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lab #03

19212

ejercicio 01

Tabla 01

ecuación suma de productos

$$Y = (\bar{A}\bar{B}\bar{C}) + (\bar{A}B\bar{C}) + (A\bar{B}\bar{C}) + (A\bar{B}C) + (AB\bar{C})$$

ecuación producto de sumas

$$Y = (A+B+\bar{C}) \cdot (A+\bar{B}+\bar{C}) \cdot (\bar{A}+\bar{B}+C)$$

Tabla 02

SOP

$$Y = \bar{A}\bar{B}C + A\bar{B}\bar{C} + ABC$$

POS

$$Y = (A+B+C) \cdot (A+\bar{B}+C) \cdot (A+\bar{B}+\bar{C}) \cdot (\bar{A}+B+C) \cdot (\bar{A}+B+\bar{C})$$

Tabla 03

SOP

$$Y = \bar{A}\bar{B}\bar{C}\bar{D} + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}C\bar{D}$$

POS

$$Y = (A+\bar{B}+C+D) \cdot (A+\bar{B}+C+\bar{D}) \cdot (A+\bar{B}+\bar{C}+D) \cdot (A+\bar{B}+\bar{C}+\bar{D}) \cdot (\bar{A}+B+C+D) \cdot (\bar{A}+B+C+\bar{D}) \cdot (\bar{A}+B+\bar{C}+D) \cdot (\bar{A}+B+\bar{C}+\bar{D})$$

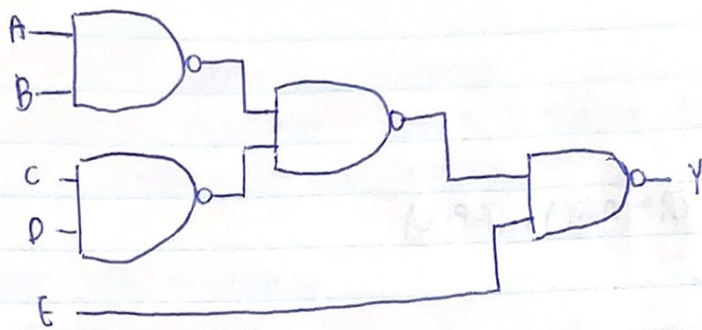
Tabla 04

SOP

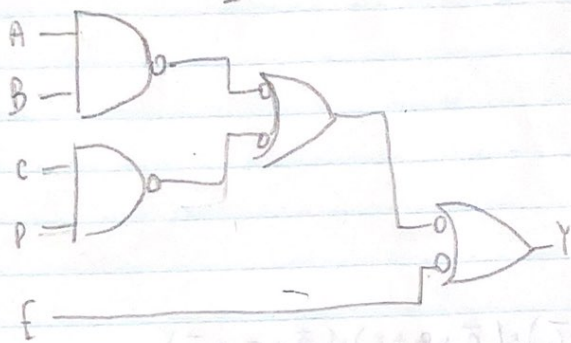
$$Y = \bar{A}\bar{B}\bar{C}\bar{D} + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}C\bar{D}$$

POS

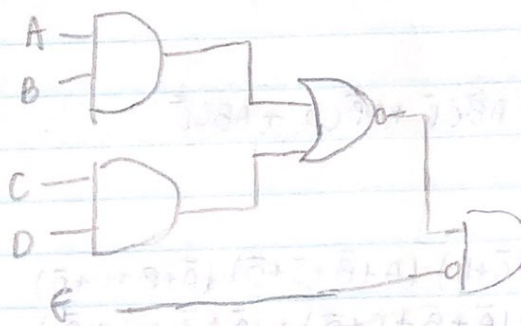
$$Y = (A+B+C+\bar{D}) \cdot (A+\bar{B}+C+D) \cdot (A+\bar{B}+C+\bar{D}) \cdot (\bar{A}+B+C+\bar{D}) \cdot (\bar{A}+B+\bar{C}+\bar{D}) \cdot (\bar{A}+B+\bar{C}+D) \cdot (\bar{A}+\bar{B}+C+D) \cdot (\bar{A}+\bar{B}+\bar{C}+D)$$



