

$$f_1 = x_8 + x_7x_8 + x_6 + x_6x_7 + x_6x_7x_8 + x_5 + x_5x_7x_8 + x_5x_6x_8 + x_5x_6x_7 + x_5x_6x_7x_8 + x_4 + x_4x_8 + x_4x_7 + x_4x_6 + x_4x_6x_7 + x_4x_6x_7x_8 + x_4x_5x_8 + x_4x_5x_7 + x_4x_5x_6 + x_4x_5x_6x_8 + x_4x_5x_6x_7 + x_4x_5x_6x_7x_8 + x_3 + x_3x_8 + x_3x_6x_7x_8 + x_3x_5 + x_3x_5x_8 + x_3x_5x_7 + x_3x_5x_7x_8 + x_3x_5x_6x_8 + x_3x_5x_6x_7 + x_3x_4 + x_3x_4x_8 + x_3x_4x_7 + x_3x_4x_7x_8 + x_3x_4x_6x_7x_8 + x_3x_4x_5 + x_2 + x_2x_8 + x_2x_7 + x_2x_7x_8 + x_2x_6x_8 + x_2x_5x_8 + x_2x_5x_7x_8 + x_2x_5x_6 + x_2x_4x_8 + x_2x_4x_5 + x_2x_3x_7x_8 + x_2x_3x_5x_7 + x_2x_3x_5x_7x_8 + x_2x_3x_5x_6x_8 + x_1 + x_1x_8 + x_1x_7 + x_1x_6 + x_1x_6x_7 + x_1x_6x_7x_8 + x_1x_5x_8 + x_1x_5x_7 + x_1x_5x_7x_8 + x_1x_5x_6x_7x_8 + x_1x_4x_8 + x_1x_4x_5 + x_1x_4x_5x_7 + x_1x_3 + x_1x_3x_8 + x_1x_3x_6x_7x_8 + x_1x_3x_5 + x_1x_3x_5x_7 + x_1x_3x_5x_7x_8 + x_1x_3x_5x_6x_7 + x_1x_3x_4x_7 + x_1x_2 + x_1x_2x_8 + x_1x_2x_6 + x_1x_2x_6x_8 + x_1x_2x_6x_7 + x_1x_2x_6x_7x_8 + x_1x_2x_5 + x_1x_2x_5x_7x_8 + x_1x_2x_5x_6 + x_1x_2x_5x_6x_7 + x_1x_2x_3 + x_1x_2x_3x_8 + x_1x_2x_3x_5$$

$$f_2 = 1 + x_7 + x_6x_7 + x_6x_7x_8 + x_5x_7x_8 + x_5x_6x_8 + x_4x_7x_8 + x_4x_6 + x_4x_5x_8 + x_4x_5x_7 + x_4x_5x_7x_8 + x_4x_5x_6x_7 + x_4x_5x_6x_7x_8 + x_3 + x_3x_6 + x_3x_5 + x_3x_5x_7 + x_3x_5x_7x_8 + x_3x_5x_6 + x_3x_5x_6x_8 + x_3x_5x_6x_7 + x_3x_4 + x_3x_4x_8 + x_3x_4x_7 + x_3x_4x_6 + x_3x_4x_6x_8 + x_3x_4x_5x_6x_8 + x_3x_4x_5x_6x_7 + x_2x_8 + x_2x_7x_8 + x_2x_6 + x_2x_6x_8 + x_2x_6x_7 + x_2x_6x_7x_8 + x_2x_5 + x_2x_5x_6 + x_2x_5x_6x_7x_8 + x_2x_4 + x_2x_4x_6x_7 + x_2x_4x_6x_7x_8 + x_2x_4x_5x_6x_7 + x_2x_3x_8 + x_2x_3x_7x_8 + x_2x_3x_6 + x_2x_3x_6x_8 + x_2x_3x_6x_7 + x_2x_3x_4x_6 + x_1 + x_1x_8 + x_1x_6 + x_1x_6x_8 + x_1x_6x_7 + x_1x_5x_6x_8 + x_1x_5x_6x_7x_8 + x_1x_4x_8 + x_1x_4x_7 + x_1x_4x_7x_8 + x_1x_3 + x_1x_3x_8 + x_1x_3x_7x_8 + x_1x_3x_6x_8 + x_1x_3x_5x_8 + x_1x_3x_5x_7 + x_1x_3x_5x_6x_8 + x_1x_3x_5x_6x_7 + x_1x_2 + x_1x_2x_6 + x_1x_2x_6x_8 + x_1x_2x_6x_7 + x_1x_2x_5 + x_1x_2x_5x_8 + x_1x_2x_5x_7x_8 + x_1x_2x_5x_6 + x_1x_2x_5x_6x_8 + x_1x_2x_4 + x_1x_2x_4x_8 + x_1x_2x_4x_7 + x_1x_2x_3x_8 + x_1x_2x_3x_7 + x_1x_2x_3x_6$$

