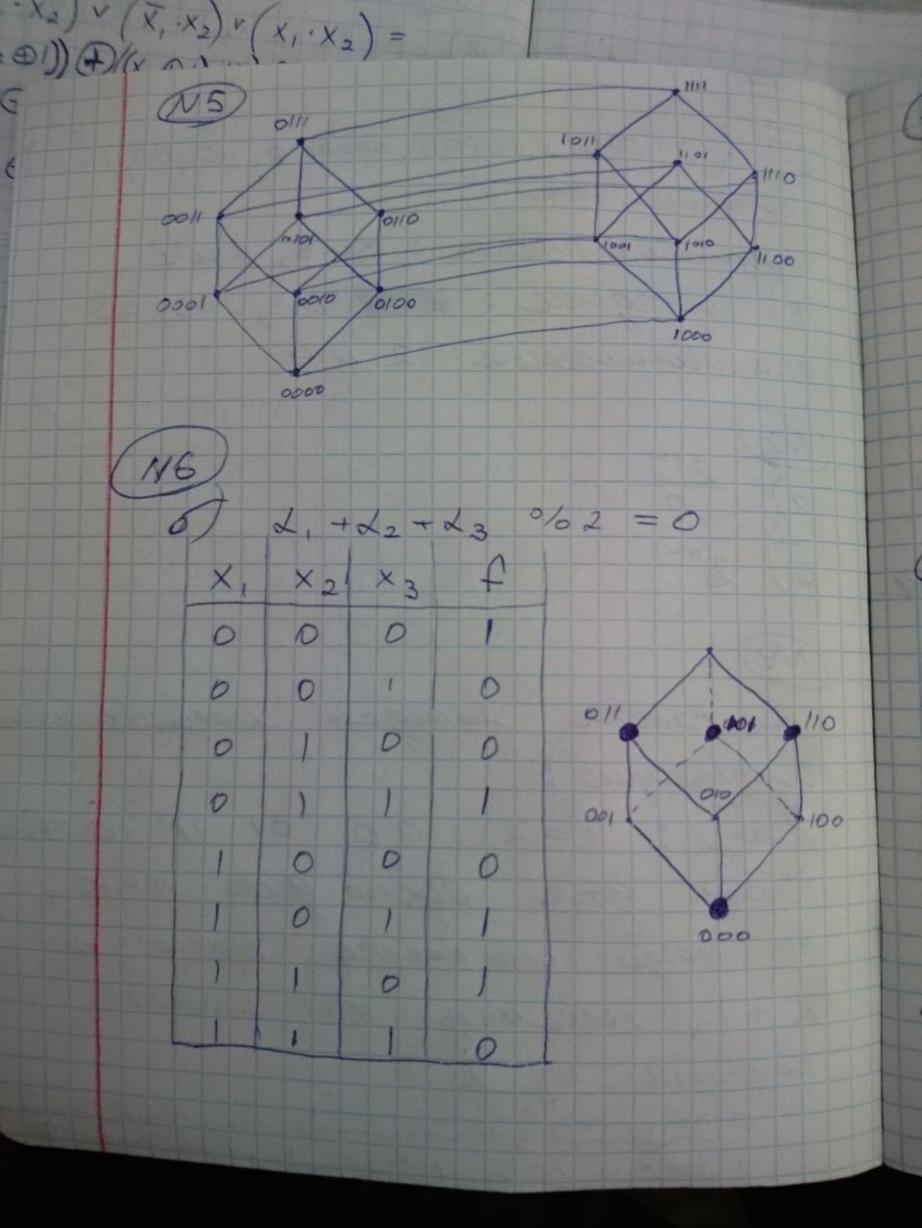
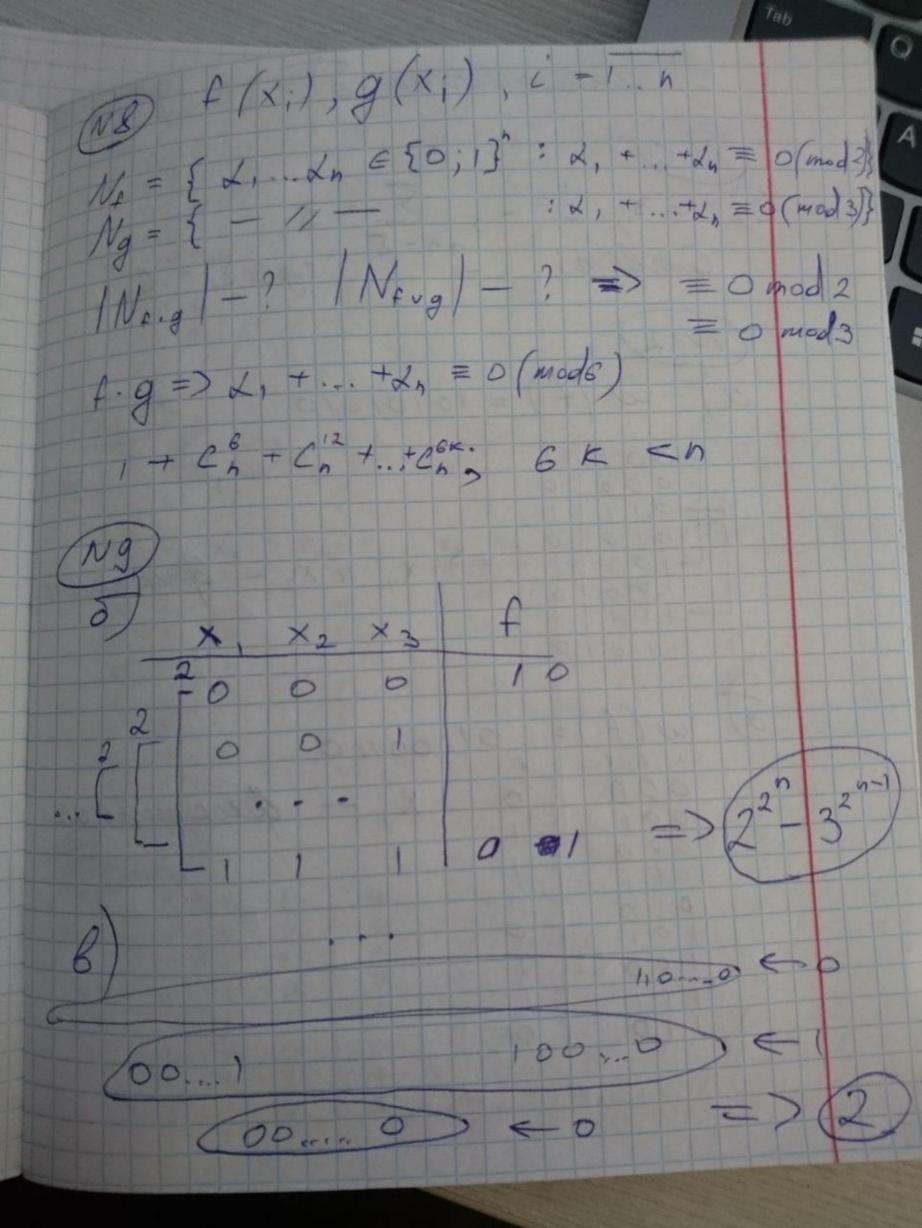
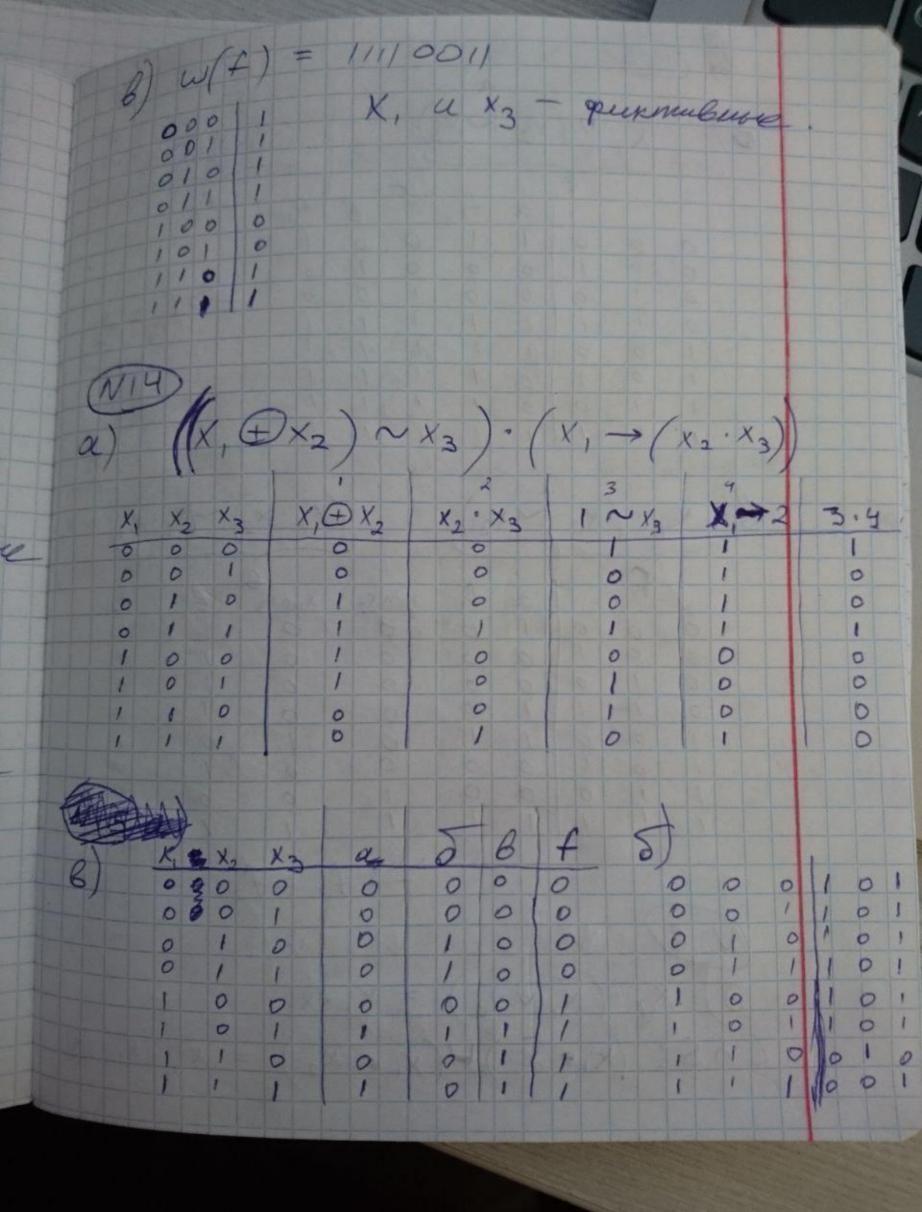
(N) (0/0/01, 1/00/1,000000, 00/100, 11/11) cocequie : Hem Manuboharoneribe: 345, 244 b) cocequue: # 143, 243, 143 противоположение: 2 и 4 $\binom{N2}{a}$ 2^{n-1} 07 27-1 NY) Dopancen nemogon manenamente ungen segue : barse: n=2.00 01 11 10-legus Пусть утв. ворно дия п = к но могда оно макте верно для K+1, rockousky K+1 monero honymans uz K: 000---000, 000.-- 1 ..., 0,000 1 100 K -- 9 ... 1 K00 ... 1, 7





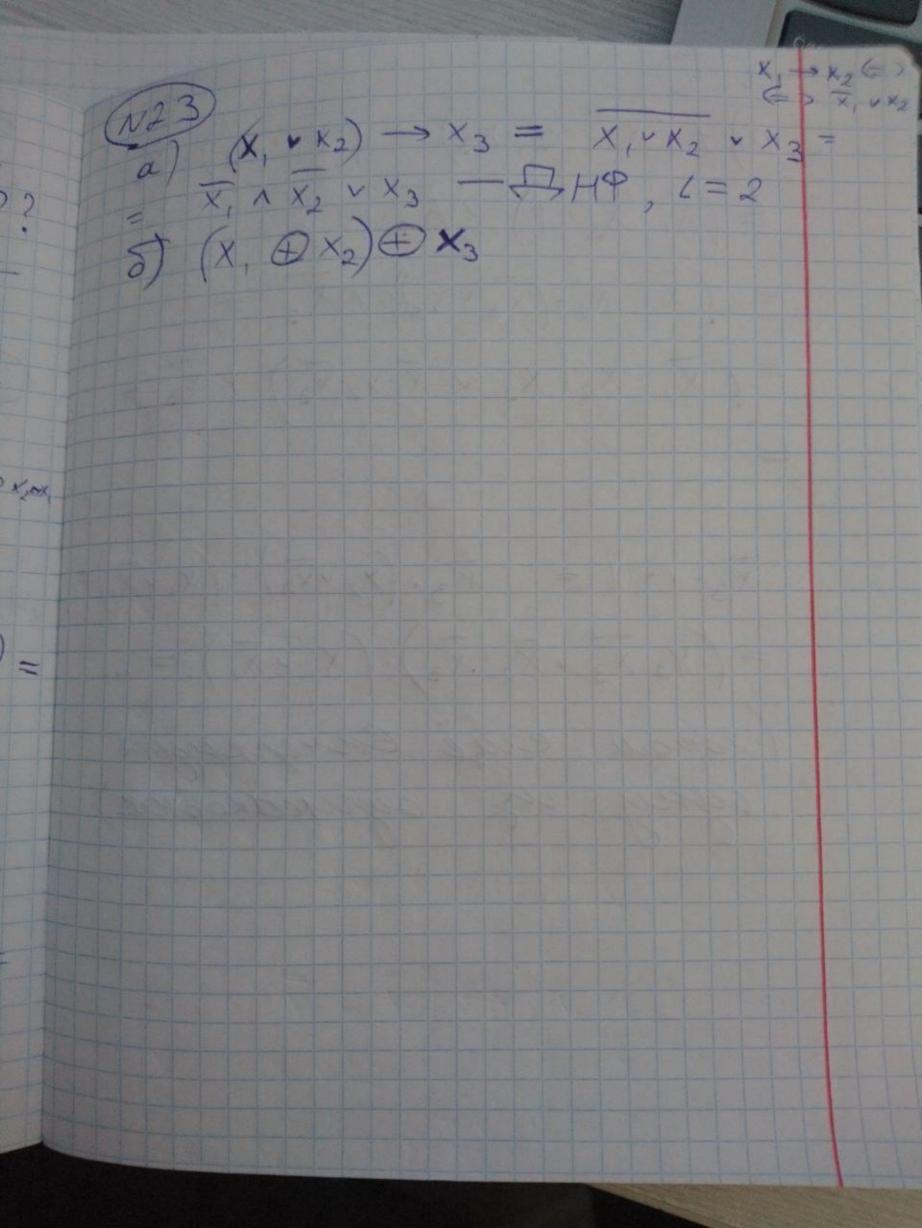
