AXPI = IAI.BI - XVY = XAY

Synelou D-vyuu 4.1) pouet uleara Xi e deux rebet a 3a f (X1, X2...Xi...Xm) Les $+(x_1,x_2...x_{i-1}) \times_{i-1} 0 \times_{i+1} \times_{n}) = +(x_1,x_2...x_{i-1}) \times_{i+1} \times_{n})$ 39 Hadop of Ogneleu ct-ctu $x_1 x_2$. X1×2-- X;-1 X;++-Xn. 5. Aponettruleata x, e <u>vouseutenta</u>, ato He e buktuble.

6. ϕ op hynce f(x,y,z) = (xyy)z f(x,y,z) = (10010010) f(x,y,z) = (10010010) $f(x,y,z) = 3a \times 0970$ $\Rightarrow Te = \{0, 2, 3, 7\}$

111--11 Juy la ce Hernepu of Her de-gente of Fr, za konto! a) bipxy gagettu k b-pa d-grata
una dukc. ci-citi, a ocitatamete 2^{2n-k}
ca monfeontu

bipxy rocho k enemetra ot ged. (2ⁿ)
cu n-lo d-subta una ci-ci O (k)

b) Unat ct-ci I the nobelle of

k Cocropce 22 (22)

i=k+1 (2)

>k+1 k+2 - - - 22

3 ag, la ce Hauepu opost Hu de gutte ot f_{2} , kouto uzurnuskai yerolenezo: $f(x_{1},x_{2}-...x_{n})=f(x_{2},x_{1}-...x_{n})$

Peu, pargeneure gent. u-bo (522) Her 4 racrus

$$\Rightarrow A_1 = \{ a^n = (0,0,a_3,a_4...a_n) \} d_1 \in [0,1]$$

$$A_2 = \{ a^n = (0,1,a_3...a_n) \}$$

$$A_3 = \{ a^n = (1,0,d_3...a_n) \}$$

$$A_4 = \{ a^n = (1,1,a_3...a_n) \}$$

$$A_4 = \{ a^n = (1,1,a_n) \}$$

$$A_4 = \{ a^n = (1$$

Han npopettulen, konto zalenos i vocuses bet bourente un morrettulen.

Peur Heka $f_i \subseteq J_2$, $f_i = \{f(\hat{x}) \mid x_i \in I_i\}$ Unierrey ba tu: $|J_{\lambda}| - |U_i| = 1$ $= |F_{2}| - \left(\sum_{i=1}^{\infty} |F_{i}| - \sum_{i=1}^{\infty} |F_{i} \cap F_{i}| + \dots \right)$ $=2^{2^{n}}-\left(\frac{\binom{n}{2}\cdot2^{n-1}-\binom{n}{2}\cdot2^{n-2}+\binom{n}{3}\cdot2^{n-3}}{\binom{n}{2}\cdot2^{n-3}+\binom{n}{3}\cdot2^{n$ $+(-1)^{n-1}(n)2^{n-1}=$

 $\frac{1}{2^{n-1}} + \frac{1}{i} |F_i| = 2^{n-1}$ $\frac{1}{2^{n-2}} + \frac{1}{i} |F_i| = 2^{n-2}$ $\frac{1}{2^{n-2}} + \frac{1}{2^{n-2}} + \frac{1}{2^{n-2}} = 2^{n-2}$ $= 2^{n-2} + \frac{1}{2^{n-2}} + \frac{1}{2^{n-2}} = 2^{n-2}$