$$f_3 = 1 + x_8 + x_6 + x_6x_7 + x_5 + x_5x_8 + x_5x_6 + x_5x_6x_8 + x_4x_7 + x_4x_7x_8 + x_4x_6 + x_4x_6x_8 + x_4x_6x_7 + x_4x_5x_8 + x_4x_5x_7 + x_4x_5x_6x_7 + x_3x_6x_8 + x_3x_6x_7 + x_3x_6x_7x_8 + x_3x_5x_8 + x_3x_5x_7 + x_3x_5x_7x_8 + x_3x_5x_6x_8 + x_3x_5x_6x_7 + x_3x_4x_8 + x_3x_4x_8 + x_3x_4x_5x_7x_8 + x_3x_4x_5x_6x_8 + x_3x_4x_5x_6x_7 + x_2 + x_2x_7 + x_2x_7x_8 + x_2x_6 + x_2x_6x_8 + x_2x_6x_7 + x_2x_6x_7x_8 + x_2x_5x_6x_7 + x_2x_4 + x_2x_4x_7 + x_2x_4x_7x_8 + x_2x_4x_6x_8 + x_2x_4x_6x_7x_8 + x_2x_4x_5x_7x_8 + x_2x_4x_5x_6 + x_2x_3 + x_2x_3x_8 + x_2x_3x_6 + x_2x_3x_5 + x_2x_3x_5x_8 + x_2x_3x_4 + x_2x_3x_4x_8 + x_2x_3x_4x_6 + x_2x_3x_4x_5 + x_1x_6x_7 + x_1x_6x_7x_8 + x_1x_5 + x_1x_5x_7x_8 + x_1x_5x_6 + x_1x_5x_6x_8 + x_1x_4 + x_1x_4x_6 + x_1x_4x_6x_8 + x_1x_4x_6x_7x_8 + x_1x_4x_5 + x_1x_4x_5x_7 + x_1x_3x_6 + x_1x_3x_6x_8 + x_1x_3x_5 + x_1x_3x_5x_7x_8 + x_1x_3x_5x_6x_8 + x_1x_3x_4x_8 + x_1x_2 + x_1x_2x_8 + x_1x_2x_6 + x_1x_2x_6x_8 + x_1x_2x_6x_7x_8 + x_1x_2x_5x_8 + x_1x_2x_5x_7x_8 + x_1x_2x_5x_6 + x_1x_2x_5x_6x_8 + x_1x_2x_4 + x_1x_2x_4x_8 + x_1x_2x_3x_8$$

