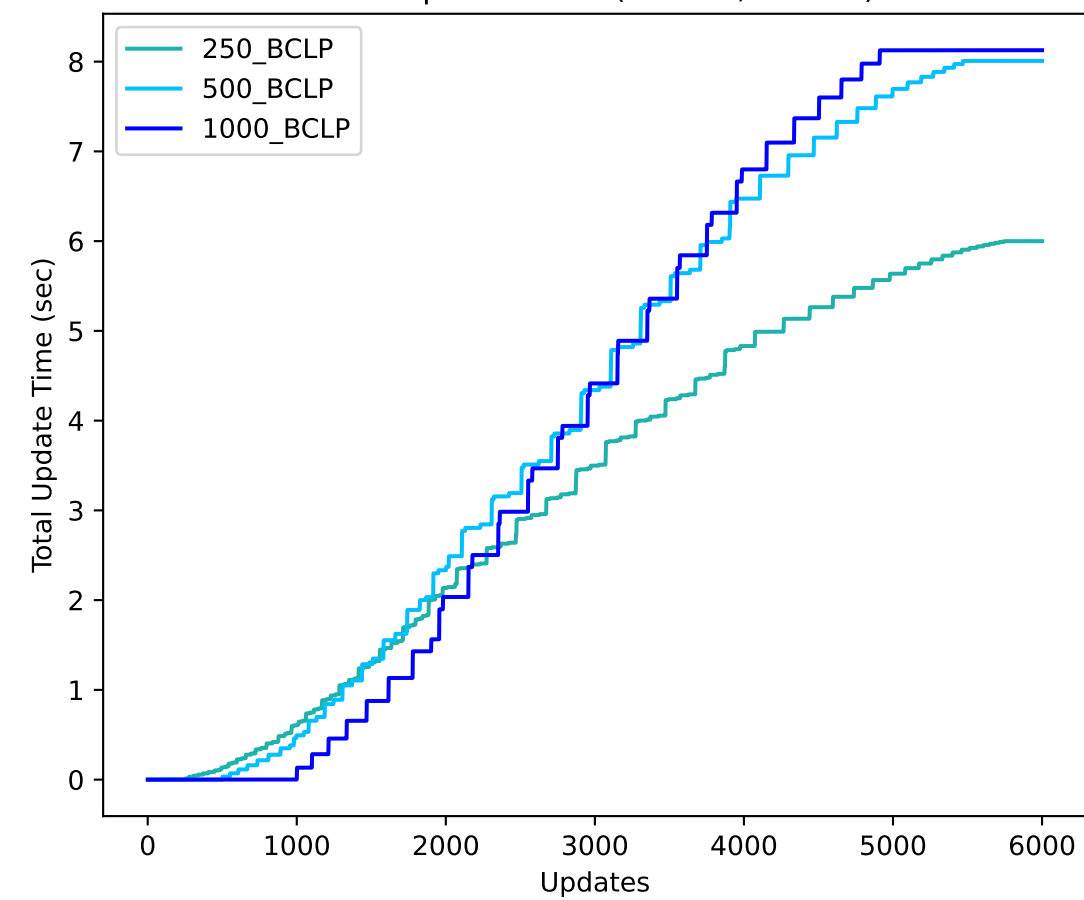
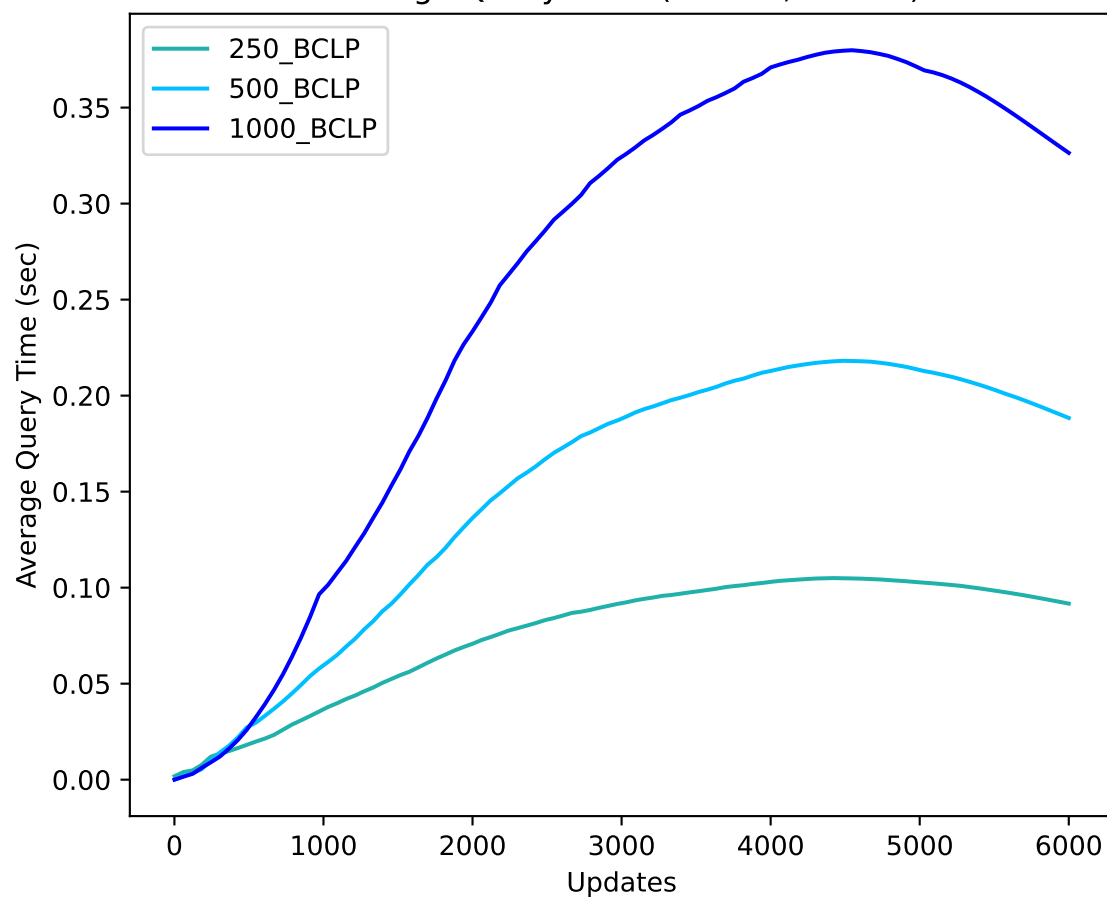


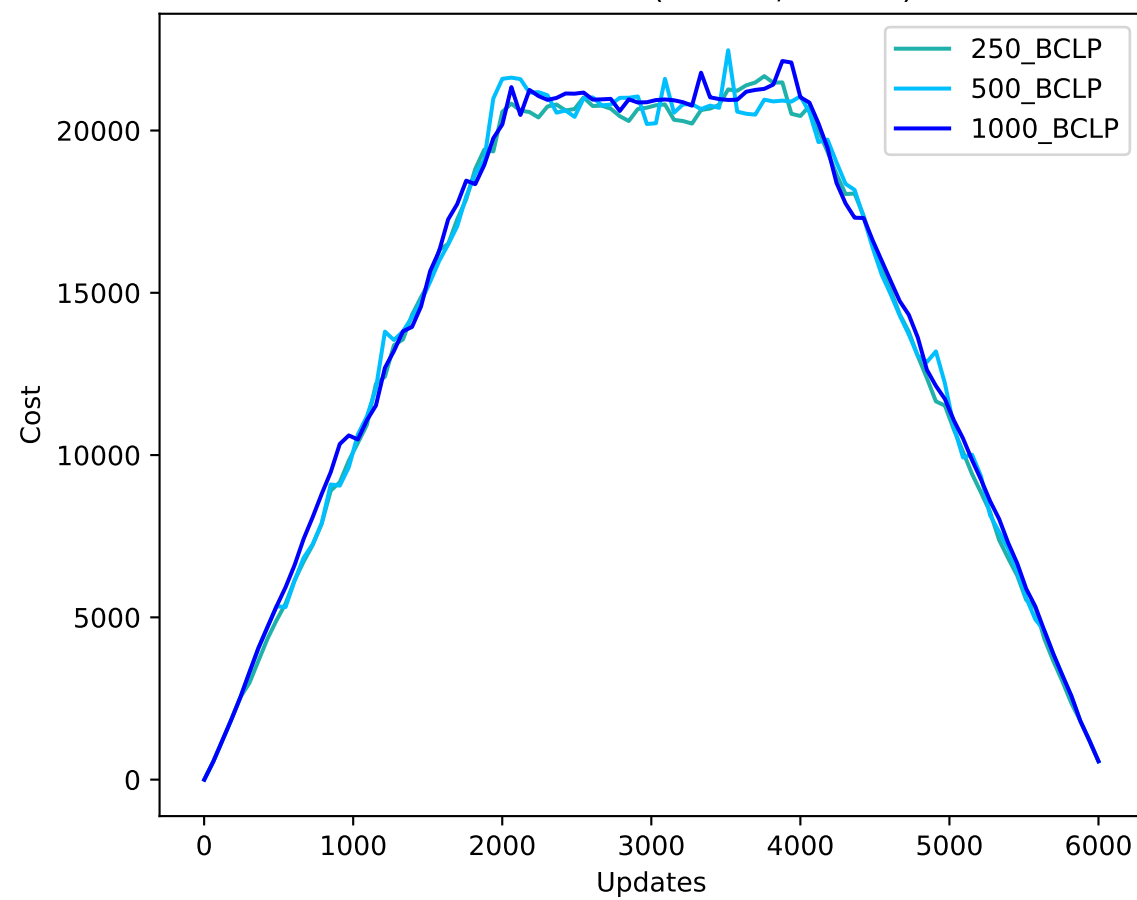
