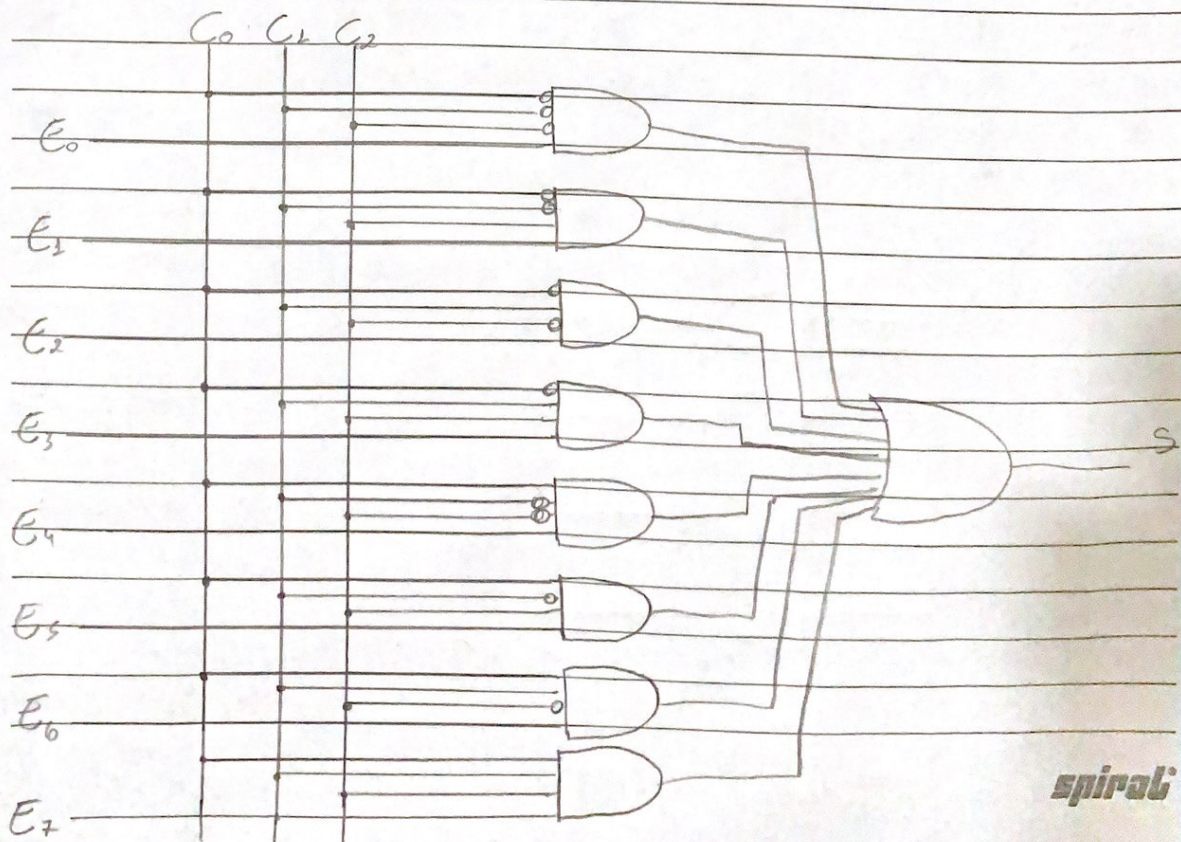


## LISTA 10

①

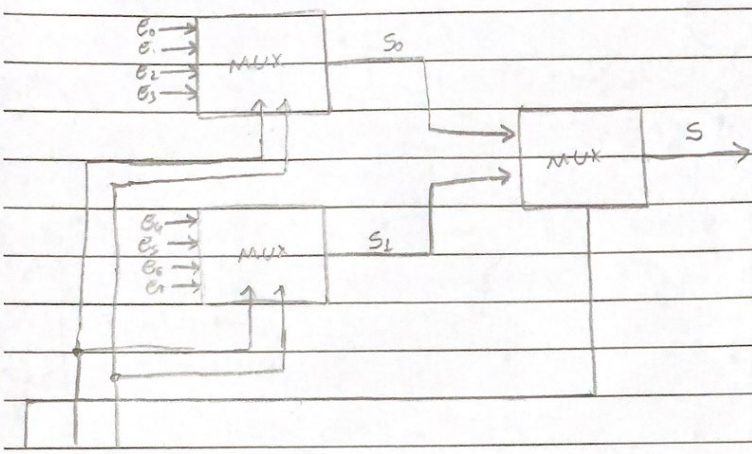
CONTROLES	ENTRADAS	
$C_0 C_1 C_2$		
0 0 0	$E_0$	$\bar{C}_0 \bar{C}_1 \bar{C}_2 E_0$
0 0 1	$E_1$	$\bar{C}_0 \bar{C}_1 C_2 E_1$
0 1 0	$E_2$	$\bar{C}_0 C_1 \bar{C}_2 E_2$