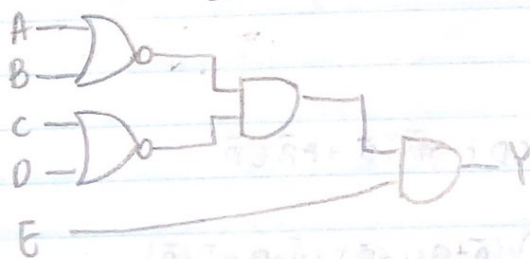
$$(A \cdot B) \cdot (B \cdot C) \cdot (C \cdot D) \cdot (D \cdot E) = Y$$



$$(\bar{A} + \bar{B} + \bar{C}) \cdot (\bar{B} + \bar{C} + \bar{D}) \cdot (\bar{C} + \bar{D} + \bar{E}) \cdot (\bar{D} + \bar{E} + \bar{F}) = Y$$



$$(\bar{A} + \bar{B} + \bar{C}) \cdot (\bar{B} + \bar{C} + \bar{D}) \cdot (\bar{C} + \bar{D} + \bar{E}) \cdot (\bar{D} + \bar{E} + \bar{F}) = Y$$



$$(\bar{A} + \bar{B} + \bar{C}) \cdot (\bar{B} + \bar{C} + \bar{D}) \cdot (\bar{C} + \bar{D} + \bar{E}) \cdot (\bar{D} + \bar{E} + \bar{F}) = Y$$

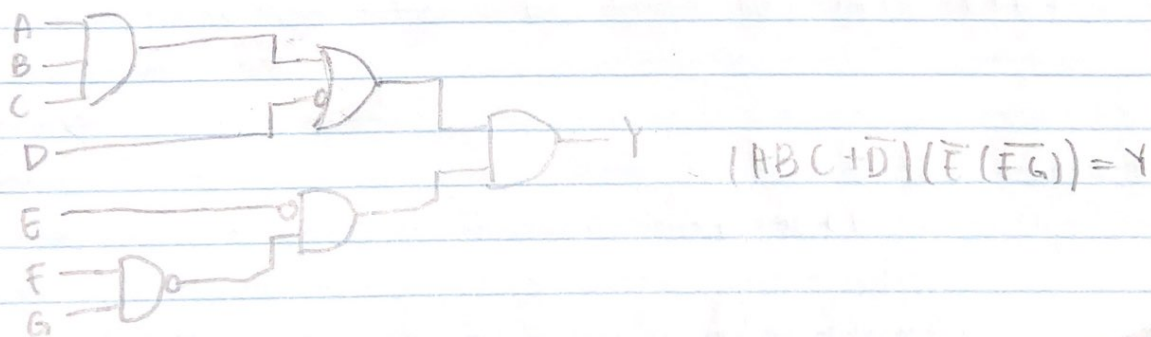
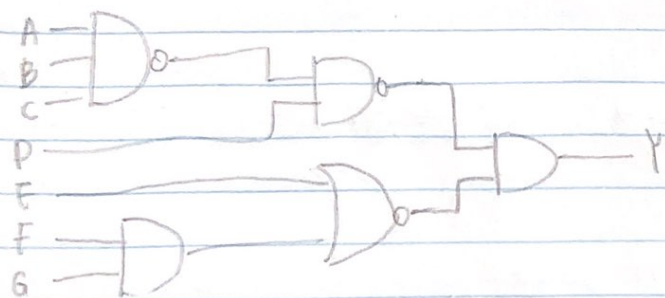
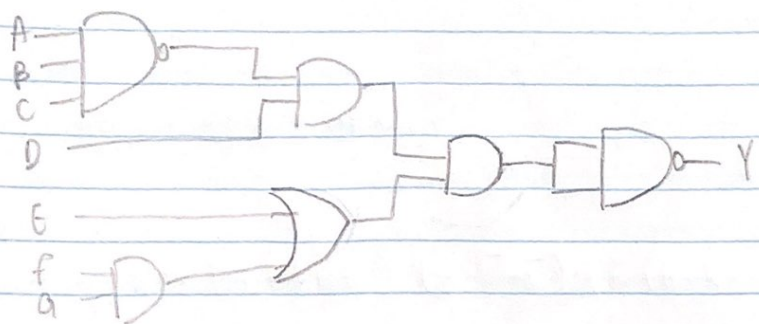
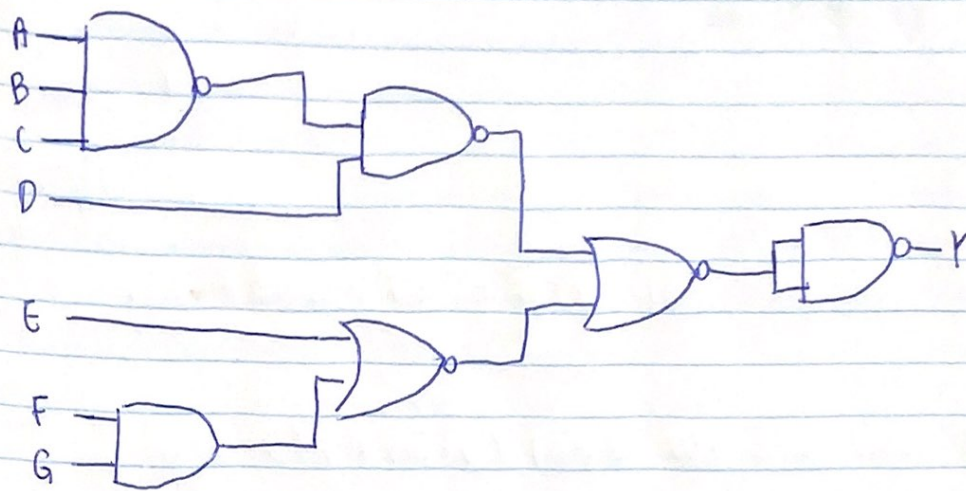