Total Update Time (census, $k = 10$)



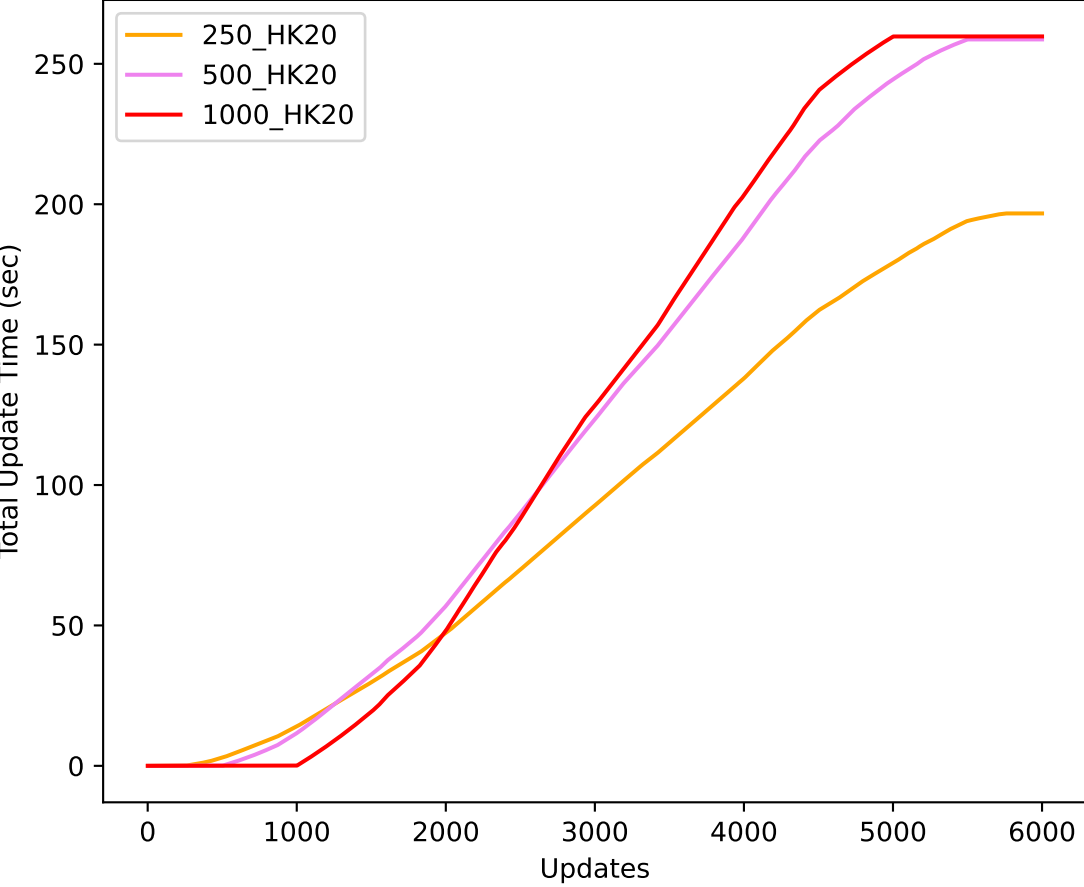
Average Query Time (census, $k = 10$)



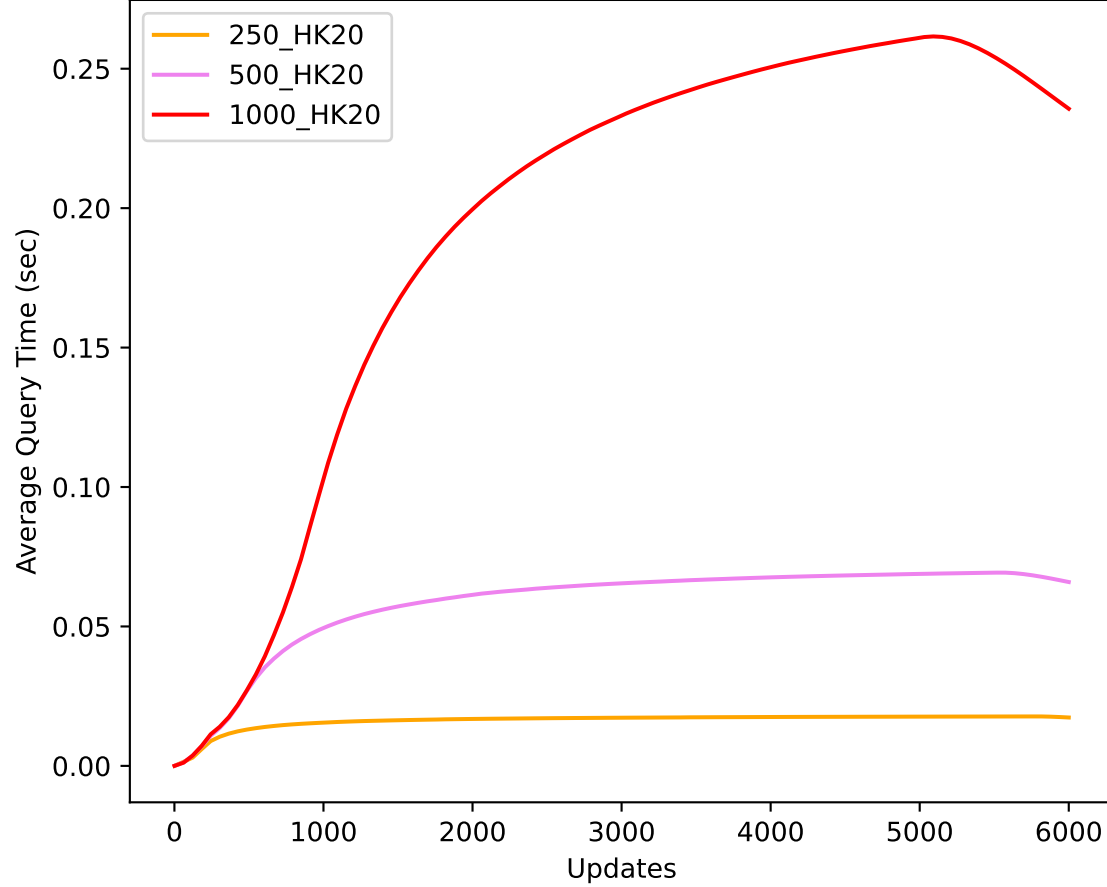
