1 5 x(x-1) a(q-1) (N-9)+199 (4) x=2 x(x-1)(x-2) (a-x) (n-x) N (N) x= (x-2) (a-x) (N-9) + 19 (N) x= (x-2) (a-x) (n-x) + N y=x-2, x=y+2 sellinde desister desistirelin (a(q-1)) $\sum_{y=0}^{n-2} (a-2) (N-9) + (nq - a(a-1)) \sum_{y=0}^{n-2} (a-2) (N-a) (N-$ + na - -a(a-1) (N-2) + na (N) (n-2) + N =9(a-1)n(n-1) + 19 - na((a-1)(n-1)(N-1)) $\frac{Var(x)=na(na-a-n+N)-n^2a^2}{N(N-1)}=\frac{N-n}{N^2}\frac{n\alpha}{N}\left(1-\frac{\alpha}{N}\right)$ POISSON DAGILIMI E(x)= 5 x e-2 x = e-2 x 2x = e-2 x x = e-2 x = e-2 x = e-2 x = e-2 x = e-2 x = e-2 x =

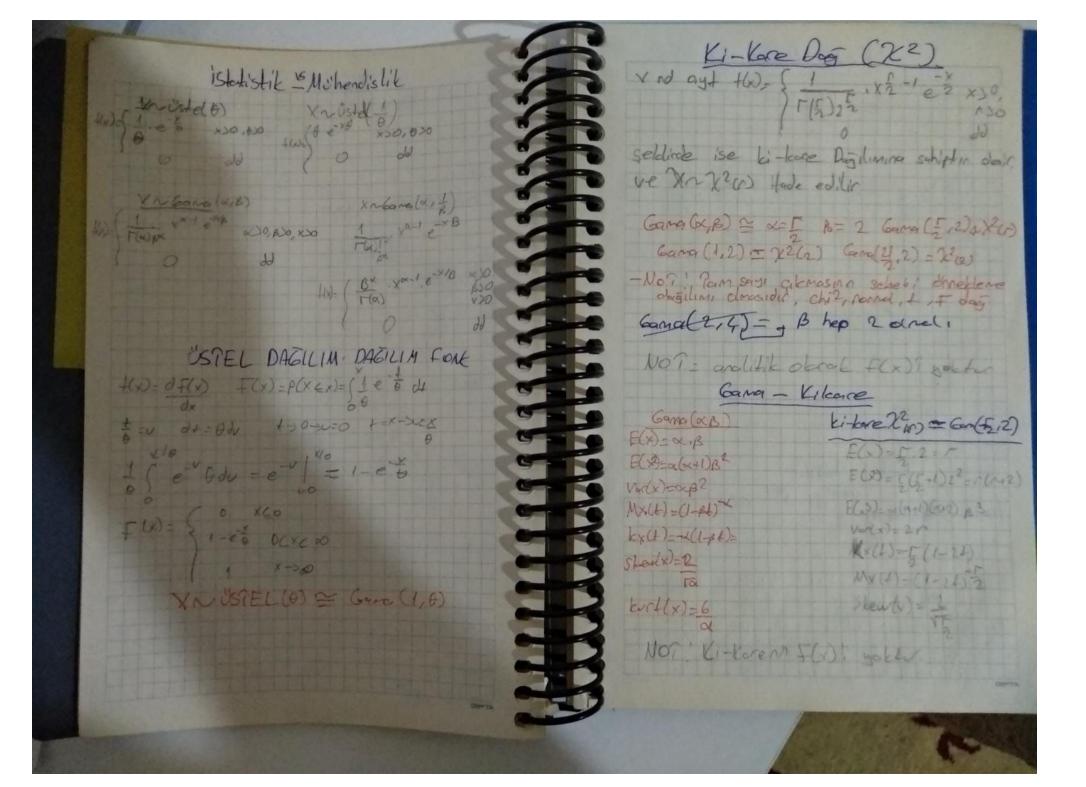
E(2)-5 x2 en x = en 2 xx = en 2 x = en = enn 5 1×1 -ennen = n MOMENT CRETEN FONK Mx(t)-E[ext]= Sextennx==nsecensx
=enext=enext==nx!
