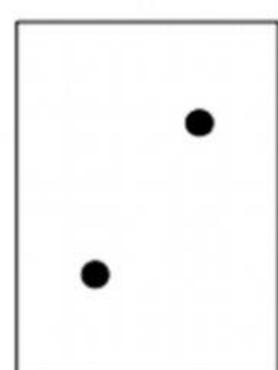
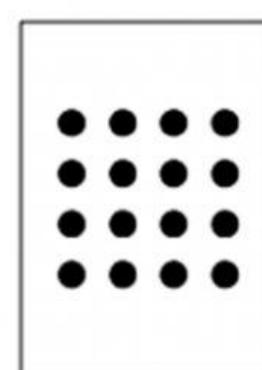
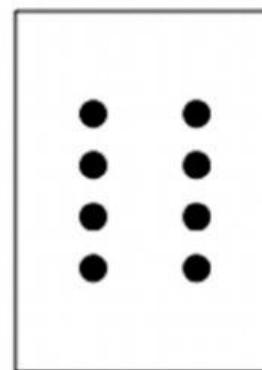
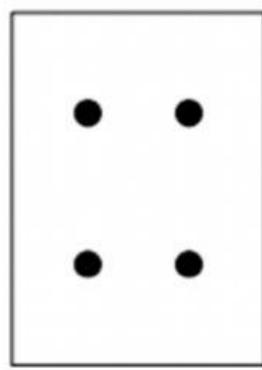
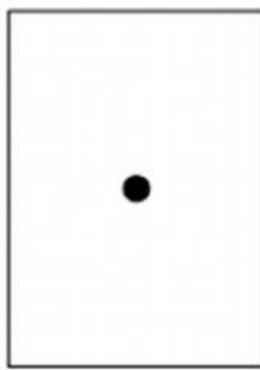
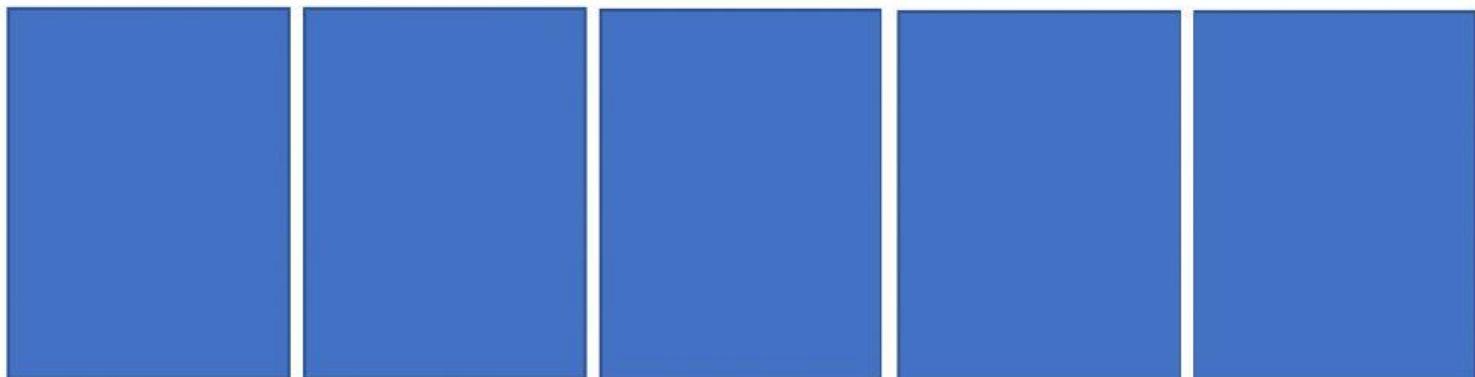


# PRACTICA DE LÓGICA COMPUTACIONAL

## Organizo las cartas de acuerdo al orden del sistema binario



- Si agrego una sexta tarjeta a la izquierda, ¿Cuántos puntos tendría?
- Si agrego una séptima tarjeta a la izquierda, ¿Cuántos puntos tendría?
- ¿Cuál es el número más grande que puedes representar con 5 tarjetas?
- ¿Cuál es el número más pequeño?