Cost of Solution (census, $k = 10$)



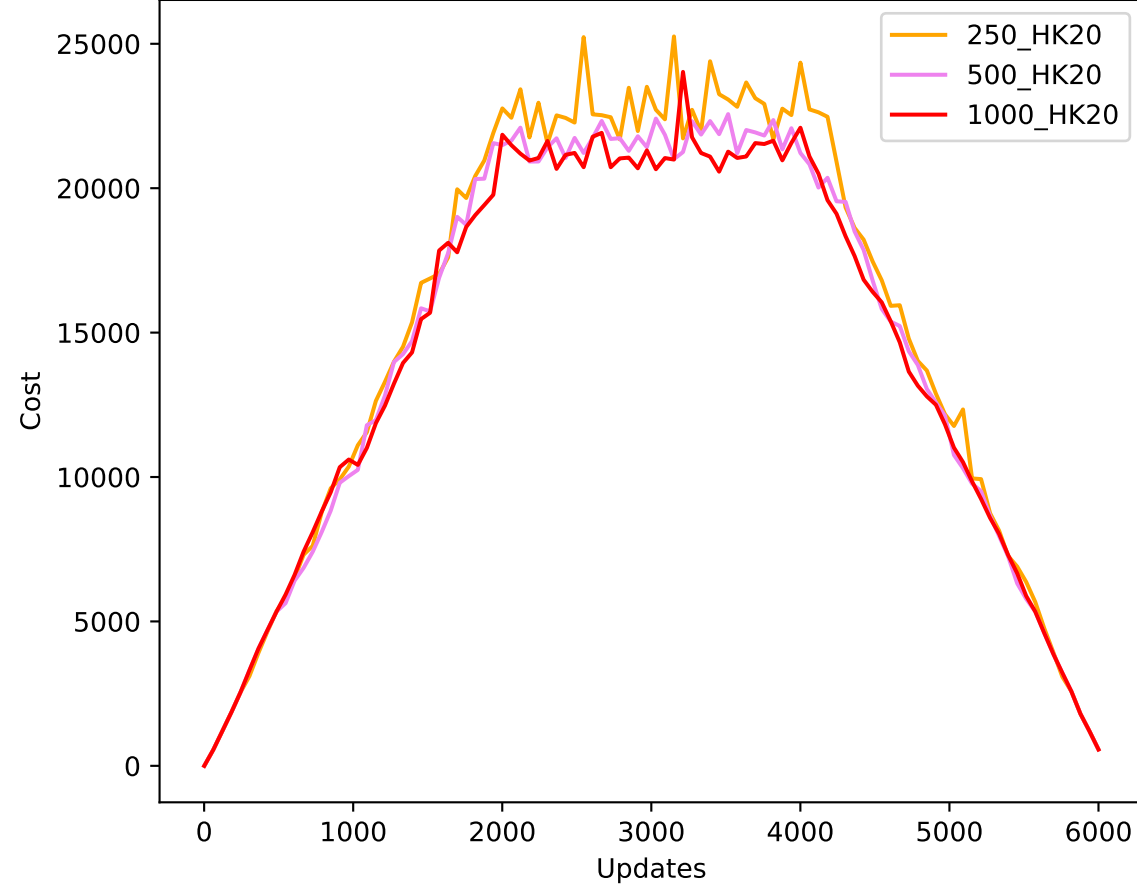
Total Update Time (census, $k = 10$)



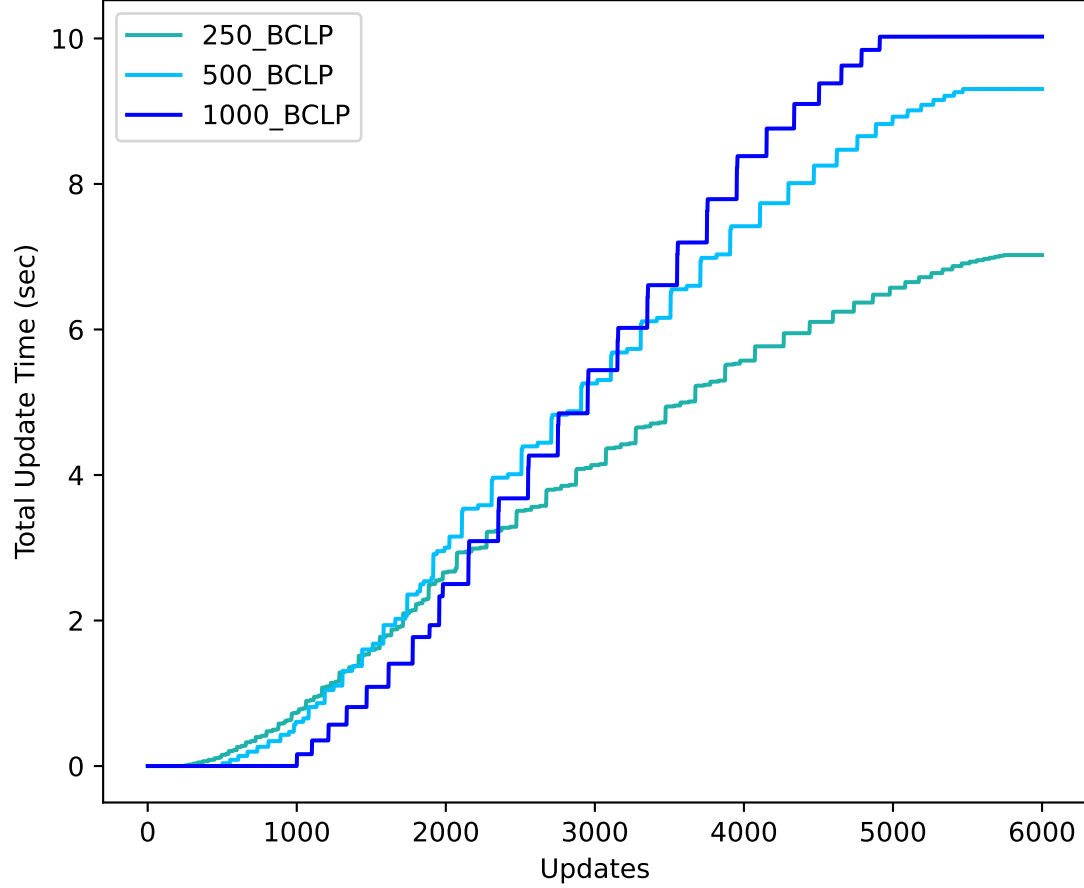