=enext=enext=1) Kimilant CRETEN FONK KH = (n(Mxt)) = dn(n(Mxt) - n(et-1) CAPPINSAL LEBRARGERISTIK FONK 1=1 2) Nx(+) = 2) (en(+1)) = 2) CARPIKLIK 13(1) = 1 = 1 = 1 = 1 BASILLIK KURTOSIS 164(+) 7 E(X-E(X))4) Hepsin ac,

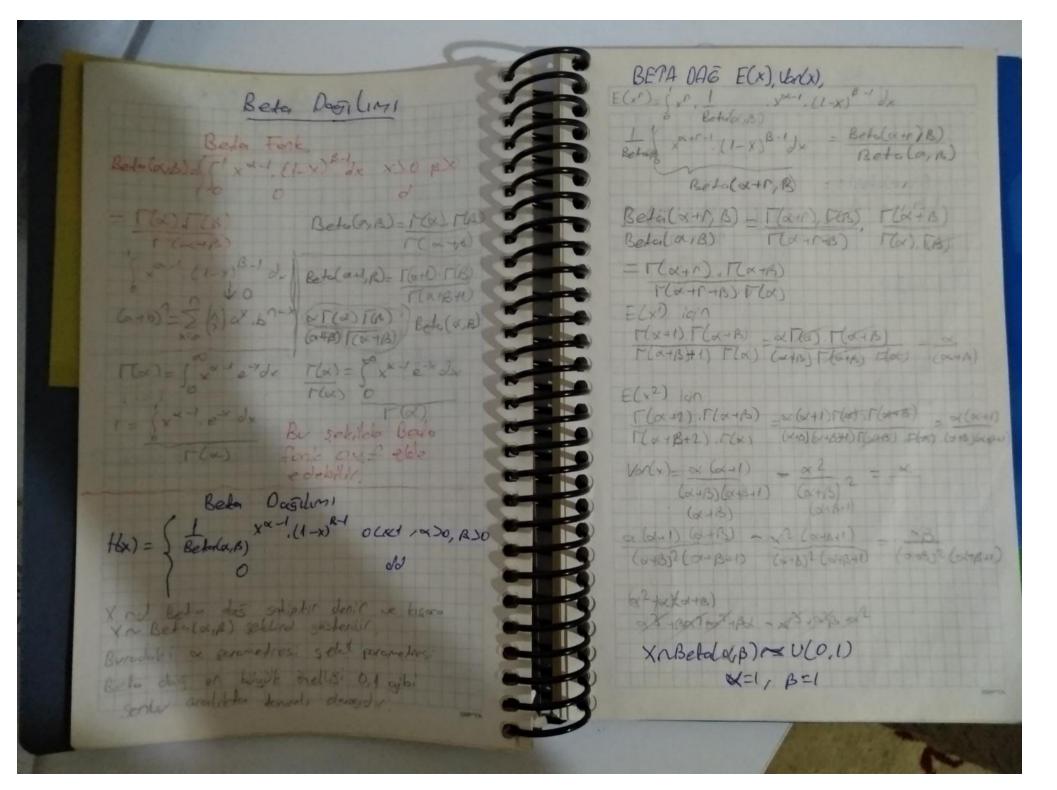
EX47-4 ECX5)ECX7-6 E(x2)E(x)2-3(E(x)34 Bir birim zamon vega alanda X rd 2 porometres; ile poisson dogiliyon ise a birim zoner, not youda alarch X rd a 12 parametres ile poisson Dagilin UNIFORM COUZEUN DAGILIM) +(x)= { 1 acxcb sellinde verilmis ise X rd (a1b) vapali as X rd (a16) kapali adding disgin veya unitarn dag i) x E(a,b) ise +(x)=1 so b) a old gare 0,4 11) \$ +(x)dx = \frac{1}{a} = \frac{1}{b-a} = \ $E(x) = \begin{cases} x + (x) dx = \begin{cases} x / 1 - x^2 \\ 9 & 6 \end{cases} = \frac{b^2 - a^2}{2(a-6)} = \frac{b^2 - a^2}{2(a-6$ vortx)= 92+66+62 - 02+62 = 62-206+92 = (6-c)2