Tabla 01

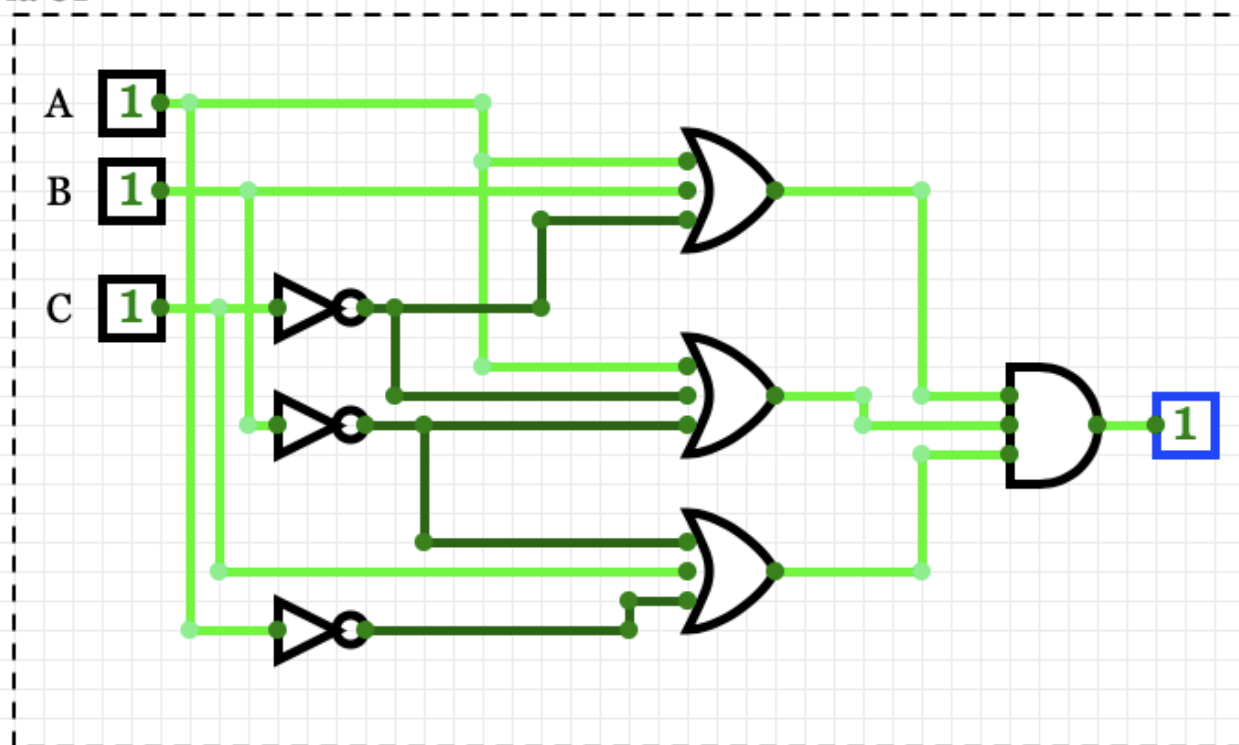


Tabla 02

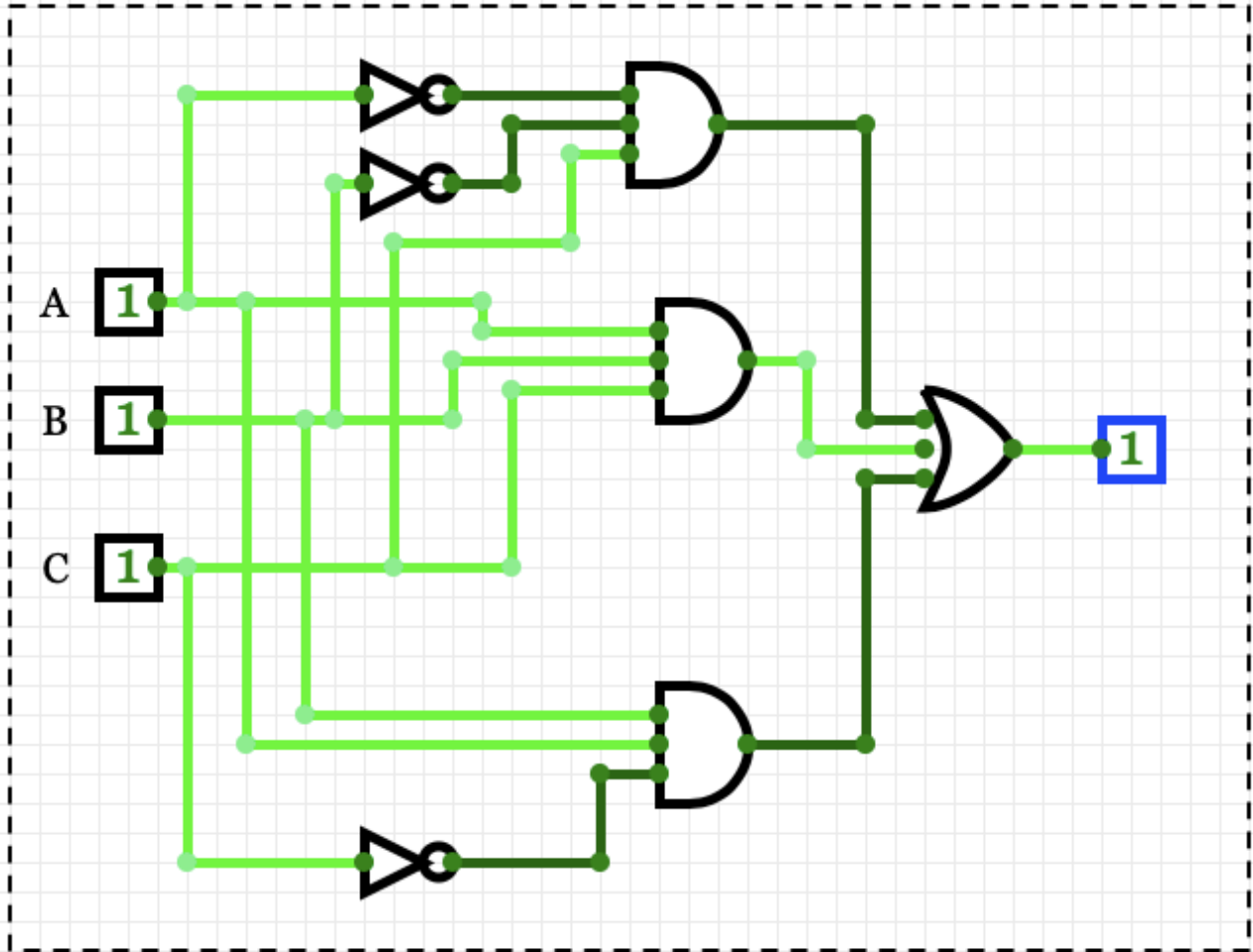


Tabla 03