Average Query Time (census, $k = 10$)



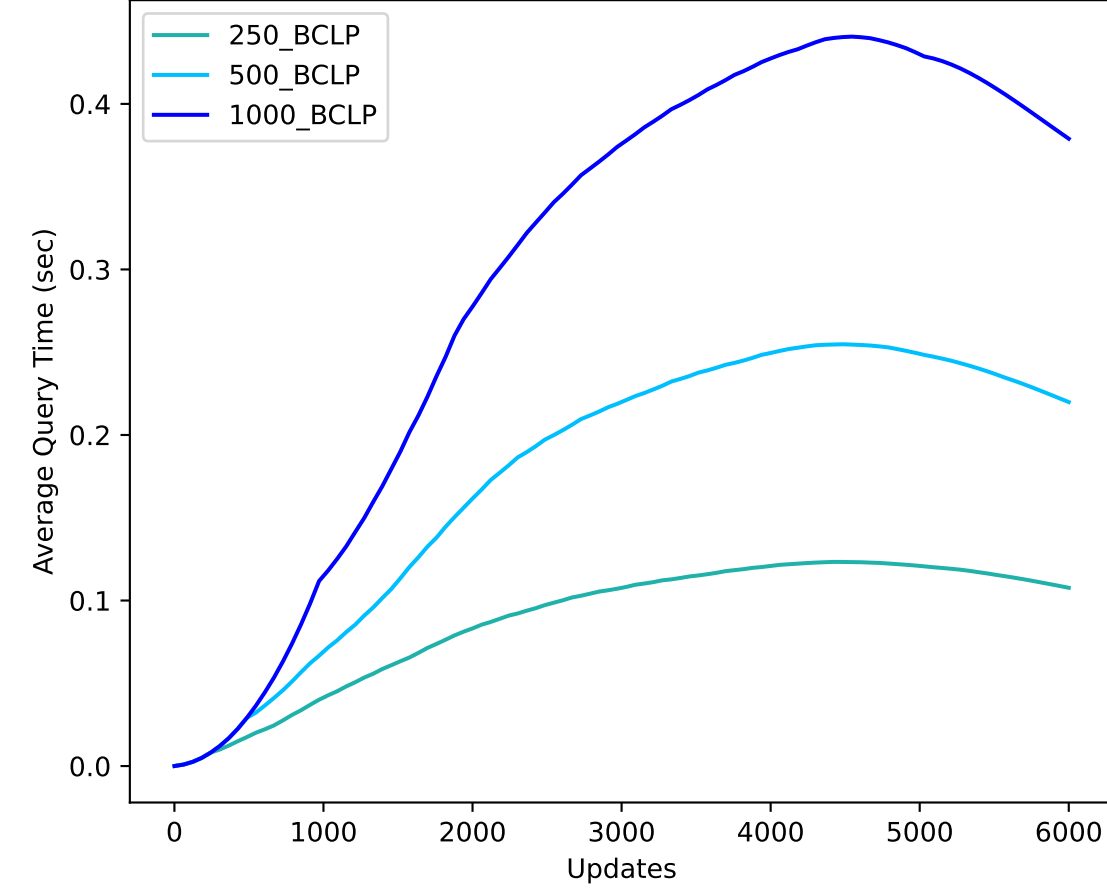
Cost of Solution (census, $k = 10$)