0 1 1	$E_3$	$\bar{C}_0 C_1 C_2 E_3$
1 0 0	$E_4$	$C_0 \bar{C}_1 \bar{C}_2 E_4$
1 0 1	$E_5$	$C_0 \bar{C}_1 C_2 E_5$
1 1 0	$E_6$	$C_0 C_1 \bar{C}_2 E_6$
1 1 1	$E_7$	$C_0 C_1 C_2 E_7$





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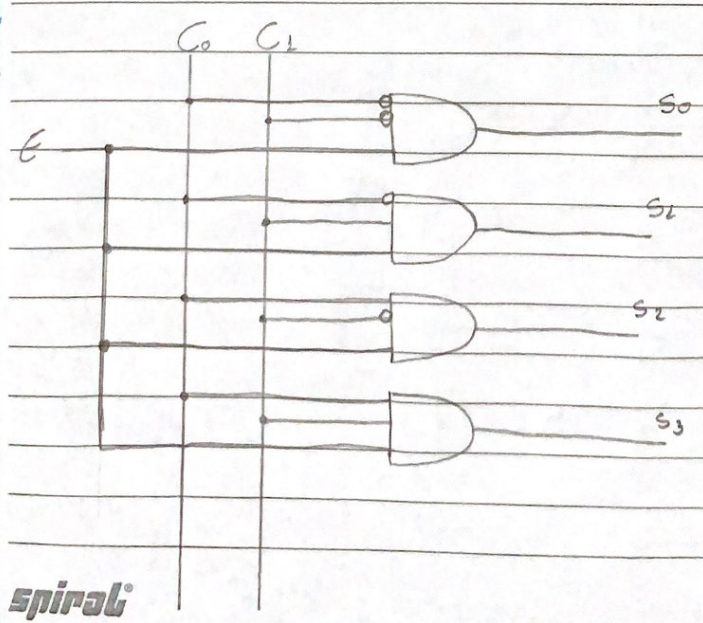
②



