$f_1 = x_5x_6 + x_4x_6x_7 + x_3x_7 + x_2x_6 + x_2x_4 + x_1 + x_1x_6x_7 + x_1x_4x_5 + x_1x_3x_6 + x_1x_2x_7$

$f_2 = 1 + x_5 + x_5x_7 + x_4x_7 + x_4x_5x_6 + x_3x_5x_7 + x_2x_7 + x_2x_5 + x_2x_3 + x_1x_6 + x_1x_5x_6 + x_1x_4x_7 + x_1x_3x_4 + x_1x_2x_5$

$f_3 = 1 + x_5x_7 + x_4 + x_4x_6 + x_3x_6 + x_3x_6x_7 + x_3x_4x_5 + x_2x_7 + x_2x_4x_6 + x_2x_3x_7 + x_1x_6 + x_1x_4 + x_1x_4x_7 + x_1x_2$

$f_4 = x_6 + x_5x_6x_7 + x_3x_6 + x_3x_4 + x_2x_7 + x_2x_6x_7 + x_2x_4x_5 + x_2x_3x_6 + x_1x_5 + x_1x_4x_6$

$f_5 = 1 + x_7 + x_4x_7 + x_4x_5 + x_3x_5x_6 + x_3x_4x_7 + x_2x_6 + x_2x_5x_7 + x_1x_7 + x_1x_6x_7 + x_1x_5 + x_1x_3$

$f_6 = 1 + x_6x_7 + x_3x_7 + x_3x_5 + x_2 + x_2x_5x_6 + x_2x_4x_7 + x_1 + x_1x_5x_7 + x_1x_4 + x_1x_2x_3$

$f_7 = x_4x_6 + x_3 + x_3x_6x_7 + x_2 + x_2x_5 + x_2x_3x_4 + x_1 + x_1x_7 + x_1x_6 + x_1x_4 + x_1x_3x_5 + x_1x_2x_6 + x_1x_2x_3$