

$$F_{1}(x) \rightarrow modx$$

$$F_{1}(x^{0}) \geq F_{1}(x)$$

$$F_{1}(x^{0}) \geq F_{1}(x)$$

$$F_{1}(x^{0}) \leq F_{1}(x)$$

$$F_{2}(x^{0}) \leq F_{2}(x)$$

$$F_{2}(x^{0}) \leq F_{2}(x)$$

$$F(x) = 2x_1 + 4x_1^2 - 3x_2 + 2x_2^2 - x_1 x_2 + 3x_3 + 4x_1^2 - x_1 x_2 + 3x_3 + 5x_1 x_4 + 8x_4^2 - x_1 x_2 + x_2 x_3 + x_4 x_4 + x_4 x_5 + x_4 x_5 + x_4 x_5 + x_4 x_5 + x_5 x_1 x_4 + x_5 x_4 + x_5 x_5 + x_5 x_5$$

$$21_{1} - 42_{1} + 32_{3} - 72_{3} = 10$$

$$21_{1} + 32_{1} - 72_{3} + 62_{3} = 8 \times (-1)$$

$$3x_{1} - 43x_{2} + 33x_{3} - 7x_{3} = 10$$

$$-3x_{1} - 3x_{2} + 7x_{3} - 6x_{5} = -8$$

$$-7x_2 + 10x_3 - 13x_3 = 2$$

$$7x_2 = \frac{2 - 10x_3 + 13x_3}{-7}$$

$$\eta_1 - 4\eta_2 + 3\eta_3 - 7\chi_3 = 10 \times 3$$

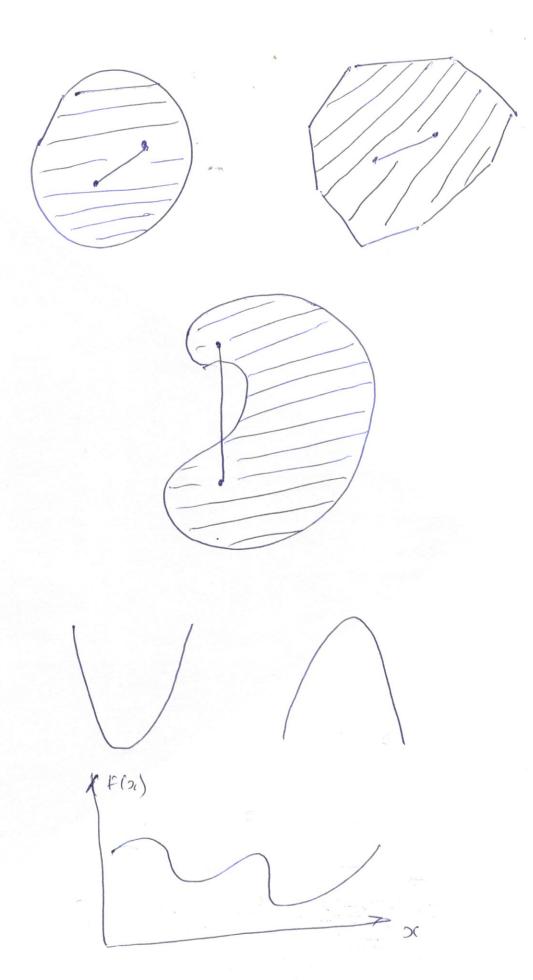
 $\eta_1 + 3\eta_2 - 7\chi_3 + 6\eta_3 = 8 \times 9$

$$3\eta_{1} + 12\eta_{2} + 9\eta_{3} - 21\eta_{4} = 30$$

$$4\eta_{1} + 12\eta_{2} - 28\eta_{3} + 24\eta_{3} = 32$$

$$-19\eta_{3} + 3\eta_{3} = 62$$

$$7_{1} = 62 + 19\eta_{3} + 3\eta_{3}$$



Programasa Quadratica

$$F(x) = a + \sum_{i=1}^{4} b_i x_i + \sum_{i=1}^{4} \sum_{j=1}^{4} C_{ij} x_i x_j - u_{in}$$

$$\sum_{i=1}^{4} dx_i, \sum_{j=1,2,...,M} h_j, j=1,2,...,M$$

Programajos Dinâmica

FO deve ser sepenada

 $F(x) = \sum_{i=1}^{u} f_i(x_i)$

multiplica tiva

F(2)= 5x, 432, 62, e2

 $F(x) = \prod_{i=1}^{q} f_i(x_i) \left[F(x) = \left(Sx_i \frac{tgx_i}{x_i} \right) \cdot \left(6x_i \frac{x_i}{x_i} \right) \right]$