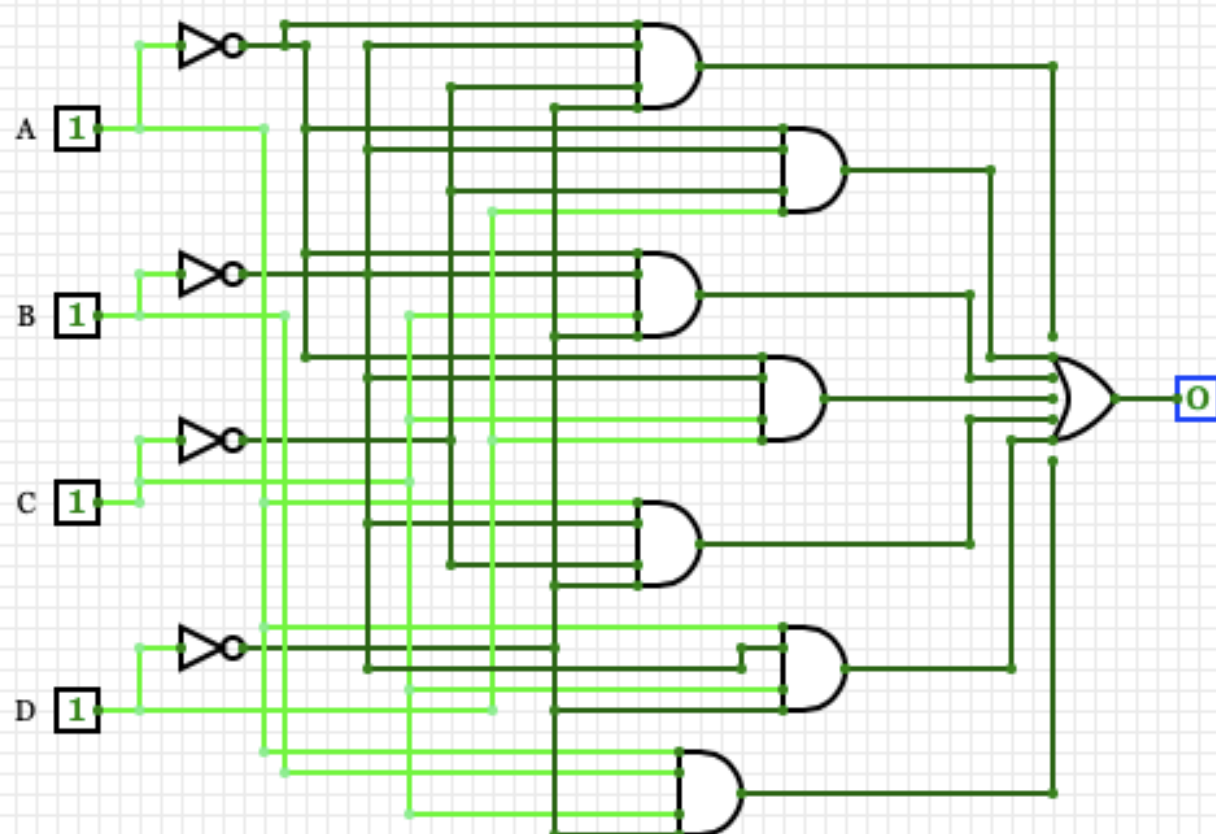


Tabla 04

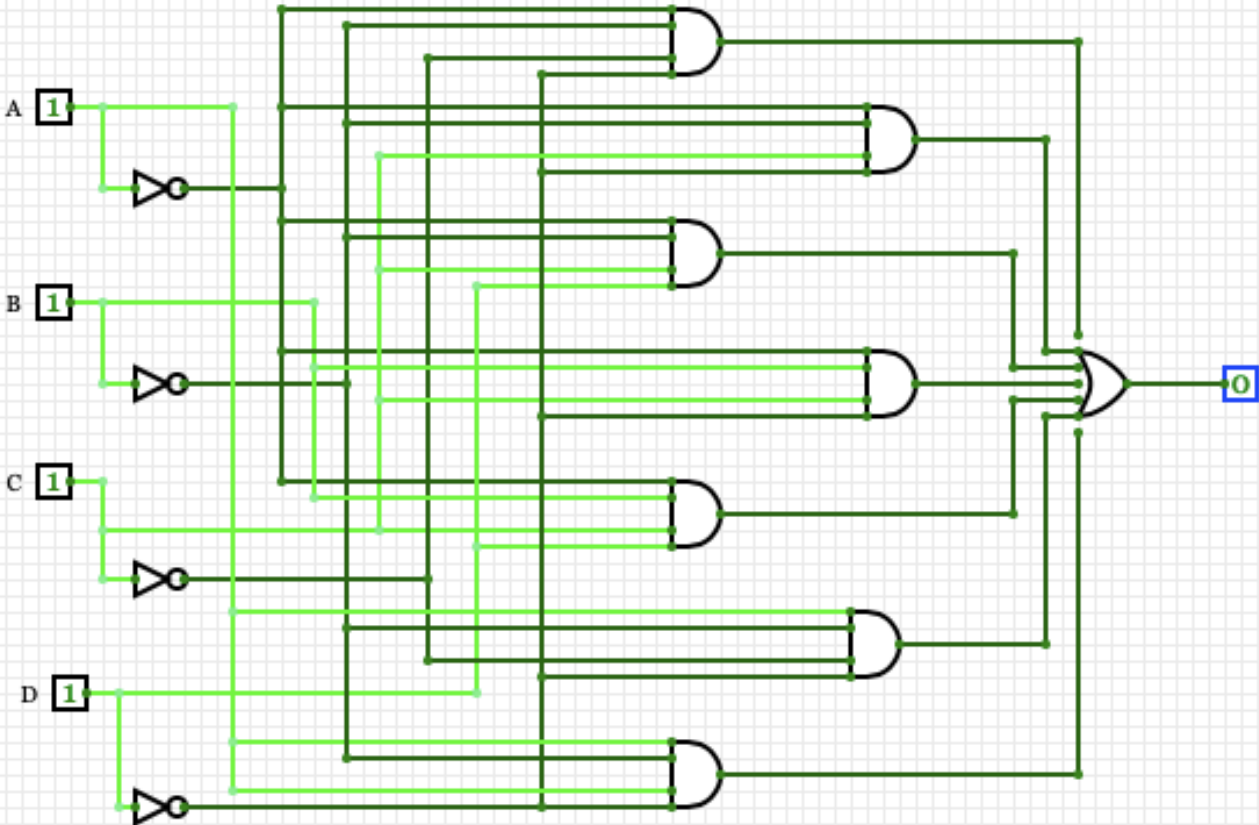


Tabla 01POS

A	B	C	Y
0	0	0	1
