

$$10) \overline{B}C\overline{D} + \overline{A}\overline{C} + \overline{A}B\overline{D}$$

	A	B	C	D	F <sub>1</sub>	F <sub>2</sub>	F <sub>3</sub>	F <sub>4</sub>
0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	0	0	0
2	0	0	1	0	0	0	0	0
3	0	0	1	1	0	0	0	0
4	0	1	0	0	0	0	0	0
5	0	1	0	1	1	0	0	0
6	0	1	1	0	0	0	0	1
7	0	1	1	1	0	0	0	0
8	1	0	0	0	0	0	0	0
9	1	0	0	1	0	0	0	0
10	1	0	1	0	0	1	0	0
11	1	0	1	1	0	1	0	0
12	1	1	0	0	0	0	0	0
13	1	1	0	1	1	0	0	0
14	1	1	1	0	0	1	0	0
15	1	1	1	1	0	1	0	0

C D H F 5

1	0	1	0
0	1	0	1
0	0	0	0
1	1	1	1

Старцев

6872

7 бар.  $BC + ABC + \bar{A}BC$

Барыров 6872

$\bar{D}$	A	B	C	D	$F_1$	$F_2$	$F_3$	$\Sigma$
0 1	0	0	0	0	0	0	0	0
1 2	0	0	0	1	0	0	0	0
2 3	0	0	1	0	0	0	0	0
3 4	0	0	1	1	0	0	0	0
4 5	0	1	0	0	0	0	0	0
5 6	0	1	0	1	0	0	0	0
6 7	0	1	1	0	1	0	0	1
7 8	0	1	1	1	1	0	0	1
8 9	1	0	0	0	0	0	0	0
9 10	1	0	0	1	0	0	0	0
10 11	1	0	1	0	0	0	1	1
11 12	1	0	1	1	0	0	1	1
12 13	1	1	0	0	0	1	0	1
13 14	1	1	0	1	0	1	0	1
14 15	1	1	1	0	1	0	0	1
15	1	1	1	1	1	0	0	1

CDHF  $F(ABC\bar{D}) = \bar{A}BC\bar{D} + \bar{A}BCD + A\bar{B}C\bar{D} + A\bar{B}CD + A\bar{B}C\bar{D} + A\bar{B}CD + ABC\bar{D} + ABCD$

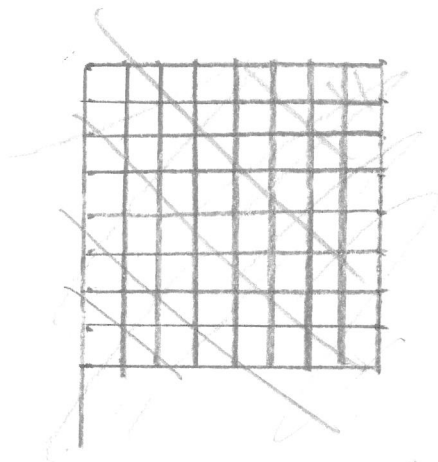
CKHF  $F(ABC\bar{D}) = \overline{ABC\bar{D}} + (\bar{A} + \bar{B} + \bar{C} + \bar{D})(\bar{A} + \bar{B} + \bar{C} + D)(\bar{A} + \bar{B} + C + \bar{D})(\bar{A} + \bar{B} + C + D)(\bar{A} + B + \bar{C} + D) \cdot (A + \bar{B} + \bar{C} + \bar{D})(A + \bar{B} + \bar{C} + D)(\bar{A} + B + C + D)$

		$\overbrace{\hspace{1cm}}^C$		$\overbrace{\hspace{1cm}}^A$	
		0	2	10	8
		1	3	11	9
		5	7	15	13
		4	6	14	12
$B$	$D$				

$$g_{Bep} = \underbrace{A \bar{B}}_{F_1} + \underbrace{BCD}_{F_2} + \underbrace{\bar{A} D}_{F_3}$$

