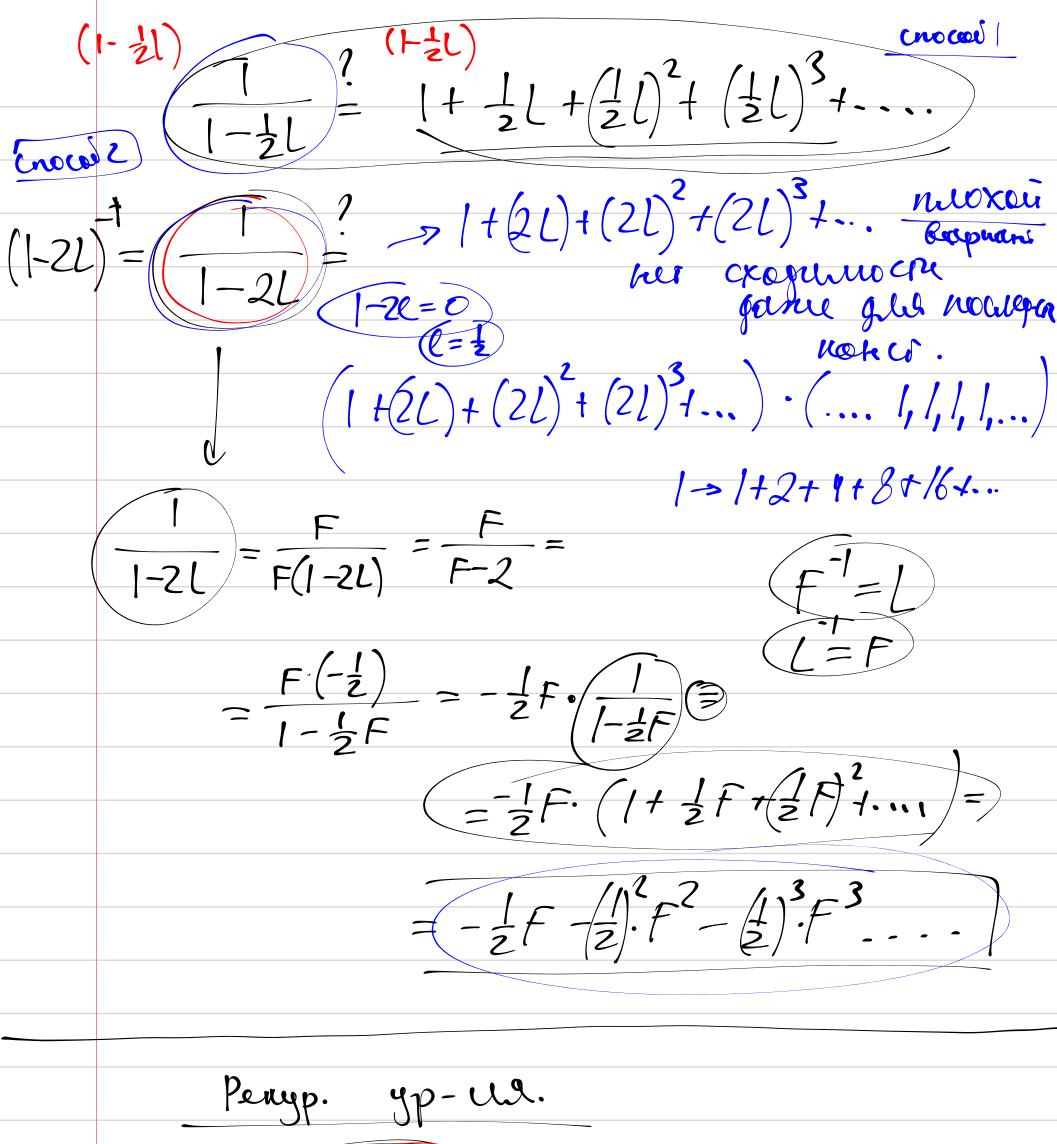
$L\left(\frac{1}{2} \Rightarrow y_{7}, -1 \Rightarrow y_{5}, 0 \Rightarrow y_{3}, 1 \Rightarrow y_{1}, \dots\right) =$   $\frac{1}{2}\left(\frac{1}{2} -1 \Rightarrow y_{7}, 0 \Rightarrow y_{5}, 1 \Rightarrow y_{3}, \dots\right)$ 

