## Hojas de entrega para escanear y subir al Campus Virtual.

Las hojas de entrega previa deben ser impresas, rellenadas con sus soluciones, escaneadas o fotografiadas, y subidas al Campus Virtual en la tarea correspondiente.

DNI: SUM(DNI) mod 7: 26263880L

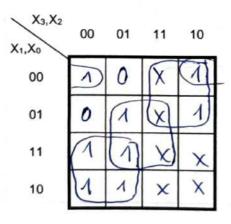
## Parte 1. Diseño teórico y creación de los esquemáticos.

Tabla de Verdad Decodificador BCD a 7 Segmentos:

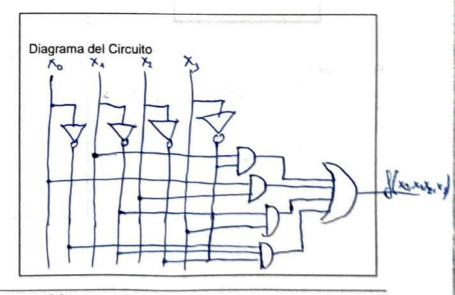
X <sub>3</sub>	X <sub>2</sub>	X <sub>1</sub>	X <sub>0</sub>	Α	В	С	D	Ε	F	G	DP
0	0	0	0	1	1	1	1	1	1	0	0
0	0	0	1	0	1	1	0	0	0	0	0
0	0	1	0	1	1	0	1	1	0	1	0
0	0	1	1	1	1	1	1	0	0	1	0
0	1	0	0	0	1	1	0	0	1	1	0
0	1	0	1	1	0	1	1	0	1	1	0
0	1	1	0	1	0	1	1	1	1	1	0
0	1	1	1	1	1	1	0	0	0	0	0
1	0	0	0	1	1	1	1	1	1	1	0
1	0	0	1	1	1	1	0	0	1	1	0
1	0	1	0	X	X	X	X	X	X	X	0
1	0	1	1	X	X	X	X	X	X	X	0
1	1	0	0	X	X	X	χ	X	X	X	0
1	1	0	1	X	X	X	X	X	X	X	0
1	1	1	0	X	X	X	X	X	X	X	0
1	1	1	1	X	X	X	X	X	X	X	0

SM (Suma Mínima)

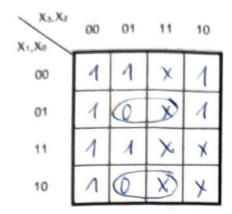
Segmento ...A.



Función Lógica  $(X_1 \overline{X}_3) \cdot 1 (X_2 \overline{X}_2) \cdot 1 (\overline{X}_1 \overline{X}_3) \cdot 1 (\overline{X}_2 \overline{X}_1 \overline{X}_2)$ 



## PM (Producto Minimo) Segmento ...

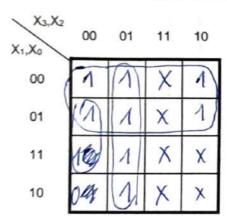


Función Lógica

(xxxxxx) = (xxxxxx)	(xxxx)

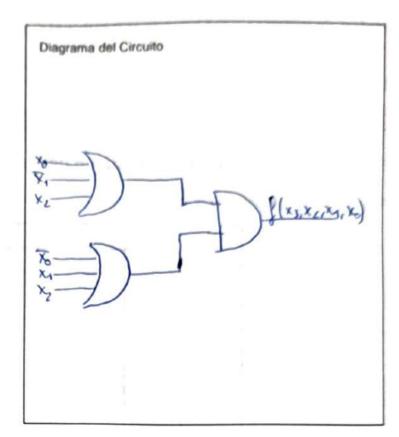
NAND

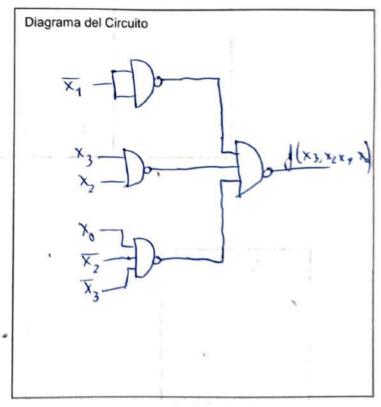
Segmento .....



