Teop bep 2 Da, morgo Karpanes, crysaernere Benerum X municiper zuarenere 1 n -1 e Réponsonom 1/2. Cryrasnae Benezuena Y= -x ogges uner Taryes me Tarrensy pacyesences, X 1 -1 P 1/2 1/2 Y=-X -1 1 P 1/2 1/2 2) Da, marenarurecure oringance cyainen мовох спучастих велигин раван сумие их мания опедания. 3) Her, yource guarquest pabua guarques принист, Токого соми скуг. вения перавишения 4) Ducrejour - vert par Kat no ment boopers порука, она хадакоеразуно степень разброса стрения венения воруг мая онидания El pajureexeed cours - 200 Morens anegyun X - X & Crepnens Moreas unepower X веняр масс (Masoneugakere) I= 2/x-x) mi

Momoca pacopejeusuel cujtadual benne no ognessul f. R = R, rosopare yearnes двум условшем: 1) f(u) 70, tuER 2) J flu) du = 1 S flytoly = 1 HET, HE MORNET. Плотося распрез-я не може равнейся О при всех знаг аргумента (погра Me syes talletones for normeno ycroke yo so, 200 unsoyen no beed yelles =1. Équicage, naliquée, nomes. Muncep: f(4) onjegenera Ha orpejse [0, 1] / 7066) 9) P(X=X) = 0 = JX fastdu.

100 ramenous Bef-18, 210 1 Ke jaropuraie: p веря гло 1 загорияси: 1-р 1 vannover - Repugnerelexan beauting: X= 10, 1-P I 3a ropurcie] EX= 1.p+0(1-p)=p Var X, = E [x,] - (EX) = P-P2 X1, X2, ..., X100 - Mezabucium E(X1+X2+ +X100) = EX1+EX2+ + EX100 = = 100 EX1 = 100 p. Var (K1 + X2 + + X100) = Var X1 + - + Var X100 = - 190 Var X 1 = 100 (P-P2). sag 3 X~ Bp $E \varphi(x) = \sum_{k} \phi(a_k) \rho_k$ $X = \begin{cases} 1, P \\ 0, 1-P \end{cases}$ $E\left(\cos(x)+2\right)=E\left(\cos(x)\right)+E(2)=$ = $p \cdot \cos(1) + (1-p) \cdot \cos(0) + 2 =$ = p. cos(1) - p+3.

Daren of 6 knotes other osses for 3ag. 5 Пробуди иноги дин за врзим скольно в сремен кного надо ист =7 70 ecto nocrusaro mas omergano Вероляност опирать дверь камерия Hopep Kriss BLHOSOM = 1/6 X 123456 IP 16 16 16 16 16 E(x) = Zaupk = Bepoissions monsteer seperations Dag. 6 Havin epequee non la geraner P 0,98.0,02 0,982.0,02 0,982.0,02 Beportnoer youtern polas 1 gerant (chequous spakes) Поспиваем мая опицание, по и EX= 1.0,08.0,02+2.0,08+0,02+ = 0,02(1.0,98+2.0,982+...) Dopanien, 200 pag exogurcie! n.998 >1 2) Roughan Kouw: lim "In. 0,98" => Per Cros. n>+0 0,08 lim Vn <1 りかかう

$$\frac{EX#}{0,02} = 0,98 + 0,98^{2} + 0,98^{3} + ...$$

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$$An = \frac{1}{1 - 998} - 1 = 49$$

$$Bn = An \cdot 0.98$$
 $Cn = An \cdot 0.98^2$

$$= 7 \frac{EX}{902} = An + An \cdot 938 + An \cdot 938^{2} + \dots = \frac{49}{1-938} = 2450$$

$$3ag.7$$
 $f(x) = \begin{cases} 1/2, x \in [2, 4], \\ 0, x \notin [2, 4], \end{cases}$
 225.354

$$P(X \in [2.5, 3.5]) = \int_{2.5}^{3.5} \frac{1}{2} lX - \frac{1}{2} \chi \Big|_{2.5}^{3.5} = \frac{1}{2}$$

$$3ag.8$$
 $f(a) = \begin{cases} c/4^{4} & x = 1 \\ 0 & x < 1 \end{cases}$

a) Having C

$$\int_{0}^{+\infty} \frac{c}{4\pi} du = 1$$
, $\int_{0}^{+\infty} \frac{1}{4\pi} du = 1$, $\int_{0}^{+\infty} \frac{1}{3\pi} d$

the state of the state of the state of

 $=\frac{1}{7^3}\approx 0.003$