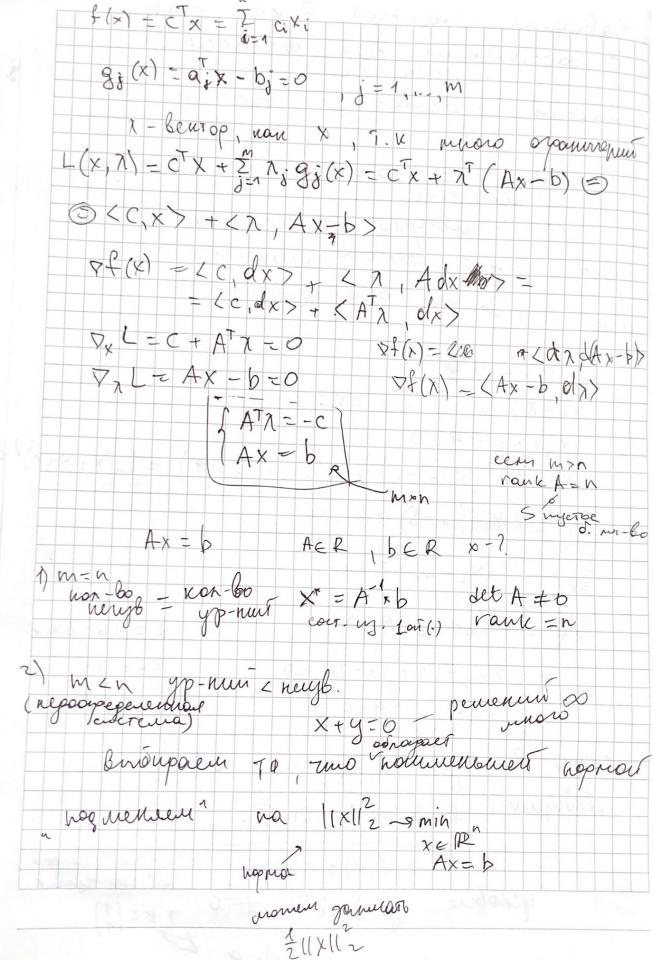
$f(x) + \chi g(x)$ $(x_1 - 8)^2 + (x_2 - 6)^2 = \Gamma^2$ $(x_1 - 8)^2 + (x_2 - 6)^2 + (x_1 + x_2 - 9)$ = L(x1×27)2 2 - (2 MAK(x1-8) + 7 = 0 $\frac{\partial L}{\partial x_2} - \frac{1}{2}(x_2 - 6) + \lambda = 0$ 3L - (X1+X2-9-20 1=16-2×1 2×2-12+16-2x,=0 ×1+×2-9-0 o o o o yun. , f(x)=xTAx+BTx+C) yenobre $g(x) = k^T x - d = 0$ $\exists k = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$ d = q



Conquiar yp-nui Cucterna nxm mx1 0=0 nx1 ubronigen. A x (- AT,)-AAT + 7 = - b man ham man mat you Su mo mat yo Mch ecm Bret ronno nielogooparken mai M7h nes repearale. $\frac{1}{12}$ $\frac{1}{12}$ f(x) = (Ax-b, Ax-b) df = 2×2 (Ax-b, Adx> $\nabla f = A^T A \times - A^T b = 0$ n×h ATAX = ATB Bew .n×1
n×m m×n n×1 n×m m×1 nLm mat ya coulet manuni Rank => Melerpany. oppean. mat. - Tome neelogoods AT