· X) V (V.X) V/V.V 2) anaworever S). S) n=3, i=2, $\Sigma=3$ Ombem: $2^{n-\Sigma}$, $2ge \Sigma - C_n^i$ (N12) a) w(f) = 10101010 => X, u X2 - Gerenobuse w (f) = 01100110 Х, - фиктивная 001 100



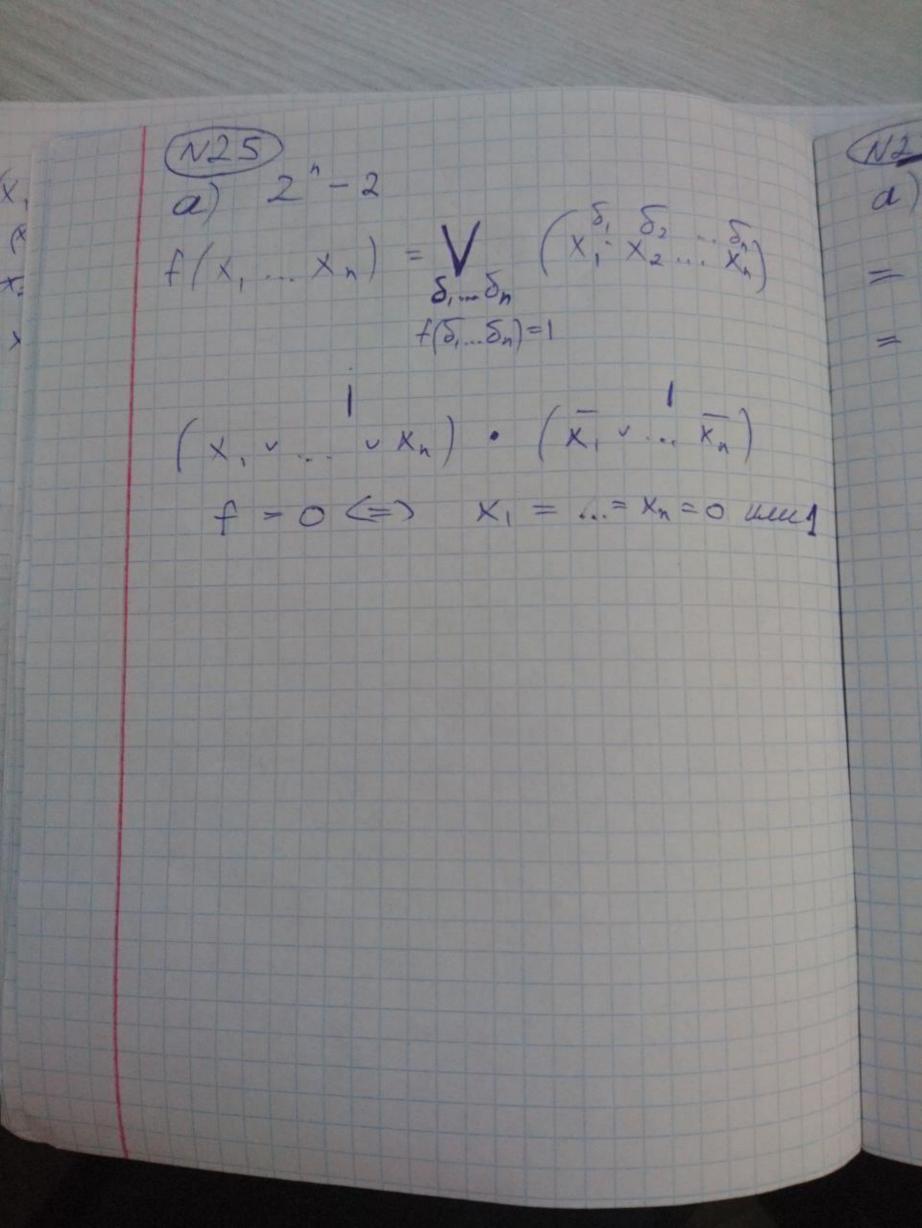
· (X2~X3) (X, K, AX2 5) x, ·(x, vx2) = LAS: (x, , x,) ~ (x, , x2)

B) X, V(X, -X2) = X, VX2. (15 = (x, vx,) · (x, vx2) = x, vx2 2) $(X_1 \cdot X_2 \rightarrow X_1) \rightarrow X_2 = X_1 \rightarrow X_2$ (N 3) 8) X, X2 ... Xn = X, VX2 V ... VXn по индукции, отевидно B) x, vx2 v... x, = (x, 01) · (x, 01) · (x, 01) · ... () $MHU:X, = (x, \oplus 1) \oplus 1$ 0 = 1 1 - Bepulo. $X, \vee X_2 = (X, \oplus 1) \cdot (X_2 \oplus 1) \oplus 1$ $A = X_1 \vee \dots \vee X_{n-1} = (X_n \oplus 1) \cdot () \cdot \dots \vee (X_n \oplus 1) \cdot ()$ $A \vee X_n = A \cdot (X_n \oplus 1) \boxtimes$ (N18) 8) (X, VX2) -> (X, VX3) $X_1 \cup X_2 = X_1 \cup X_2$ $(\overline{X}, \vee X_2) \vee (\overline{X}_2 \rightarrow \overline{X}_1) = X_1 \cup X_2 \vee X_3 \cup X_3 = X_1 \cdot \overline{X}_2) \vee (\overline{X}_2 \cdot \overline{X}_1) = X_1 \cdot \overline{X}_2 \vee \overline{X}_3 \vee \overline{X}_3 = X_1 \cdot \overline{X}_3 \vee \overline{X}_3 \vee \overline{X}_3 = X_1 \cdot \overline{X}_3 \vee \overline{X}_3 \vee \overline{X}_3 \vee \overline{X}_3 = X_1 \cdot \overline{X}_3 \vee \overline{X}_3 \vee \overline{X}_3 = X_1 \cdot \overline{X}_3 \vee \overline{X}_3 \vee \overline{X}_3 \vee \overline{X}_3 \vee \overline{X}_3 = X_1 \cdot \overline{X}_3 \vee \overline{X}_3 \vee \overline{X}_3 \vee \overline{X}_3 \vee \overline{X}_3 = X_1 \cdot \overline{X}_3 \vee \overline$

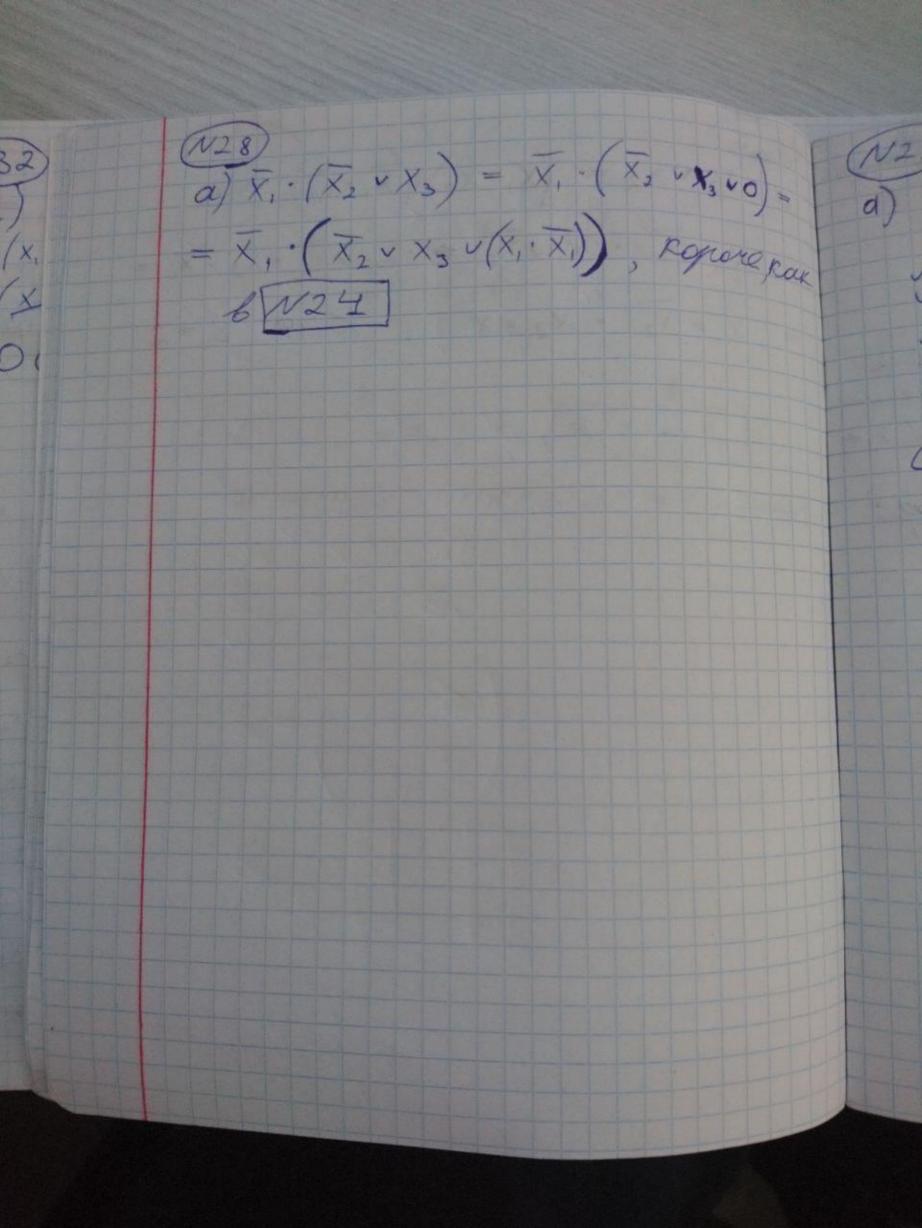
(N19) JX,~(X2~(x,vx2)) = (x2~X1) v (X2~X2) E) YM $= \chi_1 \sim (\chi_2 \sim \chi_1) = \chi_1 \sim \chi_2$ $B)\left(\left(X, \oplus X_{2}\right) \rightarrow \left(\overline{X}, \sqrt{X_{3}}\right)\right) V\left(X_{1} \rightarrow \overline{X_{3}}\right) =$ 2) ((X, *x,) \ (X, \ X,) \ (\ - 1)-)= $= (X_1 \cdot X_2) \downarrow (X_1 \cdot X_2) = X_1 \cdot X_2.$



