

$$(a_{4})_{t=-\infty}^{t=+\infty}$$

$$t=-2 \quad t=-1 \quad t=0 \quad t=-1 \quad t=2 \quad t=3...$$

$$(b)_{t=-\infty}^{t=+\infty} = L \quad (a_{t})_{t=-\infty}^{t=+\infty} \quad (b_{t} \in \mathbb{Z})$$

$$L=-2 \quad t=-1 \quad t=0 \quad t=1 \quad t=2 \quad t=3...$$

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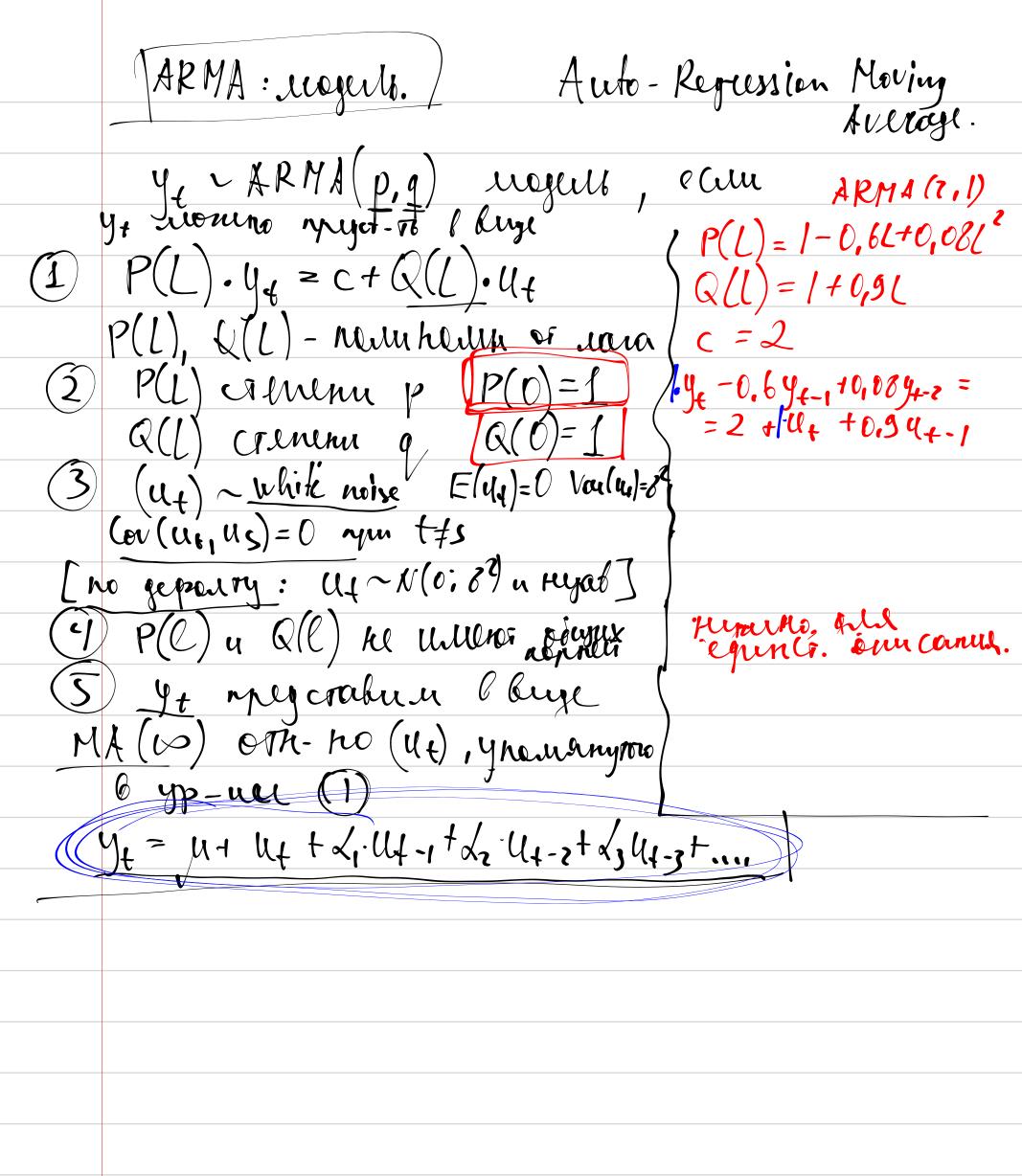
$$l=-2 \quad l=-1 \quad l=0 \quad l=1 \quad l=2 \quad t=3...$$

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$$l=-2 \quad l=-1 \quad l=-2 \quad l=$$



y_ 1 RMA(?, t) = AR(2) moglub.

y_ 4 - 474-1+0,124-2=3+4 y = -(3)+0,7 y -1 -0,12 y -2 + U + U + ~ N(0; (6) rejab. [u] 0 ca - ble nyelgn - k u!] P(l)? P(l)? P(l)=1-0.7/40/2! $P(l) \cdot y_t = 4 c(l) \cdot a_t$ replose glea MO702-10 x_1, x_2 :

6 M A(ω) regot: $y_t = M + U_t + (x_1 u_{t-1}) + (x_2 u_{t-2})^{+}$. $E(y_1) = 3 + 0,7 E(y_{1-1}) - 0,12 E(y_{1-2}) + 0$ (y+ = M + U+ + 2, U+, + 2 4, 2 + E(4)=410+0+... $M = \frac{3}{3} + 0.7 \cdot M - 0.17 \cdot M$ $M = \frac{3}{0.42} = 7.147...$ Hairy x_1, x_2 .

Hairy x_1, x_2 .

Hairy x_1, x_2 .

Hairy x_1, x_2 .

Hairy x_1, x_2 . * uxoghol yp-ue nogeraberb
b cets. * genero nomenous of rara. 9= 3+0,7 y+1-0,124+2+ Ut= = 3+44+017(3+474-2-0.124-3+44-1)-0.124-2= = 5.1 + 11+ 0,711+1 +0,37 y+-2-07-012 y+-3 d1 4 d1·4-2+d2·4-3+... 4+4-5+d1·14-4...

-5.1 + [U+ + 0+44-1] + 037. 3+0+74-3-0.124-4+4-2 + (occulture); $\sqrt{2} = 0.37$ y- = u+ 4+ 1, u+, +/, u+, ... 1) Cov (y8, 44)? $\begin{array}{cccc}
(ov (y_t, y_t) = 10? \\
(ov (y_t, y_{t-1}) = 1? \\
(ov (y_t, y_{t-2}) = 1?? \\
- Vou (y_t) = 1/6
\end{array}$ - Var (4+)=16 Citchy- h in ham apoyee. $(? E(y_t)=y_t)$ Con $(y_t, y_t)=y_t$ Cor (yt, y+-2)= 2 Cor (4+, 4+-k) = k $y_{1} = (ov (y_{3}, y_{6}) = (ov (y_{1} + u_{2} + \lambda_{1} + u_{4} + \lambda_{2} + \lambda_{3} + ..., \mu_{1} + u_{6} + \lambda_{1} + \lambda_{2} + ...)$ $y_{1} = (ov (y_{3}, y_{8}) =$ 13/10,7 ye-1-0,12 ye-2+ U4 Jo / ///2 Con (ye, LHS) = Con(yo, RHS (or (y+1, (HS) = (or (y1, (RHS) Car (y+2, LHS) = (ar (y+2, RHS)) $\tilde{y}_2 = 0 + (0.7 \cdot j_1 - 0.12 \cdot j_2)$ 2 M+ M-1 +214-2+ ...