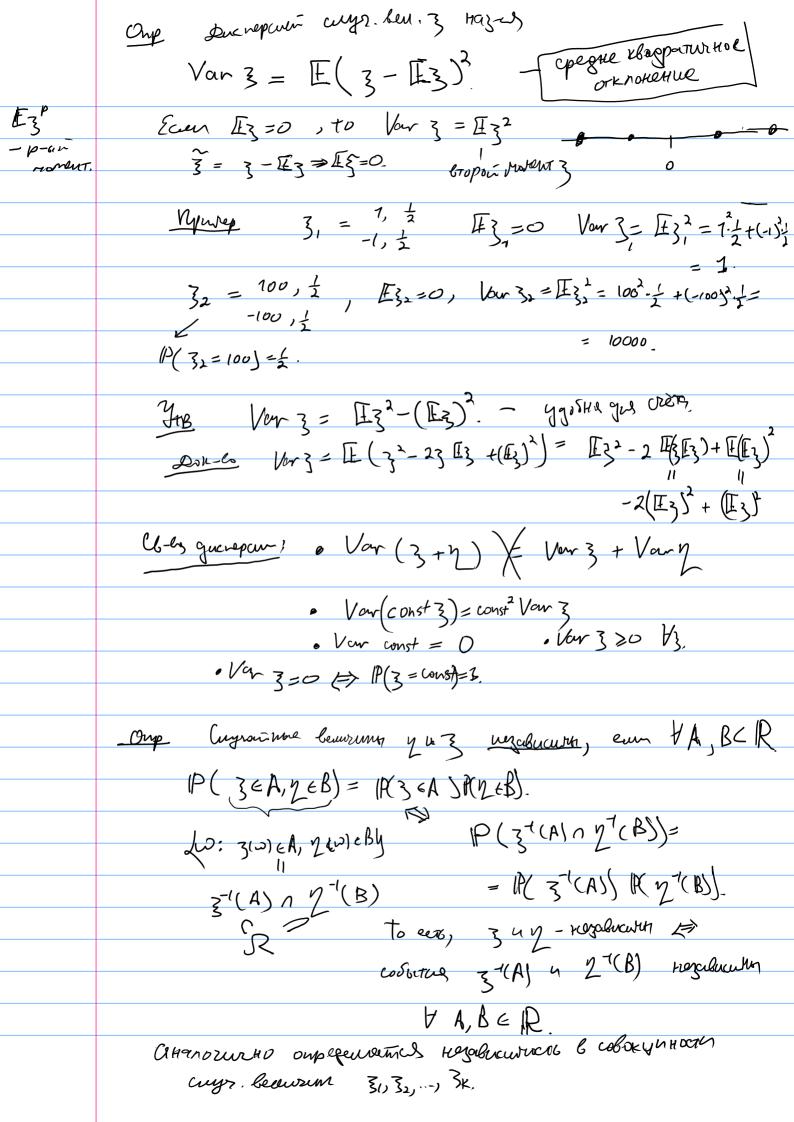
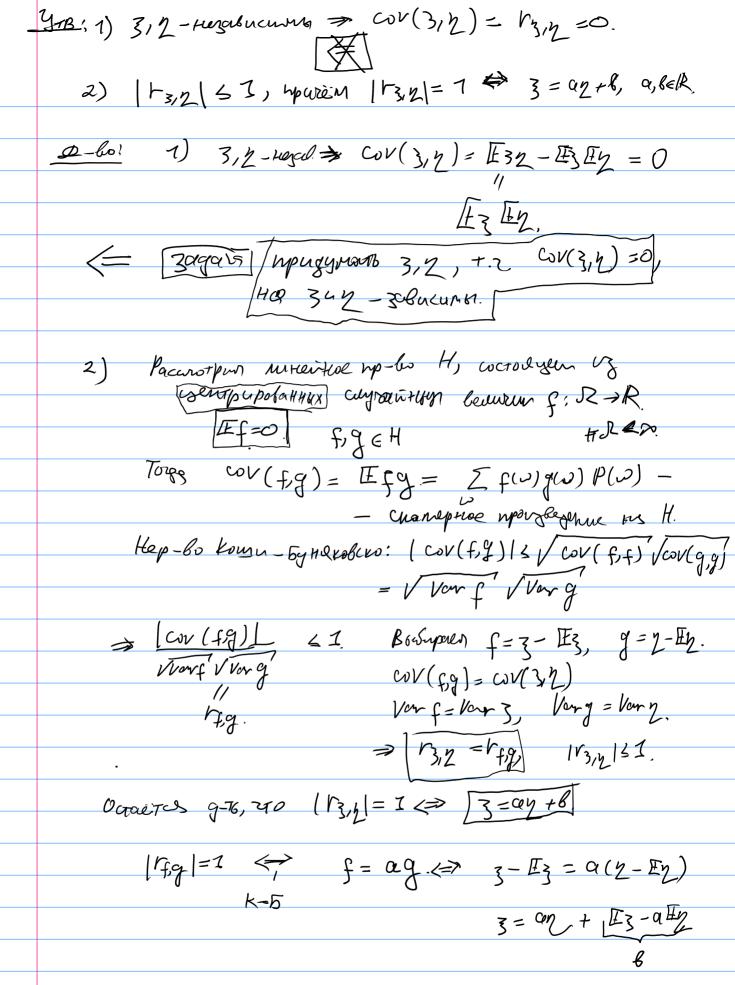
<u> Lengues 3.</u> #2<> (R, P), $3: R \rightarrow R$, $A_3 = \{\alpha_{y-1}, \alpha_k\}$ $3(R) = A_3$ $P_{\xi} = (p_{\alpha_{1}, \ldots, p_{\alpha_{k}}}, p_{\alpha_{i}} = P(\xi = \alpha_{i}) = P(\omega : \xi(\omega) = \alpha_{i})$ Typusep h par spocaest motherty $S = \frac{1}{2} \omega = (\omega_1, \ldots, \omega_h)$; $\omega_1 = 0$ unn $\frac{1}{2}$ penks g = 1-p 2 - cn beautiff $2(\omega) = \sum_{i \leq 1} \omega_i - \omega_i$ options. - распределение з. $P_{2}-?$ $A_{2}=40,7,-,n_{3}.$ $P_{2}=(P(\gamma=0),P(\gamma=1),-,P(\gamma=n))$ $P(\omega) = P^{\frac{1}{2}} = P^{\frac{1}{2}} = P^{\frac{1}{2}} = P^{\frac{1}{2}}$ $P(\gamma = k) = \sum_{u \in \gamma(u) = k} P(u) = C_{n} P_{\gamma} P_{\gamma}$ pk n-K P2 = (2h, npgh-1, Chpigh) - 5uHamuanbHae pachpegeneure 1 ~ B(n,p) 9=1-P Ochobruse Apaktlputukn cuyrowthom leuwun 3(D)=Az One Modernatureurus omngamus cuyronitus leurumu 3

