ESTADOS

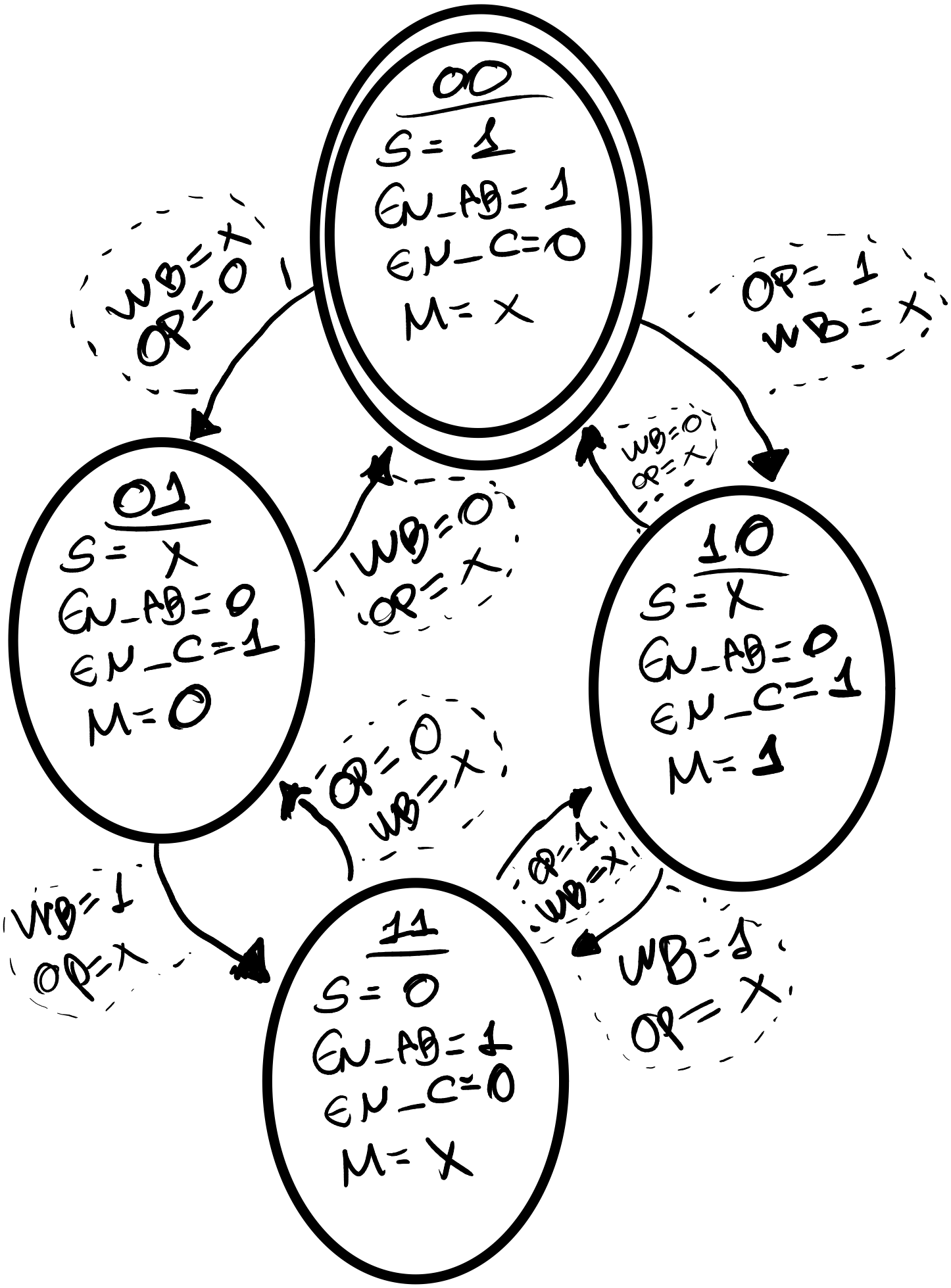
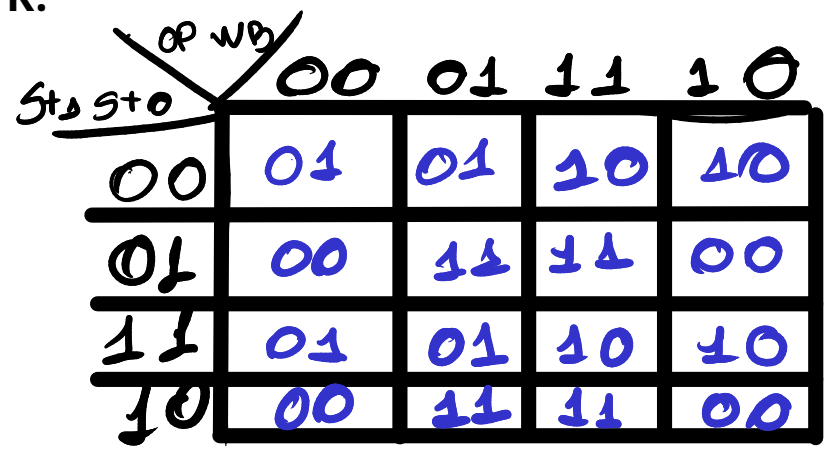

