Carné: 19659 Sección: 21

Electrónica digital Laboratorio #4

Primera parte

```
501
                         4 = (A'.B'.C'.D')+(A'B'C'.D)+(A'.B'.C D')+(A'.B'.C D)+
                             (A . B' . C' . D') + (A . B' . C . D') + (A + B . C . D')
             0
                          POS
                         y = (A+B'+C+D). (A+B'+C+D'). (A+B'+C'+D). (A+B'+C'D)
# O
                    (A'+B+C+D'). (A'+B+C'+D'). (A'+B'+C+D). (A'+B'+C+D'). (A'B'CID)
             0
                 0
                 0
                        SOP
                        Y = (A'.B'.C'D')+(A'.B'.C.D')+(A'.B'.C.D)+
                 1
                            (A'.B.C.D') . (A'.B.C.D) + (A.B'.C'.D')
                 0
* 0
                 1
                            (A .B' . C . D')
+ 0
             0
                        P05
                        M= (A+B+C+D'). (A+B+C+D). (A-B'.C.D')
                 1
                            (A'+B+C+D') · (A'+B+C'+D') · (A'+B'+C+D')
                 0
                            (A'+B'+C+D'). (A'+B'+C'+D). (A'+B'+C'+D')
                 0
```

Segunda parte

Tabla No. 3, SOP

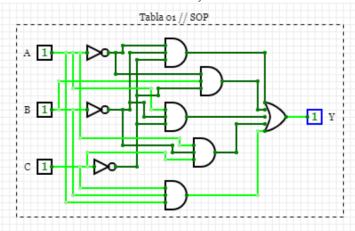


Tabla No. 2, SOP

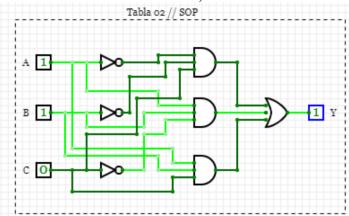


Tabla No. 3, POS

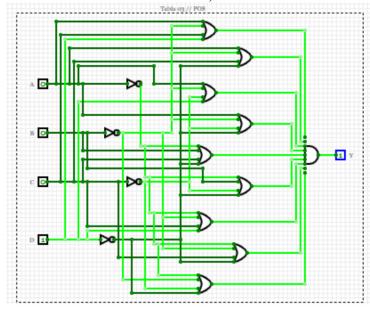
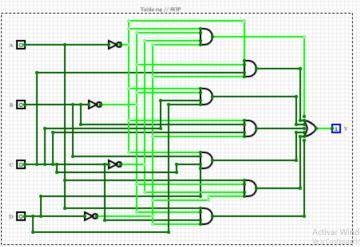


Tabla No. 4, SOP



Tercera parte

01 Tabla POS

01 Tabla SOP

02 Tabla POS

```
C:\Users\personal\Documents\Valerie Valdez\Electronica digital\Github\Lab_digital_3\02_TABLA _POS>apio sim

---> WARNING: no PCF file found (.pcf)

iverilog -o 02_TABLA_POS_tb.out -D VCD_OUTPUT=02_TABLA_POS_tb C:\Users\personal\.apio\packag les\toolchain-yosys\share\yosys\ice40\/cells_sim.v 02_TABLA_POS.v 02_TABLA_POS_tb.v vvp 02_TABLA_POS_tb.out

A B C | Y

VCD info: dumpfile 02_TABLA_POS_tb.vcd opened for output.

0 0 0 | 0
0 1 1 | 0
1 0 | 0
0 1 1 | 0
1 0 0 | 0
1 1 | 0
1 1 0 1 | 0
1 1 0 1 1
1 1 1 1 | 1
gtkwave 02_TABLA_POS_tb.vcd 02_TABLA_POS_tb.gtkw
```

02 Tabla SOP

03 Tabla POS

03 Tabla SOP

04 Tabla POS

04 Tabla SOP

Link: https://github.com/valeelorraine/Lab_digital_3

Cuarta parte