nay-cus $E_{\overline{3}} = \sum_{w \in \mathcal{R}} \overline{3}(w) | p(w) = \sum_{\alpha \in A_{\overline{3}}} \alpha_i | p(\overline{3} = \alpha_j) = \sum_{\alpha \in A_{\overline{3}}} \alpha_j | p(\overline{3} = \alpha_j) = \sum_{\alpha \in A_{\overline{3}}} \alpha_j | p(\overline{3} = \alpha_j) = \sum_{\alpha \in A_{\overline{3}}} \alpha_j | p(\overline{3} = \alpha_j) | p(\overline{3} = \alpha_j) = \sum_{\alpha \in A_{\overline{3}}} \alpha_j | p(\overline{3} = \alpha_j) = \sum_{\alpha \in A_{\overline{3}}} \alpha_j | p(\overline{3} = \alpha_j) | p(\overline{3} = \alpha_j) = \sum_{\alpha \in A_{\overline{3}}} \alpha_j | p(\overline{3} = \alpha_j) | p(\overline{3}$ Eun $P(w) = \frac{1}{4D^2}$, to $E_3 = \frac{2}{3}(w) - cpeg her cipupm. Strevening <math>\frac{1}{4D^2}$ P(W,) 3(W) (Ez 3(W2) 1P(Wx) Ce-los: • E(23+BZ) = LE3+BE2, \$3,2-cu. Beu., ₩ L, B∈1R. . E const = const · 370 / E3 >0.



Typing Momenty, 2 pag. $Z = \{(\omega_1, \omega_2), \omega_j = 0, 1\}$ $|\{(\omega) = 1\}|$ $|\{(\omega) = 1\}|$ Jyp zun- reschuart Bonpoc: 3,2-unabnewron, Bepriv nu, 200 3+const, y-A, BC R negativery P(3+conste A, 126B)= (P(3 ∈ A-const; 2 ∈ B)= = IP(3 & A-const) 18(2 & B) = IP(3+const & A)18(2 & B) 3,2-Herschucum, Beyno M, No 3+2,7-Hossbucum).

