

g

a	b	c	d	f
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	0
0	1	0	0	1
0	1	0	1	0
0	1	1	0	1
0	1	1	1	1
1	0	0	0	0
1	0	0	1	1
1	0	1	0	0
1	0	1	1	0
1	1	0	0	0
1	1	0	1	1
1	1	1	0	1
1	1	1	1	0

И-НЕ

a b c d

a	b	c	d
00	01	11	10
00	11	11	10
01	11	11	10
11	11	11	10
10	11	11	10

0	1	X	0
0	1	X	
X	0	0	1
1	X	0	1
1	0	X	1

$$\bar{a}\bar{b}\bar{c}d \vee \bar{a}b\bar{c}d \vee \bar{a}b\bar{c}\bar{d} \vee a\bar{b}\bar{c}d \vee a\bar{b}\bar{c}\bar{d} =$$

$$= \bar{a}\bar{b}(\bar{c}d \vee \bar{c}\bar{d}) \vee a\bar{b}(\bar{c}d \vee \bar{c}\bar{d}) =$$

$$\bar{a}\bar{b}(\bar{c}d \vee \bar{c}\bar{d}) =$$

$$\bar{a}\bar{b}(\bar{c}d \vee \bar{c}\bar{d}) = \bar{a}\bar{b}\bar{c}d \vee \bar{a}\bar{b}\bar{c}\bar{d} =$$

$$\bar{c}d \vee \bar{c}\bar{d} = \bar{c}(d \vee \bar{d}) = \bar{c}$$

$$\bar{a}\bar{b}\bar{c}d \vee a\bar{b}\bar{c}d \vee \bar{a}\bar{b}\bar{c}\bar{d} \vee a\bar{b}\bar{c}\bar{d} =$$

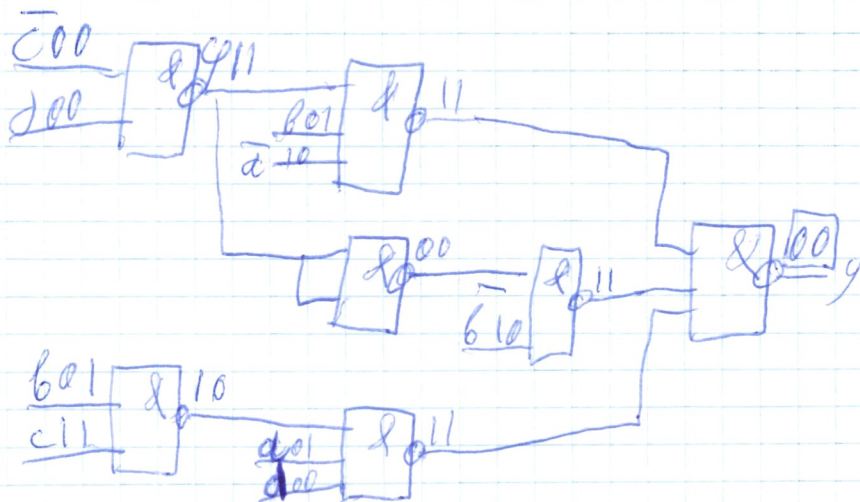
$$= \bar{a}\bar{b}\bar{c}d \vee a\bar{b}\bar{c}d \vee \bar{a}\bar{b}\bar{c}\bar{d} \vee a\bar{b}\bar{c}\bar{d} =$$

$$= (\bar{a} \vee a)(\bar{b} \vee a)(\bar{c} \vee d) =$$

$$\bar{c}d \vee \bar{c}\bar{d} = \bar{c}$$



a	b	c	d
0	0	1	0
0	0	1	1
1	1	1	0



- 1) если МКНФ состоит из одного терма (хотя бы одной литерал) (пример: $x_1 \vee \bar{x}_2$)
- 2) из нескольких термов без литерал (пример: $(x_1 \vee x_2)(x_3 \vee x_4)$)