

LAB 4

- таблица со связанными атомами

i	A	B	C	D	a	b	c	d	e	f	g	o
0	0	0	0	0	1	1	1	1	1	1	0	0
1	0	0	0	1	0	1	1	0	0	0	0	0
2	0	0	1	0	1	1	0	1	1	0	1	0
3	0	0	1	1	1	1	1	1	0	0	1	0
4	0	1	0	0	0	1	1	0	0	1	1	0
5	0	1	0	1	1	0	1	1	0	1	1	0
6	0	1	1	0	1	0	1	1	1	1	1	0
7	0	1	1	1	1	1	1	0	0	0	0	0
8	1	0	0	0	1	1	1	1	1	1	1	0
9	1	0	0	1	1	1	1	1	0	1	1	0
10	1	0	1	0	1	0	0	1	1	1	1	0
11	1	0	1	1	1	0	0	1	1	1	1	0
12	1	1	0	0	1	0	0	1	1	1	1	0
13	1	1	0	1	1	0	0	1	1	1	1	0
14	1	1	1	0	1	0	0	1	1	1	1	0
15	1	1	1	1	1	0	0	1	1	1	1	0

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

AB \ CD	00	01	11	10
00	1		1	1
01		1	1	1
11	1	1	1	1
10	1	1	1	1

$$b = \bar{A}\bar{C}\bar{D} + \bar{A}C\bar{D} + \bar{A}\bar{B} + \bar{B}\bar{C}$$

AB \ CD	00	01	11	10
00	1	1	1	1
01	1		1	
11				
10	1	1		

$$c = \bar{B}\bar{C} + \bar{A}D + \bar{A}B$$

AB \ CD	00	01	11	10
00	1	1	1	
01	1	1	1	1
11				
10	1	1		

$$d = A + \bar{b}\bar{D} + C\bar{D} + \bar{B}C + \bar{B}C\bar{D}$$

AB \ CD	00	01	11	10
00	1		1	1
01	1	1		1
11	1	1	1	1
10	1	1	1	1

$$e = AB + C\bar{D} + AC + \bar{B}\bar{D}$$

AB \ CD	00	01	11	10
00	1		1	1
01				1
11	1	1	1	1
10	1	1	1	1

$$f = A + \bar{C}\bar{D} + \bar{B}\bar{C} + \bar{B}\bar{D}$$

AB \ CD	00	01	11	10
00	1		1	1
01	1	1		1
11	1	1	1	1
10	1	1	1	1

$$g = A + C\bar{D} + \bar{B}C + \bar{B}\bar{C}$$

AB \ CD	00	01	11	10
00		1	1	1
01	1	1		1
11	1	1	1	1
10	1	1	1	1