

1.) minimale DNF

$$y = f(x) = \sum 0, 2, 3, 5, 7$$

					x_2	x_1	x_0	
0	0	0	0	✓	0,2	0	-0	0,2,5,7
2	0	1	0	✓	2,3	0	1-	
3	0	1	1	✓	3,7	-1	-1	
5	1	0	1		5,7	-1	-1	
7	1	1	1	✓				

Prinzipialen $\rightarrow \bar{x}_2 \bar{x}_0 + \bar{x}_2 x_1 + x_1 x_0 + x_2 x_0$

		$\bar{x}_2 \bar{x}_0$	$\bar{x}_2 x_1$	$x_1 x_0$	$x_2 x_0$
$\bar{x}_2 \bar{x}_1 \bar{x}_0$	⊗				
$\bar{x}_2 \bar{x}_1 x_0$	x	x			
$\bar{x}_2 x_1 \bar{x}_0$		x	x		
$\bar{x}_2 x_1 x_0$					⊗
$x_2 \bar{x}_1 \bar{x}_0$			x		x
$x_2 \bar{x}_1 x_0$					
		P_{001}	P_{011}	P_{012}	P_{001}

Kein prinzipial
 P_{001}
 Kein prinzipial
 P_{01}

minimale DNF: $Y = P_{001} + P_{012} \rightarrow P_{01}$
 $\rightarrow P_{02}$

$$Y = \bar{x}_2 \bar{x}_0 + x_2 x_0 + \bar{x}_2 x_1 + x_1 x_0$$

Kurzform:

$$Y = \begin{pmatrix} 0 \\ 2 \end{pmatrix} + \begin{pmatrix} 5 \\ 7 \end{pmatrix} + \begin{pmatrix} 2 \\ 3 \\ 5 \\ 7 \end{pmatrix}$$