$$f(x) = \bar{x}$$

$$f(0) = \bar{0} = 1 = a_0 + a_1 = a_0 + 0 = a_0 = 0 = 0 = 0$$

$$f(1) = \bar{1} = 0 = a_0 + a_1 = a_1 + a_2 = 0 = 0$$

$$f(x_{1}y_{1}=x_{1}y_{2}=a_{0}+a_{1}x+a_{2}y+a_{12}x_{2}y_{2})$$

$$f(o_{1}o_{1}=0=a_{0}+a_{1}o+a_{2}o+a_{12}o=2)a_{0}=0$$

$$f(o_{1})=1=a_{0}+a_{1}o+a_{2}'1+a_{12}o_{1}=2o+o+a_{2}+o=1=2)a_{2}=1$$

$$f(1,0)=1=0+0,1+0+o=a_{1}+o=1=2)a_{1}=1$$

$$f(1,1)=0+1+1+a_{12}=1=2o+a_{12}=1$$

$$f(1,1)=0+1+1+a_{12}=1=2o+a_{12}=1$$

$$\begin{array}{lll}
\overline{(S9)} & x = yy & a_0 + a_1x + a_2y + a_{12}xy \\
f(0,0) = 1 = a_0 + 0 + 0 + 0 = y \overline{(a_0 = 1)} \\
f(0,0) = 0 = 1 + a_1 + 0 = y \overline{(a_1 = 1)} \\
f(0,1) = 1 = 1 + 0 + a_2 + 0 = y \overline{(a_2 = 0)} \\
f(1,1) = 1 = 1 + 1 + 0 + a_{12} = y \overline{(a_1 = 1)} \\
f(1,1) = 1 = 1 + 1 + 0 + a_{12} = y \overline{(a_1 = 1)} \\
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f(2,1) = 1 + 1 + 0 + a_{12} = y \overline{(a_1 = 1)} \\
f(3,1) = 1 + 1 + 0 + a_{12} = y \overline{(a_1 = 1)} \\
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f(4,1) = 1 + 1 + 1 + 0 + a_{12} = y \overline{(a_1 = 1)} \\
f(5,1) = 1 + 1 + 1 + 0 + a_{12} = y \overline{(a_1 = 1)} \\
f(5,1) = 1 + 1 + 1 + 0 + a_{12} = y \overline{(a_1 = 1)} \\$$

(4) Hakepu 11.HH 3d 
$$f(x_1y_1z)=(x\Rightarrow y)(y=>z)(z=>x)$$
  
 $x=>y=10 x+xy or (9)$ 

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$$g(x,y,z) = \alpha_{0} + \alpha_{1}x + \alpha_{2}y + \alpha_{3}z + \alpha_{12}xy + \alpha_{13}xz + \alpha_{23}yz + \alpha_{173}xyz$$

$$g(0,0,0) = 0 \quad |\alpha_{0} = 0|$$

$$g(1,0,0) = 0 \quad 0 + \alpha_{1} = 0 \quad |\alpha_{1} = 0|$$

$$g(0,0,1) = 0 \quad 0 + \alpha_{3} + 0 = 0 \quad |\alpha_{3} = 0|$$

$$g(1,1,0) = 0 + 1 + \alpha_{12} = 1 \quad |\alpha_{12} = 0|$$

$$g(1,0,1) = 1 + \alpha_{23} = 1 \quad |\alpha_{23} = 0|$$

$$g(1,1,1) = 1 + 0 + \alpha_{123} = 1$$

$$|\alpha_{123} = 1|$$

$$= 1 \oplus xz \oplus xyz \oplus xyz \notin L$$

(45) $F = \begin{cases} x = y, \ \bar{x} = y\bar{y}x, x \oplus y \oplus z, 1 \end{cases}$	He e MBNHQ.
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	- 012 10
1   1   1   0   0   1	(0,0)
$x$   $y$ $z$   $x \oplus y \otimes z$	
X   Q   Z   X + y y y y y y y y y y y y y y y y y y	
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	$(x+1)(y+1) \oplus Z+1+1+1$										
Ty (	Xy 10 y2 = x+1 + y+1+										
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(48) Mposepete gary F= (SAM) U(LIM) e Monta? 301404Bane C OTPHERHETO. X = X Dd EL &M X ELIMEF NX dM, X &TO, X &T, =) F STO, T, M TOPULM fs EF THE fs & STORCT fs ELIM fs(x,y)=X⊕y €L 0,1 = (1,1) to 001=1 \$0=101 => fs & H => fs & F  $x \oplus y = \overline{x} \oplus \overline{y} = (x+1+y+1) + 1 = x+y+1 \neq x+y: x+y \notin S$ =) F & S TOTABO TOPUM FLEF MILEL fL=503  $a = \overline{d}$   $b = \overline{c}$   $0 = \overline{f} \in \mathcal{H}$   $0 = b = \overline{a}$ for the 2 aprythetion IL ESAM OL = J = a => a = 0 a = 1 x y fi fi" Co M Hewry мравим и за 3 огрупенти.