A B C

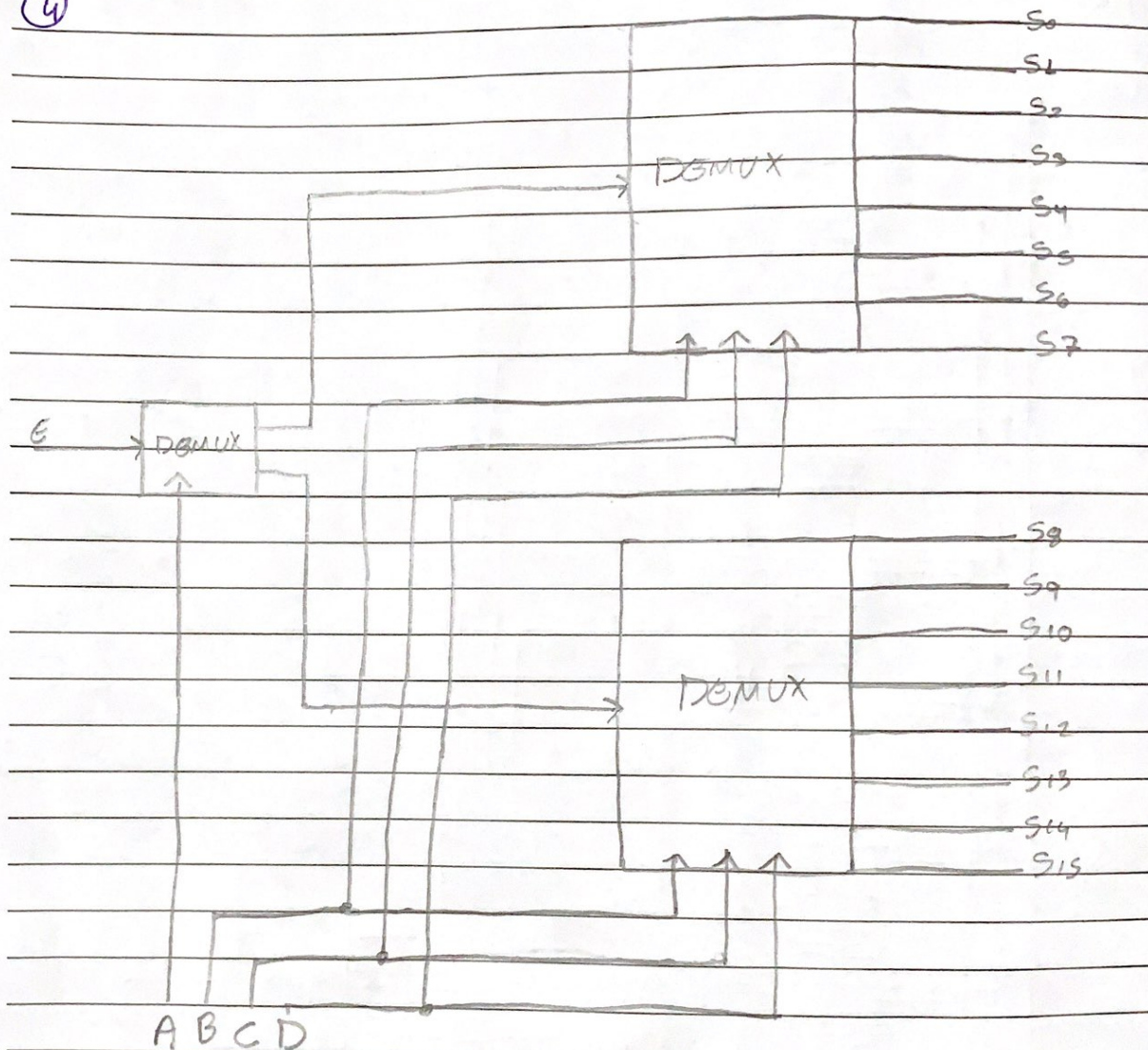
③

CONTROLES		SAÍDAS	
C <sub>0</sub>	C <sub>1</sub>		
0	0	S <sub>0</sub>	$\bar{C}_0 \bar{C}_1 S_0$
0	1	S <sub>1</sub>	$\bar{C}_0 C_1 S_1$
1	0	S <sub>2</sub>	$C_0 \bar{C}_1 S_2$
1	1	S <sub>3</sub>	$C_0 C_1 S_3$





(4)

