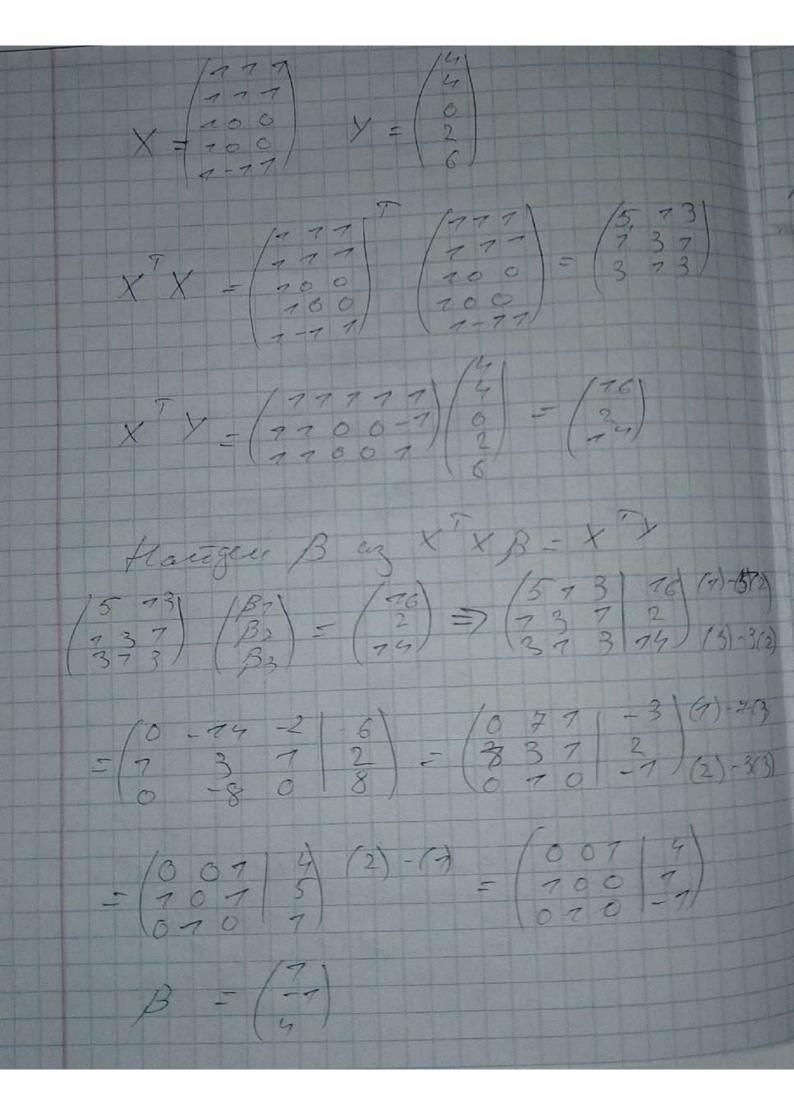
1) Eara QER" 4 KER", 70 DAT =9  $a^{\tau}x = \stackrel{\circ}{\underset{i=\tau}{Z}} q_i x_i$ Dax - D 2 an = dk 07croga cregget, ==0 3992 =9 2) Ecry A = Pm, re = R", 70 2 Ar = A (Ax); = 5 anxe, orenge cue get z d(An); ais, i=7, m j=7, n  $\frac{\partial}{\partial x} = q$ 3) Eu AE R 4 XER, 70 1 29 Ay = (A+ A)2 Eun 475 A, 50 2 N/12 2 A2

= = 9x, 8; + = 9ix 2; = = (4x)x + (+1x)x 0 x croge cregges: 2 (x x 4x) = Ax + 1 x = (4 + 4)x 2 x (x x 4x) = Ax + 1 x = (4 + 4)x 4) Ecu XER , 70 21121 - 27 211x11 - 2 ( = 7 1; 2) - 2 xx Orcroga charges:

2 11 × 11 = 2 × 459 5) Een 3-cma er pros grynniges a nog good nommentes n pulse - et grynnigen g re namger nommer de proprincipal y e p. 70 d g (2) = diag (g'(2))

 $\frac{\partial g(n)}{\partial n} = \left(\frac{\partial (g(n))}{\partial x_7}, \frac{\partial g(n)}{\partial x_2}, \dots, \frac{\partial g(n)}{\partial x_n}\right)$ 6) Exec h: R" > R", g: R" > RP, 2 e R" , To 2 g (hen) = 2 g (hen) 2 hors de g (bess) - ma = percesa p. m I hom - mar jung min 2 91 (h(2)) = 13 - 2 9, (h(2)) 2 hara 13 x 7 7 0 0 - 1 9 4 4 0 2 6 Meroge Haun. Begnard nocrpsois nogen lagga for) - Bo + Box + Box



