \ 0 \\ \hline 1 \ 1 \ 0 \ 1 \ 1 \ 0 \end{array}$$

1.  $11001 + 1011$

2.  $1111 + 1001$

3.  $11100 + 1010$

4.  $11,011 + 10,11$

0-0	0
0-1	<b>1</b> ; Empréstimo de 1
1-0	1
1-1	0

$$\begin{array}{r} 11\overset{-1}{1}00 \\ - 11010 \\ \hline 00010 \end{array}$$

1.  $11001 - 1011$

2.  $1111 - 1001$

3.  $11100 - 1010$

4.  $11,011 - 10,11$

$0*0$	0
$0*1$	0
$1*0$	0
$1*1$	1



$$\begin{array}{r} 11100 \\ \times 110 \\ \hline 00000 \\ \phantom{0}^{+1}11100 \\ \phantom{00}^{+1}11100 \\ \phantom{000}^{+1}+11100 \\ \hline 10101000 \end{array}$$

1.  $11001 * 1011$

2.  $1111 * 1001$

3.  $11100 * 1010$

4.  $11,011 * 10,11$

$$\begin{array}{r} 11,011 \\ \times 10,11 \\ \hline \end{array}$$

$$\begin{array}{r} 11011 \\ \times 1011 \\ \hline \begin{array}{r} \phantom{+1} \phantom{+1} \phantom{+1} \phantom{+1} \\ \phantom{+1} \phantom{+1} \phantom{+1} 11011 \\ \phantom{+1} \phantom{+1} 11011 \\ \phantom{+1} 00000 \\ +1 \phantom{+1} 11011 \\ \hline 100101001 \end{array} \end{array}$$

$$\begin{array}{r}
 11,011 \\
 \times 10,11 \\
 \hline
 \begin{array}{r}
 \phantom{+1} \phantom{+1} \phantom{+1} \\
 \phantom{+1} \phantom{+1} 11011 \\
 \phantom{+1} \phantom{+1} \\
 \phantom{+1} 11011 \\
 \phantom{+1} \\
 \phantom{+1} 00000 \\
 \phantom{+1} \\
 \phantom{+1} \phantom{+1} \\
 + 11011 \\
 \hline
 1001,01001
 \end{array}
 \end{array}$$