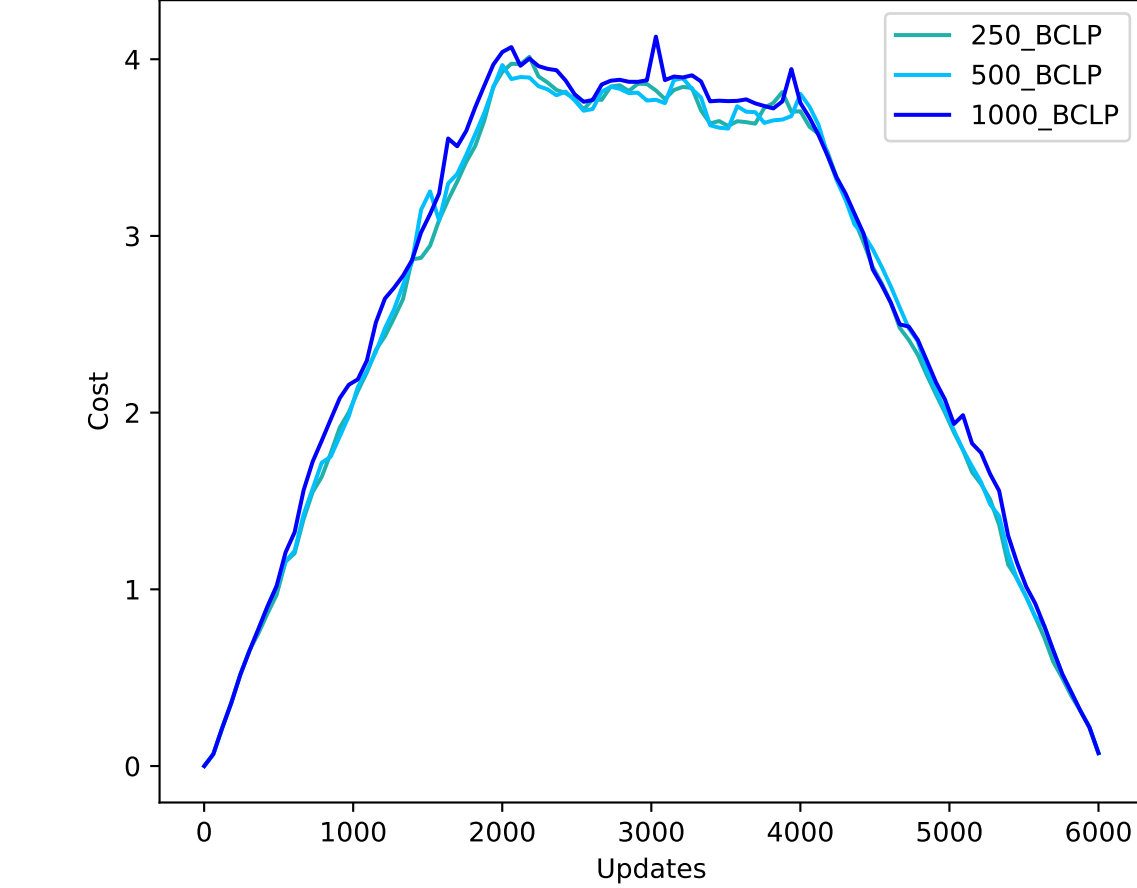
Total Update Time (song, $k = 10$)



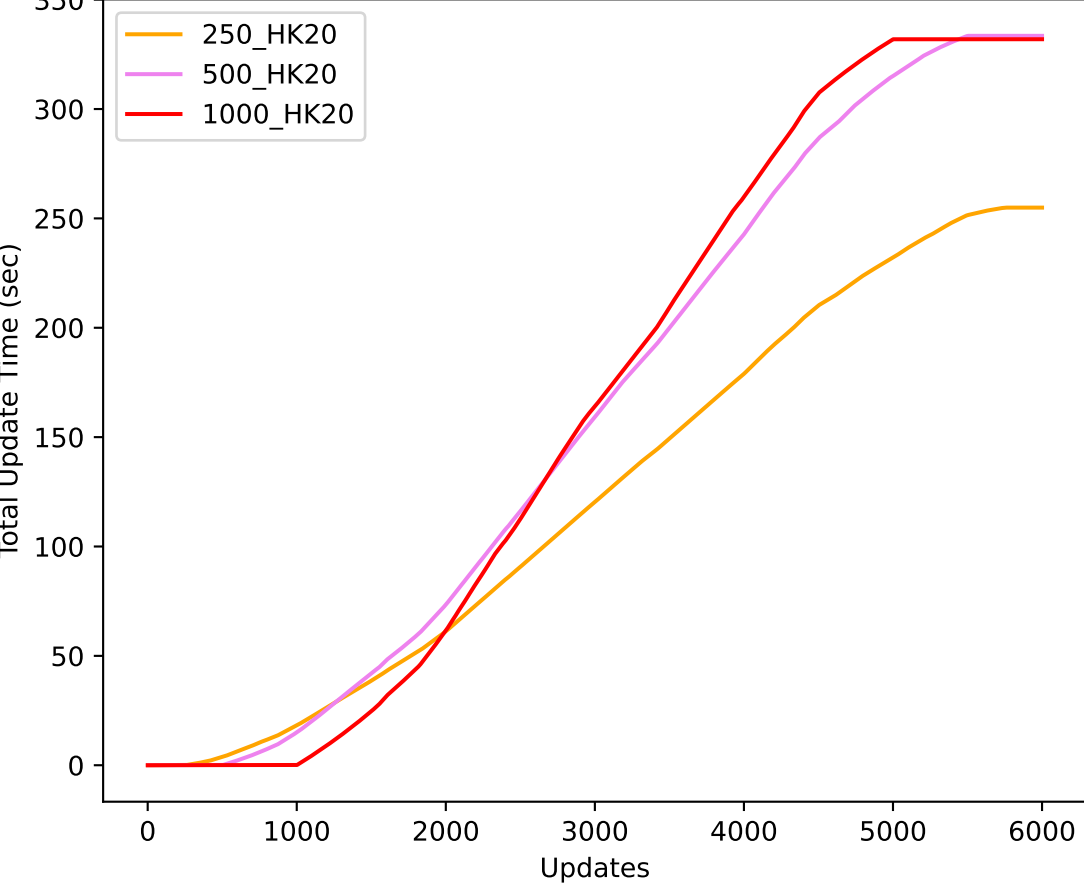
Average Query Time (song, $k = 10$)



