NS. Tycib X = (X1,..,Xn) - 60 dapka, PX1(X,0) = ex+0 I(X>0), 790 Dell O Nenonb3ya Z X; - n O ~ [ (1,n), noctponie
Tornon gobernient unterbon ypobna 1-2 gaz nagarespa E В Лодройне аспитотия сект дов-ба Интерва upoling 1- 2 ges Map- pa 0 a) = X; -n 0 ~ F(1,n), +0. Morga Hangen Takne a, and ar Treospazyen: P(-az<no- = X; <-a1) = Pacifique ne carespiono, Toro nouoxur Q = 0, +078a S = 1-d=> Q = X = X = X

Pobepur unreplan: (- X3-x + X, X) 8). EX =  $\int_{\Omega} e^{-x+\theta} dx = e^{0} \int_{\Omega} e^{-x} dx = |convengen|$ = = e = | X de x = | 100 1200 = =-e0ex/2+e0jex/x=0-ejex-x= = 0 - e e x = 0+1 DX=? EX= Jex+0x2dx=-e Jx2dex=  $= -e^{\Theta} x^{2} e^{-X} |_{0}^{\infty} + 2 EX = \Theta^{2} + 2\Theta + 2\Theta$ DX = 02 + 20 + 2 - 02 - 20 - 1 = 1 0 TO THAT : JO (X-10+1) - N(0,1) P( X-(0+1)) < Z1-2) ->1-X P(-ZX-= -X-1 (O( = = + X-1) -> 1-X Unreplan nongrett, Wanton Haxogaria no talange

12 Tyan X= (X,, Xn) - 650pra. X, ~ W[0,0], 0>0. a) ll anoshoys og my us cratuciux XIII, XIII, XIII, XIII X, NO CIPO. Dogonte acumnoranement goleper. utreplan grobes 1-x gas @ a). Hargen crazana pachpeg. gos sevennyra: P(X, < X) = P(X, < X, -, X, < X) = [] P(X, < X) (no tee 3006)  $= \coprod_{X} \frac{\partial}{\partial x} = \coprod_{X} \frac{\partial}{\partial x} = \frac{\partial}{\partial x}$ · Hosgen pacopeg 3 = Xim F= (x)=P( xm < x)=P(xm < x0)= (0x)= xn · Hyxno Gospars K Tax, mod 1 1-X = 1 - P ( xm < K) T-e P(xn < k) = 2 = kn => k = x = · P( Xm > x => @ P( 0 < Xn) = 1-2 Brezer golepur unreplans (Xm ; Xm)

8) EX, = 2 , DX, = 02 gra pabroagrano pacul NO BULL: LU X-5 -> y(0'7). TO CHOIDRY Xm - co 5097 Oyerka 0, 70:  $P\left(Z_{\frac{1}{2}}\left(\sqrt{\sqrt{1}}\right) \xrightarrow{\sqrt{1}} \left(Z_{1-\frac{1}{2}}\right) \longrightarrow 1-\lambda$ Treospozyen u nongraen P(-1/3 Z1- × X/n) + 2x & O < -43 Z × (Xn) + 2x) -> 1 × Trongraem acum mor gobern. uneplan you std.

NH. JIYER X= (X3,,...,Xn) - Bosopra, X, ~ Exp(0) DeR. Jooponis PHMK ypolar & gar mobepka Turorina 110: 0=00 motal H; 0 < 00, ~ cuono343 Newry Hennara - Papcona · P (x,0)= MO = 0x; I (x,>0) Tronga ornomenne P(x, G) Of e-O, nx P(x,Os) One-onx  $= \left( \frac{\Theta_1}{\Theta_2} \right) \cdot e^{\left( \Theta_0 - \Theta_1 \right) \sqrt{\chi}} \lambda \cdot (4)$ Turor-3a 11, rpegnorazaes, Pto Go> Os. Flor Trong Os-Os>0=7 # uz (4) chegger Pr D X > 1 ; ItO N\* Myxno Hoxoguito us Tadany 10 Hyxnosy Kbarrenso gas youebis X=Pa(X=X\*)

15 Try GB X=(X,, Xn)-bosopha, X, ~ Pois(O) OCR. Funor 35 16: 0=00 nporul albreprioriulo 11: 0>00 wood 349 revery Her mana - nup coma. P(V) = 10-0  $\frac{P(X,\Theta_1)}{P(X,\Theta_0)} = \frac{\Theta_1}{\Theta_0} = \frac{P(X,\Theta_1)}{\Theta_0} = \frac{P(X,\Theta_1)}{\Theta_0} = \frac{P(X,\Theta_2)}{\Theta_0} = \frac{P(X,\Theta_1)}{P(X,\Theta_2)} = \frac{P(X,\Theta_2)}{P(X,\Theta_2)} = \frac{P(X,\Theta_1)}{P(X,\Theta_2)} = \frac{P(X,\Theta_2)}{P(X,\Theta_2)} = \frac{P(X,\Theta_1)}{P(X,\Theta_2)} = \frac{P(X,\Theta_2)}{P(X,\Theta_2)} = \frac{P(X$ Troga & X; > X\*; \$ = 0x; ~ P(n,0) d=Po(\(\sum\_{x\_i}\),\(\frac{1}{2}\))=Po(\(\sum\_{0}\),\(\frac{1}{2}\))=Po(\(\sum\_{0}\),\(\frac{1}{2}\))= = 1-Po (Z 0, x = 0, x)=1-Fo(x+) 3+cazut X+ = = 3-2 4 ( \( \infty \times \) PHMK