$$= 2^{2^{N}} - (-1)^{\frac{1}{2}} (i) \cdot \lambda$$

$$= 2^{2^{N}} - (-1)^{\frac{1}{2}} (-1)^{\frac{1}{2}} (i) \cdot 2^{2^{N-1}} =$$

$$= 2^{2^{N}} + \sum_{i=0}^{N} (-1)^{i} (i) \cdot 2^{2^{N-1}} =$$

$$= \sum_{i=0}^{N} (-1)^{i} (i) \cdot 2^{N-1} =$$

1. Kottotki Ha monettruleure X1,X25-Xn Hapuzana Obheprienta d-na et lenga: X1/1 X2/1--- XXn, £69210

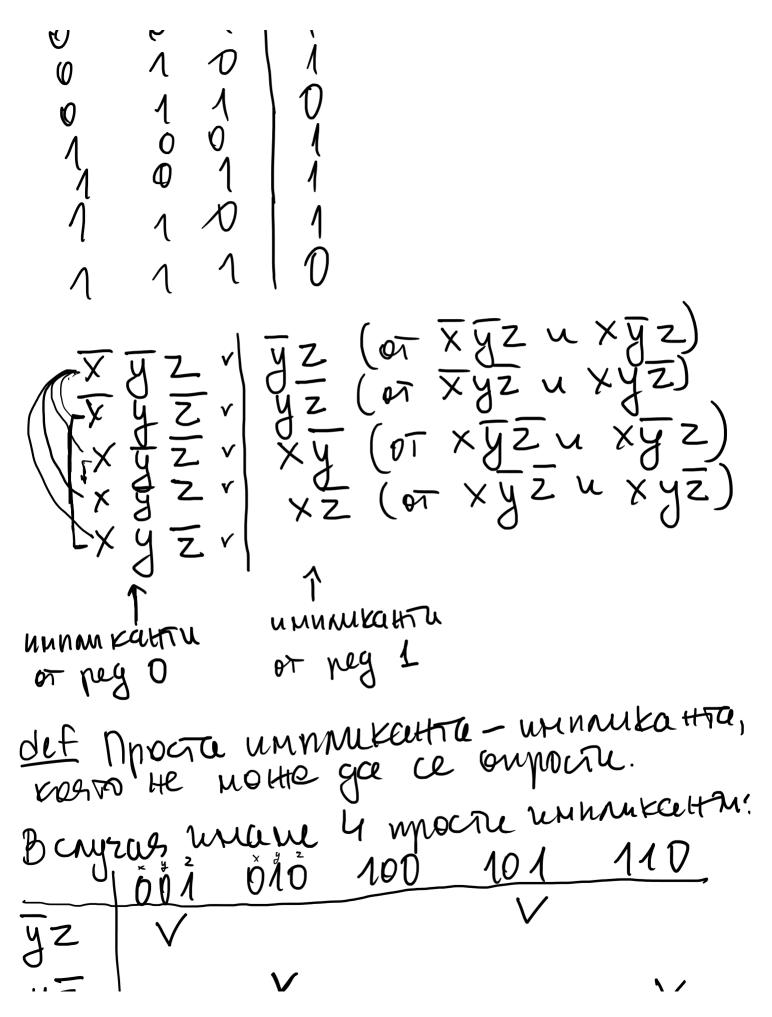
$$x_{i}^{\alpha} \wedge x_{2}^{\alpha} \wedge x_{i} - x_{i}^{\alpha} \wedge x_{i}^{\alpha} = \begin{cases} x_{i}^{\alpha}, & \text{and } x_{i} = 1 \\ x_{i}^{\alpha}, & \text{and } x_{i} = 0 \end{cases}$$

2. Egta vollegutente d-na $\phi(x_1--x_n)$ e 6 AHP, ano TS megeralonslea guztottems (V) ot korttottetu Ha

Herou or mo nethweens. 1 puner: \$ (x,y,z) = xy 124. contotes? Louted their 2 3. Egna volle p-ra e 6 Celopmenta 1HD (CBAHD), aco 79 e 1HD le Bolky kottotte vogepuse boska egna ot movent suberie. Trumpi & (xyiz) = xyz V xyz V xyz 83 3a besser of m. 6-yer f(x1--xn) normen ger the Mepure &-ra & (x1--xn) & Colletto deleubarent the the Her no chegitus the runt: $(x_1 - x_n) = \sqrt{\frac{x_1}{x_1}} \times \sqrt{\frac{x_2}{x_2}} - - \times \sqrt{\frac{x_n}{x_n}}$ $\Rightarrow f(\alpha_1, \alpha_2 - \alpha_n) = 1$ npump: f(x,y,2) = (x vy) -> Z 1P Hamperc Golfff epez mesopazobantus

micodpazolog ~>× 4 Z ~> xyz ~> × 4 2 > GabAHO = XyZVXyZVXYZ 3ay. Herepete CAHO $f(x,y,z) = (x \oplus y) \rightarrow yz$ f(x,y,z) = (01101100)(a) f(x14,2) = (X/4)Z $\neg \vdash) \vdash (\overrightarrow{\times}^{4}) = ((\times_{1} \times_{2}) \downarrow \times_{3}) \mid (\times_{2}) \mid \times_{2} \mid (\times_{1} \times_{2}) \mid (\times_{2}) \mid (\times_{$ 6) + (xmy, 2) = (x 1 y) = TO XMY F= (xly)Z

 $\sim > \overline{X} Y Z$ 000 001 101 Xyz V XY Muturuzaynes He dynelou $X \stackrel{\sim}{Z} V \stackrel{\sim}{X} \stackrel{\sim}{Z} = \stackrel{\sim}{Z} \stackrel{\sim}{X}, \text{ toget}$ 3 eg. (Anno puisen rea Kyawit-Hakkracku) Hanepeje muhunantare 1HD Ha +(xiq12)=(01101110)



y Z Agrette unnufertu & cayras! yz u yz. Sougsto Te zagobonslaget 001,010,101 n 110. Octaba HU ga zaleogonun 100. Tha moule ga crase no 2 Hereutti; - c nonougra Ha XY - c nonougra Ha XZ => Muane 2 MILHO! MHO1 = JZV YZVXJ MAHO2 = YZV YZVXZ 304 Harrepere MAHO Ha!

x y XZ Normbaya 6-9: f1 = (t1 vt3) (t2 v t5)(t1 v t2)(t4 v t6)(k3 v t4) abv6=8 + 122222222 (t5 vt6)= = = = titits V titits to to titite V t1t2t3t6V t2t3t4t5V t2t3t5t6V t2tstute V t2tst6 Unane 2 muttements 62800 Hotelouru MAHOU = XZV xy V yZ (tatyty) $uAH\Phi\lambda = \overline{\chi} y v \overline{y} z v \chi \overline{z}$ (t₂ t₃t₆)

3ay, la cl moberne exheubanettithe Misca &-nute, xato ce uznonzbat CAMO nperospazola HWS:

a) $\psi = (x \rightarrow y) \rightarrow ((x\overline{y}) \oplus (x \leftrightarrow \overline{y}))$ $\psi = (x \vee y)(\overline{x} \vee \overline{y})$

 $\begin{aligned}
& \sigma &) = (x \vee y) \rightarrow (x \vee z) \vee (x \vee y) \vee (xy \otimes z) \\
& \psi = ((x \rightarrow y) \mid (x \vee (y \neq z))) \vee y \neq z
\end{aligned}$

Jag. Kou ca Syrebuie &-useu F(x,y,z), Taxubare!

(1) + (0,0,0) = 1

(2) (bAHO = Neur AHO)

// Лонаино N=3 20/21// // Понине. Търит и ф-илите закошто (1) л (2)//