

Даминский В. О. 117-93.

1	2	3	Fig. № заб.
		✓	1
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	✓		4
✓			5

!! — fdd 21

$$\begin{aligned}
 2. Y &= (\bar{A}\bar{B}\bar{C} \vee \bar{B}\bar{C})(\bar{B}\bar{C} \vee \bar{C}\bar{A}\bar{D}) = \bar{B}\bar{C}(\bar{B}\bar{C} \vee \bar{C}\bar{A}\bar{D}) \\
 &= \bar{B}\bar{C} \vee \bar{B}\bar{C}\bar{A}\bar{D} = \bar{B}\bar{C}
 \end{aligned}$$

A	B	C	D	Y
0	0	0	0	1
0	0	0	1	1
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0

A	B	C	D	Y
1	0	0	0	1
1	0	0	1	1
1	0	1	0	0
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

$$\begin{aligned}
 3. Y_{\text{group}} &= \bar{X}_4 \bar{X}_3 \bar{X}_2 \bar{X}_1 \vee \bar{X}_4 \bar{X}_3 X_2 \bar{X}_1 \vee \\
 &\vee \bar{X}_4 X_3 X_2 \bar{X}_1 \vee \bar{X}_4 X_3 X_2 X_1 \vee \\
 &\vee X_4 \bar{X}_3 X_2 \bar{X}_1 \vee X_4 \bar{X}_3 X_2 X_1 \vee \\
 &\vee X_4 X_3 X_2 \bar{X}_1
 \end{aligned}$$