L'= F (lar orpany)

moore: A womeno en obpar 1-0,36?  $(a_n)_{n=-\infty} = (b_n)_{n=-\infty}$   $(a_n)_{n=-\infty} = (b_n)_{n=-\infty}$   $(a_n)_{n=-\infty} = (b_n)_{n=-\infty}$   $(a_n)_{n=-\infty} = (b_n)_{n=-\infty}$  $(1-\frac{1}{2}l)\cdot(y_n)=(--,--\frac{1}{2}i^2,\frac{1}{2}-\frac{1}{2}l...)=(-,0,-)$  $A(x) = \lambda \cdot A(x)$   $A(x) = \lambda \cdot A(x)$  A(x) = A(x) A(x) = A(x) A(x) = A(x) $(x_n) \qquad (=0)$  (-9, 5, 3, 6) $(0,1:x_n)$  (----0.5,0.5,0.3,0.6...) $L\left(\left(0.1\cdot2n\right)_{n=-\infty}^{\infty}\right)=0.1\cdot L\left(\left(2n\right)_{n=-\infty}^{\infty}\right)$ Cos of 5)  $\angle \cdot \Im = \angle (\Im)$  $\frac{d}{dt} \cdot (\xi^2)$ hopail D= 1-21 geverana que opony6-x nouveg-creek





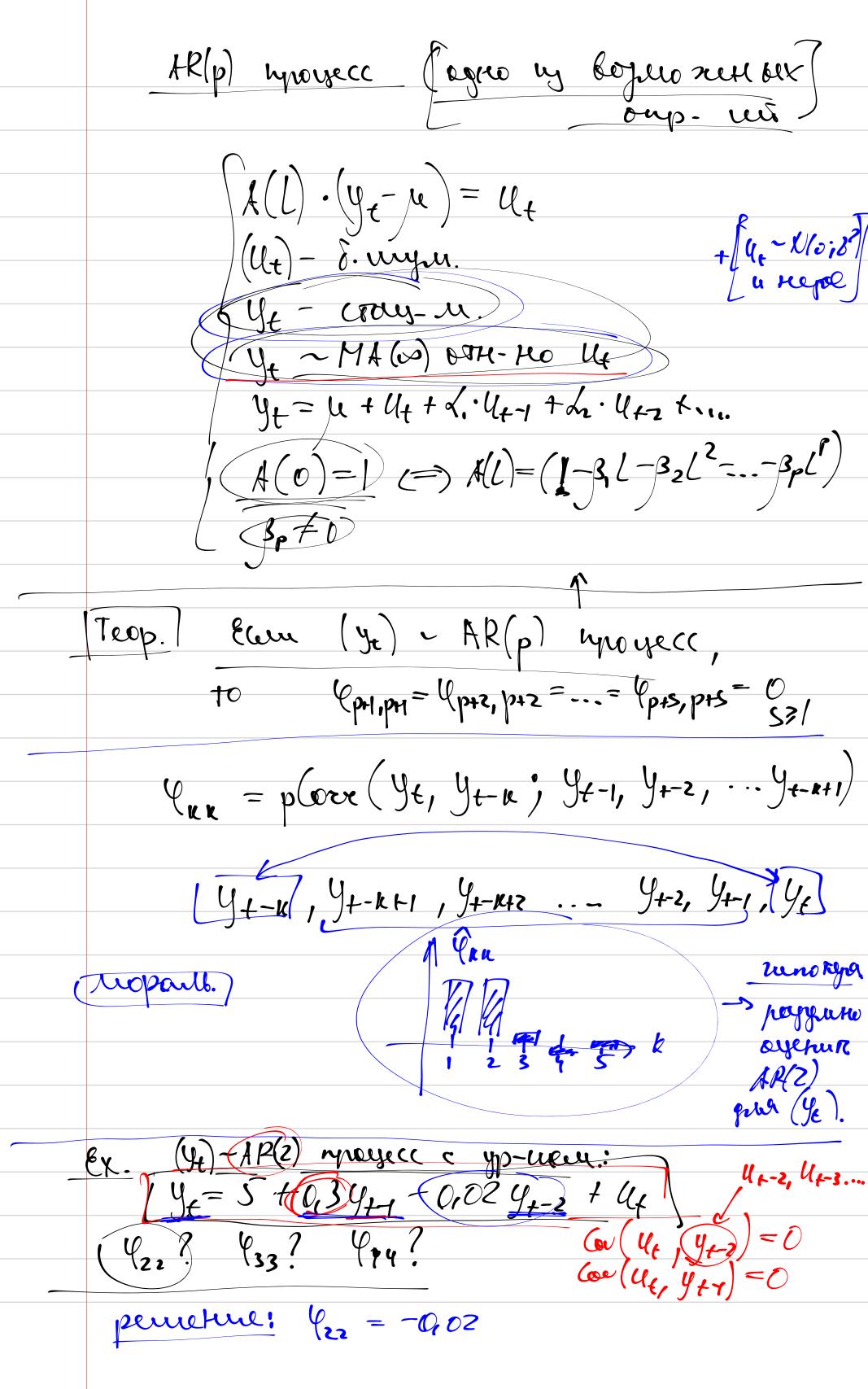
$$y_{t} = 0.5y_{t-1} + u_{t}$$
,  $u_{t} \sim \delta.uuy_{u}$   
 $\equiv (u_{t}) = 0$   
 $y_{t-1} = 2y_{t} - 2u_{t}$   $vor(u_{t}) = \delta_{u}^{2}$ 

