Aluno: RUAN PABLO VITKOSKI DE SOUZA

Q3	Q2	Q1	Q0	PQ3	PQ2	PQ1	PQ0	JQ3	KQ3	JQ2	KQ2	JQ1	KQ1	JQ0	KQ0
0	0	0	0	0	0	0	1	0	X	0	X	0	X	1	X
0	0	0	1	0	0	1	1	0	X	0	X	1	X	X	0
0	0	1	0	0	1	1	0	0	X	1	X	X	0	0	X
0	0	1	1	0	0	1	0	0	X	0	X	X	0	X	1
0	1	0	0	1	1	0	0	1	X	X	0	0	X	0	X
0	1	0	1	0	1	0	0	0	X	X	0	0	X	X	1
0	1	1	0	0	1	1	1	0	X	X	0	X	0	1	X
0	1	1	1	0	1	0	1	0	X	X	0	X	1	X	0
1	0	0	0	0	0	0	0	X	1	0	X	0	X	0	X
1	0	0	1	1	0	0	0	X	0	0	X	0	X	X	1
1	0	1	0	1	0	1	1	X	0	0	X	X	0	1	X
1	0	1	1	1	0	0	1	X	0	0	X	X	1	X	0
1	1	0	0	1	1	0	1	X	0	X	0	0	X	1	X
1	1	0	1	1	1	1	1	X	0	X	0	1	X	X	0
1	1	1	0	1	0	1	0	X	0	X	1	X	0	0	X
1	1	1	1	1	1	1	0	X	0	X	0	X	0	X	1

- 1 0 Collapse Duplicated Rows Show All Rows

16 of 16 rows shown

Q0	Q1	Q2	Q3	SQ3	SQ2	SQ1	SQ0	JQ3	KQ3	JQ2	KQ2	JQ1	KQ1	JQ0	KQ0
0	0	0	0	0	0	0	1	0	-	0	-	0	-	1	-
0	0	0	1	0	0	1	1	0	-	0	-	1	-	-	0
0	0	1	0	0	1	1	0	0	-	1	-	-	0	0	-
0	0	1	1	0	0	1	0	0	-	0	-	-	0	-	1
0	1	0	0	1	1	0	0	1	-	-	0	0	-	0	-
0	1	0	1	0	1	0	0	0	-	-	0	0	-	-	1
0	1	1	0	0	1	1	1	0	-	-	0	-	0	1	-
0	1	1	1	0	1	0	1	0	-	-	0	-	1	-	0
1	0	0	0	0	0	0	0	-	1	0	-	0	-	0	-
1	0	0	1	1	0	0	0	-	0	0	-	0	-	-	1
1	0	1	0	1	0	1	1	-	0	0	-	-	0	1	-
1	0	1	1	1	0	0	1	-	0	0	-	-	1	-	0
1	1	0	0	1	1	0	1	-	0	-	0	0	-	1	-
1	1	0	1	1	1	1	1	-	0	-	0	1	-	-	0
1	1	1	0	1	0	1	0	-	0	-	1	-	0	0	-
1	1	1	1	1	1	1	0	-	0	-	0	-	0	-	1

Output: JQ3 ▼

Format: Sum of products ▼

Style: Numbered ▼

Notation: Mathematical ▼

Q2, Q3

Q0, Q1

	00	01	11	10
00	0	0	0	0
01	1	0	0	0
11	-	-	-	-
10	-	-	-	-

No group selected.

$$Q1 \cdot \overline{Q2} \cdot \overline{Q3}$$

Set As Expression

jQ3 = Q1 . ~Q2 . ~Q3

Output: KQ3 ▾

Format: Sum of products ▾

Style: Numbered ▾

Notation: Mathematical ▾

Q1, Q0

Q3, Q2

	00	01	11	10
00	-	-	-	-
01	-	-	-	-
11	0	0	0	0
10	1	0	0	0

No group selected.

$$\overline{Q2} \cdot \overline{Q1} \cdot \overline{Q0}$$

Set As Expression

KQ3 = ~Q2 . ~Q1 . ~Q0

Output: JQ2 ▼

Format: Sum of products ▼

Style: Numbered ▼

Notation: Mathematical ▼

Q1, Q0

Q3, Q2

	00	01	11	10
00	0	0	0	1
01	-	-	-	-
11	-	-	-	-
10	0	0	0	0

No group selected.

$$\overline{Q3} \cdot Q1 \cdot \overline{Q0}$$

Set As Expression

jQ2 = ~Q3 . Q1 . ~Q0

Q1, Q0

Q3, Q2

	00	01	11	10
00	-	-	-	-
01	0	0	0	0
11	0	0	0	1
10	-	-	-	-

No group selected.

$$Q3 \cdot Q1 \cdot \overline{Q0}$$

Set As Expression

KQ2 = Q3 · Q1 · ~Q0

Output: JQ1 ▼

Format: Sum of products ▼

Style: Numbered ▼

Notation: Mathematical ▼

Q1, Q0

Q3, Q2

	00	01	11	10
00	0	1	-	-
01	0	0	-	-
11	0	1	-	-
10	0	0	-	-

No group selected.

$$\overline{Q3} \cdot \overline{Q2} \cdot Q0 + Q3 \cdot Q2 \cdot Q0$$

Set As Expression

jQ1 = ~Q3 · ~Q2 · Q0 + Q3 · Q2 · Q0

Q1, Q0

Q3, Q2

	00	01	11	10
00	-	-	0	0
01	-	-	1	0
11	-	-	0	0
10	-	-	1	0

No group selected.

$$\overline{Q3} \cdot Q2 \cdot Q0 + Q3 \cdot \overline{Q2} \cdot Q0$$

Set As Expression

$KQ1 = \sim Q3 \cdot Q2 \cdot Q0 + Q3 \cdot \sim Q2 \cdot Q0$

Q1, Q0

Q3, Q2

	00	01	11	10
00	1	-	-	0
01	0	-	-	1
11	1	-	-	0
10	0	-	-	1

No group selected.

$$\overline{Q3} \cdot \overline{Q2} \cdot \overline{Q1} + \overline{Q3} \cdot Q2 \cdot Q1 + Q3 \cdot \overline{Q2} \cdot Q1 + Q3 \cdot Q2 \cdot \overline{Q1}$$

Set As Expression

JQ0 = ~Q3·~Q2·~Q1+~Q3·Q2·Q1+Q3·~Q2·Q1+Q3·Q2·~Q1

Output: KQ0 ▼

Format: Sum of products ▼

Style: Numbered ▼

Notation: Mathematical ▼

Q1, Q0

Q3, Q2

	00	01	11	10
00	-	0	1	-
01	-	1	0	-
11	-	0	1	-
10	-	1	0	-

No group selected.

$\overline{Q3} \cdot \overline{Q2} \cdot Q1 + \overline{Q3} \cdot Q2 \cdot \overline{Q1} + Q3 \cdot \overline{Q2} \cdot \overline{Q1} + Q3 \cdot Q2 \cdot Q1$

Set As Expression

KQ0 = ~Q3·~Q2·Q1+~Q3·Q2·~Q1+Q3·~Q2·~Q1+Q3·Q2·Q1