вариант 1.

(1) Заходировать 100 1

Здесь 
$$K = 4 = \sum_{i=0}^{n} C_m^i$$
 , возый  $m=3$  (так, глобы  $2^m \ge k$ ) и переобрам  $r$ 
 $r=0: k=C_s^0 = 1 \ne 4$ 
 $r=1: k=C_s^0 + C_s^1 = 1 + 3 = 4 \Longrightarrow uchologique RM(1,3)$ 

Иумен мн-н.  $f(X_1, X_2, X_3) = C_3 X_3 + C_4 X_2 + C_4 X_5 + C_6 = \begin{bmatrix} C_5 = 1 \\ C_5 = 0 \\ C_5 = 1 \end{bmatrix} = X_3 + 1$ 

Телерь Таблица истинности:  $X_3 X_2 X_1 f$ 
 $\begin{cases} 0 & 0 & 1 \\ 1 & 0 & 1 \\ 0 & 0 & 1 \\ 1 & 0 & 1 \\ 0 & 0 & 1 \\ 1 & 0 & 1 \\ 0 & 0 & 1 \\$ 

2 Denogyroboto 1010, 
$$RM(1,2)$$
, orandor reet.

Uchologyetch  $RM(1,2)$ , zhazut  $f(X_1, X_2) = C_2X_2 + C_4X_4 + C_6$ 

Dana Tadauga uctuhhocta:

$$\frac{X_2 X_1}{0 \ 0} f = C_6$$

$$0 1 0 0$$

$$1 = C_6$$

$$1 = C_6 + C_4$$

$$1 = C_6 + C_2$$

$$1 = C_6 + C_1$$

$$0 = C_6 + C_1 + C_2$$

1.10

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(3) Denogupobato 1101 1010, RM(1,3), Sura occurona
                                                                                                                                                                                                                             X_3 X_2 X_3 X_4 X_5 X_5 X_7 X_7
                       Mnororset: f(X_1, X_2, X_3) = C_3 X_3 + C_2 X_2 + C_4 X_4 + C_6;
To diaga actarrecta (c ound rama):
                         A = \{1\}; V_{A} = \{000, 001\}; V_{\overline{A}} = \{000, 010, 100, 110\}
                                                   (V_A + 000) = \{000, 001\}; Y_{000} + Y_{001} = 1 + 1 = 0
                                                                                                                                                                                                                                   1. O. O. 1/100 = 1
                                                  (Vx+010)={010,011}: 4010+4011=0+1=1 | 6 noge Scina oundria,
                                                                                                                                                                                                                                   1. 0. 1. Y<sub>101</sub> = 0
                                                (V_A + 100) = \{100, 101\}; V_{100} + V_{101} = 1 + 0 = 1 ho equalso (V_A + 110) = \{110, 111\}; V_{110} + V_{111} = 1 + 0 = 1 for V_{010} = 1
                                                                                                                                                                                                                                   1 1 0 | Y110=1
1 1 1 | Y111=0
                                                                                                                               \mathcal{U}_{\xi \uparrow \xi} = 1 \longrightarrow C_{4} = 1
                            A = \{2\}; V_A = \{0.00, 0.10\}; V_{\overline{A}} = \{0.00, 0.01, 1.00, 1.01\}
                                           (V_A + 000); Y_{000} + Y_{010} = 1 + 0 = 1

(V_A + 001); Y_{001} + Y_{011} = 1 + 1 = 0
                                                                                                                                                                                                                                                                                 4000=1
                                              (VA +100) ; Y100 + Y100 = 1+1=0
                                                                                                                                                                                                                                                                                Y001 = 1
                                                                                                                                                                                                                                                                              .y. = 0
1010.
                                                You = 1
                           A= {3}; V4; V= = {000, 001, 010, 011}
                                                                                                                                                                                                                                                                               4101 = 0

\begin{cases}
000, & y_{000} & y_{001} & y_{010} & y_{011} \\
100; & t & t & t \\
100; & y_{100} & y_{101} & y_{110} & y_{111} \\
0 & 1 & 1 & 1 & 1 \\
0 & 1 & 1 & 1 & 1
\end{cases}

\mathcal{C}_{\xi3} = 1 \Longrightarrow C_3 = 1

                                                                                                                                                                                                                                                                            1/110=1
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to be continued...

$$y = EVal(X_1 + X_3) = \begin{cases}
0.0 & 0.0 & 1 & 0.0 \\
0.0 & 0.0 & 1 & 0.0 \\
0.0 & 1.0 & 0.0 \\
0.0 & 1.0 & 0.0 \\
0.0 & 1.0 & 0.0
\end{cases}$$

$$\frac{1}{1} = 0 ; A = \emptyset ; V_A = \begin{cases}
0.00 & 0.01 & 0.01 & 0.00 & 0.01 \\
0.0 & 0.0 & 0.01 & 0.00 & 0.01
\end{cases}$$

$$V_A = \begin{cases}
0.00 & 0.01 & 0.01 & 0.00 & 0.01 & 0.00 & 0.01 \\
0.0 & 0.0 & 0.0 & 0.00 & 0.00
\end{cases}$$

$$V_A = \begin{cases}
0.00 & 0.01 & 0.00 & 0.01 & 0.00 & 0.01 & 0.00 & 0.01 \\
0.0 & 0.0 & 0.0 & 0.0 & 0.00
\end{cases}$$

$$V_A = \begin{cases}
0.00 & 0.01 & 0.01 & 0.00 & 0.01 & 0.00 & 0.01 & 0.00 \\
0.0 & 0.0 & 0.0 & 0.0 & 0.00
\end{cases}$$

$$V_A = \begin{cases}
0.00 & 0.01 & 0.01 & 0.00 & 0.01 & 0.00 & 0.01 & 0.00 & 0.01 \\
0.0 & 0.0 & 0.0 & 0.0 & 0.00
\end{cases}$$

$$U_{T02}: f(X_1, X_2, X_3) = C_3 X_3 + C_2 X_2 + C_1 X_1 + C_0 = 0$$

$$= 1 X_3 + 0 X_2 + 1 X_1 + 0$$

$$= C_{3}X_{3} + C_{2}X_{2} + C_{1}X_{1} + C_{0} =$$

$$= 1X_{3} + 0X_{2} + 1X_{1} + 0$$

Bapuait 2, peinerin 6 oging cornorky (horra) Konnob Ulia (9) Banoquepobato 01.01 Ucnouszyen RM(2,2) — Bospongenia (2) Denogupoba 76 0110, RM (1,2). ( araiozurro Cap. 1, 100 Ta CARY nemaetra uyaTro) Otbet: 110

3) Deroguepo bato 1111 0100; RM(1,3).

Yragaeu Rog 1111 0000; cootbet ct byet  $f(X_1, X_2, X_3) = X_3 + 1$ DH Suyro u prabus brau  $\Longrightarrow$  otbet 1001 (u a he nogrusobbas)

b otbetu