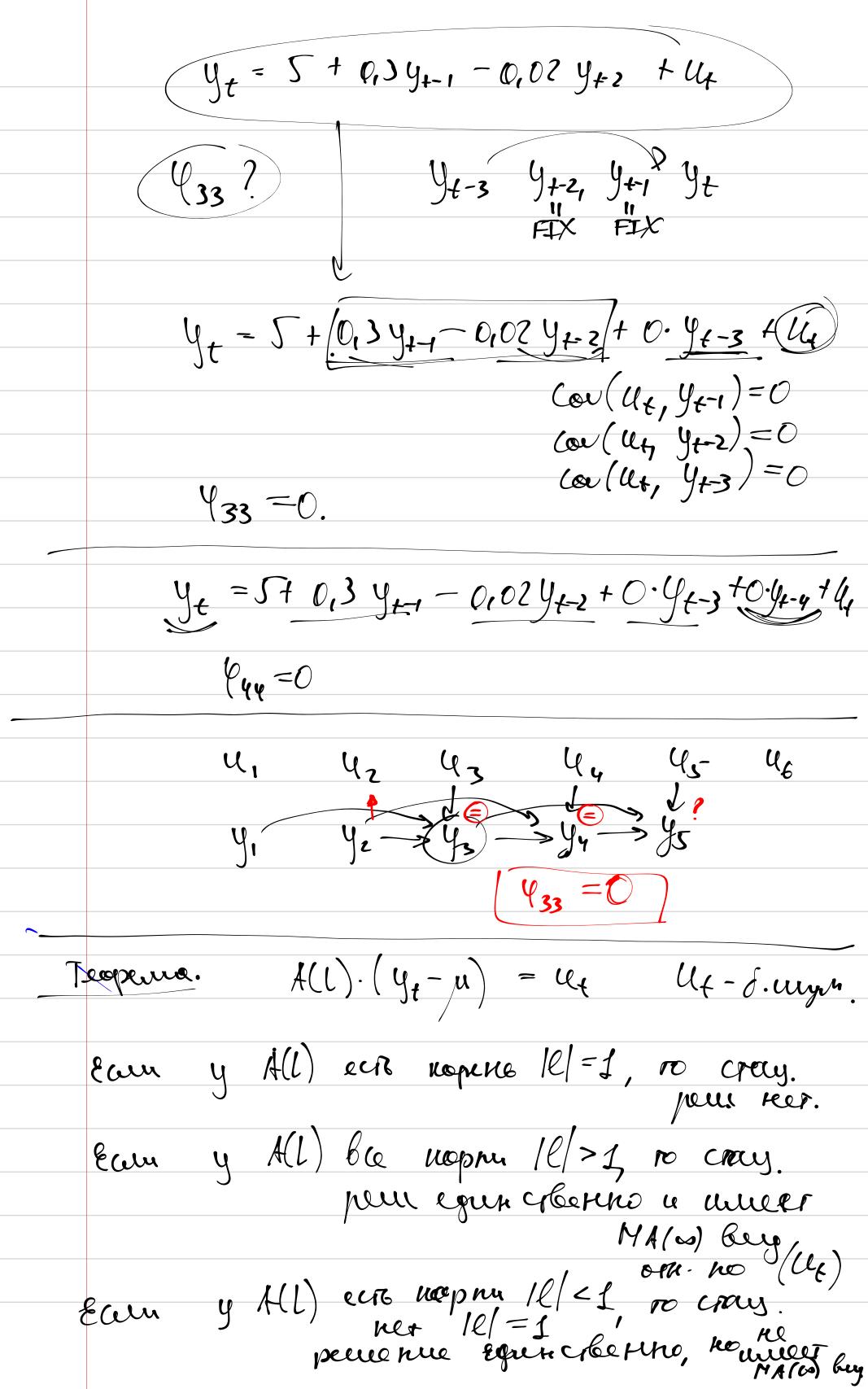
noprogrum 6 or ypartie true.  $y = 2/ + U_1$   $y_2 = 10.5 + \frac{4}{2} + 11_2$ nputlep!  $y_1 = 84 - 2u_0$   $y_2 = 168 - 4u_0 - 2u_1$   $y_3 = \frac{4}{2} + \frac{4}{2}$ 

