

BCD natural

$$\begin{array}{l} 5 \rightarrow 0101 \\ 8 \rightarrow 1000 \end{array} \left\{ \begin{array}{l} 01011000 \\ \text{BCD} \end{array} \right.$$

ASCII con p. impar

$$\begin{array}{l} 5 \rightarrow 35_{\text{hex}} \rightarrow 0110101 \rightarrow \begin{array}{l} 00110101 \\ \text{bit de paridad} \end{array} \\ 8 \rightarrow 38_{\text{hex}} \rightarrow 0111000 \rightarrow 10111000 \end{array}$$

$$0011010110111000 \text{ ASCII p. impar}$$

- Obtenga 23.42_8 en las bases 16 y 10

base 16

Pasando por la base 2:

$$23.42_8 = \underbrace{010011}_{13} . \underbrace{100010}_{88} \text{ L}_2$$

↓ ↓ ↓ ↓₁₀₀₀

1 3 . 8 8

$$13.88 \text{ L}_{16}$$

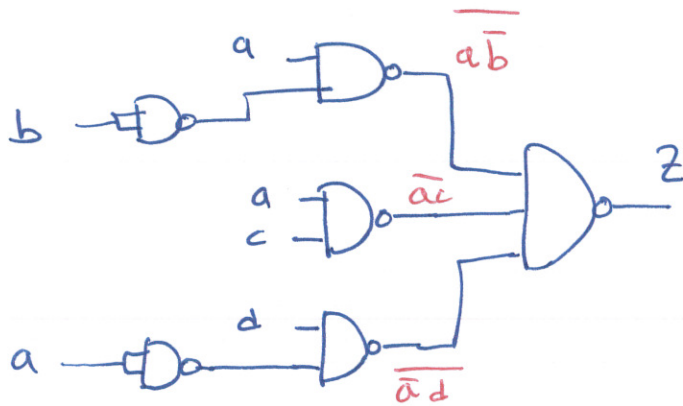
base 10

$$\text{Parte entera: } 2 \times 8^1 + 3 \times 8^0 = 19$$

$$\text{Parte fraccionaria: } 4 \times 8^{-1} + 2 \times 8^{-2} = \frac{4}{8} + \frac{2}{64} =$$

$$= \frac{1}{2} + \frac{1}{32} = 0.53125$$

$$19.53125 \text{ L}_{10}$$



1) expresión de la función

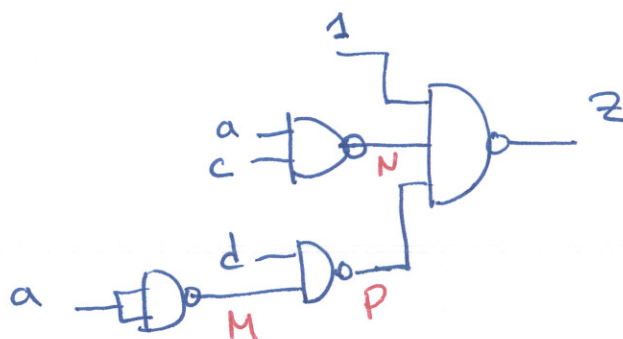
$$Z = \overline{a\bar{b} \cdot ac \cdot \bar{a}d} = a\bar{b} + ac + \bar{a}d$$