-X2) V (X. X.) V ((N24) a) f(x,, x2, x3) = (X, x2) · X3 = = (X, X2 · 1) V X3 = = (X, X2 · (X3 · X3)) · X3 = = (X, X2 X3 V X, X2 X3) V X3 = X3.1.1= X3.(x2 vx2).(x, vx,)= $= (X_2 X_3 V \overline{X}_2 X_3) \cdot (X_1 V \overline{X}_1) = \dots$ ogny us ogrindrobur



 (X_1, N_2) = $(X_1 \cdot X_2)$ $(X_1 \cdot X_2)$ = = X, X, · X, · X2 + · X2 X2 · X2 · X, = = X, V X2 · X2 · X, , KHP, C=2



(a+6)(Ca) a) + (X, X2, X3) = (X, 1X2) 1X3 = $= (1 \oplus (x_1 \cdot x_2)) \downarrow X_3 = 1 \oplus (1 \oplus (x_1 \cdot x_2)) \oplus X_3 \oplus$ $\oplus (1 \oplus (x_1 \cdot x_2)) \cdot X_3 = 1 \oplus (1 \oplus (x_1 \cdot x_2)) \oplus X_1 \times_2 \oplus$ $\oplus X_3 \oplus X_3 \cdot 1 \oplus X_1 \times_2 \times_3 = 0 \oplus