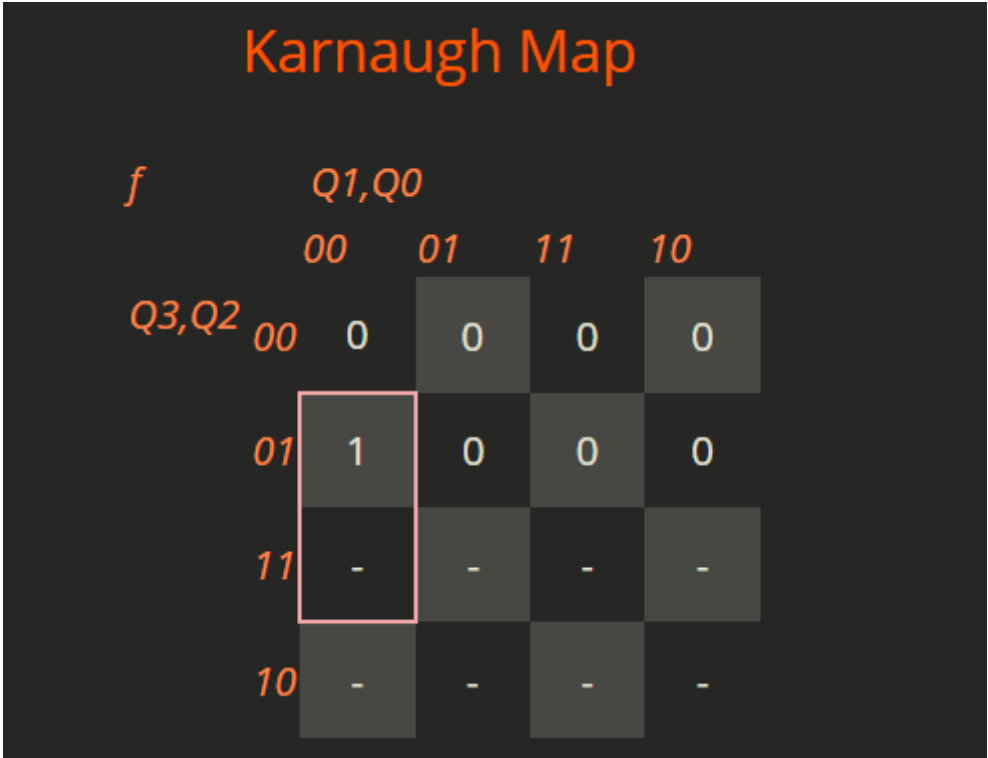


TABELA VERDADE:

ESTADO ATUAL				PROXIMO ESTADO				ENTRADAS FLIP FLOP							
Q3	Q2	Q1	Q0	Q3+	Q2+	Q1+	Q0+	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

MAPAS DE KARNAUGH:

JQ3:



EXPRESSÃO: $Q2.Q1'.Q0'$

KQ3:

Karnaugh Map

f	$Q3, Q2$	$Q1, Q0$			
		00	01	11	10
00	-	-	-	-	
01	-	-	-	-	
11	0	0	0	0	
10	1	0	0	0	

EXPRESSÃO: $Q2'.Q1'.Q0'$

JQ2:

Karnaugh Map

f	$Q1, Q0$			
	00	01	11	10
$Q3, Q2$ 00	0	0	0	1
01	-	-	-	-
11	-	-	-	-
10	0	0	0	0

EXPRESSÃO: $Q3'.Q1.Q0'$

KQ2:

Karnaugh Map					
f	$Q1, Q0$				$Q3, Q2$
	00	01	11	10	
00	-	-	-	-	
01	0	0	0	0	
11	0	0	0	1	
10	-	-	-	-	