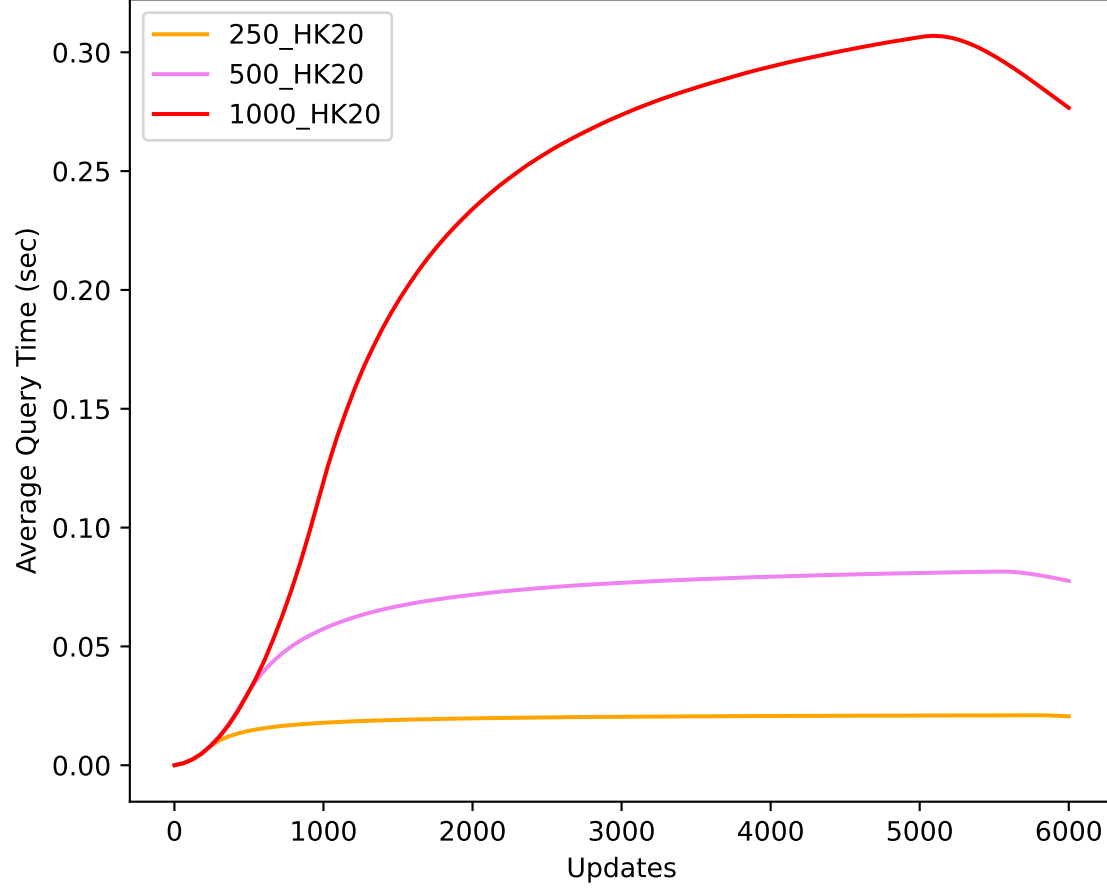
Cost of Solution (song, $k = 10$)



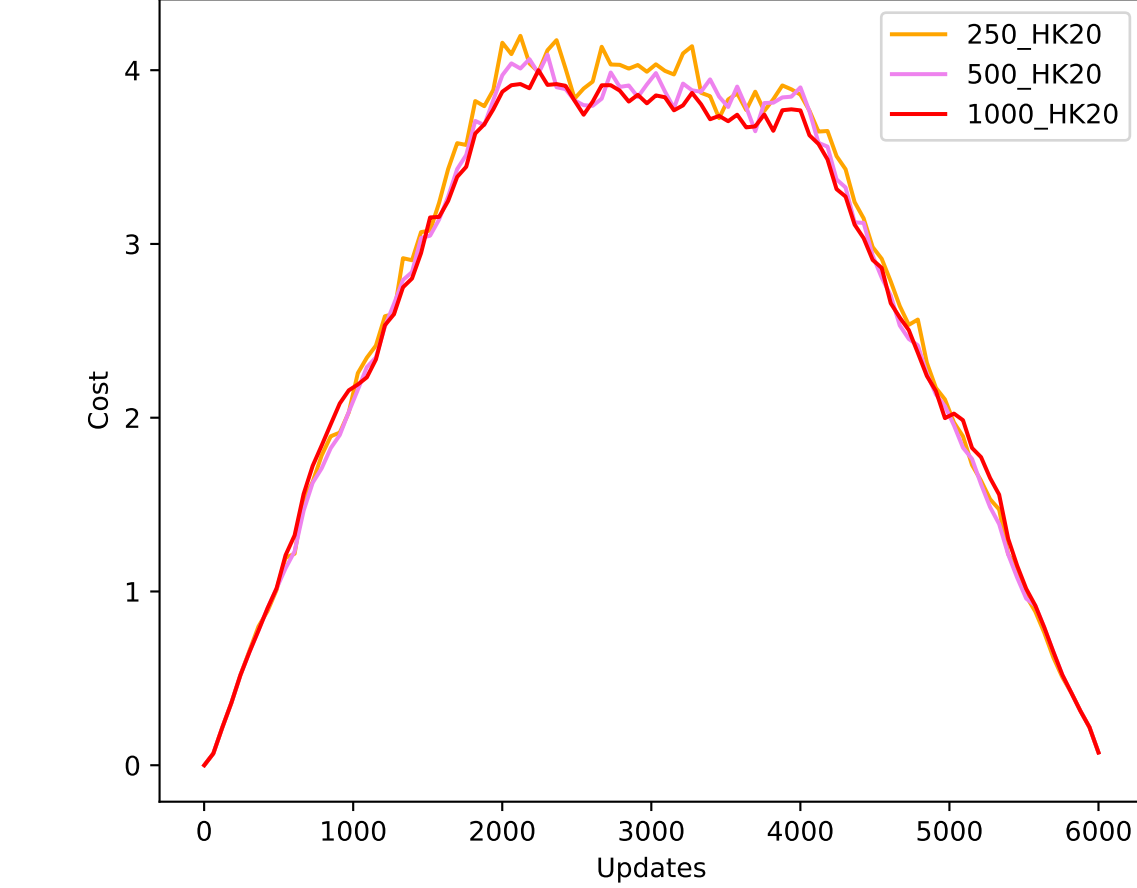