0	0	1	0
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	1
1	1	0	0
1	1	1	1

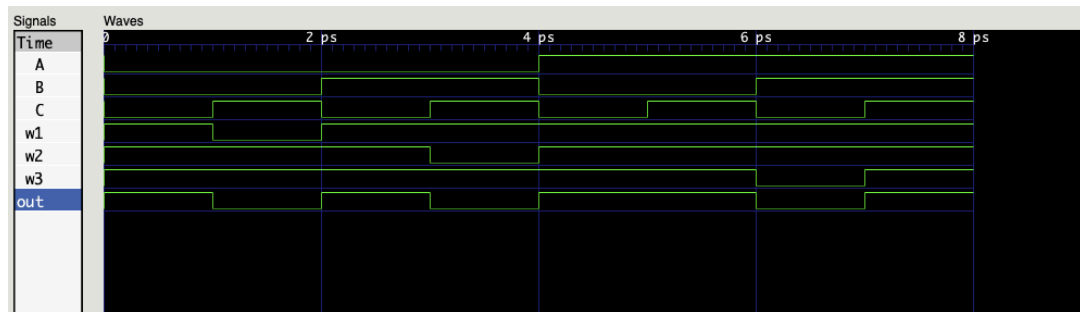


Tabla 01 SOP

A	B	C	Y
0	0	0	1
0	0	1	0
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	1
1	1	0	0
1	1	1	1

