

$$X = (Y_1 ... Y_u) - C. becoping$$

$$f(x; \theta) = \begin{cases} \frac{G_{\times}(\theta - x)}{\theta^{7}} & \text{i.x.} \in [0; \theta] \\ 0, & \text{i.x.} \notin [0; \theta] \end{cases}$$

Demanue

$$E(x) = \int_{0}^{6} \frac{6x^{2}}{6x^{2}} - \frac{x^{2}}{3^{2}} dx = \frac{6x^{3}}{7\theta^{3}} - \frac{x^{3}}{3\theta^{3}} \Big|_{0}^{6} = \frac{2\theta - \frac{1}{3} - 2\theta - \frac{1}{3}}{\theta^{3}} = \frac{6x^{4}}{1\theta^{3}} - \frac{k^{6}}{1\theta^{3}} \Big|_{0}^{\theta} = \frac{6}{9}\theta^{3} - \frac{1}{3}\theta^{3}$$

$$E(x^{2}) = \int_{0}^{3} \frac{6x^{3}}{\theta^{3}} - \frac{x^{3}}{\theta^{3}} = \frac{6x^{4}}{1\theta^{3}} - \frac{k^{6}}{1\theta^{3}} \Big|_{0}^{\theta} = \frac{6}{9}\theta^{3} - \frac{1}{3}\theta^{3}$$

(1)

Vac = E(x2) - E2(x) = 6/482-1/4 0 - (20-1/3)2

Var = \( \langle \lang

 $\frac{|\text{Sapara 3}|}{\int (x,t) - \int (0,1) \times^{0} / x \in (0,1)}, \quad x \notin (0,1)$ 

Verneme! L = M (0+1) x<sup>a</sup> luL = E(lu(0+1) + Oluk) = ulu(0+1) = 0 Elyx

Ø €(-1)+001

FOC) # 21/4 = 4/4 + 5/4 = 0.

(0+1) (-2/4x) = 4. 4 G= -2hx -1)

 $J(x;\theta) = \begin{cases} \frac{4x^3}{\theta^4} & |x \in [0;\theta] \\ 0, & \text{ } |x \in [0;\theta] \end{cases}$ 

a)  $\partial = \hat{x}$  nearesy-?  $E(x) = \int_{0}^{x} \frac{1}{4} dx = \frac{4}{6} \frac{1}{4} \int_{0}^{x} \frac{1}{4} \int_{0}^{x} \frac{1}{4} dx = \frac{4}{6} \frac{1}{4} \int_{0}^{x} \frac{$ 

 $E(\bar{x}) = E(\frac{2\pi i}{a}) = \frac{1}{n} \cdot n \cdot E(x) = \frac{4}{5}\theta$ 

B) c=1, and, agains magasay.

 $f(x;\theta) = \begin{cases} \frac{4x^3}{6x^3}, & \text{xtlo,} \\ 0, & \text{else} \end{cases}, \theta > 0.$ 

Personnd: E(x)=1 (cupyer y N4) E(On) = E(543 x x ) = 5473 44-27 x ) = 5473

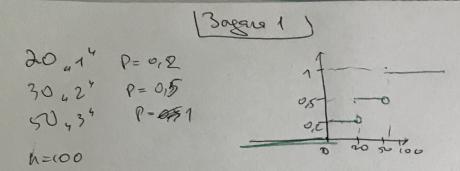
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Here Acuras necreey upoleque

6-E(fu)-0= 94+3 4-1= 54+3-44+2 = 4+5

/ m b = lon het = (4/4 + 5/h) = 1/4 = 2 alm ar recurreny.

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-1	ceens )	repuse	quores.	2	12=0,05
54	(00	чо	80	190	1
44"	65	60	50	175	
3	(65	(00)	100	165	1 1127
$f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right)^2 \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)^2$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \left( \frac{1}{\sqrt{1 - np_i}} \right) \right)$ $f = \sum_{i} \left( \frac{1}{\sqrt{1 - np_i}} \right$					

Perpa 
$$s = \frac{100}{345} = 0, 27$$

Perpa  $s = \frac{65}{765} = 0,18$ 

Perpa  $s = \frac{40}{365} = 0,1$ 

Papa  $4 = 0,16$ 

luero pi nogerabum yongle beposmeorie esponen neordina

Papusa 5 = 0,14
Papusa 7 = 0,14

herrison ne youen