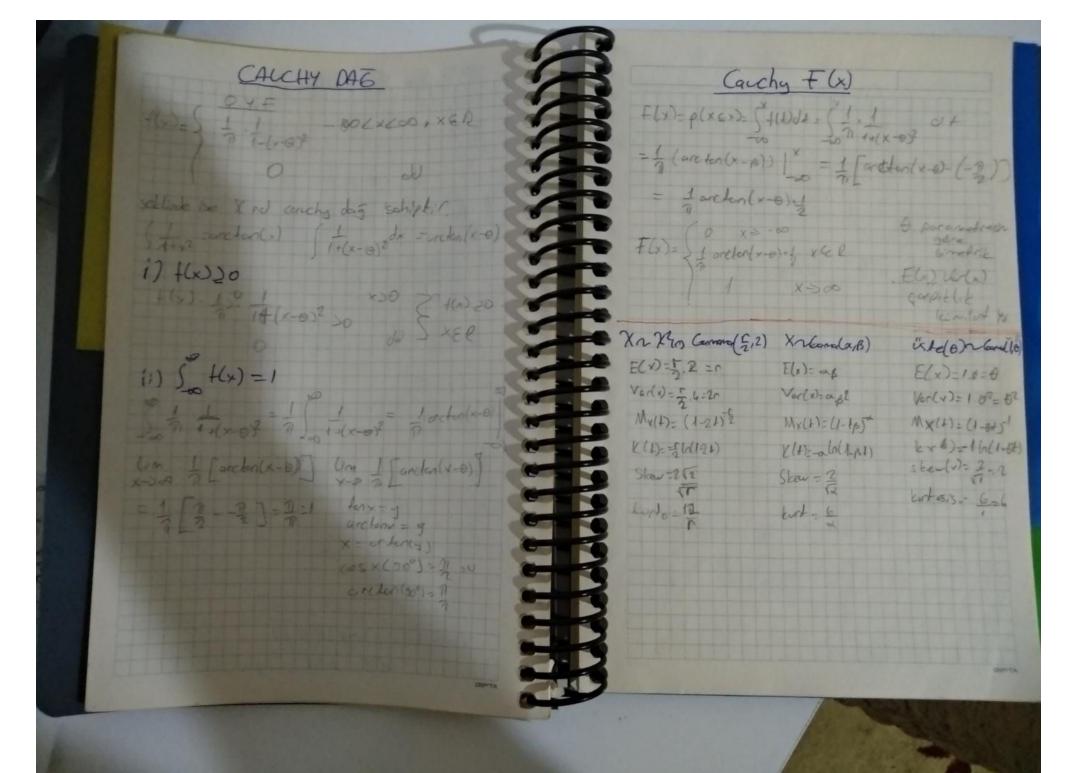
MOMENT DEFTEN TONE Mx(8) = E(00) = 5 00 1 = 9 000 - 6x 1 1 000 /2 + (6-0) (4,B) GAMA DAGILIMI sall sound Clasilit Yasinlet Fork HX)- { 100px x -1 c - 1/2 kin 00, x > 0, R>0 E(x)= 5 x 1 x x -1 e x/Bdx = 1 8 x x e x Bdx UB, dx - Adu desistenten desistinelin 1 S (yB) x+1 e pol = 1 pox of ox. e d BX-1 F(X+1) BX.B. X F(X) = XB E(x2)- 5x2 1 xx-1.e-x/Bd = - T(x)BX Xx+1 exp dx AU-X BUX DX-BOUK TOO BOX (VB) X+1 e-v Bdv- Trupt 10 0 x+1 e-v do Ba B2 (xx1) x [(x) = (x2+x) B2 = x2 2 +xB2 (16) Ba

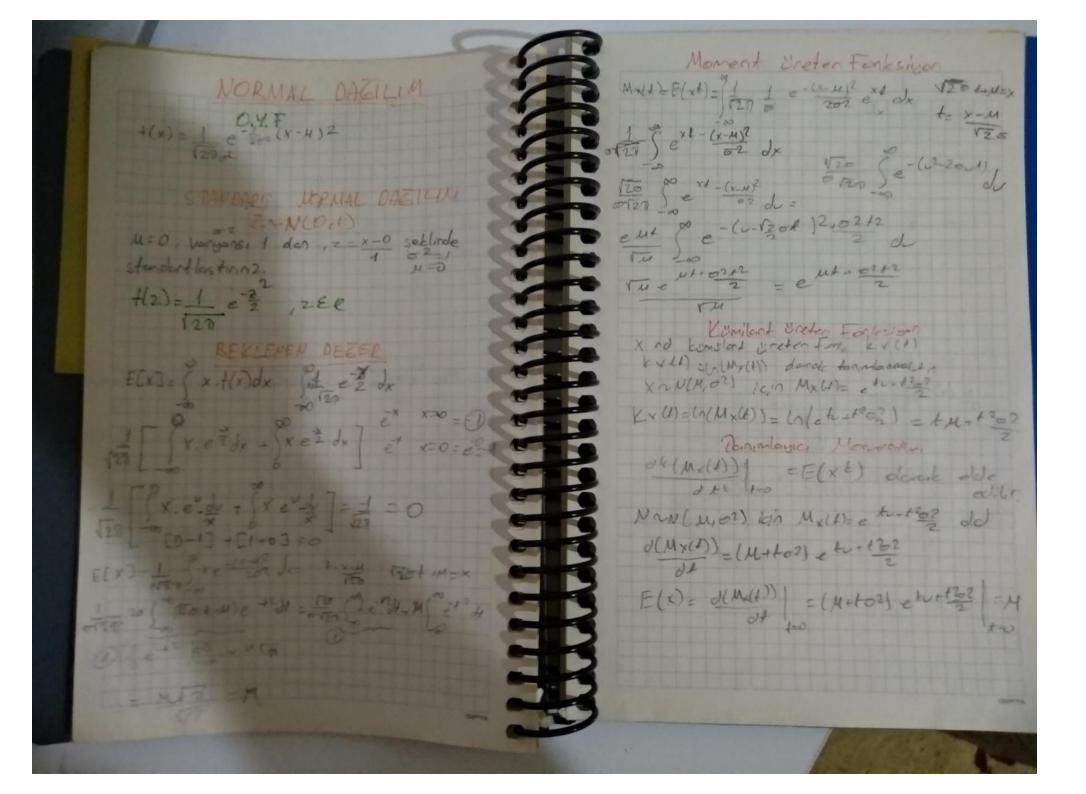
Ver(x)= 0262+062-0282-062 MOMENT BRETEN FONKSIYON Mx(+)= F(ext)= 0 ext 1 2 x x 4 ext - 23 de - 1 (xx-1 e - x(1-10)13 dx