



intrări AP			ieșiri AP						
Nr. m	Reprez. binară	caract. alfan.	a	b	c	d	e	f	g
0	0 0 0	A	1	1	1	1	1	1	1
1	0 0 1	C	1	.	.	1	1	1	.
2	0 1 0	E	1	.	.	1	1	1	1
3	0 1 1	F	1	.	.	.	1	1	1
4	1 0 0	H	.	1	1	.	1	1	1
5	1 0 1	X	1	1	1	1	1	.	.
6	1 1 0	L	.	.	.	1	1	1	.
7	1 1 1	P	1	1	.	.	1	1	1
x y z									

a)									
\bar{x}	x								
0	1	1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1
3	0	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1
5	0	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1
7	0	1	1	1	1	1	1	1	1
		\bar{z}	z	\bar{z}	z	\bar{z}	z	\bar{z}	z

$a = \bar{x} + x \cdot z$

b)									
\bar{x}	x								
0	1	1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1
3	0	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1
5	0	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1
7	0	1	1	1	1	1	1	1	1
		\bar{z}	z	\bar{z}	z	\bar{z}	z	\bar{z}	z

$b = x \cdot z + \bar{y} \cdot \bar{z}$

c)									
\bar{x}	x								
0	1	1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1
3	0	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1
5	0	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1
7	0	1	1	1	1	1	1	1	1
		\bar{z}	z	\bar{z}	z	\bar{z}	z	\bar{z}	z

$c = x \bar{y} + \bar{y} \cdot \bar{z}$

d)									
\bar{x}	x								
0	1	1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1
3	0	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1
5	0	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1
7	0	1	1	1	1	1	1	1	1
		\bar{z}	z	\bar{z}	z	\bar{z}	z	\bar{z}	z

$d = \bar{y} \cdot z + y \cdot \bar{z}$

e)									
\bar{x}	x								
0	1	1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1
3	0	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1
5	0	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1
7	0	1	1	1	1	1	1	1	1
		\bar{z}	z	\bar{z}	z	\bar{z}	z	\bar{z}	z

$e = 1$

f)									
\bar{x}	x								
0	1	1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1
3	0	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1
5	0	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1
7	0	1	1	1	1	1	1	1	1
		\bar{z}	z	\bar{z}	z	\bar{z}	z	\bar{z}	z

$f = \bar{x} + y \cdot x + x \cdot \bar{z}$

g)									
\bar{x}	x								
0	1	1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1
3	0	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1
5	0	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1
7	0	1	1	1	1	1	1	1	1
		\bar{z}	z	\bar{z}	z	\bar{z}	z	\bar{z}	z

$g = x \cdot \bar{y} \cdot \bar{z} + \bar{x} \cdot y + y \cdot z$

Rezultatele au fost I₁, I₂, I₃
(x=I₁, y=I₂, z=I₃)

$$a = \bar{I}_1 + I_1 \cdot I_3$$

$$b = I_1 \cdot I_3 + \bar{I}_2 \cdot \bar{I}_3$$

$$c = I_1 \cdot \bar{I}_2 + \bar{I}_2 \cdot \bar{I}_3$$

$$d = \bar{I}_2 \cdot I_3 + I_2 \cdot \bar{I}_3$$

$$e = 1$$

$$f = \bar{I}_1 + I_2 \cdot I_1 + I_1 \cdot \bar{I}_3$$

$$g = I_1 \cdot \bar{I}_2 \cdot \bar{I}_3 + \bar{I}_1 \cdot I_2 + I_2 \cdot I_3$$