00
S = 1
EN_AB = 1
EN_C = 0
M = X
WB = X
OP = 0
OP = 1
WB = X
01
S = X
EN_AB = 0
EN_C = 1
M = 0
WB = 0
OP = X
WB = 0
OP = X
10
S = X
EN_AB = 0
EN_C = 1
M = 1
OP = 0
WB = X
OP = 1
WB = X
WB = 1
OP = X
11
S = 0
EN_AB = 1
EN_C = 0
M = X
WB = 1
OP = X

TABELA VERDADE

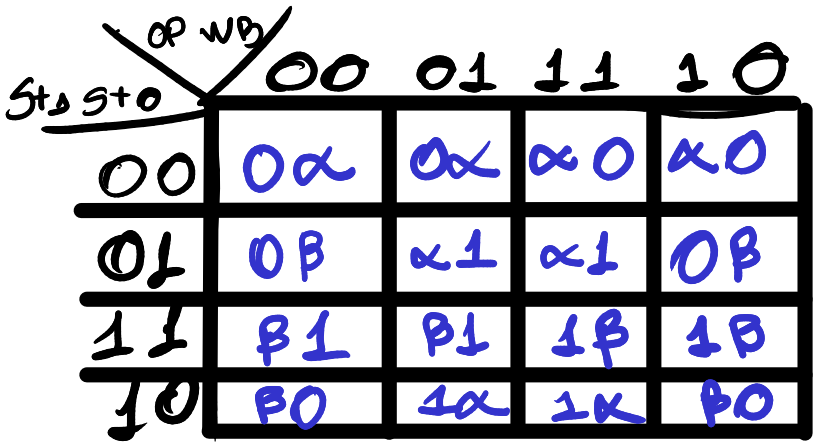
Estado Atual		ENT_FSM 1	ENT_FSM 2	Próximo Estado	
ST1	ST0	OP_SEL	WB	ST1	ST2
0	0	0	0	0	1
0	0	0	1	0	1
0	0	1	0	1	0
0	0	1	1	1	0
0	1	0	0	0	0
0	1	0	1	1	1
0	1	1	0	0	0
0	1	1	1	1	1
1	0	0	0	0	0
1	0	0	1	1	1
1	0	1	0	0	0
1	0	1	1	1	1
1	1	0	0	0	1
1	1	0	1	0	1
1	1	1	0	1	0
1	1	1	1	1	0

Estado Atual		ENT_FSM 1	ENT_FSM 2	Próximo Estado	
ST1	ST0	S	EN_AB	EN_C	M
0	0	1	1	0	X
0	1	X	0	1	0
1	0	X	0	1	1
1	1	0	1	0	X

MAPA DE K.