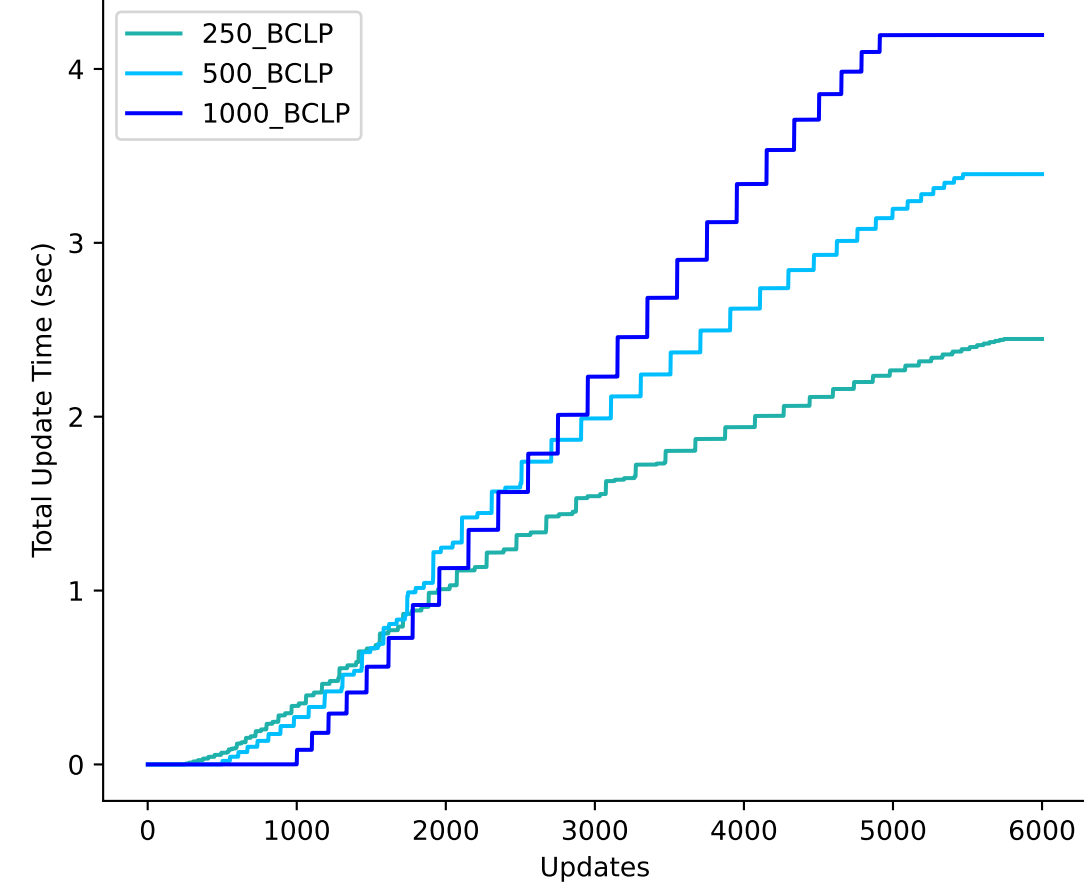
Total Update Time (song, $k = 10$)



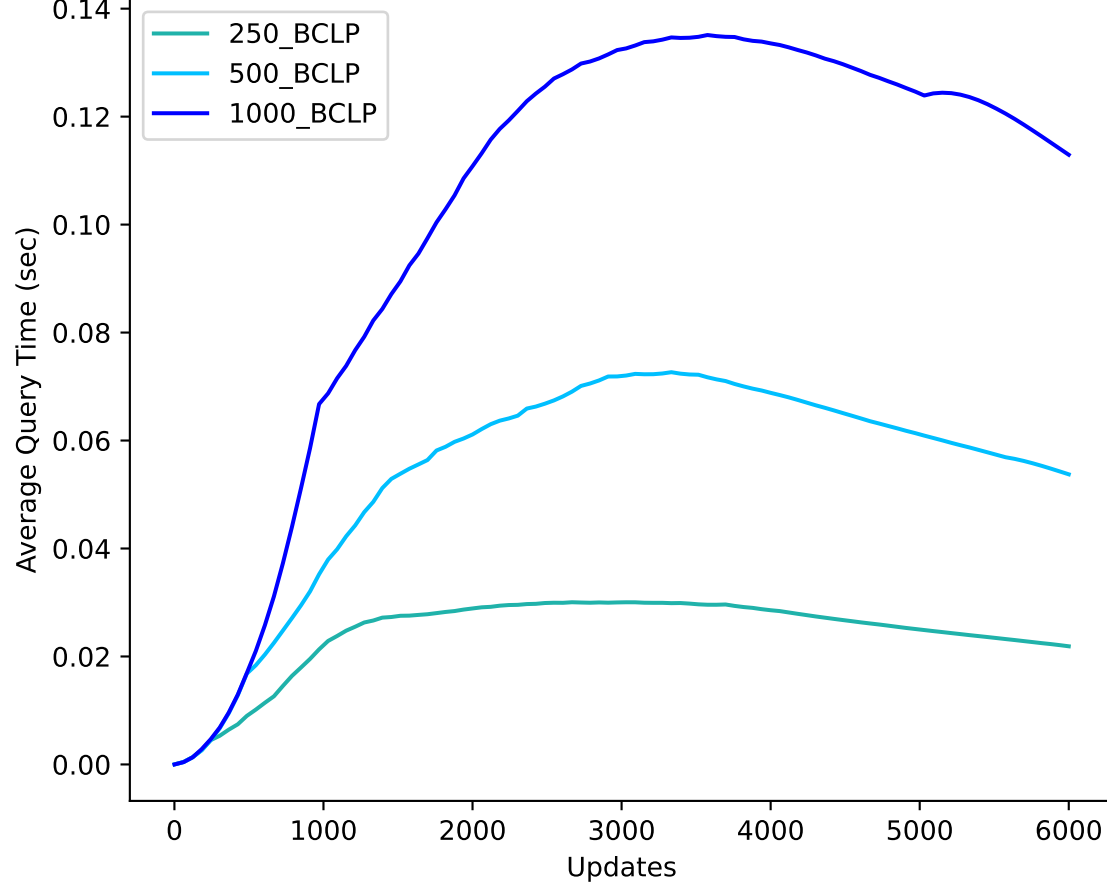
Average Query Time (song, $k = 10$)



