@ 41 = pa U+ 1 + pa 4+ 2 + 86; to Z SEE 3- MODE ES = 0, OF ES = 6200 Корын характериейн урль по подуно миньше единизм a) Banceamo eneughanemyo nnonwen etay pecueucus 8) hyons in = n = f us. Executes on in ben? Eenn ga, n nygo? b) Njeun Elel 248 com pur remoi . 870, u I macrices gir) y e, no mejo nessera. Sonderes nu un accumo sayo nopia en sen? чени да, то кашова парамары менями денона? Устения. В нам дана аворегресоия с менупевам средиим, потому одением замому как в пенушях умого высте се к спучаю муневого Nyans 1 = 8-2 => Eq = 0; En = 52 - nop cb. > UE = PENE-1 + PR NEZ + D+ DE Tenche manigen su my yenchus $V = (1 - p_1 - p_2) M$, is $M = \frac{1}{1 - p_1 - p_2}$ Apurein 1-p_1-p_2+0, the ignorage-me sopous safety is the notion for suggests) => Ut- p= px(Ut-1-11)+patue-2-11)+le OSOZH WE: = ME-M -> Mongrum: fu = fi+ ht Nt = Z BJWtj + ft And We no proces cray pluseure: \$ 570 \$ 247 => Ams Ut - rowe process: Ut = 14 & 5 Itij ; EUt = 11 = 1 - 1-10-102 Morry cortatiation = cortainer) - Te nome eglina kebel gryus nu ymenimas. >> 4 enexpansions nucleos me greunaes: fula)=fula) A July un cuirae novuetacie. We are the contract the second that the second sec Cgryraet cropono, 1= 12-p, 12, -p, 12, -p, 12, = fola) = 18/10) fula), rec \$101 = 1-pxe - pxe - pxe - pxe >> fula)=fula) = 02 /4/21/2 52 1577)12 /211/4-BIE-PRE 24/2

 $\int \overline{U_n} = n^{-1} \int_{t=1}^{\infty} U_t$

E puzgene n = 0 Oyenularuse chepnaro na neugusx na lasenunu, n = 0

Marinu et nhonoco $\Rightarrow K^{2} = \{u_{t} = x_{t}\}_{t=p_{t}-p_{t}}^{2}$

I hobbe E18,1200 - MANURULT MAN NO HOT gas now-sur & consumer rependent diament hulen: . Shis - chow coay now-a, TX Me-up, Enero, ENE-62

C tunouam neparacularuem - ga, om pezporar marapena, crizga - E 111 - 112+8 158 ma puaru, v no mu, npurem x/21 + c2 2; 02 2 - 1

• $E|W|^{2+\delta} = E|U_1 - |U|^{2+\delta} \le \frac{1}{2} \frac$

· \$\frac{2}{270} \land \

* A2:= E No2+25 EHOLZ = R(0)+25 R(Z) = Mfr (0) - NO file) NO MORNING BYHURE A)

NOTIONAL HE YOU GAS NOW POUR & MINORAN REPORTMENTAL BONDANCES

 $\Rightarrow n^{-1/2} \stackrel{\wedge}{\underset{E=1}{\stackrel{\wedge}{=}}} (M) \stackrel{d}{\rightarrow} N(0, \Delta^2) \text{ rge } \Delta^2 = 2n \int_{\mathbb{R}^2} |0| = \frac{\sigma^2}{|1-p_1-p_2|^2}$ $\Rightarrow -4n \quad n \quad d$

> 1-12 " 4 - N/u; 62 11-12-12-12 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-12| 2 | 11-12-1

Inden: e) fula) = 62

M/1-p. e in-p. e in/2

Da, exeputae ben a 2

+p. p. e

1 DB, account raye N/2

1-p. p. i 1-p. p. l²

1-p. p. i 1-p. p. l²

1-p. p. i 1-p. p. l²

(3) We for - det 1; t-1,2 "; Es-0; "
Estitoss- high Men chilen.