TOO BOX (1-+B) - E B du - 1 (1-1B) B BY (0-12) 1 BX F(X) (1-18) MX(t) ile 1 ve 2, momentler; ile congons 1. MOMENT 01 (1-18) (1-18) = ~ (1-18) = ~ p(1-18) = ~ B 2 MONENT 02 Mxt = d' xB(1-+B) = xB(x-1)(1-+B) ==xB(-x-1)(1-+B) ~2B2-XB2(1-+B)~2 = ~2B2-XR2 Vad x): 03p2-0p2-2p2= xp2 1(x) - x9-1 - VIBG

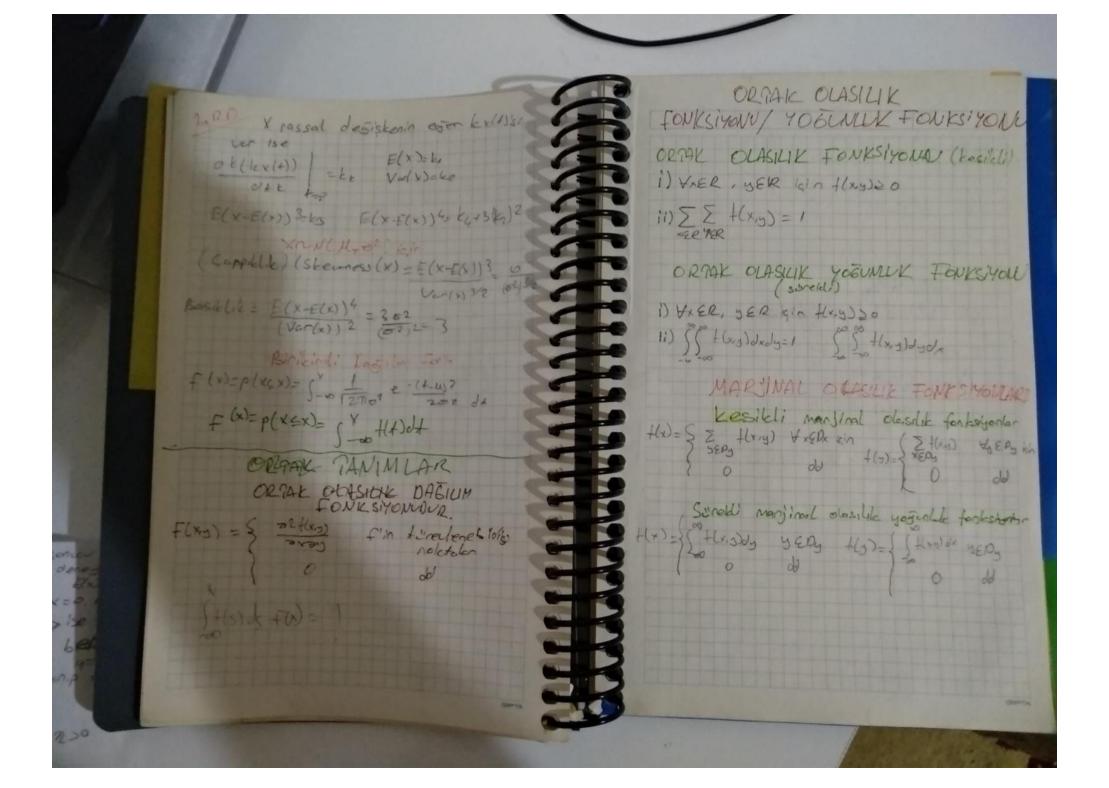












KOSULU OLASILIKIOYF fxly= > +(x1y)= & +(x,y) x = + (y1x)= { + (xy) f(x)>0 4 yEly 1x KOVARYANS (ili designanto ibirbino sono COV(X,Y)=EC(x-ECX)(y-ECY))
E(XY) T(X)F(Y) bagins12 ise o KORELASYON KATSAYISI dognosal ilista Px. y = Cov(x, y) | Px. y | 61 ise Varder. Varder. Varder) -1 CPXYCI O ISE begats yaklasyors a listi yak Bagonsizlik: f(x,y) = f(x),f(y) varyons ; bir desistin varyons, upain ortdonedan sopralama logo