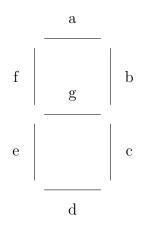
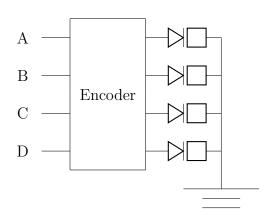
## Laborator Proiectare Logică 7

Sîrghe Matei

November 27, 2024

## Encoder





A	В	С	D	a	b	c	d	е	f	g
0	0	0	0	1	1	1	1	1	1	0
0	0	0	1	0	1	1	0	0	0	0
0	0	1	0	1	1	0	1	1	0	1
0	0	1	1	1	1	1	1	0	0	1
0	1	0	0	0	1	1	0	0	1	1
0	1	0	1	1	0	1	1	0	1	1
0	1	1	0	1	0	1	1	1	1	1
0	1	1	1	1	1	1	0	0	0	0
1	0	0	0	1	1	1	1	1	1	1
1	0	0	1	1	1	1	1	0	1	1
1	0	1	0	1	1	1	0	1	1	1
1	0	1	1	0	0	1	1	1	1	1
1	1	0	0	1	0	1	1	1	1	0
1	1	0	1	0	1	1	1	1	0	1
1	1	1	0	1	0	1	1	1	1	1
1	1	1	1	1	0	0	0	1	1	1

$$a = A\bar{B}\bar{C} + \bar{A}C + BC + A\bar{C}\bar{D} + \bar{B}\bar{D} + \bar{A}BD$$

Optimizăm analog cu funcția a pentru celelalte segmente.