Selecciono la bombilla para encenderla y representar el número en amarillo y escribo el número en binario.

256

128

64

32

16

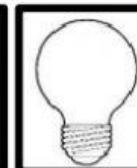
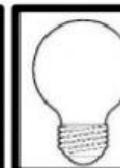
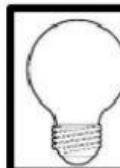
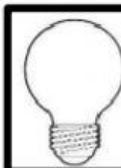
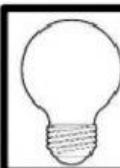
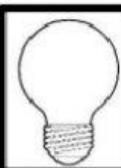
8

4

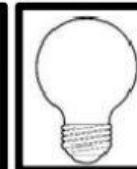
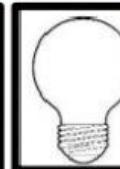
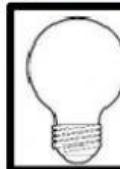
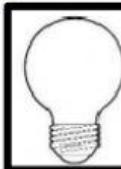
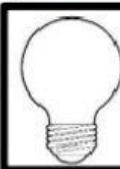
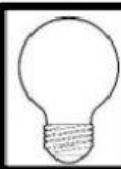
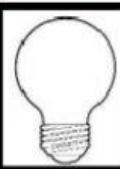
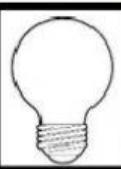
2

1

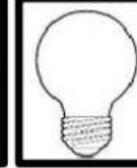
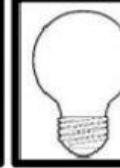
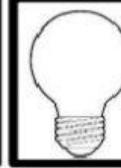
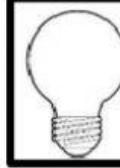
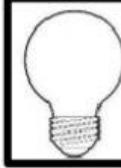
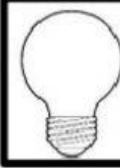
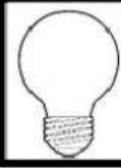
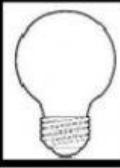
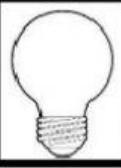
37



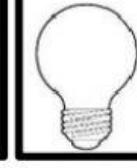
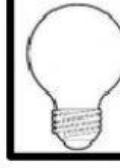
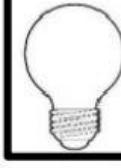
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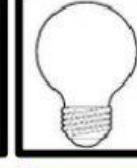
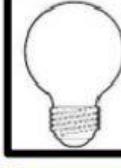
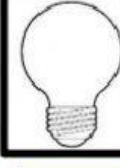
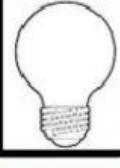
152



278



449



Para representar las letras con ceros y unos, se usan combinaciones de 8 bits, es decir, de 8 ceros o unos. Este es el código de las letras del alfabeto en mayúsculas y minúsculas, conocido como el código ASCII. Escribo Hola Mundo en código binario.

A	01000001	N	01001110	a	01100001	n	01101110
B	01000010	O	01001111	b	01100010	o	01101111
C	01000011	P	01010000	c	01100011	p	01110000
D	01000100	Q	01010001	d	01100100	q	01110001
E	01000101	R	01010010	e	01100101	r	01110010
F	01000110	S	01010011	f	01100110	s	01110011
G	01000111	T	01010100	g	01100111	t	01110100
H	01001000	U	01010101	h	01101000	u	01110101
I	01001001	V	01010110	i	01101001	v	01110110
J	01001010	W	01010111	j	01101010	w	01110111
K	01001011	X	01011000	k	01101011	x	01111000
L	01001100	Y	01011001	l	01101100	y	01111001
M	01001101	Z	01011010	m	01101101	z	01111010

Escribe en decimal los números binarios de cada fila

128	64	32	16	8	4	2	1	
1	0	0	1	0	0	0	0	
0	0	1	1	1	1	1	1	
1	0	0	0	0	0	0	0	
1	1	0	1	0	0	0	0	
0	1	1	0	1	0	1	1	

En la siguiente imagen, escribo el código binario de cada grupo de focos

