

$$f_1 = x_{13} + x_{11} + x_{10}x_{12} + x_{10}x_{11} + x_8 + x_8x_{12} + x_7 + x_7x_9 + x_7x_8 + x_6 + x_6x_{13} + x_6x_{11} + x_6x_9 + x_5x_{13} + x_5x_{11} + x_5x_9 + x_4 + x_4x_{13} + x_4x_{10} + x_4x_7 + x_4x_6 + x_3 + x_3x_{12} + x_3x_{10} + x_3x_9 + x_3x_8 + x_3x_7 + x_2 + x_2x_{10} + x_2x_9 + x_2x_8 + x_2x_7 + x_2x_5 + x_1x_{12} + x_1x_{10} + x_1x_9 + x_1x_8 + x_1x_7 + x_1x_4 + x_1x_3$$

$$f_2 = x_{10} + x_{10}x_{13} + x_9 + x_9x_{12} + x_8 + x_7 + x_7x_{13} + x_7x_{10} + x_7x_8 + x_6 + x_6x_{12} + x_6x_{10} + x_6x_9 + x_6x_8 + x_6x_7 + x_5 + x_5x_{12} + x_5x_9 + x_5x_7 + x_4x_{11} + x_4x_{10} + x_4x_9 + x_4x_7 + x_4x_6 + x_4x_5 + x_3 + x_3x_{13} + x_3x_9 + x_3x_5 + x_2x_8 + x_2x_7 + x_2x_3 + x_1x_{13} + x_1x_{12} + x_1x_{10} + x_1x_8 + x_1x_6 + x_1x_5 + x_1x_4 + x_1x_2$$

$$f_3 = 1 + x_{12} + x_{11} + x_{11}x_{12} + x_{10}x_{12} + x_8x_{13} + x_8x_9 + x_7 + x_7x_{11} + x_7x_8 + x_6x_{13} + x_6x_{11} + x_6x_8 + x_6x_7 + x_5x_{13} + x_5x_9 + x_5x_6 + x_4 + x_4x_{12} + x_4x_7 + x_4x_6 + x_4x_5 + x_3 + x_3x_{11} + x_3x_9 + x_3x_7 + x_2x_{12} + x_2x_{11} + x_2x_8 + x_2x_6 + x_2x_4 + x_1 + x_1x_{13} + x_1x_{12} + x_1x_{10} + x_1x_9 + x_1x_8 + x_1x_6 + x_1x_5 + x_1x_4 + x_1x_3 + x_1x_2$$

$$f_4 = x_{11} + x_{11}x_{13} + x_{11}x_{12} + x_9x_{13} + x_8 + x_8x_{10} + x_8x_9 + x_7x_{12} + x_7x_{10} + x_6x_{12} + x_6x_{10} + x_5 + x_5x_{11} + x_5x_8 + x_5x_7 + x_4x_{13} + x_4x_{11} + x_4x_{10} + x_4x_9 + x_4x_8 + x_3 + x_3x_{11} + x_3x_{10} + x_3x_9 + x_3x_8 + x_3x_6 + x_2 + x_2x_{13} + x_2x_{11} + x_2x_{10} + x_2x_9 + x_2x_8 + x_2x_5 + x_2x_4 + x_1 + x_1x_{12} + x_1x_{11} + x_1x_9 + x_1x_6 + x_1x_5 + x_1x_4 + x_1x_2$$

$$f_5 = x_{10}x_{13} + x_8 + x_7 + x_7x_9 + x_7x_8 + x_6x_{11} + x_6x_9 + x_6x_7 + x_5x_{13} + x_5x_{11} + x_5x_6 + x_4 + x_4x_{13} + x_4x_{11} + x_4x_{10} + x_4x_9 + x_3 + x_3x_{13} + x_3x_{12} + x_3x_{11} + x_3x_{10} + x_3x_8 + x_3x_7 + x_3x_6 + x_3x_4 + x_2x_{13} + x_2x_{11} + x_2x_8 + x_2x_6 + x_2x_5 + x_1x_{13} + x_1x_{11} + x_1x_{10} + x_1x_9 + x_1x_6 + x_1x_5$$

$$f_6 = 1 + x_{13} + x_{12}x_{13} + x_{11} + x_{11}x_{13} + x_{10} + x_7 + x_7x_{10} + x_7x_8 + x_6x_{12} + x_6x_{10} + x_6x_9 + x_5x_{12} + x_5x_{10} + x_5x_9 + x_5x_8 + x_5x_7 + x_5x_6 + x_4 + x_4x_{12} + x_4x_{11} + x_4x_9 + x_4x_7 + x_4x_6 + x_3x_{13} + x_3x_{12} + x_3x_{10} + x_3x_8 + x_3x_5 + x_2 + x_2x_{12} + x_2x_{11} + x_2x_{10} + x_2x_9 + x_2x_8 + x_2x_6 + x_2x_5 + x_1 + x_1x_8 + x_1x_7 + x_1x_6 + x_1x_2$$

$$f_7 = 1 + x_{12} + x_{12}x_{13} + x_{11} + x_{10} + x_9 + x_8 + x_8x_9 + x_7x_{11} + x_7x_8 + x_6x_{13} + x_6x_{11} + x_6x_9 + x_6x_8 + x_5 + x_5x_{13} + x_5x_{11} + x_5x_8 + x_5x_6 + x_4x_{13} + x_4x_{12} + x_4x_{11} + x_4x_9 + x_4x_8 + x_3 + x_3x_{13} + x_3x_{10} + x_3x_9 + x_3x_8 + x_3x_7 + x_3x_6 + x_3x_5 + x_2 + x_2x_{13} + x_2x_9 + x_2x_8 + x_2x_7 + x_2x_6 + x_1x_{12} + x_1x_{11} + x_1x_7 + x_1x_6 + x_1x_3 + x_1x_2$$

$$f_8 = 1 + x_8x_{10} + x_8x_9 + x_7 + x_7x_{12} + x_7x_{10} + x_7x_8 + x_6 + x_6x_{12} + x_6x_7 + x_5x_{12} + x_5x_{11} + x_5x_{10} + x_4 + x_4x_{13} + x_4x_{12} + x_4x_{11} + x_4x_9 + x_4x_8 + x_4x_7 + x_4x_5 + x_3 + x_3x_{12} + x_3x_9 + x_3x_7 + x_3x_6 + x_2x_{12} + x_2x_{11} + x_2x_{10} + x_2x_7 + x_2x_6 + x_1 + x_1x_{11} + x_1x_9 + x_1x_8 + x_1x_7 + x_1x_4 + x_1x_2$$