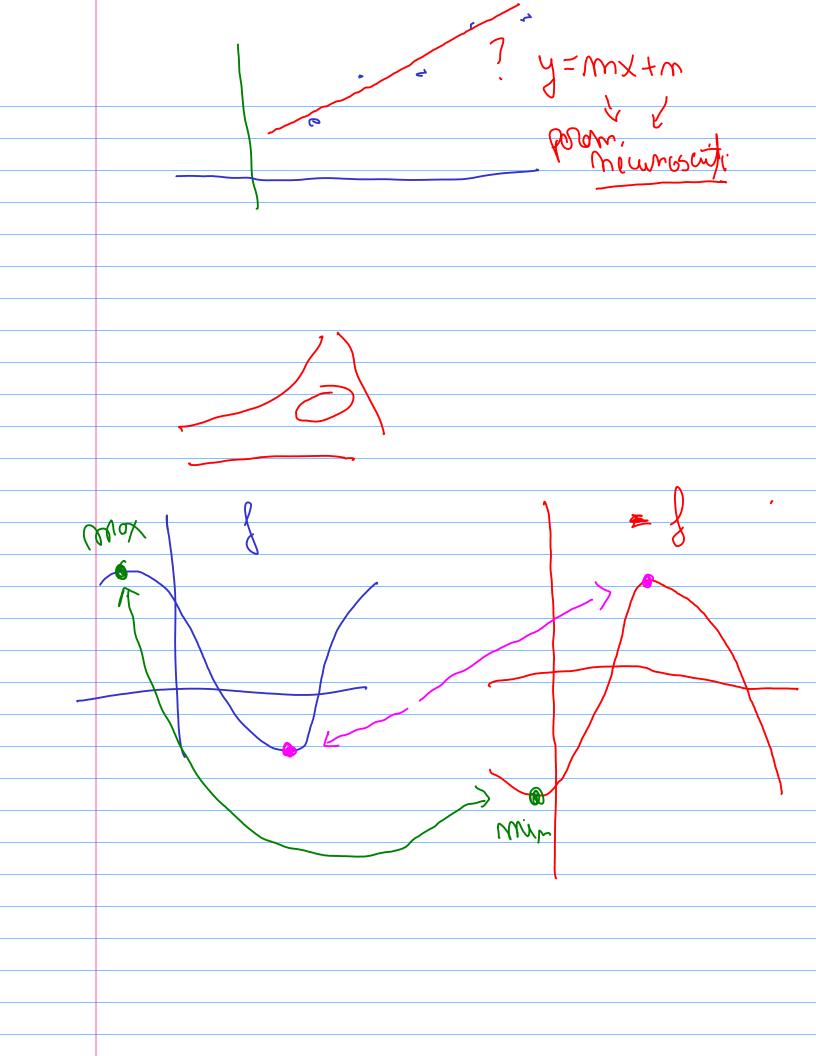
Jehnici de Optimisare g(x) Solufia problemi min xe[a,b] = (x-1) > 0

-> torgenta poroleté  $y = \frac{1}{2}(x_0) \cdot (x_x_0) + \frac{1}{2}(x_0)$ =  $\int_{1}^{1} (x^{0}) \times - \int_{1}^{1} (x^{0}) x^{0} + \int_{1}^{1} (x^{0})$ porta drupti = ((xo) drapte surendo or condia: 4=0.x+c Conditie de aptimolitate:

XX este solution pt produmo min J(x) Si  $X^* \in (\alpha, b)$   $X \in [a,b]$ atuni f(x) = 0\$(X)=6x+x+X+1  $g'(x) = 2xe^{x^2} + 2x + 1$ 

Resolvem  $2 \times e^{X^2} + 2x + 1 = 0$ X = ? imposibil anothic (!) Mas optimizar: genereaté un sin (m) > 1. XEIR, AEIR MXM Sym ps. dy  $(x^{1--}x^{2})$   $(x^{$ 

 $A = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ p = 0Exemply:  $\times ell^{2} \times = \begin{pmatrix} x_{1} \\ x_{2} \end{pmatrix} g(x) = \begin{pmatrix} x_{1} \\ x_{2} \end{pmatrix} \begin{pmatrix} x_{1} \\ x_{2} \end{pmatrix}$  $= (X, \times_2) \left( \begin{array}{c} X_1 \\ \times_2 \end{array} \right) = X_1 + X_2$ in jurul minimului Glimific Tupulati Slaming ur o boroporç Gösines de modele motenatie Fundy model Core dypinde de poremitri. X1 1m1 xm



distate minimalà Opt ossignment A: 41,231 -> 41,2,35 A - bijectiva -> permutant AIN -> 3  $A(2) - 2 3 \times 7 \times 1 = 3$ A:31--, my Abjedice: m! possibilité! Ago brute Joru: complexitate O(n!)