[HeT] Nevery Pages 342-kegaluanture algranture Courantu, 7000 of 32 = E3 E2 o Var(3+12) = Var· Var (3+12) = Var 3+Var 2 Nowred 3,3-ke hardramm, E32 + (E3) Palences goeward (> Vor 3 =0 () 1/3=cons) #3²-(#3)² One Kolephanier augrantum bemon zun trenes COV(3,2) = IE(3-123)(2-12) = IE(32)- IE3 In.
HOGH, COV(2,2) = 1/ew2. B ZXCTH OCTU) COV(3,3) = Vew3. Kongopusuent kypenlynn: 13,7 = COV(3,12).



Newsury 4, 24.09.2021 X, Y, T.Z. X, y- tre trezalucionos, 40 COV(X,Y) 20 R= d1,2,34, P(1)=P(2)=P(3)= { COV(x,y)= X(1)=1, X(2)=0, X(3)=-1= E XY - IX FY y(1) = 0, y(2) = 1, y(3) = 0. P(X=0,Y=1) = P(2) = 1 $P(x=0) = \frac{1}{3}, P(y=1) = \frac{1}{3} + \frac{1}{3} = \frac{1}{3}$ Genu Maproles CHITPEQUELITES Maproberson Wenn (MU) · X - MH-bo, KOHORINE AUSO CRITTICE, "MU-Go cocronl time X = | d 1, 2, --- 4 1P(3=2|3=2,30=2)=1P(3=2|3=2,30=4) $P_{12} = \frac{1}{3}$ - "nepexogHans bep-to uz cocralture i 6 coctoature ja, ygobretbipanerie P32 =0. Plijj) 30 U \(\Sigma\) | \(\sigma\) K=2 9 0 1 Ha k-on ware, Omp Ecnn Pr(i,i) he zabacet of K, YDN, TO Maprobrens went Herzer OghopogHor

B engrave, nouse years of responsary, Sygest of Brazars Pij:= Pk(i,j)

