Tepurx Dalous 14 Okmedfer 2)/2 wa 0 N 35 L(y',y) = (y'-y)2 20-76 f (20) = arginin E(1/-e)=1 X=2) => f*(n) = E(Y/Y=X) Plueeue. $E((Y-e)^{2}|X=x)=E((Y-E(Y|x))$ + $E((Y|ne)-e)^{2}|he)=$ = E [(y-E(y/2))2/+E[E(y/x-e)2]+ + 2E L(Y-E(Y12e).(E(Y12c)-C) $2EI(y-E(y_{12}))(E(y_{12})-e)=$ =2 El V- E(YIX) (E(YIX)-e)= = 2 (E(Y/n) - E(E(Y/nx))) (E(Y/nx) - e) = 2 (E(Y/nx) - E(Y/nx)) (E(Y/nx) - e) = 9 oemaroes moucoco E[(Y-E(Y1x))2/2]+ E[(E(Y1x)-c)2/2]-1mil

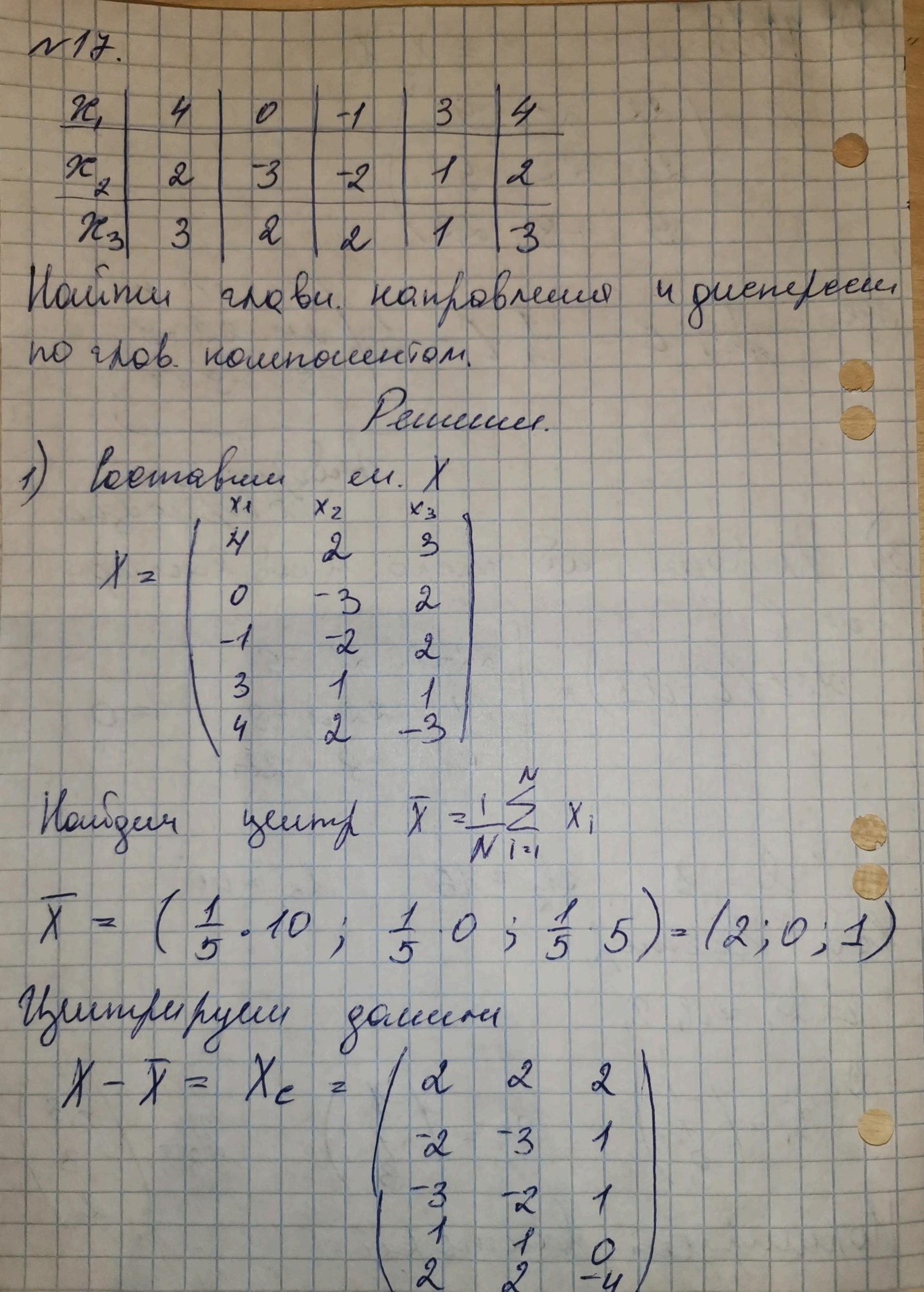
mn no e => bospuer nperghoous 2 EI(E(y/x)-e)2/2 = = -2 E[V12)-0 /x] = = -2 E[4/2)/2] +de= = +2 E/1/2) + RC =0 V C = E (1/2) ano h(y,y)= /y-y), 8-76 uno 1 (2) = median (1/2e) Peruence. 8th) = angmin E(1) - c//=x) * Mequacep = kbourtent ynobine 2. Bozbeeeeer plougtop no C. Fe E (14-e 11 (122) =