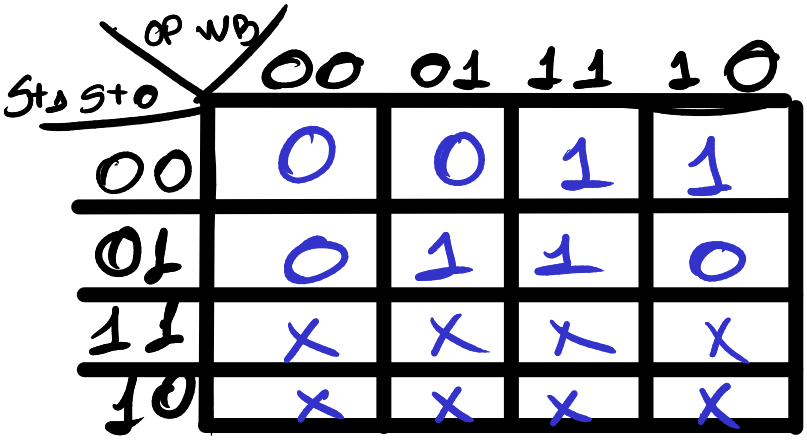


St1 St0 \ OP WB	00	01	11	10
00	01	01	10	10
01	00	11	11	00
11	01	01	10	10
10	00	11	11	00



St1 St0 \ OP WB	00	01	11	10
00	0α	0α	α0	α0
01	0β	α1	α1	0β
11	β1	β1	1β	1β
10	β0	1α	1α	β0

$$St1(J) = \overline{St0}.OP + St0.WB$$



St1 St0 \ OP WB	00	01	11	10
00	0	0	1	1
01	0	1	1	0
11	X	X	X	X
10	X	X	X	X

$$St1\,(K) = St0 \cdot \overline{OP} + \overline{St0} \cdot \overline{WB}$$

St1 St0 \ OP WB	00	01	11	10
00	X	X	X	X
01	X	X	X	X
11	1	1	0	0
10	1	0	0	1

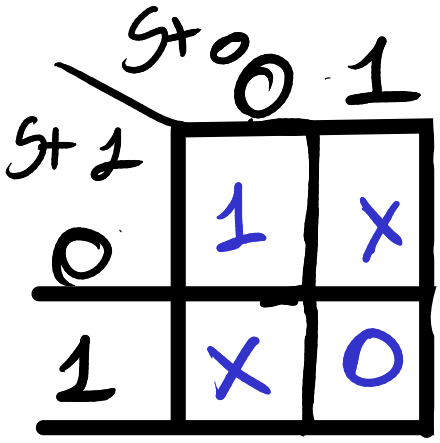
$$St0\,(J) = St1 \cdot WB + \overline{St1} \cdot \overline{OP}$$

St1 St0 \ OP WB	00	01	11	10
00	1	1	0	0
01	X	X	X	X
11	X	X	X	X
10	0	1	1	0

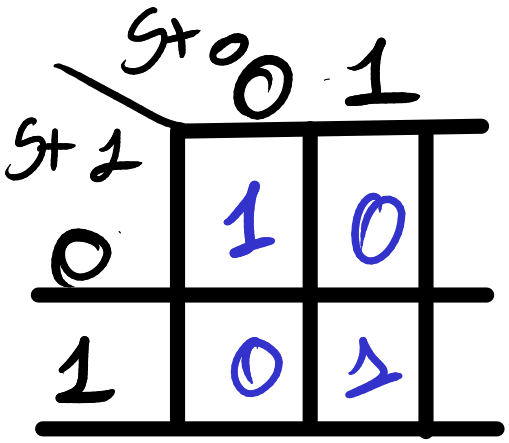
$$St0\,(K) = \overline{St1} \cdot \overline{WB} + St1 \cdot OP$$

