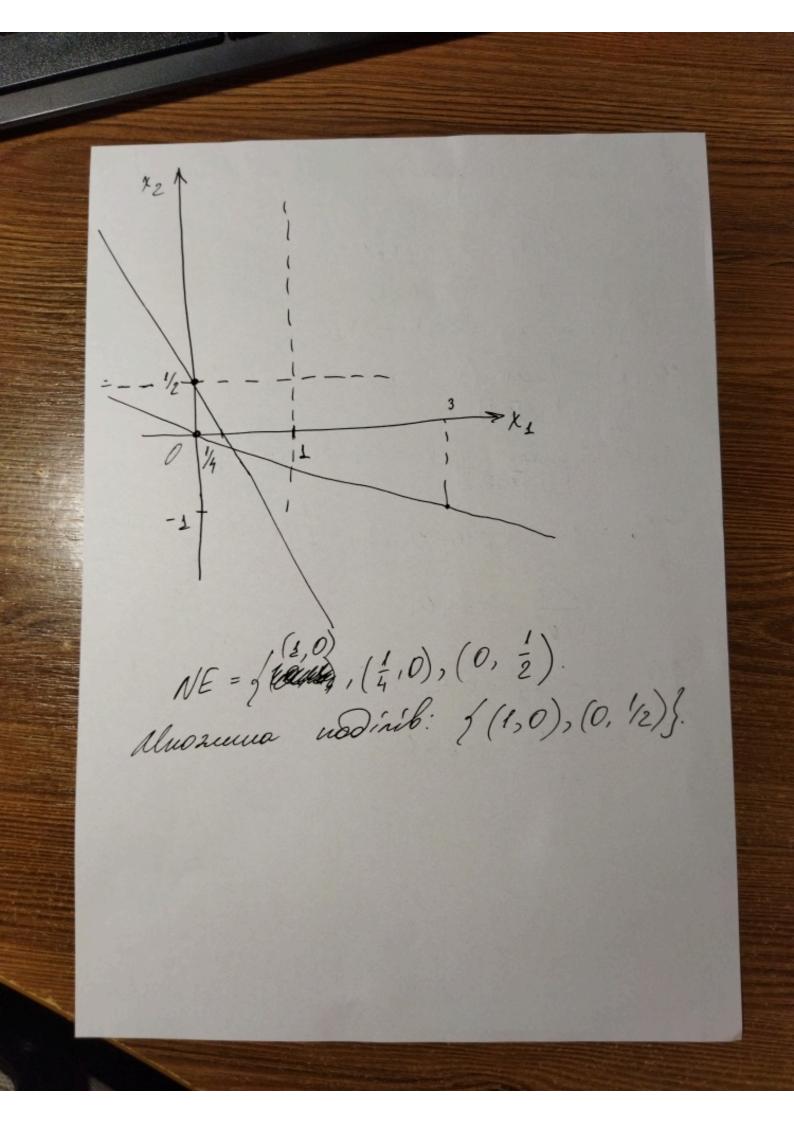
Moderana Rond Foodsa

3 Récolsi unimens humens
Expensa répun CATP-3

Français so Bradinales

Sapranés s

1) Buaire renoming now inib Que zpre 2 -x oció: X, = [0, 1], X, = [0,1/2], U((K) = X, - 2X, X2 - 2X, U2(K) = 2x1 - 2x1 x2 - 3x2. U, (x) = man (x, -2x, x2 -2x,2)  $u_{2}(\hat{x}) = \max_{k_{2} \in [0,0.5]} (2x_{1} - 2x_{1}k_{2} - 3k_{2}^{2})$ Que, = 1 - 2x = 4x = 0, x = = (1-2x2),  $\frac{\partial^2 u_i}{\partial \mathbf{y}^2} = -450.$  $\frac{\partial u_2}{\partial x_2} = -2x_1 - 6x_2 = 0; x_2 = -\frac{x_1}{3},$  $\frac{\partial^{3}u_{2}}{9\kappa_{1}^{2}}=-6<0.$ 



Juaisses C-ceofo (be primenus) y efst 5 oed Tuny (0,1) 3 macryphuses xall . F-ero: 1 = (2) = /2 ) V(51,35) = 0.6; U( (2,3)) = 0.8. 1: X1=X, X2=4, X3 = Z. Kz + 12 > 0.5 X2 + 23 > 0.6 K2+ K3 > O.8 3. x 5 20 8 y = 1 - x x = = 3 - x 2. ×>= 8 = (1-2x) < 9 < = (5x+2) & = >= 9 3. x>= 3 y x + - y = 2 = 3 - x. 2) Redin N 2: (0.15, 0.35, 0.45) 2) Fran N2: (0.5, 0, 0.8) 3) Tradin N3: (USCOLACIO) (0.8, 1,0) (unnow) (= 1 x = 12 (0.15, 0.35, 0.45)+

 $+ \lambda_{2}(0.5, 0, 0.8) + \lambda_{3}(0.8, 1, 0) | \lambda_{1,2,3} > 0,$   $\lambda_{1} + \lambda_{2} + \lambda_{3} = 1.$   $\lambda^{*} = (0.48, 0.45, 0.41).$