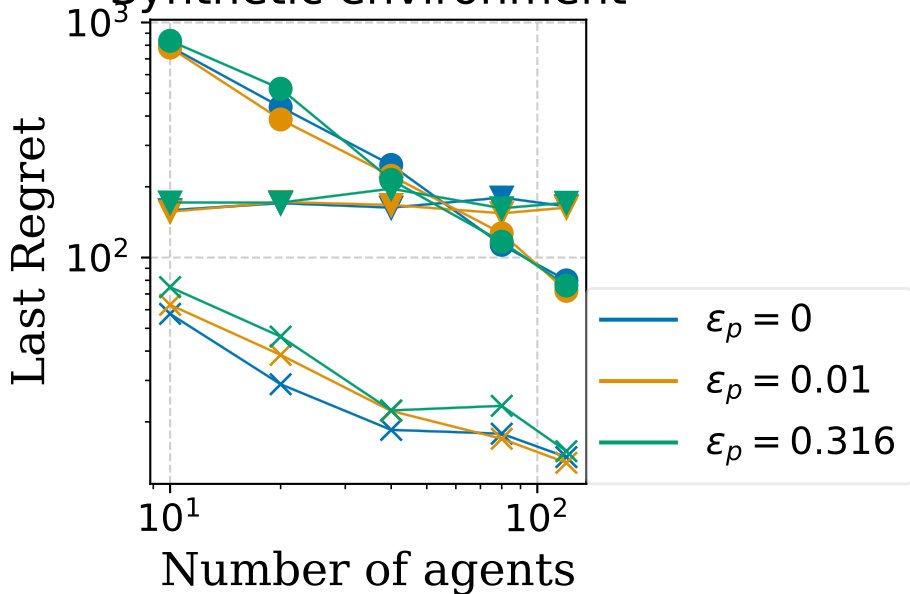


# Synthetic environment



Common regret (lower is better), at  $T = 10^4$  as a function of  $M$  for different heterogeneity levels in a log-log scale:  
crosses represent Fed-UCBVI, circles represent FedQ-Bernstein and triangles represent FedQ-Advantage.