



With QRAM: $\mathcal{O} \left(N \log(N) \kappa^2 s^2 / \varepsilon^2 \right)$

Without QRAM:
 $\mathcal{O} \left(N^2 \kappa / \varepsilon + N \log(N) \kappa^2 s^2 / \varepsilon \right)$