$$P(X_{i} = K) = P(1-p)^{K}$$

$$P = \frac{1}{1+x}, E(\frac{1}{1+x}) \neq \frac{1}{1+E(x)} = P$$

$$f(x) = \frac{1}{1+xc}, E(x)^{2} = E(x)$$

$$f'(x) = -\frac{1}{(1+x)^{3}}, xeCo, +co)$$

$$f'' = \frac{2}{(1+x)^{3}} > 0$$

$$E(\frac{1}{1+x}) > \frac{1}{1+E(x)} = \frac{1}{1+2p} = P$$

$$V(y) = \frac{1}{1+x} > \frac{1}{1+2p} = P$$

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$$V(y) =$$

$$2) \times > \mu_{0} \quad \hat{p} = \mu_{0} \quad | \mu_{-} \vec{z} |^{2}$$

$$ln \ L(x_{1}, x_{1}, \mu_{1}, \epsilon') = \\ = c - n \ln 6 - \frac{1}{2c^{2}} \sum_{i} (n_{i} - \overline{\alpha})^{2} - \frac{n}{2c^{2}} (\mu_{-} \overline{n})^{2}$$

$$\leq (-n \ln 6 - \frac{1}{2c^{2}} \sum_{i} (n_{i} - \overline{\alpha})^{2} - \frac{n}{2c^{2}} (\mu_{0} - \overline{x})^{2}$$

$$= (-n \ln 6 - \frac{1}{2c^{2}} \sum_{i} (n_{i} - \mu_{0})^{2} - h(6)$$

$$h'(6) = -\frac{n}{6} + \frac{1}{6^{3}} \sum_{i} (n_{i} - \mu_{0})^{2} - h(6)$$

$$h'(6) = -\frac{n}{6} + \frac{1}{6^{3}} \sum_{i} (n_{i} - \mu_{0})^{2} - \frac{n}{6^{3}} (\frac{1}{n} \sum_{i} (n_{i} - \mu_{0})^{2} - \frac{n}{6^{3}})$$

$$= -\frac{n}{6^{3}} (\frac{1}{n} \sum_{i} (n_{i} - \mu_{0})^{2} - \frac{1}{2c^{2}} \sum_{i} (n_{i} - \mu_{0})^{2}$$

$$= -\frac{n}{6^{3}} (n_{i} - \frac{1}{n} \sum_{i} (n_{i} - \mu_{0})^{2} - \frac{1}{2c^{2}} \sum_{i} (n_{i} - \mu_{0})^{2})$$

$$= -\frac{n}{6^{3}} (n_{i} - \frac{1}{n} \sum_{i} (n_{i} - \mu_{0})^{2} - \frac{1}{2c^{2}} \sum_{i} (n_{i} - \mu_{0})^{2})$$

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$$= -\frac{n}{6^{3}} (n_{i} - \frac{1}{n} \sum_{i} (n_{i} - \frac{1}{n} \sum_{i} (n_{i} - \mu_{0})^{2})$$

$$= -\frac{n}{6^{3}} (n_{i} - \frac{1}{n} \sum_{i} (n_{i} -$$

$$= \left(\frac{6}{6}\right)^{n} + \exp\left(-\frac{1}{2\sqrt{6}}\sum_{n\neq 1}\left(\frac{1}{2\sqrt{6}}-N_{0}\right)^{2} + \frac{1}{2\sqrt{6}}\sum_{n\neq 1}\left(\frac{1}{2\sqrt{6}}-N_{0}\right)^{2} +$$