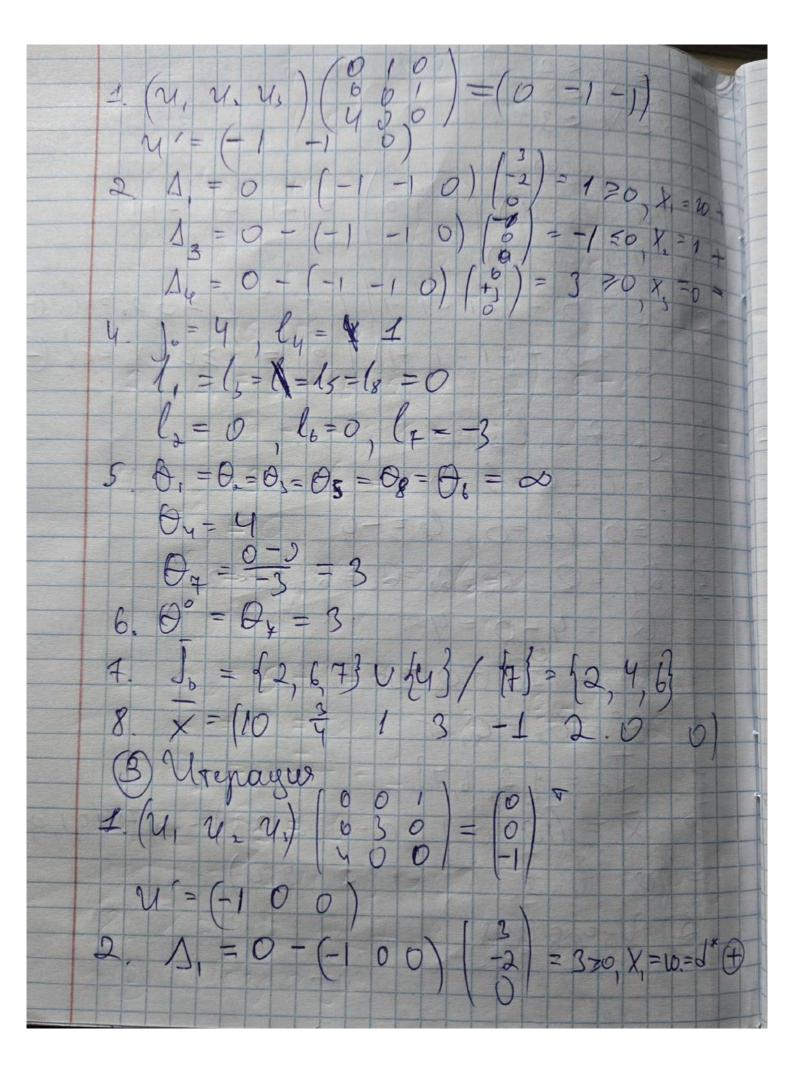
Laganne 7. $-X_3$ + X_5 = 30 -4X3+15X4+5X5-max Merchas goga (10,01,0,-1) 30,1,0,-1,0,0 -11,0,0,0,0 -11,0,0,0,0 -11,0,0,0,0 -11,0,0,0,0 -11,0,0,0,0 -11,0,0,0,0 -11,0,0,0,0 -11,0,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0,0,0 -10,0 -10,0 -10,0 -10,0 -10,0 -10,0 -10,0 -10,0 -10,0 -10,0 -10,0 (x)=-X0-X7-X8->max + X7 + X8

0 = X6 = 2 0 = X7 = 9 0 = X8 = 3 D'Urchangus (U, U2 U3) (0 10) 1 = 0, 1, = 0 2 , (2 = 1 - la= ly=6=0 Co=0, l7=0, l8=-4 5. Q, = Q, = Q, = Q, = Q, = Q, Q2 = 4-0 = 4 Q8 = 0-3 = 0,75 6. 0° = 0, 75 $7 \quad J_5 = \{2, 6, 7\}$ U-changes



13 = 0 - (-1 00) (0) = 1 = 0, X3 = 1 = dx (D)

15 = 0 - (-1 0 0) (0) = 1 = 0, X3 = 1 = dx (D) (0, -0, 25, 0, 0, 1, -1, 0, 0) $5. 0. = 0, = 0, = 0, = 0, = 0, = \infty$ 05 = 3+1-4 0 = 0 + 0 = 3 0 = 0 = 2 0 = 0 = 27. Jo- {2,4,6} U(5)/ {6} = {2,4,5} 8. X = (10 + 1 3 1 0 0 0) (4) Urchaigus 1 (M, H2 U3) (001) = W=(000) 1, = 0 - (0 0 0) =0, x, = 10=d* (+) 13 = 0 =0, X3 = 1 = 0x (+) 16=-150, X6=0=cx (1)

@3 (21, 22 21,) (6001) = (0) T (= (5 5 0) 2. $\Delta_1 = 5 - (5 5 0) \begin{pmatrix} 3 \\ -2 \end{pmatrix} = 5 - 5 = 0$ $\Delta_3 = -4 - (5 5 0) \begin{pmatrix} -2 \\ 0 \end{pmatrix} = 120 \chi_3 = 1$ $\Delta_3 = 3 \quad \ell_3 = 4$ =-t, lu=0, l=1 0.-4 1 0 1) $5.0_3 = 5 - 1 = 4$ $\Theta_1 = \Theta_2 = \infty$ $\Theta_2 = \frac{0 - \frac{1}{4}}{-\frac{1}{4}} = 1$ 7. Js = {2,4,5} U{3}/{6 R=(10023 Urenaugur

L. (u, u, y, (0) 36) = (-4) (u') = (4 5 1) (u') = (4 5 1)