

[illegible]

[illegible]

$$\leq \frac{1}{\sqrt{\pi}} \left(\frac{1}{\sqrt{\pi}} + \frac{1}{\sqrt{\pi}} \right) = \frac{2}{\sqrt{\pi}}$$

$$\leq \text{[diagram 1]} \text{[diagram 2]} : \quad \text{[diagram 3]} = \text{[diagram 4]}$$

$\leq \frac{1}{\sqrt{\pi}} + \left(\frac{1}{\sqrt{\pi}} - \frac{1}{\sqrt{\pi}^2} \right) = \frac{1}{\sqrt{\pi}}$

$$\leq \frac{1}{\sqrt{\pi}} \left(\frac{1}{\sqrt{\pi}} + \frac{1}{\sqrt{\pi}} \right) = \frac{2}{\sqrt{\pi}}$$

[illegible]

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$$\leq \frac{1}{\epsilon} \left(\sum_{i=1}^n \left| \langle \phi_i | \rho | \phi_i \rangle - \langle \phi_i | \sigma | \phi_i \rangle \right| + \sum_{i=1}^n \left| \langle \phi_i | \rho | \phi_i \rangle - \langle \phi_i | \sigma | \phi_i \rangle \right| \right)$$

[illegible]

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