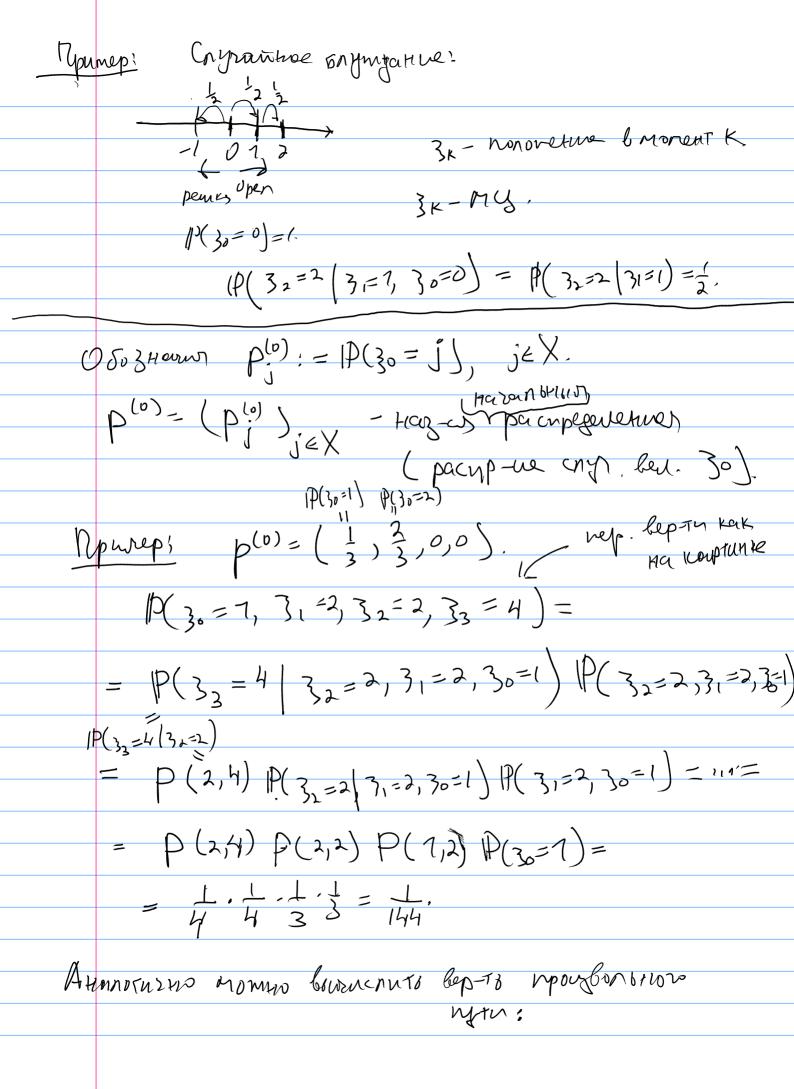
R=\(\int\)-bep.mp-60

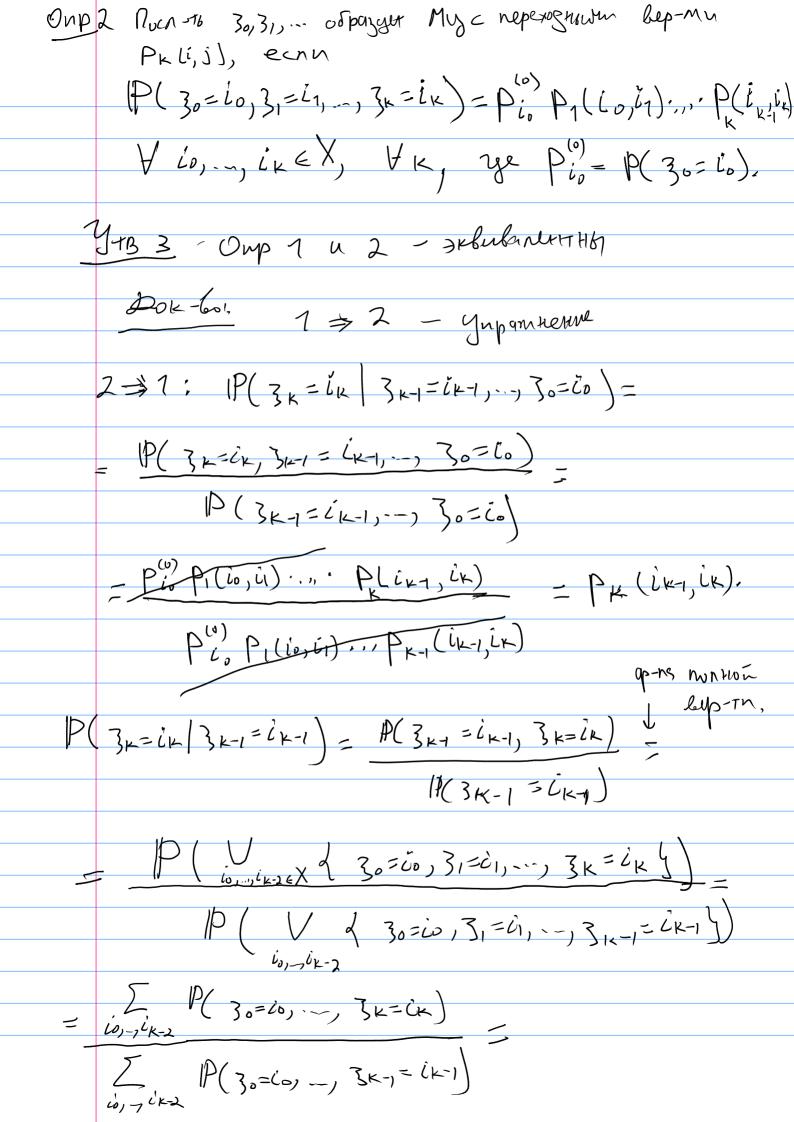
R=\(\int\)i,i,i,i,...),ve

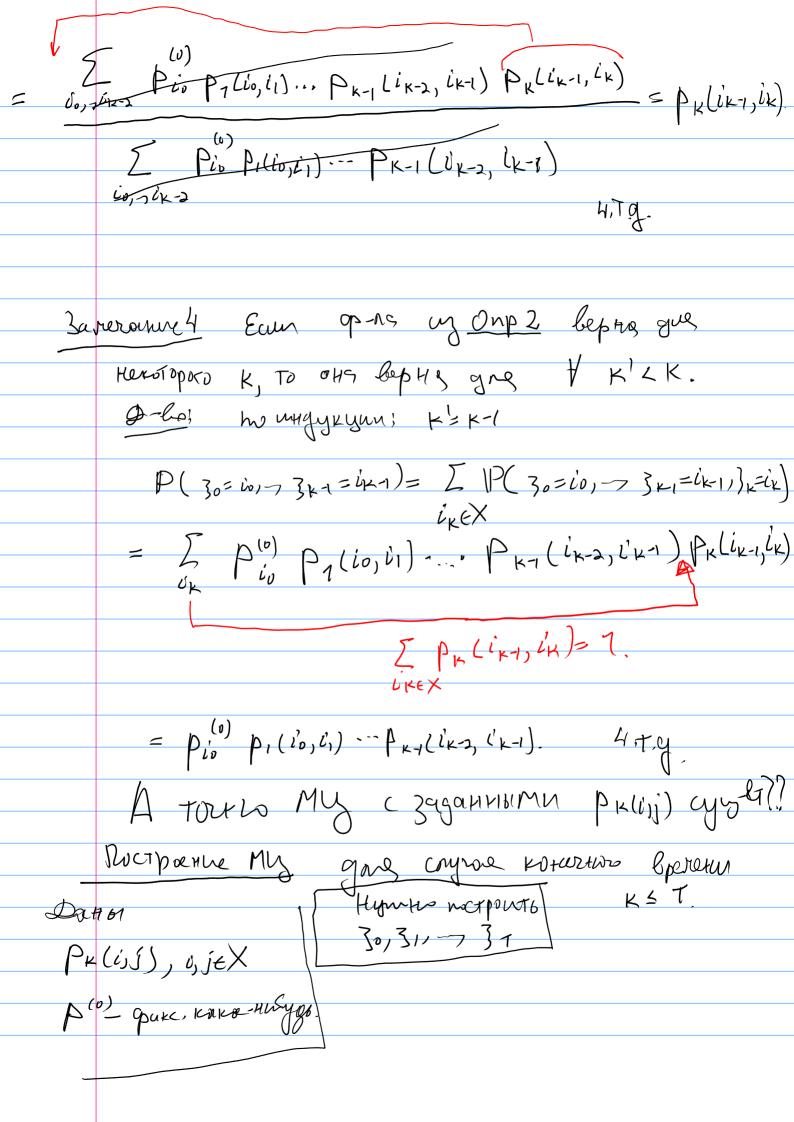
ike X\(\int\);3,\(\int\)=ik

Dre Tex, y wars the Joino TB: Momth gymats, TO D- He Some, red crèthor MH-bo, torge Curma-AMC F- MH-b. ban MgMH-b 2000 Sygen gocatortes que My Koretron gruns e conjunteme beautitur 30,31,32,... $\mathbb{Z} \rightarrow \mathbb{X}$. 3k - honomettul "neryuku" & nonesti sperem k (gpyrunn cnolamu, hake K-10 mpamka) Oup 1 Nocu-T6 cnyravitex lenuruh 30,31,32,73,... Objection My C repexogetimen beporthoordmin PKLISI), econ YK>1 bonnontello: 1) P(3K= K/ 3K= K-1, 3K-2= LK-2, m) 30=20) $= \mathbb{P}\left(3k = ik \mid 3k - 1 = ik - 1\right) \mid \forall io, \dots, ik \in X,$ +.2. IP(315-1K-1, 3K-2=1K-2, --, 3=10)+0 1) IP($3_k = j \mid 3_{k-1} = i) = P_k(i,j)$ (i) Harryle 549.