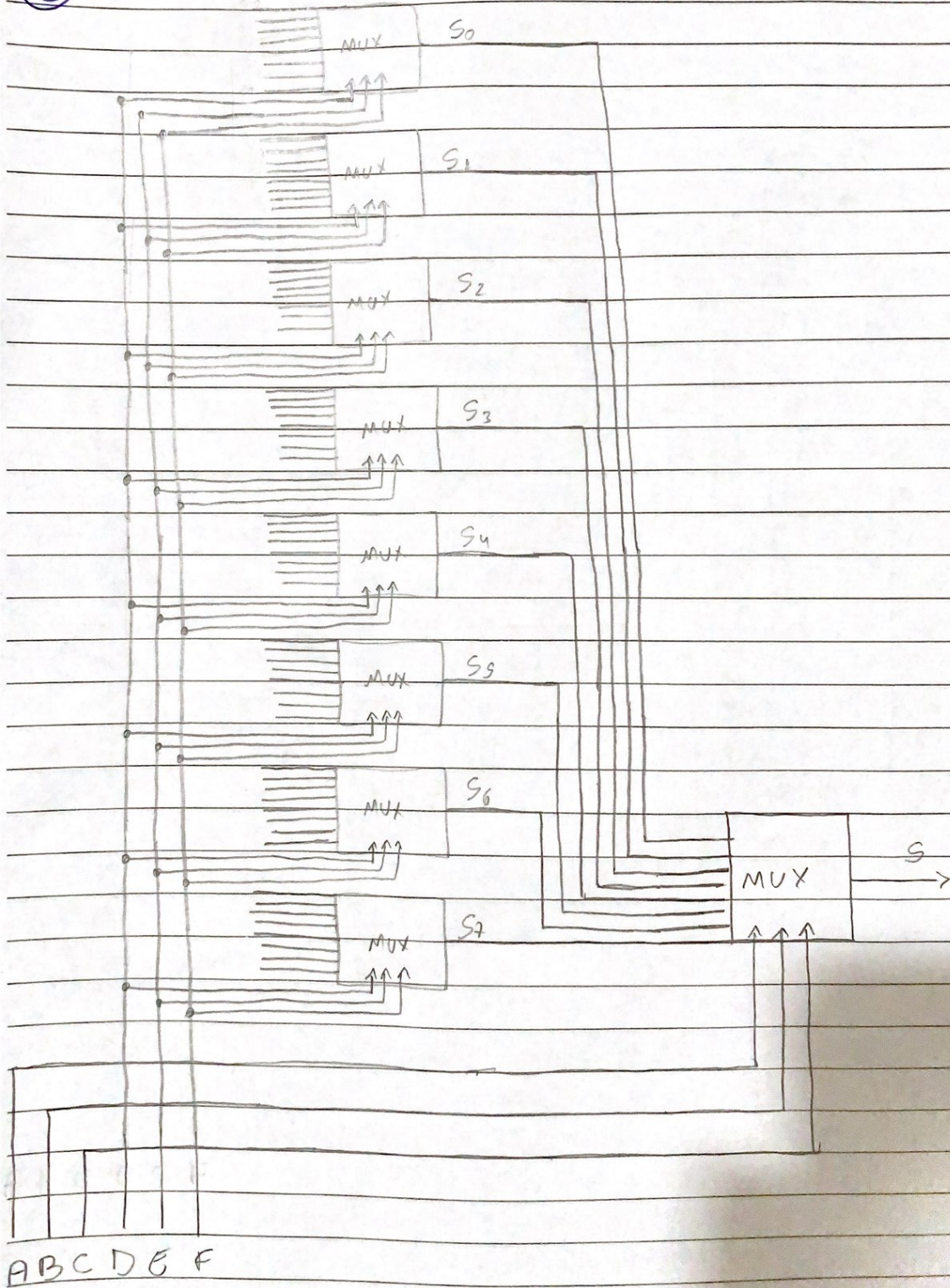




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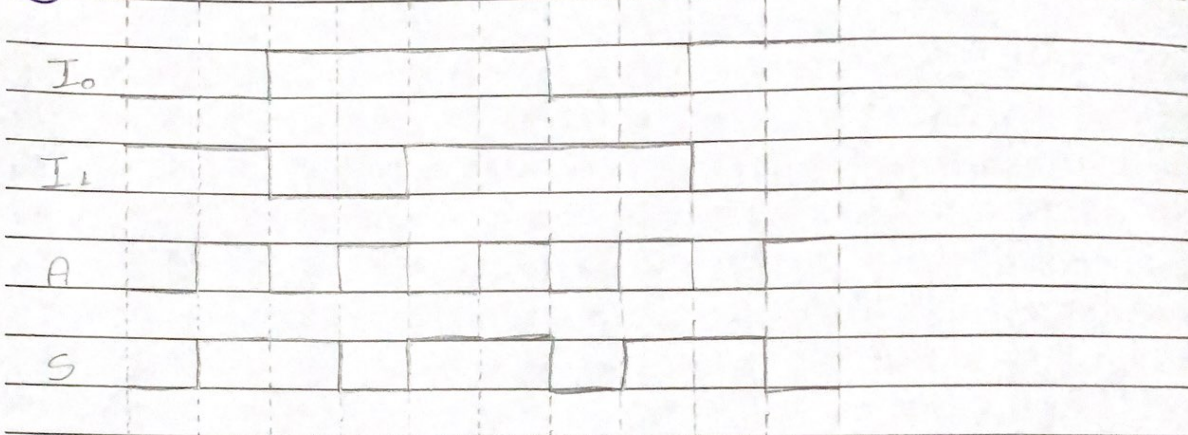
S T Q Q S S D