кросс А. Д. 6Р72

N	A	B	C	D	F <sub>1</sub>	F <sub>2</sub>	F <sub>3</sub>	Σ F <sub>i</sub>
0	0	0	0	0	0	0	1	1
1	0	0	0	1	0	0	0	0
2	0	0	1	0	0	0	1	1
3	0	0	1	1	0	0	0	0
4	0	1	0	0	0	0	1	1
5	0	1	0	1	0	0	0	0
6	0	1	1	0	0	0	1	1
7	0	1	1	1	0	1	0	1
8	1	0	0	0	1	0	1	1
9	1	0	0	1	1	0	0	1
10	1	0	1	0	1	0	1	1
11	1	0	1	1	1	0	0	1
12	1	1	0	0	0	0	1	1
13	1	1	0	1	0	0	0	0
14	1	1	1	0	0	0	1	1
15	1	1	1	1	0	1	0	1



CKHP  $\xrightarrow{A}$   $\xrightarrow{C}$

B ↓

10	2	0	
12	14	6	4
13	15	7	5
3	11	9	1

D ↓

CDHP


№7-транскрипция

Файзиев Г 6872

$$BC + AB\bar{C} + A\bar{B}C = \bar{B}\bar{C} + \bar{A}\bar{B}C + \bar{A}B\bar{C}$$

	A	B	C	F <sub>1</sub>
0	0	0	0	
1	0	0	0	
2	0	0	1	
3	0	0	1	
4	0	1	0	
5	0	1	0	
6	0	1	1	
7	0	1	1	
8	1	0	0	
9	1	0	0	
10	1	0	1	
11	1	0	1	
12	1	1	0	
13	1	1	0	
14	1	1	1	
15	1	1	1	

	A	B	C	F <sub>1</sub>	F <sub>2</sub>	F <sub>3</sub>	F
0	0	0	0	1	0	0	1
1	0	0	1	0	1	0	1
2	0	1	0	0	0	1	1
3	0	1	1	0	0	0	0
4	1	0	0	1	0	0	1
5	1	0	1	0	0	0	0
6	1	1	0	0	0	0	0
7	1	1	1	0	0	0	0

A  
C

	0	1	4
B	2		

$$\underbrace{ABC}_{F_1} + \underbrace{AB}_{F_2}$$


$$\sqrt{G_{\text{трасс.}}} : A\bar{B}C + A\bar{B}\bar{D} + \bar{A}\bar{B}\bar{D} = \bar{A}\bar{B}C + \bar{A}\bar{B}\bar{D} + ABD$$

	A	B	C	D	$\bar{A}\bar{B}C$ F <sub>1</sub>	$\bar{A}\bar{B}\bar{D}$ F <sub>2</sub>	$ABD$ F <sub>3</sub>	$\oplus$ F <sub>4</sub>
0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	1	0	1
2	0	0	1	0	0	0	0	0
3	0	0	1	1	0	1	0	1
4	0	1	0	0	1	0	0	1
5	0	1	0	1	1	1	0	1
6	0	1	1	0	0	0	0	0
7	0	1	1	1	0	1	0	1
8	1	0	0	0	0	0	0	0
9	1	0	0	1	0	0	0	0
10	1	0	1	0	0	0	0	0
11	1	0	1	1	0	0	0	0
12	1	1	0	0	0	0	0	0
13	1	1	0	1	0	0	1	1
14	1	1	1	0	0	0	0	0
15	1	1	1	1	0	0	1	1

Магистры В.  
6872

	A	B	C	D	F <sub>1</sub>	F <sub>2</sub>	F <sub>3</sub>	Σ	$A\bar{B}C + A\bar{D} + \bar{A}BD$ <small>ДНФ КНФ</small>
0	0	0	0	0	0	0	1	1	$\bar{A}\bar{B}\bar{C}\bar{D}$
1	0	0	0	1	0	0	0	0	$A+B+C+\bar{D}$
2	0	0	1	0	0	0	1	1	$\bar{A}\bar{B}C\bar{D}$
3	0	0	1	1	0	0	0	0	$A+B+\bar{C}+\bar{D}$
4	0	1	0	0	0	0	0	0	$A+\bar{B}+C+\bar{D}$
5	0	1	0	1	0	0	0	0	$A+\bar{B}+C+\bar{D}$
6	0	1	1	0	0	0	0	0	$A+\bar{B}+\bar{C}+\bar{D}$
7	0	1	1	1	0	0	0	0	$A+\bar{B}+\bar{C}+\bar{D}$
8	1	0	0	0	0	1	0	1	$\bar{A}BCD$
9	1	0	0	1	0	0	0	0	$\bar{A}+B+C+\bar{D}$
10	1	0	1	0	1	1	0	1	$A\bar{B}\bar{C}\bar{D}$
11	1	0	1	1	1	0	0	1	$A\bar{B}C\bar{D}$
12	1	1	0	0	0	1	0	1	$AB\bar{C}\bar{D}$
13	1	1	0	1	0	0	0	0	$AB\bar{C}\bar{D}$
14	1	1	1	0	0	1	0	1	$A+B+C+\bar{D}$
15	1	1	1	1	0	0	0	0	$A+B+C+\bar{D}$