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 $\frac{\text{Perrorite:}}{\text{M}_{2} = \xi_{2} - \lambda \xi_{1}^{n} = \xi_{1}} \begin{cases} \xi_{1} = U_{1} \\ \xi_{2} = \lambda \xi_{1} + U_{2} = \lambda U_{1} + U_{2} \\ M_{3} = \xi_{3} - \lambda \xi_{2} \end{cases} \Rightarrow \begin{cases} \xi_{1} = U_{1} \\ \xi_{2} = \lambda \xi_{1} + U_{2} = \lambda U_{1} + U_{2} \\ \xi_{3} = \lambda \xi_{2} + \lambda \xi_{3} = \lambda \xi_{4} + \lambda \xi_{5} \end{cases} = \lambda^{2} U_{1} + \lambda U_{2} + \lambda U_{3}$



PULLULUM: a) Jude F-eigene beginnerer u menfisher been finde $\Rightarrow \underbrace{z_{i}^{n}}(F(y_{i}-\theta)-\frac{1}{2})$ -eigene yindere u menfisherbus $\Rightarrow \underbrace{z_{i}^{n}}(F(y_{i}-\theta)-\frac{1}{2}) \rightarrow -\infty$ $\Rightarrow \exists ! \ \text{Koplane}$ My $\theta \rightarrow -\infty$: $\underbrace{z_{i}^{n}}_{E_{i}}(F(y_{i}-\theta)-\frac{1}{2}) \rightarrow +\infty$

Ans the ban you cunsu repenseuralises > gas ye rome bon.

-> 6 any 358 grs noon reis e amonon nepenencularmen:

= F(y,-0)-1) = E(F(y)-0)-1) =: Λ(1,0)

No give nominas legion: $\xi_1^{1}+a+z^{2}\xi_1$ $N(0,0) = EF(y_1-0)-\frac{1}{2} = EF(\xi_1+a+z^{2}\xi_1-b)-\frac{1}{2} = (4-8)EF(\xi_1-|b-0|)+8EF(\xi_1-|b-0|)+\frac{1}{2}$

• $\Lambda_{(GA)} = E[F(R) - \frac{1}{2}] = 0$, TK = g(x) - remas, $\frac{2}{2} (F(x) - \frac{1}{2}) + (F(-x) - \frac{1}{2}) = 0 - Kermas$

 $\frac{2N}{28\log_{10}} = E[F(\xi_1 + \xi_1) - \frac{1}{2}] - E(F(\xi_1) - \frac{1}{2}) = EF(\xi_1 + \xi_1) - \frac{1}{2} - \text{no mayyou } \xi_1, \text{ for } |F| \xi_1.$

· 20 /10,00 = (EF/Ex))

=> 2F (0r; Mg) = EF(81-8)-1 (EF(61))" (EF(61))" (Mg-harde

→ GES(B), Mg) 2 00 174 EF(Ex+Ex) - cofacur, 74 F(Ex)

-> ga, poduena.

Orben: a) Ogan repair

5) IF = EFIE(+E)-1

EF'IE)

GESIONINGLOS.

Решение: Всипу зъч дия постям с вильном переменинания.

1 = gralge-ogen) => Ey-1/9-0ys) = 18,0) Torga no pre nomeoù bej ni: 1 (8,0) = 11-8) 3 Eu., 14,-840) +8(1-8) E(4,+5,) (4,-840) +8(1-8) 3 EU, 14,-840-850)+ +8/+-8/2 Eu-144+ 8, -0(6) +8/+8/E(4+ 8-1)(4,-8(6-88)) +82/1-8) E(4+8-1)(4+8,-8(6))+ + 871-81 EU-141+8, -040-050) +83 E141+8-1)/41+8, -040-050) OTENGA . 1 10 p) = EU-18, = EU-1 E8, = 0. AMELONIA 100 $\frac{\partial N(0,\beta)}{\partial y} = -3Eu_1\xi_1 + E|u_{-1} + \xi_{-1}|\xi_1 + E|u_{-1}|\xi_1 + E|u_{-1}|\xi_1 + E|u_{-1}|\xi_1 + \xi_2|$ -> hoenonery EU, E, =0, so 21(0,p) = E & . E, + EV-1 E | 5, - pso) · 01/0,p) = 4 EU, 160 = EPHSZ: > IF (Br, Ms) = E 8-18 + EN-18 (8- P8.) => GES/08/N2) = 00 Onlem: IF (Br) 45) = E 5. Ex + Eu. E 15. - ps.) GES = Q