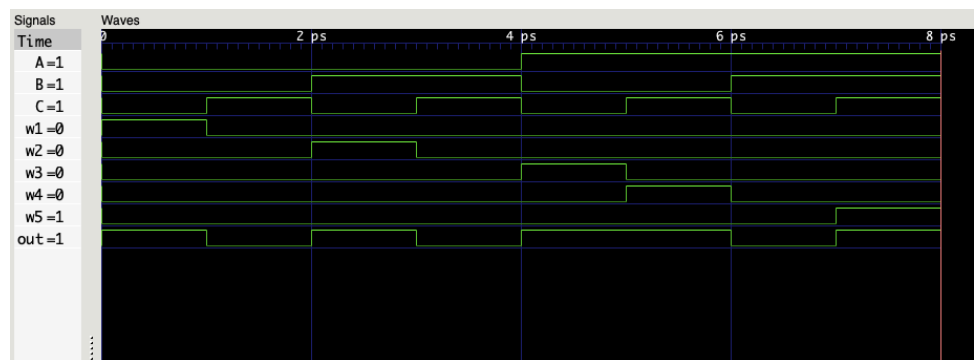


Tabla 02 POS

A	B	C	Y
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	1
1	1	1	1

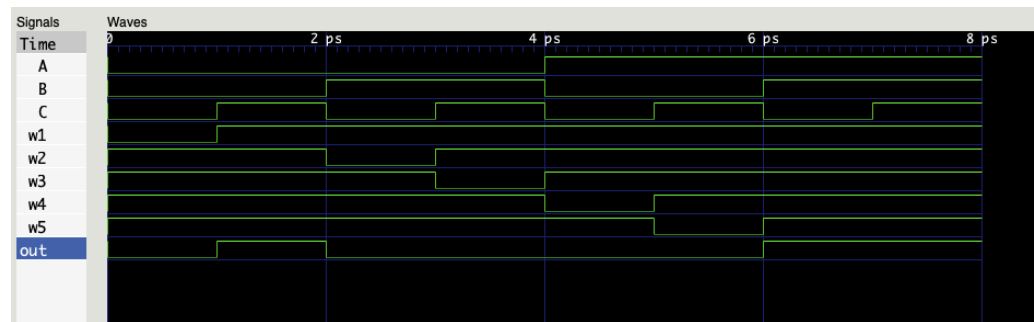


Tabla 02 SOP

A	B	C	Y
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	1
1	1	1	1

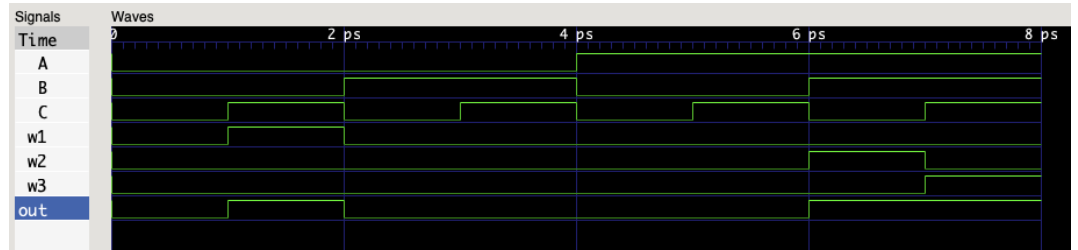


Tabla 03 POS

```

A B C D | Y
-----
VCD info: dum
0 0 0 0 | 1
0 0 0 1 | 1
0 0 1 0 | 1
0 0 1 1 | 1
0 1 0 0 | 0
0 1 0 1 | 0
0 1 1 0 | 0
0 1 1 1 | 0
1 0 0 0 | 1
1 0 0 1 | 0
1 0 1 0 | 1
1 0 1 1 | 0
1 1 0 0 | 0
1 1 0 1 | 0
1 1 1 0 | 1
1 1 1 1 | 0

```

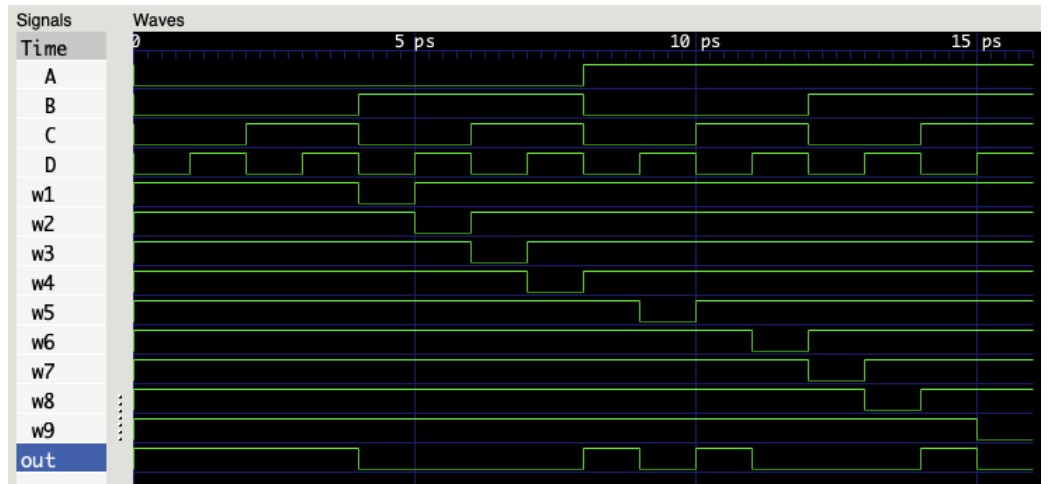


Tabla 03 SOP

A	B	C	D	Y
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0
1	0	0	0	1
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	1
1	1	1	1	0

