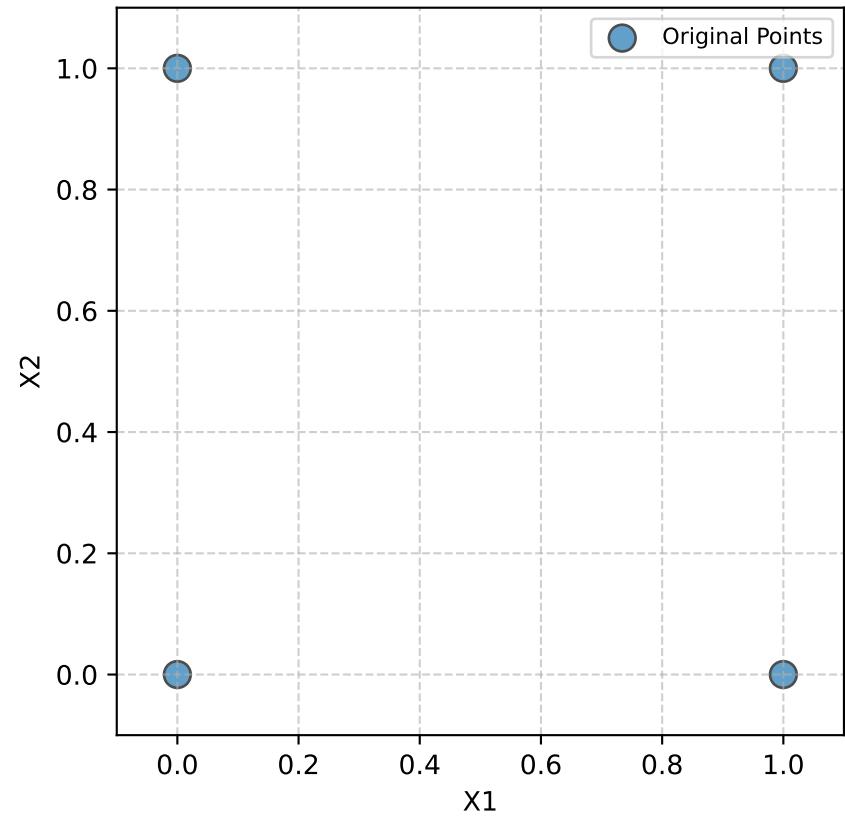
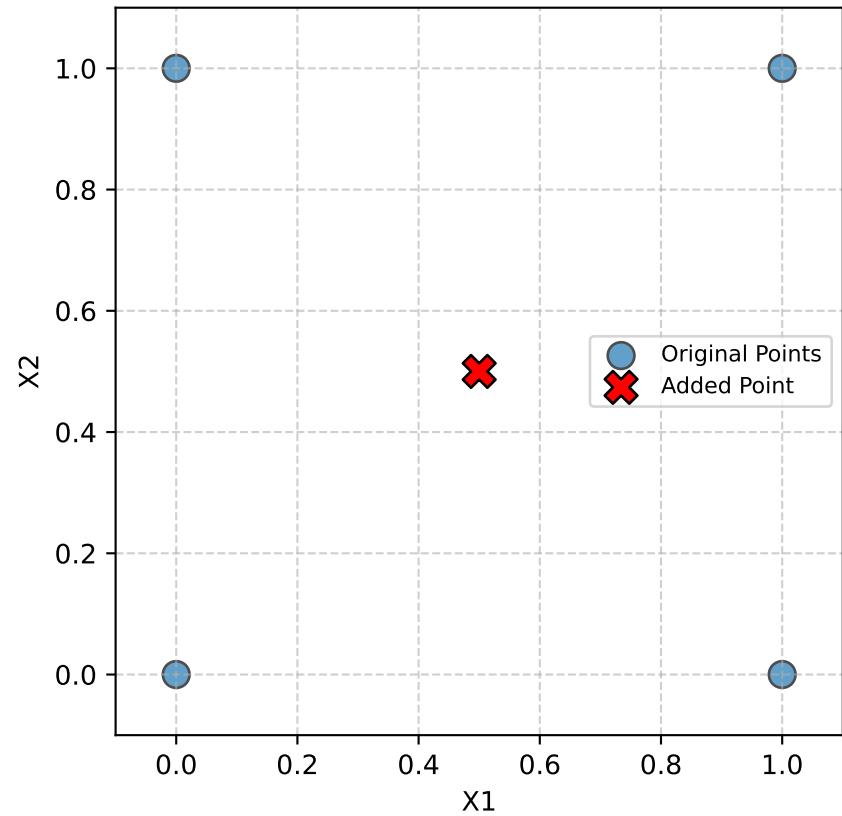


Impact of Adding a Point to a 2x2 Grid Design ($q=2.0$, $p=2.0$)

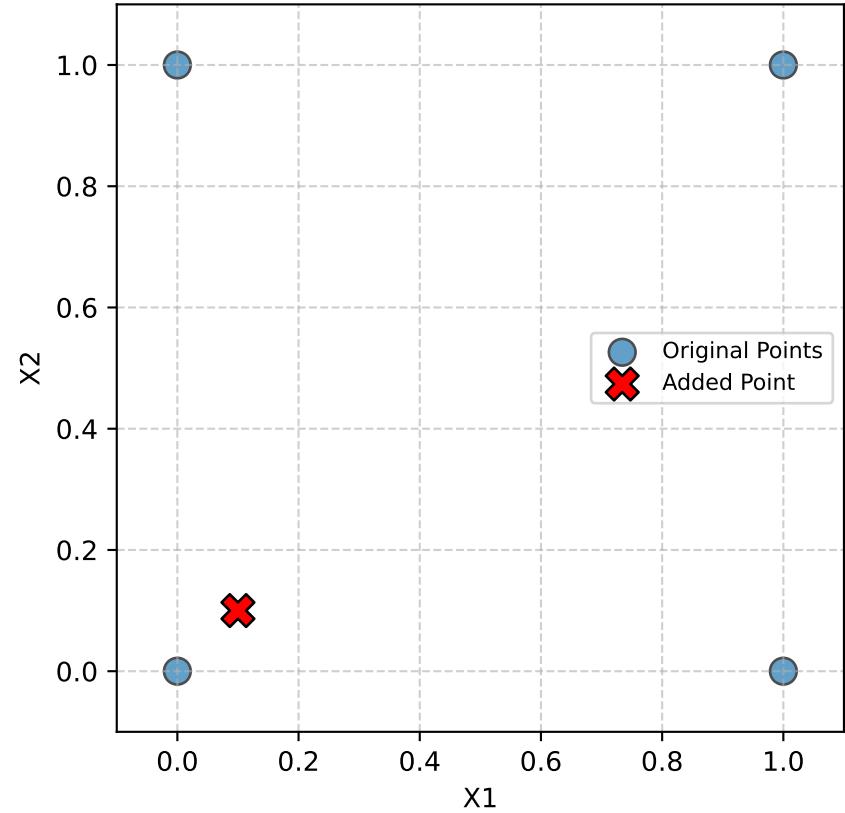
Initial Design
 $\Phi_q = 2.236$



Scenario 1: Add to Center
 $\Phi_q = 3.606$



Scenario 2: Add Close to Existing (Cluster)
 $\Phi_q = 7.619$



Scenario 3: Add on Edge
 $\Phi_q = 3.821$

