15 kiglica -> cruateur Egierina \$1,2, 11, 15 4

2016

=>12 veacino 5 Evalica

a) 
$$A - \xi$$
 izvuldi točuo 2 porus Lergia }

 $RA = \frac{\binom{7}{2}\binom{8}{3}}{\binom{15}{5}} = 0.39$ 

$$P(B) = 1 - P(B) = 1 - \frac{(7)(4)(4) + (8)}{(5)} = 0.82$$

c) C- & Z8rgi svile srgieva je parang

$$P(c) = \frac{\binom{2}{r} + \binom{2}{3}\binom{8}{2} + \binom{2}{1}\binom{8}{4}}{\binom{15}{5}} = 0.4965$$

d) D- & Zsrg 2 majveća sroja 726 3

$$\frac{15+12}{15+13} \int_{14+13}^{15+14} \int_{14+13}^{726} P(D) = \frac{\binom{13}{3}+2\binom{12}{3}+\binom{14}{3}}{\binom{15}{3}} = 0.2967$$

(2) P. 11 = 0.4 -> Za Dua 4 topa	
(poyotka)	E(x) =
P(A1Ha) = 0.3  P(A1Ha) = 0.6  P(A1Ha) = 0.8  P(A1Ha) = 0.9  P(A1Ha) = 0.9  P(A1Ha) = 0.9	€(x)
A-Pail je unisten? Hu-E pogodio ga je 1 tap?	Z V
P(HIIA) =?	Zx
P(A) = P(H1) + P(H2) + P(H3) + P(H4)	
= 4.03.0.4.0.63 + 6.06.0.42.0.65 + 4.0.8.0.6.0.43 + 0.9.044 = 0.45696 = 45.696%	P(x)
$P(H_{A1A}) = \frac{P(H_{AA})}{P(A)} = \frac{u \cdot 0.3 \cdot 0.4 \cdot 0.63}{0.45696} = 0.2269 = 22.697$	
(3) P(x-2) = 6c-k ; k=2,3,	(4.) PC
C = ? $C = ?$ $C =$	a)
$e(x) = ?$ $P(x)(x) = ?$ $G\left(\frac{1}{c^2} + \frac{1}{c^3} + \dots + \frac{1}{c^m}\right) = A$	6
$6 \sum_{n=1}^{\infty} \frac{1}{c^n} = 1 \qquad \Rightarrow \sum_{n=1}^{\infty} \frac{1}{x^n} = \frac{1}{x-1}$	
$\frac{2}{2} \cdot \frac{1}{\sqrt{m}} = \frac{1}{6}$ $\frac{2}{\sqrt{m+1}} \cdot \frac{2}{\sqrt{m+1}} \cdot \frac$	د)
$\frac{1}{c(c-1)} = \frac{1}{6} \qquad \qquad \times \stackrel{?}{\underset{>}{\stackrel{>}{\underset{>}}{\stackrel{>}{\underset{>}}{\stackrel{>}{\underset{>}}{\underset{>}}}}}}{\times} \stackrel{1}{\underset{>}{\underset{>}}{\underset{>}}} \stackrel{1}{\underset{>}}{\underset{>}}}.$	
$1 = \frac{1}{6}(c^2 - c)$ $\frac{1}{2} = \frac{1}{x(x-1)}$	PIX
16e2-16c-1=0  X 74+1	
1 C=2 // C 2 1×174	

6) More ei ...

- a) Funtaja razdiobe
- b) Funkaja questoca

... biti strogo padajuća ma metom intervalu?

-)a) NE

=> Vrijedi monotomost ypergjatuosti

AIBEF tato da ACB -> P(A) & P(B)

=) b) DA

=> mpr, fja. eksponencijalne razdiose

(7) JEDHAKCKRACHI TRAPEZ

x~ {udagienost (x,y) de beije osnavice}

$$2 = \frac{2}{3} \times$$

$$F(x) = \frac{P_1 + P_2}{P(\Delta)}$$

$$= (9 - \frac{4}{3} \times) \times + \frac{2}{3} \times^{2} = 9 \times - \frac{4}{3} \times^{2} + \frac{2}{3} \times^{2}$$

$$F(x) = \frac{|4x|}{2}$$

$$P_2 = 5x + 2 \cdot \frac{x-2}{2}$$

$$= 9x - \frac{2}{3}x$$

PUZI) = 1 - PUXI)

$$=1-F(1)=1-\frac{2}{3}$$

$$=\frac{1}{3}$$

(a) 
$$e(x) = 2$$
 -  $e(x) = madicha$ 
 $y = |2 - x|$ 
 $y = |2 - x|$ 
 $2 = \frac{1}{12} = 2$ 
 $e(y) = ?$ 
 $e(y$