Hat gennas e eoget ATX) = 7- X +4+2 Megere pagerperpercen e reparença - (5 73) + (0 70) = - (3 73) + (0 70) = 373) - (6 73) - (7 9 7) 3 7 9) the (X X + X I) B = X TY, weeigen B  $\begin{pmatrix}
6 & 73 \\
2 & 7
\end{pmatrix}
\begin{pmatrix}
B_0 \\
2 & 7
\end{pmatrix}
= \begin{pmatrix}
7 & 5 \\
2 & 7
\end{pmatrix}
= \begin{pmatrix}
7 & 5 \\
2 & 7
\end{pmatrix}
= \begin{pmatrix}
7 & 5 \\
2 & 7
\end{pmatrix}
= \begin{pmatrix}
7 & 5 \\
2 & 7
\end{pmatrix}
= \begin{pmatrix}
7 & 5 \\
2 & 5
\end{pmatrix}$ Mag 16

9 0 0 0 0 0 0 7 7 7 Be 1 4 = 64 - 5 Pr 1 4 - 73 = 3 Chequie que meaced pie (2) fer = (3)

Buch por succe marquisce molequiances

gree dangere marces

(x'i)- si;)

13-7 yii)=5 (x ci) - us)  $\frac{5}{2}$  =  $\frac{7}{9}$   $\left(\frac{9}{2},\frac{3}{2}\right)$  =  $\left(\frac{7}{0.5},\frac{6.5}{0.5}\right)$ 至, - 元 (元) - (元) Оценивания, нестрину повернами - 1 & (x")- /1x).  $(x^{(1)} - \frac{1}{16x})^{2} = \frac{7}{6} \left(\frac{6}{3}, \frac{3}{7}\right) = \left(\frac{7}{0.5}, \frac{5}{3}\right)$ 

Ducapeun rears relie go-cee, 35(x)=x7 25(x)=x7 25(x)=  $\frac{1}{2} - \frac{7}{5} = \left(\frac{2}{2} - \frac{2}{5}\right)$   $\frac{1}{2} = \left(\frac{3}{3} - \frac{2}{3}\right)$ 7-7-(88--6) Bo(X)=(X-X2)(815-615)(7)-7-1-(8 -6) (7) + (n (3) --6 -2 (0) + (n (3) -- 8 x - - 6 x 2 - - 7 x ( 9 ( 8 ) 8,(x) = 78 x - 6 x - 24 + 7 - 3 There was bo = bold parge inverse 8 x 9 - \$ x = - \$ x = - \$ (3 (3) =

5 78 X7 - 6 x2 - 24 + 14 8 2 27 - 47 (2, 3=0 3 (x) = - = 1 14 (det 2) - 3 (x. 13) 2 = (x - 10) 7 x 74 (P, 145) Bors=-x7-2x2 + 2x7x2 + 2x7 3 - (x) = - 3 (4 (-3 - 2x3 - 2+2+ + 2 x7 x2 + 70 r - - 2 x2 - 74 x 37 4 3 Desgensiones nobeparato repachy X0 + 4 ×2 - 9 × 7 ×2 + 5 × 7 + 4×2 - +7 × + 3 Cu3 - 3 Cu5 = 0

2001777007770 3201001117799 40000000017777 Pr (V=01 x=1, K=1)= Pr (Y=0) Pr (X==71 X=0) Pr (X2=71 Y=0) P- (27 = 7, 22 = 7) Pr (x=7/x=7, x=7) = Pr (x=7) Pr (x=7/x=7)
Pr (x=7/x=7) Overubasine anjumprime beje - 75 Pr (1=0)=3 Pr(1=7=3=3 Оденивонией умовите верентися. Pr (X=01 X=0)== Pr (X=7 1 X=0)=== Pr (X7=01 1=7) == Pr (X7=71 1=7)=3 Pr(X2=01 /=0)=== P-(X2=71 /=0)=== Pr(X2=01 /= 7)=0 Pr(X2=7/1=7=7 Pr (X=7 X2=7) = Pr (Y=0) Pr (X=11 Y=0) · Pr ( X2 = 71 4 = 6) + Pr ( Y= 7) · Pr ( Y= 7). Pr (1/0=71)=7). Pr (X2=71/=7)= 50

