

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

$$\leq \text{[diagram 1]} \text{[diagram 2]} : \quad \text{[diagram 3]} \text{[diagram 4]} \text{[diagram 5]}$$

$$\leq \text{[Diagram: A sequence of gates including } H, CNOT, T, \text{ and } CNOT \text{ on two qubits.]} \quad 11$$

[illegible]

$$\leq \frac{1}{\epsilon} \left(\sum_{j=0}^{k-1} \frac{1}{2^j} \right) = \frac{1}{\epsilon}$$

[illegible]

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

[illegible]