-103 - 3 popenmubuel 0, 4n>1
T-3 (d. Bes chillen menotieties. painpeg.  $p(n) = \{ e^{-x/\theta}/\theta, x \ge 0, 0 > 0. \pi_0 \text{ backspace} \\ 0, x < 0 \\ \text{ostalia } n > 2 \text{ harigense oesenue}; 0, = x, 2 = 1 \}$ a) MCO, ]=MCx]=MCx]=MCx; Me = 0 -> 0, - neulleugennar La renezieu Solilo Borbegeno umo  $x = \eta \rho(t) C_{n-1} (1-F(t))^{n-k} F(t)^{k-7}$ rge 2e- Monusans paux que

B naller alytae = 2 normally  $\varphi(z) = n = \frac{1}{6} \cdot C_{n-1} \left(1 - \left(1 - e^{-\frac{\pi}{6}}\right)\right)^{n-\frac{\pi}{2}}$ · (1-e=)=n(n-1)((-==(n-1))-===n) Helyraan, amo M[6]= \$ 26(5) 95= \$ (600) 5.(600) -e=n)dz= n(n-1)+00 Z (e=-1)dz= = M(N-1) 02 to t ( ( = = = = = = 1 ) dt= = 0 (n-1) fte (en-1) de= = 0 (n-1) ( ) tet( 1-1) dex- Stet de)=

 $=\frac{n^2}{(n-n)^2}\int_{0}^{\infty} (1-u)^2 \int_{0}^{\infty} \frac{1}{(n-n)^2} \int_{0}^{\infty} \frac{1}{(n-n)^2} \frac{$  $= \frac{0h}{n-1} - \frac{\Theta(h-1)}{n} = \frac{O(h-1)}{n(h-1)} = \frac{O(2h-1)}{n(h-1)} = 0$ => Q - cuelliennan Begin  $\widehat{O_2}' = \frac{n(n-1)}{2n-1}\widehat{O_2} - vellengement$  $\int \| [0^{\frac{1}{2}}] = \int \frac{n(n-1)}{n} e^{\frac{2\pi}{6}n} de^{\frac{2\pi}{6}n} de^{\frac{2\pi}{6}n}$  $= \begin{cases} \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\ \frac{1}{2} + \frac{1}{2} +$   $0 = \frac{100}{100} = \frac{100}{100$  $=20^{n}\left(\frac{n}{(n-n)^{2}}-\frac{(n-1)}{n^{2}}\right)=20^{2}\left(\frac{n^{2}-(n-1)^{2}}{n^{2}(n-n)^{2}}\right)=$  $=20\left(\frac{3h^2-3h+1}{n^2(h-1)^2}\right)$ Tandell opposally 3 n +1 ) -62 (21-1) = [ 12 (21-1) ] =02/2/1-2/11 n=(n-1)2 N=3: 9:0, 1/23 = 3

DIO, ] < DIO2' ] > O, Souce appennubus 6) H-le Kraulepa- Tao 1) llogerle Ibre perguapmon 2) Oegenua g (7) - pergesepuas organis gua moi ap-igun g (0) Torgato EAD [g] > g'(0), n=3 (Business 1 Mogesto pergelospina:  $g(\gamma, \theta) = \begin{cases} \frac{e^{\frac{1}{\theta}}}{\theta}, \chi \geq 0 & \theta > 0 \\ 0, \chi < 0 & \theta > 0 \end{cases}$ 1) S(x,0) - nempgergo era na Ona (0,+0) 2) 20 ( ) = = d( ) = 20 ( ) - 0 ( ) = (+) = = 30 ( (e ( met 1 ) ) = 30 ( - (e ~ e)) = 30 (1) =0

19 (2 (1 e o)) dx= [- 2 e o - 3 e o dx = 0 3) I(a) = U[(2eng(20))2] # en (2 e 2) - en 0 - 2 (26 ng) = ( 02 - 0) 2 + Set da)= 32(2-2+1)= 32 32 1 1) Nemp na (0, +00)
2) > 0 na (0, +00)
2) pllogello peryudypua

