Topuc Demend
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$ (y_{t})_{t=1}^{T}                                   $
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1. Morrozupolatur pega
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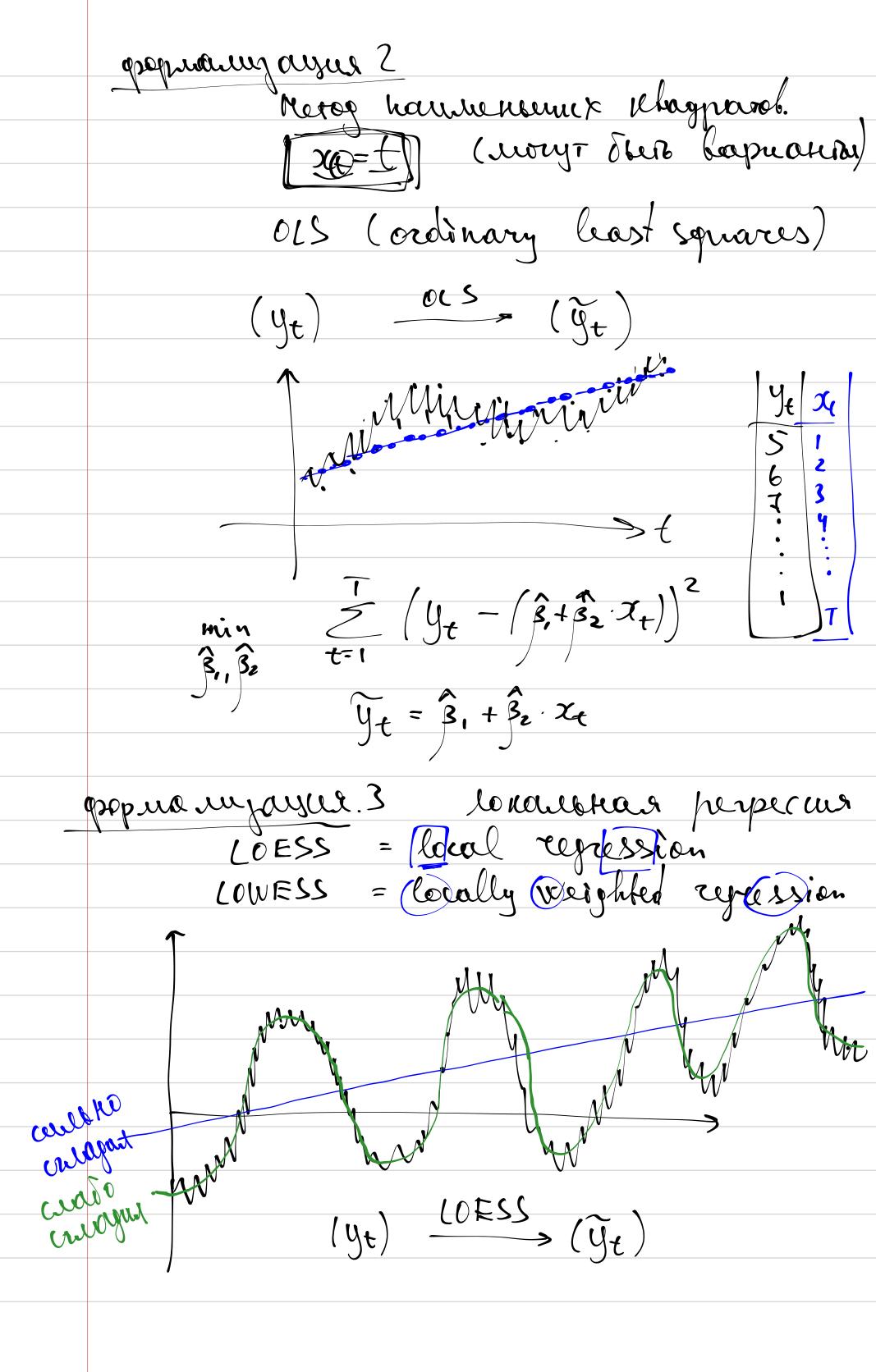
St E & Coop, sad? 5,7,6.14,12,11,16...

yuene me ratios paga. 3.3.

Khapr-ganthere: 5,3,11,7,6,4,12,8...

666 B B B B...

- rozabel gætekel.



lugue (LOESS) mobezen re obusyo mum perpeccuer, a closo septento perpección que rangoro X  $Q(\hat{\mathbf{z}},\hat{\mathbf{z}}) = \underbrace{\mathcal{E}(\mathbf{y}_t - (\hat{\mathbf{z}},\hat{\mathbf{z}})^2)}_{t=1}^2$ Q(3, 32, x) =  $= \sum_{i=1}^{n} k(x_i, x) \cdot (y_t - (\hat{s}_i + \hat{s}_i \cdot x_i))^2$ L be ca now wegens ren jarbine Xe OF X, ten nepture k(X, x). Il gur Fourman Chadous co K(X4, x) = } of which x Ckalbyaufun Gegheur roch.  $X(x_t, x) = epp\left(-\frac{(x_t - x)^2}{h^2}\right)$ h>> 0  $k(x_{t_1}x) = \exp(x_0) \Rightarrow | \Rightarrow$ 1, h = + 6" LOESS = OLS h≈0

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Juenne beigers egunoporob.  (yt) Mt, OCS, COESS (yt)  chamerton  prej.
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$\rightarrow$ $t$