Función Lógica

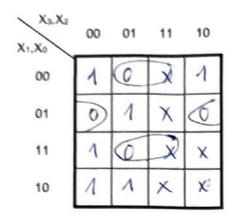
$$\int (x_3 x_2, x_4, x_6) = \overline{x_4} + (\overline{x_5} x_2) + (x_6 \overline{x_2} x_3) = \overline{x_4} + (\overline{x_5} x_2) + (x_6 \overline{x_2} x_3) = \overline{x_4} + (\overline{x_5} x_2) + (x_6 \overline{x_2} x_3) = \overline{x_4} + (\overline{x_5} x_2) + (x_6 \overline{x_2} x_3) = \overline{x_4} + (\overline{x_5} x_2) + (x_6 \overline{x_2} x_3) = \overline{x_5} + (\overline{x_5} x_2) + (x_6 \overline{x_2} x_3) = \overline{x_5} + (x_6 \overline{x_2} x_3)$$



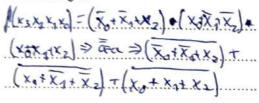


NOR

Segmento D

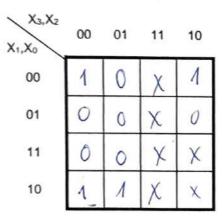


Función Lógica

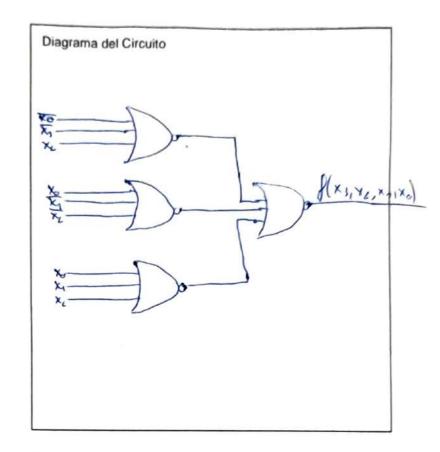


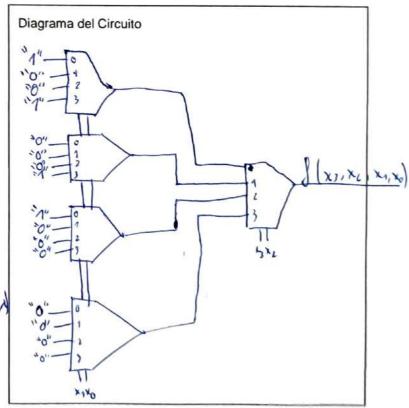
MUX4\_1

Segmento . E.



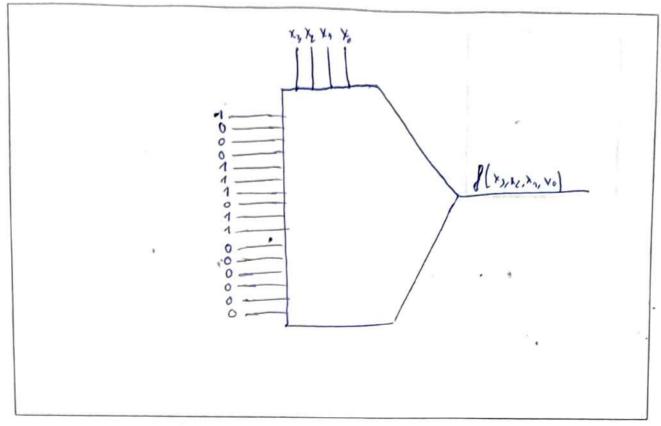
Función Lógica





Segmento F. MUX16\_1

Diagrama del Circuito:



Segmento .... DEC

Diagrama del Circuito:

