

$$f_1 = 1 + x_7x_8 + x_6x_8 + x_6x_7 + x_6x_7x_8 + x_5 + x_5x_7x_8 + x_3x_4 + x_2 + x_2x_4 + x_2x_3x_4 + x_1 + x_1x_3 + x_1x_2x_3$$

$$f_2 = x_7 + x_7x_8 + x_6 + x_6x_7 + x_6x_7x_8 + x_5 + x_5x_8 + x_5x_6 + x_5x_6x_7 + x_3 + x_3x_4 + x_2 + x_2x_4 + x_1x_4 + x_1x_2x_3$$

$$f_3 = x_8 + x_7 + x_7x_8 + x_6x_8 + x_6x_7 + x_6x_7x_8 + x_5 + x_5x_8 + x_5x_7x_8 + x_4 + x_3x_4 + x_2x_4 + x_2x_3 + x_2x_3x_4 + x_1 + x_1x_2 + x_1x_2x_4$$

$$f_4 = 1 + x_7x_8 + x_6x_8 + x_6x_7x_8 + x_5 + x_5x_8 + x_5x_7 + x_5x_7x_8 + x_5x_6 + x_5x_6x_8 + x_4 + x_3x_4 + x_2x_3 + x_2x_3x_4 + x_1x_3 + x_1x_2 + x_1x_2x_3$$