$$f_4 = x_8 + x_7x_8 + x_6 + x_5 + x_5x_8 + x_5x_6x_7 + x_4x_6x_8 + x_4x_6x_7 + x_4x_6x_7x_8 + x_4x_5 + x_4x_5x_7 + x_4x_5x_7x_8 + x_4x_5x_6x_8 + x_3 + x_3x_8 + x_3x_7x_8 + x_3x_6 + x_3x_6x_8 + x_3x_6x_7 + x_3x_5x_8 + x_3x_5x_7 + x_3x_5x_6x_8 + x_3x_5x_6x_7 + x_3x_4x_7x_8 + x_3x_4x_6x_8 + x_3x_4x_6x_7 + x_3x_4x_5x_7 + x_3x_4x_5x_7x_8 + x_3x_4x_5x_6x_8 + x_3x_4x_5x_6x_7 + x_2 + x_2x_7x_8 + x_2x_6x_8 + x_2x_5 + x_2x_5x_7x_8 + x_2x_5x_6x_8 + x_2x_5x_6x_7 + x_2x_4x_6 + x_2x_4x_6x_7 + x_2x_4x_5 + x_2x_4x_5x_7x_8 + x_2x_4x_5x_6x_8 + x_2x_4x_5x_6x_7 + x_2x_3 + x_2x_3x_7 + x_2x_3x_7x_8 + x_2x_3x_6x_7x_8 + x_2x_3x_5 + x_2x_3x_5x_7 + x_2x_3x_5x_6x_7 + x_2x_3x_4x_7 + x_2x_3x_4x_6 + x_1x_7x_8 + x_1x_6 + x_1x_6x_7 + x_1x_5x_7 + x_1x_5x_7x_8 + x_1x_5x_6x_7 + x_1x_5x_6x_7x_8 + x_1x_4 + x_1x_4x_7 + x_1x_4x_6 + x_1x_4x_5x_7 + x_1x_4x_5x_6x_7 + x_1x_3x_8 + x_1x_3x_7 + x_1x_3x_6 + x_1x_3x_6x_7x_8 + x_1x_3x_5x_8 + x_1x_3x_5x_6 + x_1x_3x_5x_6x_7 + x_1x_3x_4 + x_1x_3x_4x_7 + x_1x_3x_4x_6 + x_1x_2x_7 + x_1x_2x_6x_7 + x_1x_2x_5x_7 + x_1x_2x_5x_6 + x_1x_2x_5x_6x_8 + x_1x_2x_4x_5 + x_1x_2x_3$$

$$f_5 = 1 + x_8 + x_6 + x_6x_8 + x_6x_7 + x_6x_7x_8 + x_5 + x_5x_8 + x_5x_7 + x_5x_6x_7 + x_5x_6x_7x_8 + x_4x_7 + x_4x_7x_8 + x_4x_6x_8 + x_4x_5x_7x_8 + x_4x_5x_6x_8 + x_3 + x_3x_7 + x_3x_7x_8 + x_3x_6x_8 +$$

$$\begin{aligned}
& x_3x_5x_7x_8 + x_3x_5x_6x_8 + x_3x_4x_8 + x_3x_4x_7 + x_3x_4x_7x_8 + x_3x_4x_6x_8 + x_3x_4x_5x_8 + \\
& x_3x_4x_5x_7 + x_2 + x_2x_7 + x_2x_7x_8 + x_2x_6x_7x_8 + x_2x_5x_7 + x_2x_5x_6x_7 + x_2x_5x_6x_7x_8 + \\
& x_2x_4x_6 + x_2x_4x_6x_7 + x_2x_4x_5x_7 + x_2x_3x_6x_8 + x_2x_3x_5 + x_2x_3x_5x_6 + x_2x_3x_4 + \\
& x_1x_8 + x_1x_6 + x_1x_6x_7 + x_1x_6x_7x_8 + x_1x_5 + x_1x_5x_8 + x_1x_5x_7 + x_1x_5x_6 + x_1x_5x_6x_7 + \\
& x_1x_5x_6x_7x_8 + x_1x_4 + x_1x_4x_6 + x_1x_4x_6x_7 + x_1x_4x_5x_7 + x_1x_3 + x_1x_3x_6x_8 + x_1x_3x_5 + \\
& x_1x_3x_5x_6 + x_1x_3x_4 + x_1x_2
\end{aligned}$$

$$\begin{aligned}
f_6 = & x_8 + x_6x_7 + x_6x_7x_8 + x_5 + x_5x_8 + x_5x_7 + x_5x_7x_8 + x_5x_6 + x_5x_6x_8 + \\
& x_5x_6x_7 + x_5x_6x_7x_8 + x_4 + x_4x_7 + x_4x_7x_8 + x_4x_6 + x_4x_6x_7 + x_4x_5x_7x_8 + x_4x_5x_6x_8 + \\
& x_4x_5x_6x_7x_8 + x_3 + x_3x_8 + x_3x_5 + x_3x_5x_8 + x_3x_5x_7x_8 + x_3x_5x_6 + x_3x_5x_6x_8 + \\
& x_3x_5x_6x_7x_8 + x_3x_4 + x_2 + x_2x_6 + x_2x_6x_7 + x_2x_6x_7x_8 + x_2x_5x_7 + x_2x_5x_6x_7 + \\
& x_2x_4x_7 + x_2x_4x_7x_8 + x_2x_4x_6x_8 + x_2x_3 + x_2x_3x_7 + x_2x_3x_7x_8 + x_2x_3x_6x_8 + x_1x_6x_8 + \\
& x_1x_6x_7x_8 + x_1x_5 + x_1x_5x_6 + x_1x_5x_6x_7 + x_1x_4 + x_1x_4x_8 + x_1x_4x_5x_8 + x_1x_4x_5x_7 + \\
& x_1x_3x_8 + x_1x_3x_5x_8 + x_1x_3x_5x_7 + x_1x_2x_6 + x_1x_2x_6x_8 + x_1x_2x_6x_7 + x_1x_2x_5 + \\
& x_1x_2x_5x_7 + x_1x_2x_5x_6 + x_1x_2x_4 + x_1x_2x_3
\end{aligned}$$