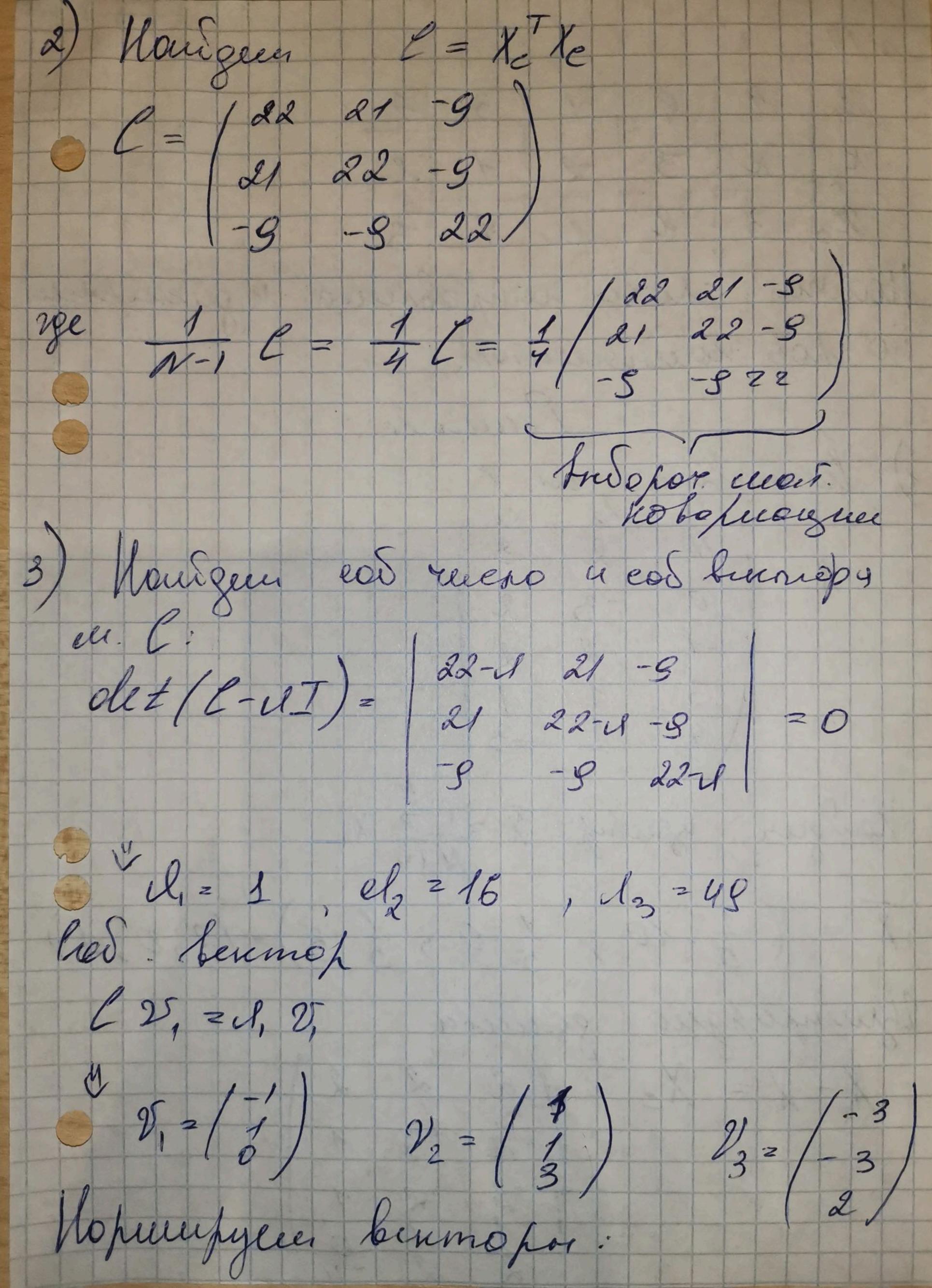
= 3 (J/y-e/p(y/re)oly+ J/y-e/p(y/re) = / = ly-e) ply (re) oly+ /= ly-e) ply moly= = - I ply/re/olzg + Iply/re/olzg =0 Jp (y/ne) olig z Jp (y/ne)olig Fy(e) = 1- Fy(c) grud paenpep "Fyre = 2 2) hobbiture probèce à Mequono e= Fy(\frac{1}{2}) = median (1/1x) N37. L(y', y) -? f 12 /2006 (1/2 Penence