St1 St0 \ OP WB	00	01	11	10
00	X	X	X	X
01	1	0	0	1
11	0	0	1	1
10	X	X	X	X

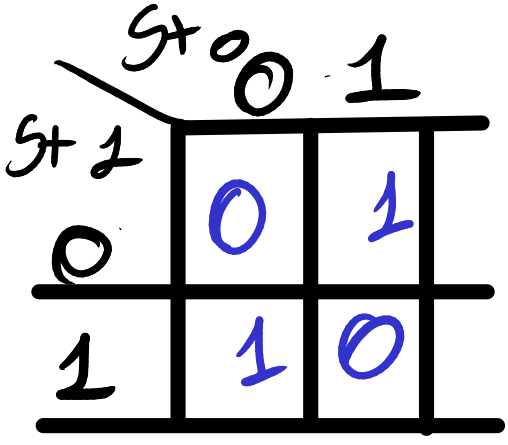
$$S = \overline{St_0}$$



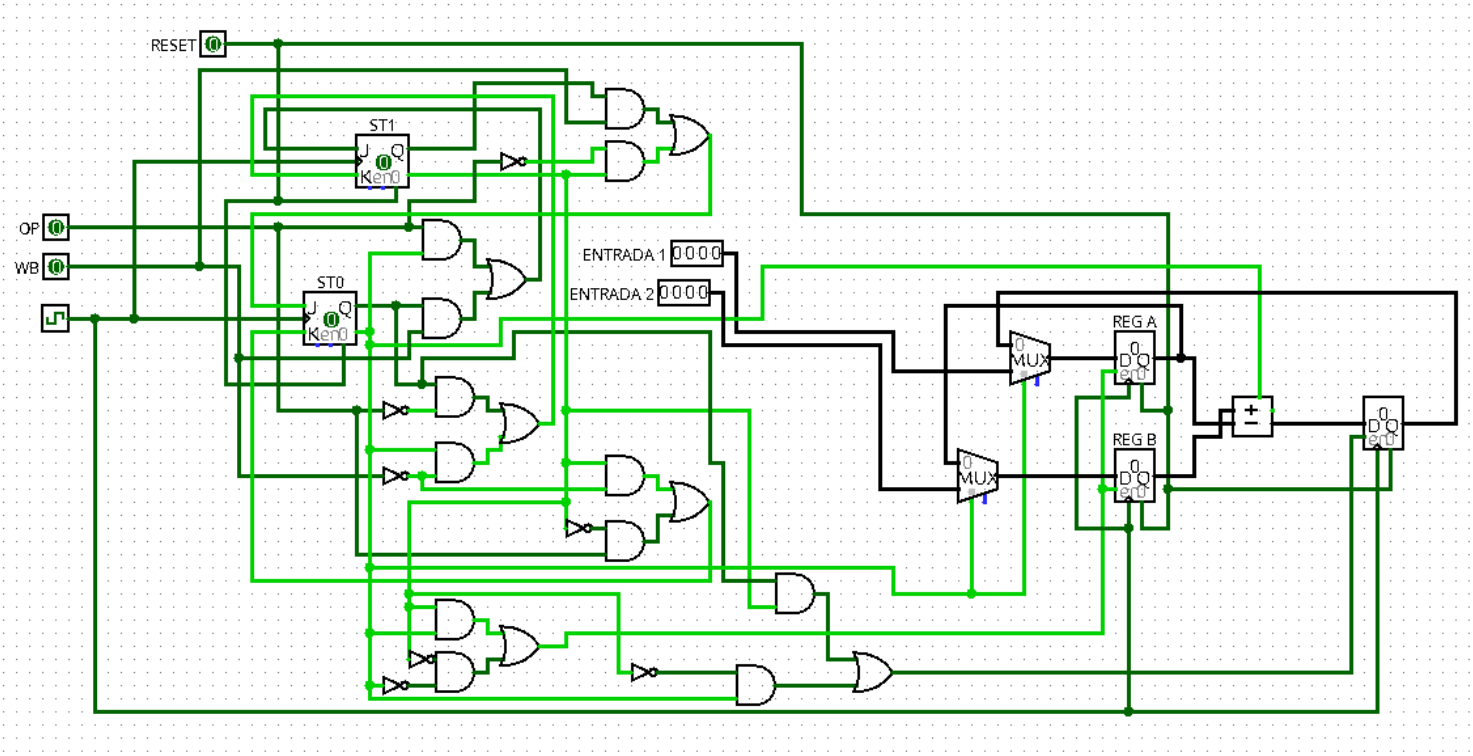
$$EN_AB = \overline{St_1} \cdot \overline{St_0} + St_0 St_1$$



$$EN_C = St_1 \cdot \overline{St_0} + \overline{St_1} \cdot St_0$$



$M = S+1$

$S+1$ \ $S+0$	0	1
0	X	0
1	1	X

CIRCUITO FINAL