(i) July 10 He 306. 07 N.







Mess & S = { w= (io, c1, ..., it), rea ix E × 9, 3 k(w)=ix. $P(\omega) = P_{io}^{(\omega)} P_{1}(io,i) \longrightarrow P_{1}(i_{1-1},i_{1}) \longrightarrow$ Toys 30,-7 3- M.y. Dewardugensto P(30=10,-37=17)=P(W=(10,-,17)=-→ 30,73T-MY W ONP 2+3cmonatus 4 Hymner mpolipuro, 40 Pi = P(3, =i). P(30=i)= P(w=(io,-,it); io=i)= $= \sum_{i} P_{i}^{(0)} P_{1}(i,i_{1}) P_{2}(i_{1},i_{2}) \cdots P_{T}(i_{T-1},i_{T})$ $c_{1,j} = c_{1} c_{1} \times c_{1}$ $\sum_{i_{\mathsf{T}}} p_{\mathsf{T}} \operatorname{Li}_{\mathsf{T}-\mathsf{I}_{\mathsf{T}}} i_{\mathsf{T}} = 1$ $= P_{i}^{(0)}, \qquad \sum_{i \neq -1} P_{T-1}(i + 2, i + 1) = 1.$ Hynne ensempolepurb, $\forall 0 \geq |P(\omega)| = 1$.

Denother Mino, $\sum_{i,j} |P(\omega)| = \sum_{i,j} |P_{i,j}(i)| + |P_{i,j}(i)$