ellogg morng enance momuoeres fte)= argmax p (4/2e) Rld) = £ L(y, An) = \$\int L(y, An)\p(x, y)obrdy

Rogolepece 2; ma v3 beenwee your encomplerer, mo & g unaccerganougher. J h (y, fin) = Ly + fine)] $R(f) = \frac{2}{3} \int [y + f(x)] p(x, y) dx =$ 2 p/n, y) 0/2+ /p/2; fix) 0/2 = 1

Re ythin) (2) 1- 1 plas fine) of -> min p(x, fine) olar -> mox f/2e) = ang max pmz =) => L= [y + fiz]





2, = \frac{12}{2} \bigg| \frac{1}{1} \bigg| \frac{1}{2} \bigg| \frac{11}{2} \bigg| \frac{1}{3} \bigg| \frac{12}{2} \bigg| \frac{13}{2} \bigg| \frac{12}{2} \bigg| \frac{12}{2} \bigg| \frac{13}{2} \bigg| \frac{12}{2} \bigg| \fra 21, 25, 23 - 200 fune noumo hearth N-1 U1 = N-1 01 = 4 mo provin N-1 d2 = 1/2 /2 4 N-1 ol3 = 1-1 03 = 49 nounoice 4791

N4.1. N 5 / 9e")-25 - 2 / 2e"-25, 2;>2:1/2 >min 120 (1) - 20, - 2/2 (i) - 20/808d; 2/3) 2+ (20) - 202 - 2/2 (i) - 25/08d; 2/3) 2+ ... > min (20) - 202 - 2/2 (i) - 25/08d; 2/3) 2+ ... > min 20) - 202 - 2/2 (i) - 25/08d; 2/3) 2+ ... > min var equevi, ann j² 1, k²> Vo² + De; 2 Te quar equeve, ann