сднф

				A
				C
				8
14	12			
		0		2
11	10			
				A
				C

← сднф

← скнф

взвешен.  
сумм.

скнф  
пр-е

3 верев 10  
6872

~~$BCD + AC + AB$~~

Упр. Трансформация.

Верстакова П  
6872  
A

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

№ / номер  
таблицы

	A	B	C	D
0	0	0	0	1
1	0	0	1	0
2	0	1	0	0
3	0	1	1	1
4	1	0	0	0

$F_1$   $F_2$   $F_3$   
неуже равен  
оригиналу.

1		
0	1	4
2	3	

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

	A	B	C	D	$F_1$	$F_2$	$F_3$	F
0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	0	0	0
2	0	0	1	0	0	0	0	0
3	0	1	0	0	0	0	0	0
4	1	0	0	0	0	0	0	0
5	1	1	0	0	0	0	0	0
6	1	0	1	0	1	0	0	1
7	1	0	0	1	0	1	0	1
8	0	0	1	1	0	0	0	0
9	0	1	0	1	0	0	1	1
10	0	1	1	0	0	0	0	0
11	1	1	1	0	0	0	0	0
12	0	1	1	1	0	0	0	0
13	1	0	1	1	0	0	0	0
14	1	1	0	1	0	1	1	1
15	1	1	1	1	0	0	0	0

A

3	10	11	5
9	12	15	14
1	8	13	7
0	2	6	4

B

Белков А.А. 6872

$$AC + B\bar{A}\bar{C}\bar{D} + BD\bar{A}$$

N°	A	B	C	D	F <sub>1</sub>	F <sub>2</sub>	F <sub>3</sub>	F
0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	0	0	0
2	0	0	1	0	0	0	0	0
3	0	1	0	0	0	0	0	0
4	1	0	0	0	0	0	0	0
5	0	1	0	1	0	0	1	1
6	0	1	1	0	0	0	0	0
7	0	1	1	1	0	0	1	1
8	1	1	1	1	1	0	0	1
9	1	1	0	0	1	1	0	1
10	1	1	1	0	1	0	0	1
11	0	1	1	1	0	0	1	1
12	1	1	0	0	1	0	0	1
13	0	0	1	1	0	0	0	0
14	1	0	1	0	0	0	0	0
15	1	0	0	1	1	0	0	1



10)  $\text{Exp}^T B\bar{C}D + AC + A\bar{B}D$  Супер ВА. 6872

	A	B	C	D	$F_1$	$F_2$	$F_3$
0	0	0	0	0	0	0	0
1	0	0	0	1	0	0	0
2	0	0	1	0	0	0	0
3	0	0	1	1	0	0	0
4	0	1	0	0	0	0	0
5	0	1	0	1	1	0	0
6	0	1	1	0	0	0	0
7	0	1	1	1	0	0	0
8	1	0	0	0	0	0	0
9	1	0	0	1	0	0	1
10	1	0	1	0	0	1	0
11	1	0	1	1	0	1	1
12	1	1	0	0	0	0	0
13	1	1	0	1	1	0	0
14	1	1	1	0	0	1	0
15	1	1	1	1	0	1	0

$F_K$
0
0
0
0
0
1
0
0
0
0
1
1
1
0
1
1
1

$F_K C D H F$  A

0	0	1	0
0	0	1	1
1	0	1	1
0	0	1	0

D | B

$F_K C K H F$   $\bar{A}$

1	1	0	1
1	1	0	0
0	1	0	0
1	1	0	1

$\bar{D}$  |  $\bar{B}$

$F_1 C D H F$

0	0	0	0
0	0	0	0
1	0	0	1
0	0	0	0

B | B

$F_2 C D H F$


B | B

$F_3 C D H F$