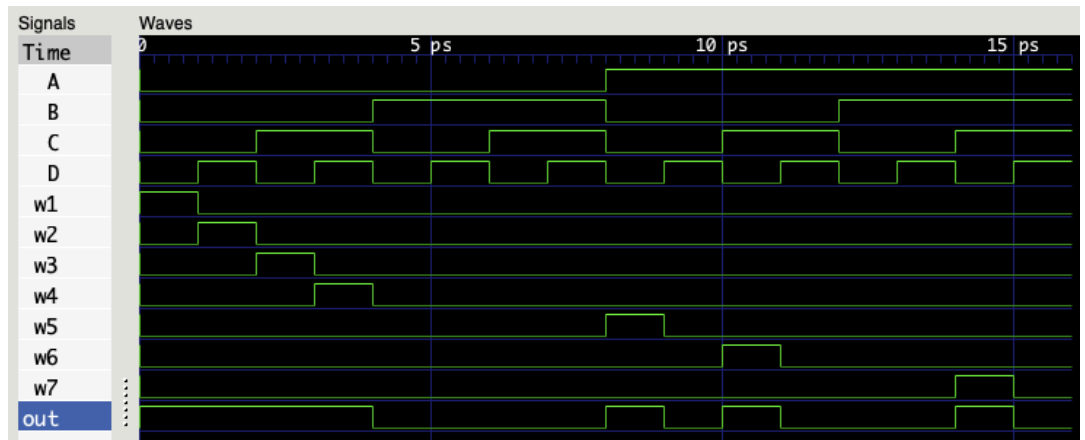


Tabla 04 POS

A	B	C	D	Y
0	0	0	0	1
0	0	0	1	0
0	0	1	0	1
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

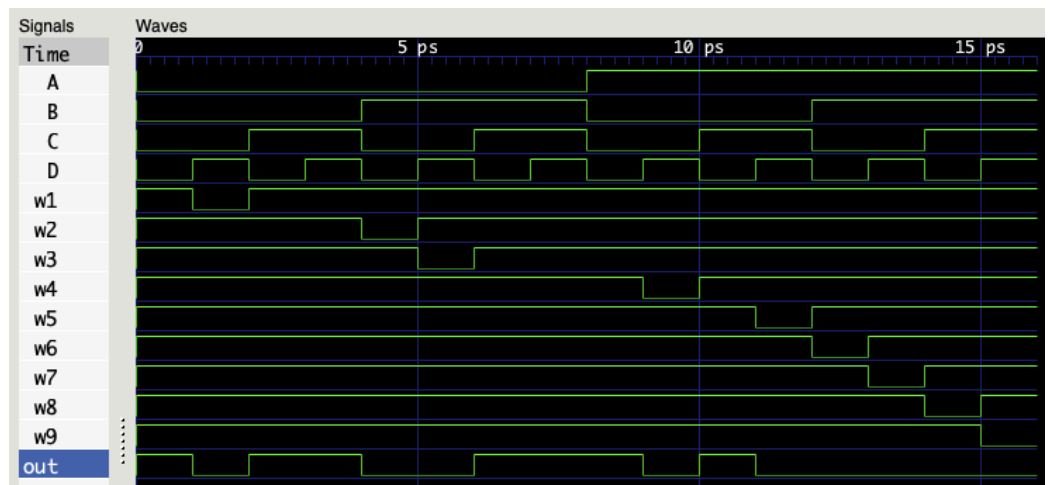
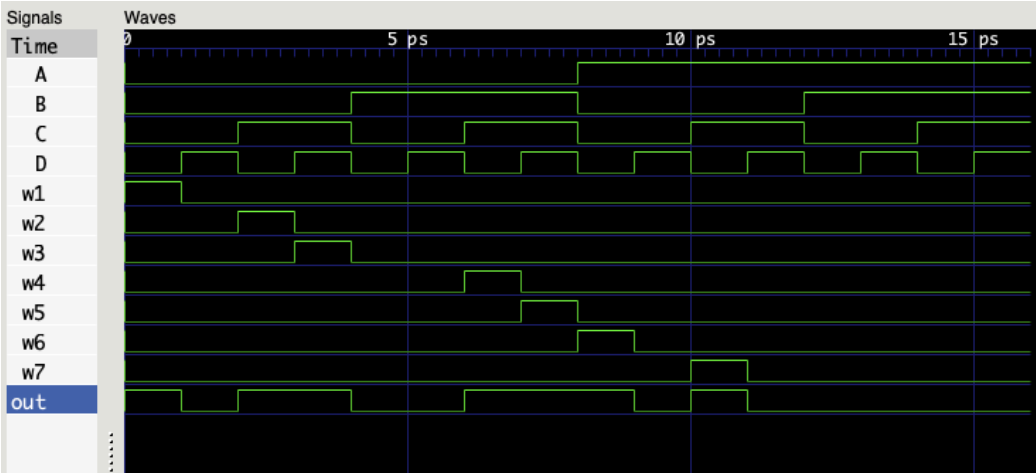


Tabla 04 SOP

A	B	C	D	Y

VCD info: dum				
0	0	0	0	1
0	0	0	1	0
0	0	1	0	1
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0



<https://github.com/mor19213/lab3.git>