⑤

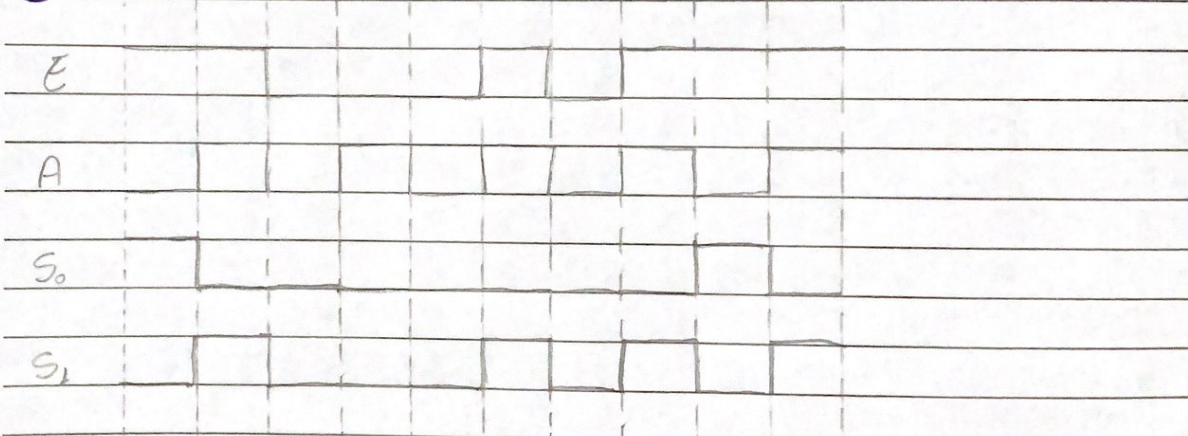




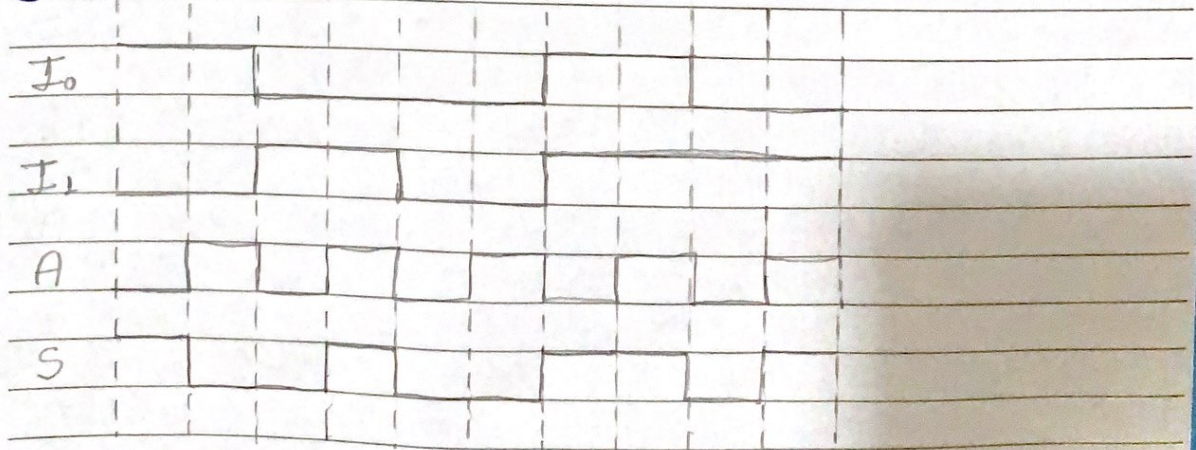
⑥



⑦



⑧





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S T Q Q S S D

# 9 TABELA VERDADE

A B C D	S <sub>0</sub>	S <sub>1</sub>	S <sub>2</sub>	S <sub>3</sub>	S <sub>4</sub>	S <sub>5</sub>	S <sub>6</sub>	S <sub>7</sub>	S <sub>8</sub>	S <sub>9</sub>
0000	1	0	0	0	0	0	0	0	0	0
0001	0	1	0	0	0	0	0	0	0	0
0010	0	0	1	0	0	0	0	0	0	0
0011	0	0	0	1	0	0	0	0	0	0
0100	0	0	0	0	1	0	0	0	0	0
0101	0	0	0	0	0	1	0	0	0	0
0110	0	0	0	0	0	0	1	0	0	0
0111	0	0	0	0	0	0	0	1	0	0
1000	0	0	0	0	0	0	0	0	1	0
1001	0	0	0	0	0	0	0	0	0	1
1010	x	x	x	x	x	x	x	x	x	x
1011	x	x	x	x	x	x	x	x	x	x
1100	x	x	x	x	x	x	x	x	x	x
1101	x	x	x	x	x	x	x	x	x	x
1110	x	x	x	x	x	x	x	x	x	x
1111	x	x	x	x	x	x	x	x	x	x

MAPAS DE KARNOT:

$$S_0 = \overline{A}\overline{B}\overline{C}\overline{D}$$

	$\overline{C}$	C	
$\overline{A}$	1	0	$\overline{B}$
A	x	x	B
	0	1	$\overline{D}$



$$* S_1 = \overline{A}BCD$$

	$\overline{C}$	$C$	
$\overline{A}$	0	1	0
$A$	0	0	0
$\overline{B}$	x	x	x
$B$	0	0	x
$\overline{D}$			
$D$			

$$* S_2 = \overline{B}C\overline{D}$$