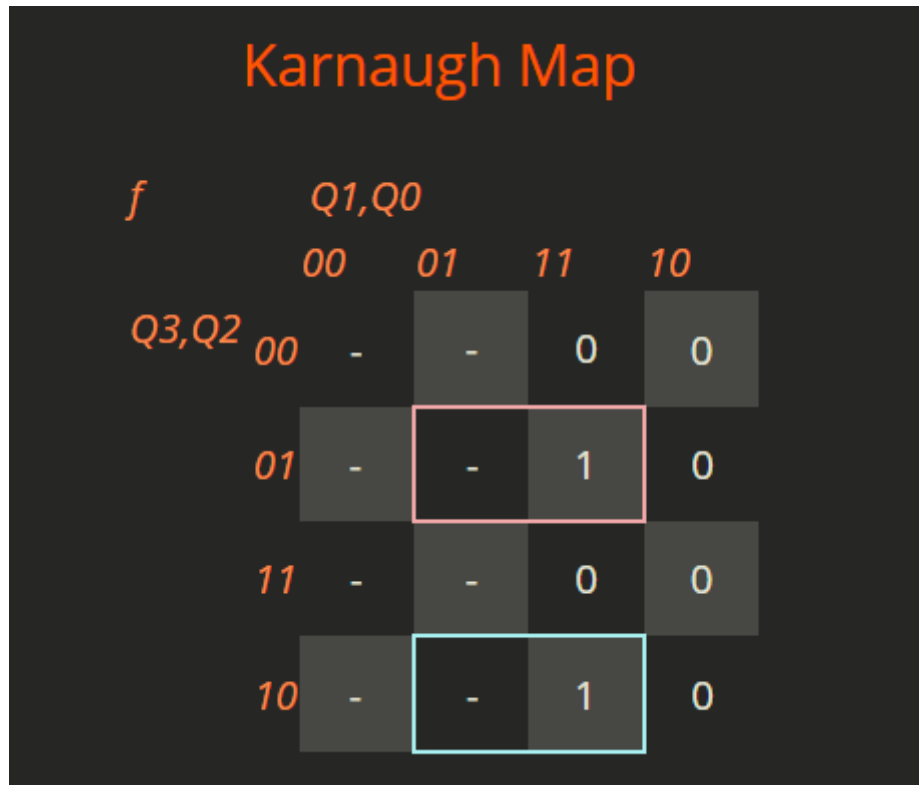
EXPRESSÃO: $Q3.Q1.Q0'$

JQ1:

Karnaugh Map					
f	$Q1, Q0$				$Q3, Q2$
	00	01	11	10	
00	0	1	-	-	
01	0	0	-	-	
11	0	1	-	-	
10	0	0	-	-	

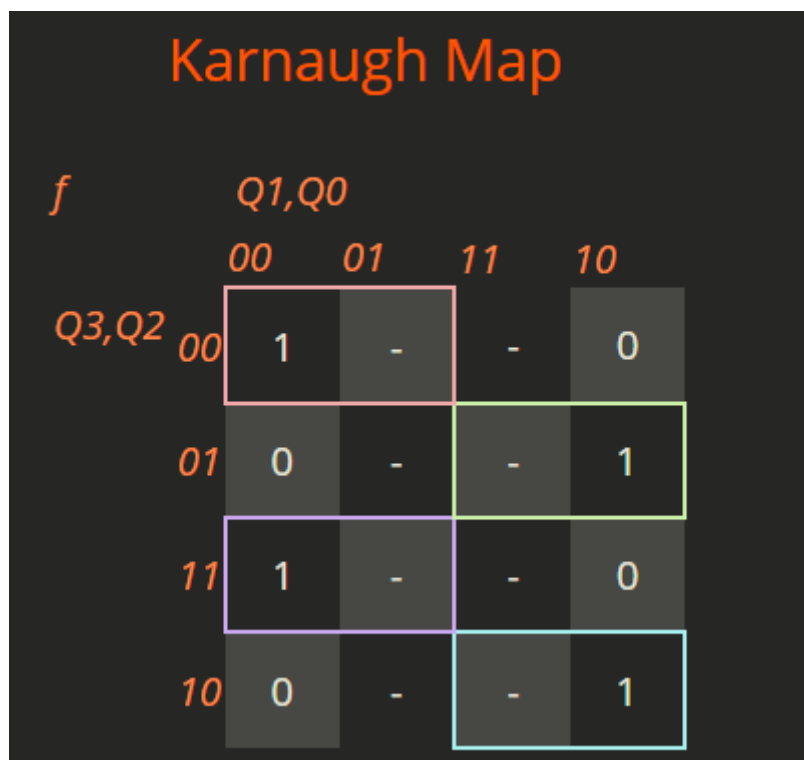
EXPRESSÃO: $Q3'.Q2'.Q0 + Q3.Q2.Q0$

KQ1:



EXPRESSÃO: $Q3'Q2Q0 + Q3Q2'Q0$

JQ0:



EXPRESSÃO: $Q3'.Q2'.Q1' + Q3'.Q2.Q1 + Q3.Q2'.Q1 + Q3.Q2.Q1'$

KQ0:

Karnaugh Map

f		$Q1, Q0$			
		00	01	11	10
$Q3, Q2$	00	-	0	1	-
	01	-	1	0	-
	11	-	0	1	-
	10	-	1	0	-

EXPRESSÃO: $Q3'.Q2'.Q1 + Q3'.Q2.Q1' + Q3.Q2'.Q1' + Q3.Q2.Q1$