Bugno? Curunho?
liogeny. Openemerx pagel.
(ETS, DLT
EtS-100gens 250-60 res.
EtS-reogens 250-60 res. Ei paylenters (a-re 1017) colop-sue 2021.
zagaru:
* morropupolarne Gp-20 juga.
* mornopupobature Bp- vo paga. * popuometrue paga ha unterpretep.
hours kenter.
hegrophical bho: [m=12 me when, m=4]
Jy = Thenge + cejone + ocraroue
parts galin
XOTUM:
regornal cor-ai: uller gruo
Cop- unyo nepurguer to Co
Se = Se-n
Treng. coct-ag: nuabho yue kieres
$\frac{1}{\ell_{t}} \approx \ell_{t-1}$
ocrason. ero ocravloce! wix o preguaj. ca.
mixo meguaj. Cel.

Mup des layeour hockes

There (l=level)

y = (t + Set ceyon. cocr.

yt, lt St = St-12 gosahun berogy!)
linge-coo.

6 ETS agun noorhen cuy-cog (h)~N(0; 32), my 6 colop. bap-yerx re eno ilho u croi nu nob luyre - cre uger!: b -> bt = (t 4 2 € Ct = Ct-1 + 6+-1 St = St-12 ryes 2: 6 Hypun Tyger renguse reper mourise ryer 3: godob (Uf). 4 = 1/4 + ben + Sent 4 $\begin{aligned}
\delta_{+} &= \delta_{\ell-1} + u_{\ell} \cdot f \\
S_{\ell} &= S_{\ell-1} + u_{\ell} \cdot f
\end{aligned}$

no call feller y+= (+1+6++) + Se-12 4 ETS(AAA) we withi. (t = (+++ f++ + pt.x b+ = bt-1 + U+· 3 Error = Ado St = St-17 + Ut. Trend - Add. 42 N(0; 62), regal Seas = Add. : 12, 3, 8, 82 A challe ze us hay orserve nap. 6!: [1, 3, 1, 82]

[17 nap-b]

(choi-x) [nax: 60, lo, So, Sq. S-10] y+= (+-1 + bx-1 + llx EtS(AAN) Ecros = Add) le = lt-1 +6+ + Lux Trend = Add Seas = No be = Be + + 3 Ut

Ut ~ N(0; 32) key Rob lynoman, Forcelasting prenciples & pratice ofexts.com/fpp3 chap & 2 +2 5 +1 3 +3 ha So, S-1, S-2... _____ gon. opre here hue coulte nony: $S_{ij} = 0$ So + S-1+S-2+...+ S-11 = 0

