3. Zagaru.

$$N$$
i)

$$\alpha)\Delta = N p(1-p)^{(N-1)}$$

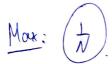
$$\overrightarrow{\text{max}} : p$$

Dux maxemmezayun, bojourên ponglognyro no p:

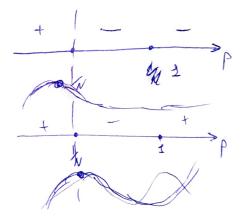
Fixet fought governmentes when $\Delta p = 0$:

$$\mathcal{N}(1-p)^{(N-2)}(1-Np)=0$$

$$\begin{bmatrix}
P = 1 \\
P = 1
\end{bmatrix}$$







$$N$$
; $2 = 0$

$$\int_{\mathcal{M}} \mathcal{N} = \lim_{N \to \infty} \mathcal{N} \cdot \frac{1}{N} \left(\left(1 - \frac{1}{N} \right)^{(N-1)} \right) = \lim_{N \to \infty} \left(1 - \frac{1}{N} \right)^{(N-1)}$$

Us & 2-10 samenasiemento Medera shacu, 210
$$\lim_{x\to\infty} (1+\frac{k}{x})^{2} = e^{k} \Longrightarrow$$

$$\lim_{N\to\infty} (1-\frac{1}{N})^{(N-1)} = \lim_{N\to\infty} (1-\frac{1}{N})^{N} = e^{-1} = \frac{1}{e}.$$

Zagara 1/3.

Tak kak sik ucharbygen orgenberni yzen gir ompockeni yzen gir honitt, charloko nyano ngogobar Sur 6 rampockeni yzen gir kpo yzia, t.k. or nesoo zobucut manyekhar enorodnoette.

Torge, manyennar enocosnoto: $P = \frac{T}{doperN + \frac{T}{R}} = \frac{1}{doperN} + \frac{1}{R}$

Prax Prax pu T >+00

T.k. Mr organishaen kei-bi $\delta \omega$, rejegobanius $K \mu \omega yz noon b paynge$ organ, τ organ τ organizana obejxy: $T_{max} = N \cdot Q$.

 $P_{\text{max}} = \frac{1}{\frac{\text{doyoc}}{Q} + \frac{1}{R}}.$