$$\begin{aligned}
f_7 = & 1 + x_8 + x_7x_8 + x_6 + x_6x_8 + x_6x_7 + x_6x_7x_8 + x_5x_8 + x_5x_6x_8 + x_5x_6x_7 + \\
& x_5x_6x_7x_8 + x_4x_8 + x_4x_7 + x_4x_7x_8 + x_4x_6 + x_4x_6x_8 + x_4x_6x_7 + x_4x_5x_8 + x_3 + \\
& x_3x_7 + x_3x_7x_8 + x_3x_6x_8 + x_3x_5 + x_3x_5x_7 + x_3x_5x_7x_8 + x_3x_5x_6 + x_3x_5x_6x_8 + \\
& x_3x_5x_6x_7x_8 + x_3x_4 + x_2 + x_2x_7 + x_2x_7x_8 + x_2x_6x_8 + x_2x_6x_7x_8 + x_2x_5 + x_2x_5x_7 + \\
& x_2x_5x_7x_8 + x_2x_5x_6 + x_2x_5x_6x_7x_8 + x_2x_4 + x_2x_3x_7 + x_2x_3x_7x_8 + x_2x_3x_6x_8 + \\
& x_1 + x_1x_8 + x_1x_6 + x_1x_6x_7 + x_1x_6x_7x_8 + x_1x_5 + x_1x_5x_8 + x_1x_5x_7 + x_1x_5x_6 + \\
& x_1x_5x_6x_8 + x_1x_5x_6x_7x_8 + x_1x_4 + x_1x_3 + x_1x_3x_8 + x_1x_3x_5x_8 + x_1x_3x_5x_7 + x_1x_2 + \\
& x_1x_2x_6 + x_1x_2x_6x_7 + x_1x_2x_5x_7 + x_1x_2x_3
\end{aligned}$$

$$\begin{aligned}
f_8 = & x_7 + x_7x_8 + x_6x_8 + x_6x_7x_8 + x_5 + x_5x_8 + x_5x_7x_8 + x_5x_6 + x_5x_6x_8 + x_4 + \\
& x_4x_7 + x_4x_7x_8 + x_4x_6x_7x_8 + x_4x_5x_7 + x_4x_5x_6x_8 + x_4x_5x_6x_7x_8 + x_3x_8 + x_3x_7 + \\
& x_3x_7x_8 + x_3x_5x_8 + x_3x_5x_6x_8 + x_3x_5x_6x_7 + x_3x_5x_6x_7x_8 + x_3x_4x_8 + x_3x_4x_5x_8 + \\
& x_3x_4x_5x_7 + x_2 + x_2x_7 + x_2x_7x_8 + x_2x_6 + x_2x_6x_7 + x_2x_6x_7x_8 + x_2x_5x_6x_7 + \\
& x_2x_5x_6x_7x_8 + x_2x_4x_6 + x_2x_4x_6x_7 + x_2x_4x_5x_7 + x_2x_3 + x_2x_3x_6x_8 + x_2x_3x_5 + \\
& x_2x_3x_5x_6 + x_2x_3x_4 + x_1 + x_1x_8 + x_1x_6 + x_1x_6x_8 + x_1x_6x_7 + x_1x_5 + x_1x_5x_8 + \\
& x_1x_5x_6 + x_1x_4 + x_1x_3 + x_1x_2
\end{aligned}$$