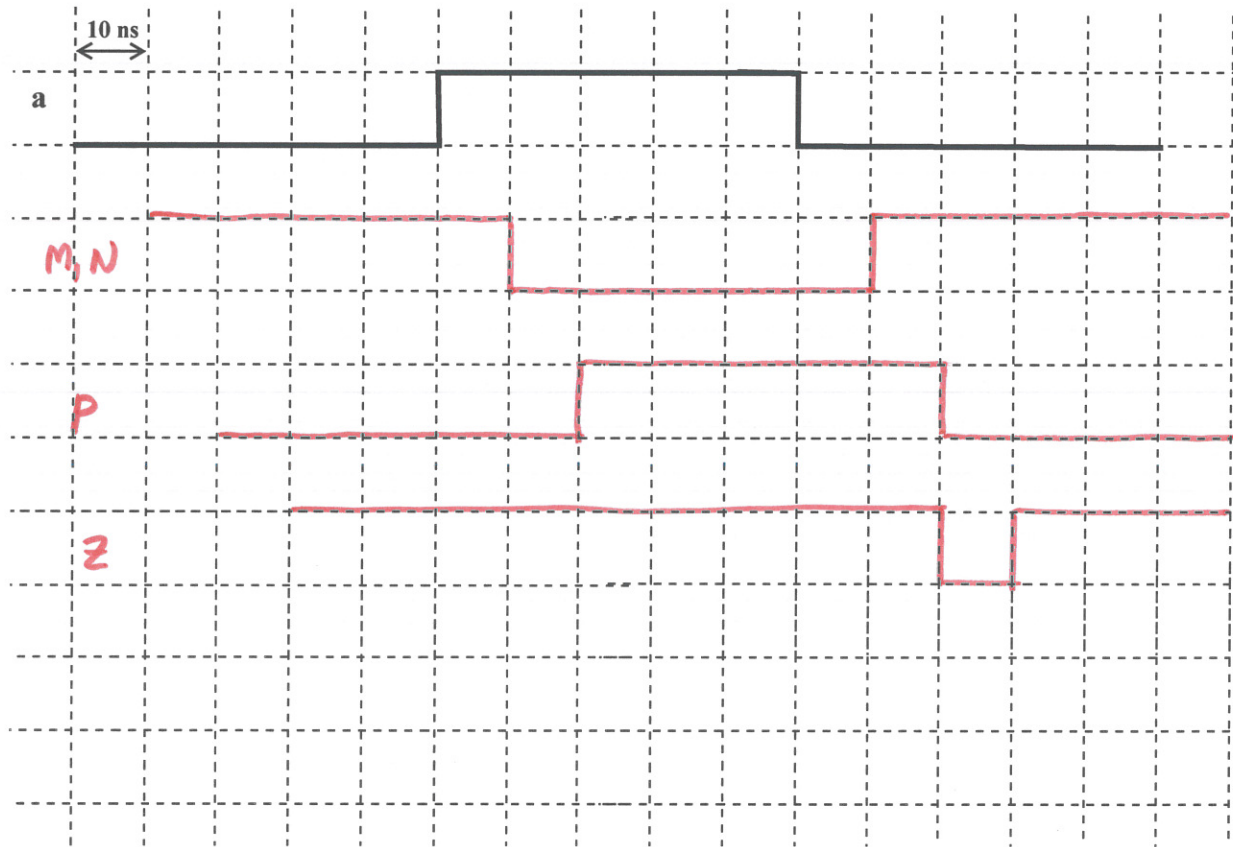
2) mapa de karnaugh

	ab				
	00	01	11	10	
cd	00	0	0	0	1
	01	1	1	0	1
	11	1	1	1	1
	10	0	0	1	1
	Z				

3) nº de niveles = 3

4) cronograma para $b=c=d=1$ y a como $b=1$, la rama superior del circuito queda anulada:





ASCII Hex Symbol		ASCII Hex Symbol		ASCII Hex Symbol		ASCII Hex Symbol		
0	0	NUL	16	10	DLE	32	20 (space)	
1	1	SOH	17	11	DC1	33	21 !	
2	2	STX	18	12	DC2	34	22 "	
3	3	ETX	19	13	DC3	35	23 #	
4	4	EOT	20	14	DC4	36	24 \$	
5	5	ENQ	21	15	NAK	37	25 %	
6	6	ACK	22	16	SYN	38	26 &	
7	7	BEL	23	17	ETB	39	27 '	
8	8	BS	24	18	CAN	40	28 (
9	9	TAB	25	19	EM	41	29)	
10	A	LF	26	1A	SUB	42	2A *	
11	B	VT	27	1B	ESC	43	2B +	
12	C	FF	28	1C	FS	44	2C ^	
13	D	CR	29	1D	GS	45	2D _	
14	E	SO	30	1E	RS	46	2E .	
15	F	SI	31	1F	US	47	2F /	
48	30	0	48	30	0	48	30	0
49	31	1	49	31	1	49	31	1
50	32	2	50	32	2	50	32	2
51	33	3	51	33	3	51	33	3
52	34	4	52	34	4	52	34	4
53	35	5	53	35	5	53	35	5
54	36	6	54	36	6	54	36	6
55	37	7	55	37	7	55	37	7
56	38	8	56	38	8	56	38	8
57	39	9	57	39	9	57	39	9
58	3A	:	58	3A	:	58	3A	:
59	3B	;	59	3B	;	59	3B	;
60	3C	<	60	3C	<	60	3C	<
61	3D	=	61	3D	=	61	3D	=
62	3E	>	62	3E	>	62	3E	>
63	3F	?	63	3F	?	63	3F	?
64	40	@	80	50	P	96	60	`
65	41	A	81	51	Q	97	61	a
66	42	B	82	52	R	98	62	b
67	43	C	83	53	S	99	63	c
68	44	D	84	54	T	100	64	d
69	45	E	85	55	U	101	65	e
70	46	F	86	56	V	102	66	f
71	47	G	87	57	W	103	67	g
72	48	H	88	58	X	104	68	h
73	49	I	89	59	Y	105	69	i
74	4A	J	90	5A	Z	106	6A	j
75	4B	K	91	5B	[107	6B	k
76	4C	L	92	5C	\	108	6C	l
77	4D	M	93	5D]	109	6D	m
78	4E	N	94	5E	^	110	6E	n
79	4F	O	95	5F	_	111	6F	o
112	70	p	112	70	p	112	70	p
113	71	q	113	71	q	113	71	q
114	72	r	114	72	r	114	72	r
115	73	s	115	73	s	115	73	s
116	74	t	116	74	t	116	74	t
117	75	u	117	75	u	117	75	u
118	76	v	118	76	v	118	76	v
119	77	w	119	77	w	119	77	w
120	78	x	120	78	x	120	78	x
121	79	y	121	79	y	121	79	y
122	7A	z	122	7A	z	122	7A	z
123	7B	{	123	7B	{	123	7B	{
124	7C		124	7C		124	7C	
125	7D	}	125	7D	}	125	7D	}
126	7E	~	126	7E	~	126	7E	~
127	7F	DEL	127	7F	DEL	127	7F	DEL