### Mapas de Karnaugh

Q0+

	$\overline{X_1X_2}$	$\overline{X_1}X_2$	$X_1X_2$	$X_1\overline{X_2}$
$\overline{Q_{0+}Q_{1+}Q_{2+}}$	0	0	0	0
$\overline{Q_{0+}Q_{1+}}Q_{2+}$	0	0	0	0
$\overline{\overline{Q}_{0+}}Q_{1+}Q_{2+}$	0	1	0	0
$\overline{\overline{Q}_{0+}}Q_{1+}\overline{Q}_{2+}$	0	0	0	0

	$\overline{X_1X_2}$	$\overline{X_1}X_2$	$X_1X_2$	$X_1\overline{X_2}$
$\boxed{Q_{0+}\overline{Q_{1+}Q_{2+}}}$	1	0	0	1
$Q_0 \overline{Q_{1+}} Q_{2+}$	1	1	1	1
$Q_{0+}Q_{1+}Q_{2+}$	X	X	X	X
$\boxed{Q_{0+}Q_{1+}\overline{Q_{2+}}}$	X	X	X	X

### Q0+ Equação:

$$y = Q_0 X_2' + Q_0 Q_2 + Q_1 Q_2 X_1' X_2$$

	$\overline{X_1X_2}$	$\overline{X_1}X_2$	$X_1X_2$	$X_1\overline{X_2}$
$\boxed{Q_{0+}Q_{1+}Q_{2+}}$	0	0	0	0
$\overline{Q_{0+}Q_{1+}}Q_{2+}$	0	0	1	0
$\overline{Q_{0+}}Q_{1+}Q_{2+}$	1	0	1	0
$\overline{Q_{0+}}Q_{1+}\overline{Q_{2+}}$	1	1	0	0

	$\overline{X_1X_2}$	$\overline{X_1}X_2$	$X_1X_2$	$X_1\overline{X_2}$
$\boxed{Q_{0+}\overline{Q_{1+}Q_{2+}}}$	0	0	1	0
$Q_0 \overline{Q_{1+}} Q_{2+}$	0	0	0	0
$Q_{0+}Q_{1+}Q_{2+}$	X	X	X	X
$Q_{0+}Q_{1+}\overline{Q_{2+}}$	X	X	X	X

## Q1+ Equação:

$$y = Q_{1}Q_{2}'X_{1}' + Q_{1}X_{1}'X_{2}' + Q_{0}'Q_{2}X_{1}X_{2} + Q_{0}Q_{2}'X_{1}X_{2}$$

	$\overline{X_1X_2}$	$\overline{X_1}X_2$	$X_1X_2$	$X_1\overline{X_2}$
$\boxed{\overline{Q_{0+}Q_{1+}Q_{2+}}}$	0	1	0	0
$\overline{Q_{0+}Q_{1+}}Q_{2+}$	1	1	0	0
$\overline{Q_{0+}}Q_{1+}Q_{2+}$	1	0	0	0
$\overline{\overline{Q}_{0+}}Q_{1+}\overline{Q}_{2+}$	0	1	0	0

	$\overline{X_1X_2}$	$\overline{X_1}X_2$	$X_1X_2$	$X_1\overline{X_2}$
$\boxed{Q_{0+}\overline{Q_{1+}Q_{2+}}}$	0	1	0	1
$Q_0 \overline{Q_{1+}} Q_{2+}$	1	1	1	1
$Q_{0+}Q_{1+}Q_{2+}$	X	X	X	X
$Q_{0+}Q_{1+}\overline{Q_{2+}}$	X	X	X	X

## Q2+ Equação:

$$y = Q_0 Q_2 + Q_1' X_1' X_2 + Q_2' X_1' X_2 + Q_2 X_1' X_2' + Q_0 X_1 X_2'$$

# OUTPUT (Y)

	$\overline{X_1X_2}$	$\overline{X_1}X_2$	$X_1X_2$	$X_1\overline{X_2}$
$\boxed{Q_{0+}Q_{1+}Q_{2+}}$	0	0	0	0
$\overline{Q_{0+}Q_{1+}}Q_{2+}$	0	0	0	0
$\overline{Q_{0+}}Q_{1+}Q_{2+}$	0	0	0	0
$\overline{\overline{Q}_{0+}}Q_{1+}\overline{Q}_{2+}$	0	0	0	0

	$\overline{X_1X_2}$	$\overline{X_1}X_2$	$X_1X_2$	$X_1\overline{X_2}$
$\boxed{Q_{0+}\overline{Q_{1+}Q_{2+}}}$	0	0	0	1
$Q_0 \overline{Q_{1+}} Q_{2+}$	1	1	1	1
$Q_{0+}Q_{1+}Q_{2+}$	X	X	X	X
$Q_{0+}Q_{1+}\overline{Q_{2+}}$	X	X	X	X

OUTPUT Equação: 
$$y = Q_0 Q_2 + Q_0 X_1 X_2'$$