

[illegible]

[illegible]

$$\leq \text{H}_{\text{max}}^{\text{max}}(\rho) + \frac{1}{n} \log \left(\frac{1}{\epsilon} \right)$$

$$\leq \frac{1}{\epsilon} \left(\frac{\epsilon}{2} + \frac{\epsilon^2}{8} \right) = \frac{\epsilon}{2} + \frac{\epsilon^2}{8}$$