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Perio ano y variable oby volucijanociju ozere & 30 va-
panewap + Kopiwuru weptere ga ako E(ê-e) -10, n-) +20,
   oyer jeure vouvojara. Mezyvum, and E(0-6)2-40 n-stro
  to Ham He Topathuyje ga overc thije vouvojeta.
   Caga temo gamo jegan warab opunep:
     (X1, X2,..., Xn) N(Y U3 N(m, 1)
3a oyeny reparemps on je upegnostera obeta
                                                    Wina Boj zanuc upequiabra? Here ckyr us o-cniedo A
                                                             \widehat{m}(\omega) = \begin{cases} \overline{X}_{n}(\omega), & \omega \in A, P(A) = \frac{n-1}{n} \\ n, & \omega \in \Omega \setminus A \end{cases}
   Καιο οδο Μοχενο y jegton pegy ga Haunweno?

Ybezuno y_n \sim \text{Ber}(\frac{n-1}{n}) y_n Hezobicha og y_n, y_n y
   P\{I_{m}^{n}-m|<\ell\}=P\{I_{m}^{n}-m|<\ell, Y_{n}=1\}+P\{I_{m}^{n}-m|<\ell, Y_{n}=0\}

φορμηρα L=P\{I_{n}^{n}-m|<\ell, Y_{n}=1\}+P\{I_{n}-m|<\ell, Y_{n}=0\}

ταῦν. βεροβ.

I=P\{I_{n}^{n}-m|<\ell\}, P\{Y_{n}=1\}+P\{I_{n}-m|<\ell\}, P\{Y_{n}=0\}

He 3 a b. Liftor I=P\{I_{n}^{n}-m|<\ell\}, \frac{n-1}{n}+P\{I_{n}^{n}-m|<\ell\}, \frac{1}{n}
        X_n \rightarrow \mathcal{N}(m, \frac{1}{n}) \Rightarrow (X_n - m) \overline{m} \sim \mathcal{N}(0, 1)
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y Hacuabky Toxazyjeno obo

$$= \frac{n-1}{h} P\{-\varepsilon \angle X_n - m \angle \varepsilon\} + \frac{1}{h} P\{|n-m| \angle \varepsilon\}$$

$$= \frac{n-1}{h} P\{-\varepsilon \sqrt{n} \angle (X_n - m) \sqrt{n} \angle \varepsilon \sqrt{n}\} + \frac{1}{h} P\{|n-m| \angle \varepsilon\} = (*)$$

 $\begin{array}{cccc}
 & \varphi \cdot i &$ 

 $\frac{(n+1)}{n} = \frac{n-1}{n} \left( \frac{\partial (\varepsilon n)}{\partial (\varepsilon n)} - \frac{\partial (-\varepsilon n)}{\partial (-\varepsilon n)} \right) + \frac{1}{n} \frac{\partial (\varepsilon n)}{\partial (\varepsilon n)} + \frac{1}{n} \frac{\partial (\varepsilon n)}$ 

Lake  $P\{|\hat{m}-m|_{\Sigma}\}=1-P\{|\hat{m}-m|_{Z}\}=0$ E je suro upouzborsto, va zakoynyjevo ga  $(\forall \epsilon > 0) P\{|\hat{m}-m|_{\Sigma}\} \rightarrow 0, h\rightarrow +\infty$ 

Obune uno vokazan ge je m vouvojane. Ggetemo vokasanv ge  $\pm (\hat{n}-m)^2$  +00 n-m. 3a vo je grbonoto ga vokastemo
ga  $\pm (\hat{n}-m)$  +10, n->m  $\pm \sqrt{367}$ :  $DZ=\pm Z^2-(\pm Z)^2$   $\pm \sqrt{20}$ , va  $\pm \sqrt{2}$