Eco senoro ayranhoux moyer col

HH(1) - mossecc [ [pynna]] etodol peureture yp-us Insper (x) y= u + 3. y= 1 + U+, \( \epsilon + - \delta \cury u. [Trynna2/ rouble vay-or peureture Bopul (\*) y= u+ & y=+ le, lf-S. Cuyes. Josepho (7014) [100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10 Tpynna / [soft ] 55%/ Stab models. rous lo cray- de perustrue joynno 5) re, tro he nomerlavoi paymuyn Sura! yp-ne n nyroyeccory.

(4)-j.myn | my)-j.myn  $y_{t} = 0.5y_{t-1} + u_{t}$  (1)  $y_{t} = 2.y_{t-1} + u_{t}$  (2) Cycheraus housell (ye) - (cross housell (l. Dopme: AR(1) AR(1) Bopuc: (1-0,5L) yt = ut yt = (1-0,51) Ut y = ( | + = ( | + = 1) + (= 1) y = - = 44+1 - 44+2 - \$ 4+3:... y = U+ + 1 U+-1 + 4 U+-2 + 8 U+-3!... Boba ( ye) ~ LR(1) Bobas (ye) XAR(1)





-0107 Y+-2 + 4 y+ = 5+0,3 y+. 3 earobeer (LL)= 1-0,32+0,02L2 Lapantepuénere Musica Musica Marioronne Musica Musi yt = 0,3 yt-1-0,02 yt-2 A(1). Y = y - 0,34-,+0,074 $y_t = \lambda^t$  $\lambda^{t} = 0.3 \lambda^{t-1} - 0.02 \lambda^{t-2}$  $\frac{1}{\lambda} \left(-\frac{1}{\lambda^2} - 0.3 \lambda + 0.02\right)$  $\frac{1}{\lambda} = 0 \iff A(\ell) = 0$   $\frac{1}{\lambda} = \ell - 1$   $\frac{1}{\lambda} = \ell - 1$  $\lambda^{2} - 0.3 \lambda + 0.02 = 0$  $\lambda_1 = 0.2 \quad \lambda_2 = 0.1 \quad |\lambda_1| < |\lambda_2| < |$  $A(l)\cdot(y_t-u)=u_t$   $U(t-\delta.uy_t)$ Teoperus. y chors) eer nopens |t|=1, ro crecy. y chart ) ble mopme /1/<1, ro cray.

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