X_1 \times_2 \oplus X_1 \times_2 \times_3$ $\int (X_1 \vee X_2) \rightarrow ((X_3 \mid X_1) \cdot X_2) =$ $= | \oplus (X_1 \vee X_2) \oplus (X_1 \vee X_2) \cdot (X_3 | X_1) \cdot X_2 =$ $= 1 \oplus (X_1 \vee X_2) \oplus ((X_1 \vee X_2) \cdot (1 \oplus (X_1 \cdot X_3)) \cdot X_2) =$ $= 1 \oplus \left(X, \vee X_2 \right) \oplus \left((X, \vee X_2) \cdot \left(1 \cdot X_2 \oplus X, \cdot X_2 \cdot X_3 \right) \right) =$ $= 1 \oplus (x_1 \cup x_2) \oplus (x_1 \cup x_2) \cdot x_2 \oplus (x_1 \cup x_2) \cdot x_1 \times x_2 \times_3) =$ = 10 (x, vx2) 0 (*x, x2 vx2 x2 + x, x2 x3) = = 1 (X, vx2 (X, ·X2) (X, ×2×3 = = 1 D X, D X, X, X, (1) X/2 (1) X-1 X2 (1) X1 X2 X3 = 1 + X, X2 + X, X2 X3

$$(x_1 \cdot x_2) \vee (x_1 \cdot x_2) \vee (x_1 \cdot x_2) =$$

$$= (x_1 \cdot (x_2 \oplus 1)) \oplus ((x_1 \oplus 1) \cdot x_2) \oplus (x_1 \cdot x_2) =$$

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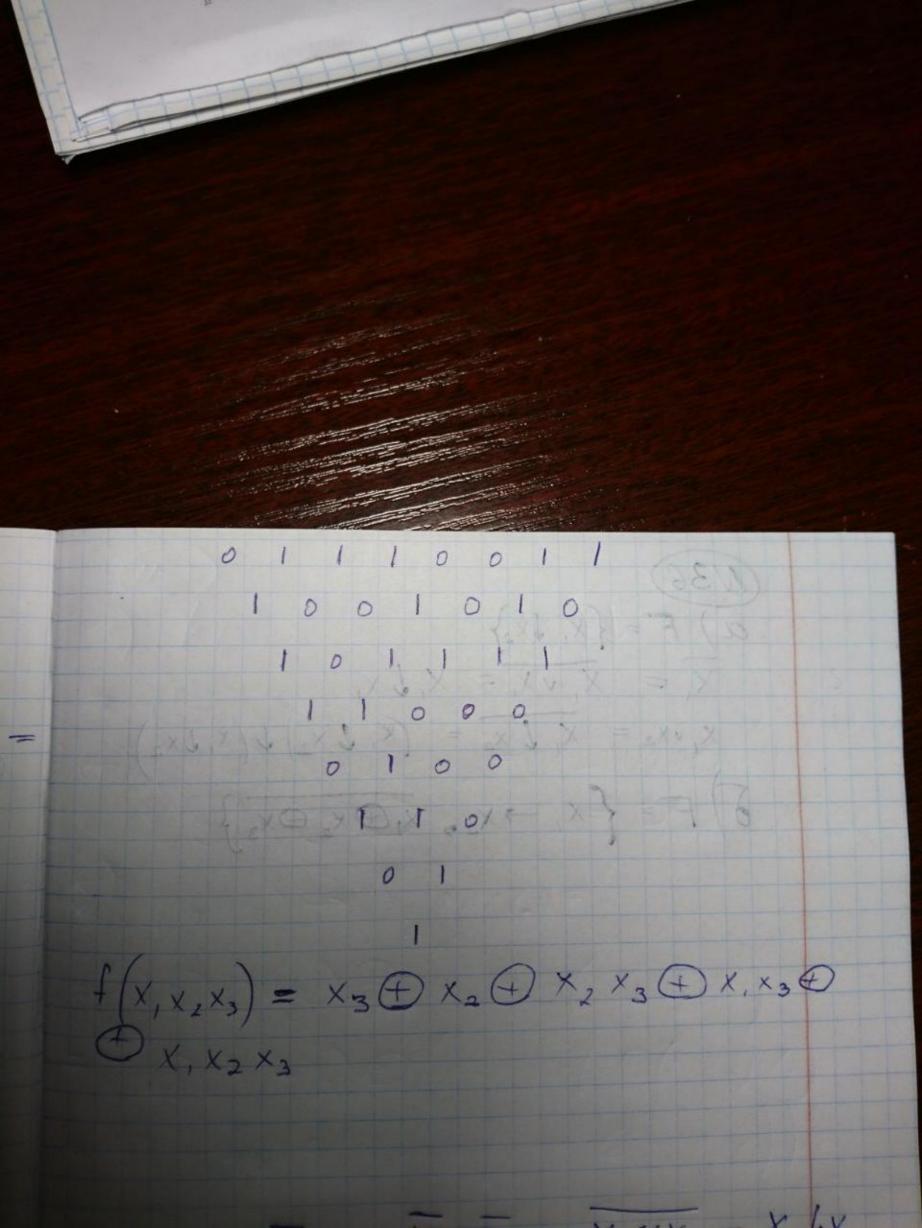
$$= (x_1 \cdot x_2 \oplus x_1) \oplus (x_1 \cdot x_2 \oplus x_2) \oplus x_1 \cdot x_2 =$$

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$$\begin{array}{c}
(N36) \\
(X_1 \cup X_2, \overline{X_1}) \\
(X_1 \times X_2 = \overline{X_1}, \overline{X_2} = (X_1 \times X_2) \downarrow (X_1 \times X_2) \\
(X_1 \times X_2 = \overline{X_1}, \overline{X_2} = (X_1 \times X_2) \downarrow (X_1 \times X_2) \\
(X_1 \times X_2 = \overline{X_1}, \overline{X_1} \oplus \overline{X_1}, \overline{X_1} \oplus \overline{X_2} \oplus \overline{X_2}) \\
(X_1 \times X_2 = \overline{X_1}, \overline{X_1} \oplus \overline{X_1}, \overline{X_1} \oplus \overline{X_2} \oplus \overline{X_2}) \\
(X_1 \times X_2 = \overline{X_1}, \overline{X_1} \oplus \overline{X_1}, \overline{X_2}) \downarrow (X_1 \times X_2) \downarrow (X_1 \times X_2) \downarrow (X_2 \times X_2), X_1 \oplus X_2 \oplus 1)
\end{array}$$

$$\begin{array}{c}
(X_1 \times X_2, \overline{X_1}) \\
(X_1 \times X_2, \overline{X_1}) \\
(X_1 \times X_2 = \overline{X_1}, \overline{X_2}) \\
(X_$$