

2. Minimale KNF: $k=4$ $Y = f(x) = \prod_{i=1}^4 (5, 10, 12, 13, 14)$

ε	x_3	x_2	x_1	x_0		x_3	x_2	x_1	x_0	
5	0	1	0	1		5,13	-	1	0	1
10	1	0	1	0		10,14	1	-	1	0
12	1	1	0	0		12,13	1	1	0	-
13	1	1	0	1		12,14	1	1	-	0
14	1	1	1	0						

$$(\bar{x}_2 + x_1 + \bar{x}_0) (\bar{x}_3 + \bar{x}_1 + x_0) (\bar{x}_3 + \bar{x}_2 + x_1) f$$

$$(\bar{x}_3 \bar{x}_2 x_0)$$

	5 13	10 14	12 13	12 14
5	(X)			
10		(X)		
12			X	X
13	X		X	
14		X		X
	P_{K1}	P_{K2}	P_{K1}	P_{K2}

~~10~~

$$Y = \begin{pmatrix} 5 \\ 13 \end{pmatrix} \begin{pmatrix} 10 \\ 14 \end{pmatrix} \begin{matrix} \rightarrow \begin{pmatrix} 12 \\ 13 \end{pmatrix} \\ \rightarrow \begin{pmatrix} 12 \\ 14 \end{pmatrix} \end{matrix}$$

$$Y = (\bar{x}_2 + x_1 + \bar{x}_0) (\bar{x}_3 + \bar{x}_1 + x_0) \begin{matrix} \rightarrow (\bar{x}_3 + \bar{x}_2 + x_1) \\ \rightarrow (\bar{x}_3 + \bar{x}_2 + x_0) \end{matrix}$$