# 
$$z = (x_1) = (x_1)^2 + x_1 + x_2 + x_2 + x_2 + x_3 + x_3 + x_4 + x_2 + x_2 + x_3 + x_3 + x_4 + x_4 + x_3 + x_4 + x_4 + x_2 + x_2 + x_3 + x_3 + x_4 + x_4 + x_3 + x_4 + x_4 + x_3 + x_4 + x_4$$

{ (x11 x 21 x 3) = 2X, 2 + X2 + X2 + X2 + X2 X3 - 6x, -7x2 - 8x3 + 9