	$\overline{C}$	$C$	
$\overline{A}$	0	0	1
$A$	0	0	0
$\overline{B}$	x	x	x
$B$	0	0	x
$\overline{D}$			
$D$			

$$* S_3 = \overline{B}CD$$

	$\overline{C}$	$C$	
$\overline{A}$	0	0	1
$A$	0	0	0
$\overline{B}$	x	x	x
$B$		x	x
$\overline{D}$			
$D$			



1/1

S T Q Q S S D

$$* S_4 = B\bar{C}\bar{D}$$

	$\bar{C}$	$C$	
$\bar{A}$	0	0	$\bar{B}$
	1	0	$B$
$A$	x	x	$\bar{B}$
	0	0	$B$
	$\bar{D}$	$D$	$\bar{B}$

$$* S_5 = B\bar{C}D$$

	$\bar{C}$	$C$	
$\bar{A}$	0	0	$\bar{B}$
	0	1	$B$
$A$	x	x	$\bar{B}$
	0	0	$B$
	$\bar{D}$	$D$	$\bar{B}$

$$* S_6 = BCD$$

	$\bar{C}$	$C$	
$\bar{A}$	0	0	$\bar{B}$
	0	0	$B$
$A$	x	x	$\bar{B}$
	0	0	$B$
	$\bar{D}$	$D$	$\bar{B}$



$$* S_7 = BCD$$

	$\bar{C}$		C		
$\bar{A}$	0	0	0	0	$\bar{B}$
	0	0	1	0	
$A$	1	1	1	1	B
	0	0	1	1	$\bar{B}$
	$\bar{D}$		D		

$$* S_8 = A\bar{D}$$

	$\bar{C}$		C		
$\bar{A}$	0	0	0	0	$\bar{B}$
	0	0	0	0	
$A$	x	x	x	x	B
	0	0	x	x	$\bar{B}$
	$\bar{D}$		D		

$$* S_9 = AD$$

	$\bar{C}$		C	
$\bar{A}$	0	0	0	0
	0	0	0	0
$A$	x	x	x	x
	0	x	x	x
	$\bar{D}$		D	



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S T Q Q S S D

VAMOS AO CIRCUITO

A B C D

