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$F=(F_1, F_2, \dots, F_m)$, y -
 (1):

$$y(F) = a_0 + a_1 F_1 + \dots + a_m F_m + a_{11} F_1^2 + \dots + a_{mm} F_m^2 + a_{12} F_1 F_2 + \dots + a_{m-1, m} F_{m-1} F_m, \quad (1)$$

(1)

$$F^* = (F_1^*, F_2^*, \dots, F_m^*),$$

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$$y(F) = \max_F \left\{ a_0 + \sum_{j=1}^m a_j F_j + \sum_{j_1=1}^m \sum_{j_2=1}^m a_{j_1 j_2} F_{j_1} F_{j_2} \right\}$$

$$Z(F^*) = b_0 + \sum_{j=1}^m b_j F_j + \sum_{j_1=1}^m \sum_{j_2=1}^m b_{j_1 j_2} F_{j_1} F_{j_2} \geq z$$