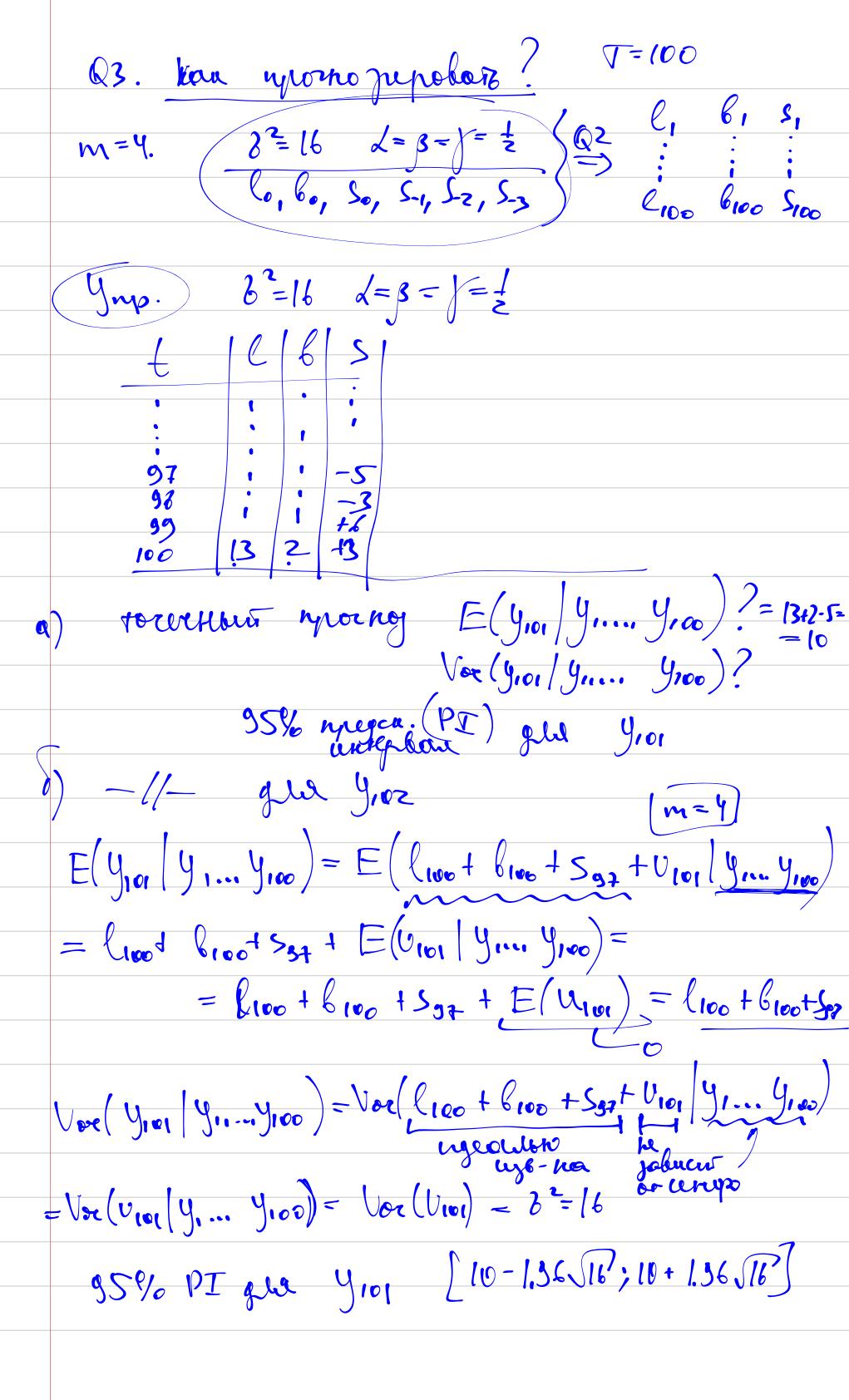
(3) * hou ogenubærer? [Yerlebær p-ynd?]

M! (1) * hou pag pagraraerce ha nomnonenson?

(2) * kon pagraraerce? (mos eur venne procesus pop 6, mo oyenn) al han yourt noumoperton! - wrighp. umailgobare muno renso que Jup. 6= 16 $\chi = \chi = \chi = \frac{1}{2}$ 6, 6, 5, 4, 7 9 -2 3 4 +1 9 4 4 +3 4 be le, Sz Uz 63 . b3, 53 43 M=4,-6,-6,-5-3+ =6-5-2-(-2)=11 (4) + ben + Sent (4) re éguropou ! (+ = ((+++ 6++) + 4+.x 6,= 6, +4,3= m= 4 b+ = bt-1 + U+ 3 C1 = (0+60+1.5= u, -> 6, l, s, -> 42 -> 6e, l2, 52 -> ... leopouls: <u>lan eer your your oyenten</u>, ro

Ets nogent nogborner nortyrung

Megor be, le, Se, Me.



y102 = (101 + 6101 + 538 + U102 = - (Croot broot Vior. 2) + (Broot Vior. 2) + Sg8 + Vior = = (| 100 + 2 | 100 + 500) + U101 + U102 |

NEWY-02 p-ynd | OF y.... y100 | y1 95% gra y₁₀₂ [14-1.36/32;14+1.96/32] l. han oyenub-cs? (ETS -> max libelihoo DLT (u colp. Rap) -> Jatec.
anousep peup
nap-l. ha njumere ETS(AAN) 1 y+ - (+-1 + b+-1 + U+ (t = (t-14 pt-1 + 7-114 $b_{\epsilon} = b_{\epsilon-1} + \beta \cdot ll_{\epsilon}$ $l_{\epsilon} \sim N(o; b^{\epsilon}) \text{ regal}$ $l_{0}, b_{0}, b', d_{1}\beta \qquad \text{hav: } l_{0}, b_{0}$ $\theta = \left(\frac{1}{2} \right)^{3}, b_{1}^{3} \left(\frac{1}{2} \right)$ (y+1 y y+) ~ N((++6+; 6)) ~ N(1+1,8) (y..., y, (0) = ln fly, ..., y, (0) = = lu f(y, 0) + lu f(y2 y, 0) + lu f(y3 yn.y2, 0) + (y.10) - N(lo+60, 32) ... + lu f(y4 / ye-1, y +21...y, 0)