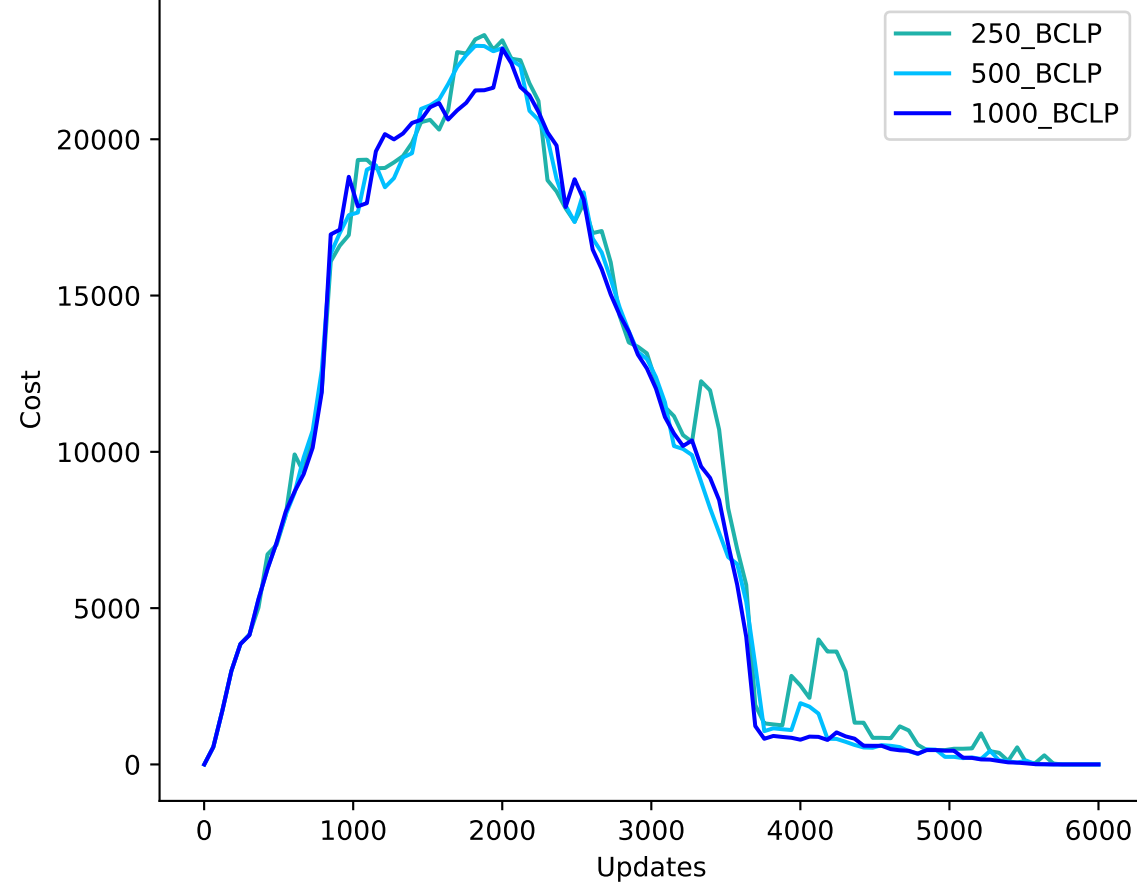
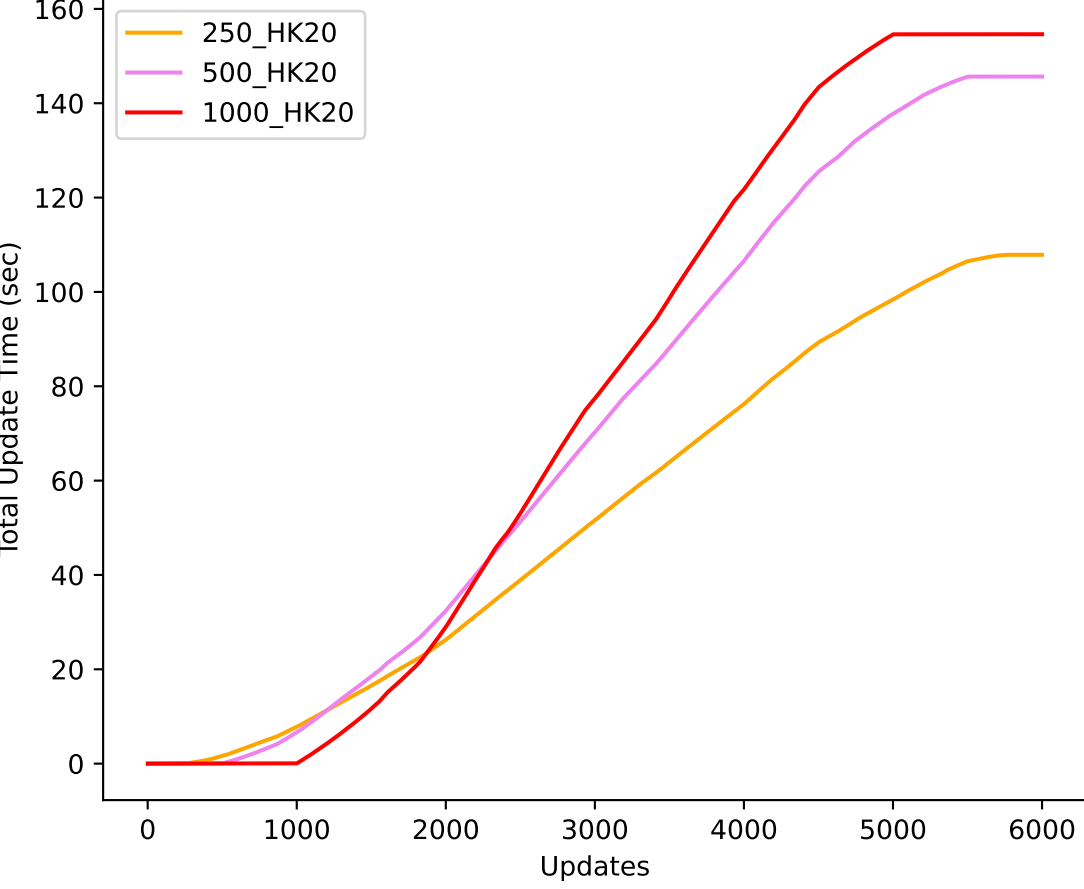
Cost of Solution (song, $k = 10$)

Total Update Time (kddcup, $k = 10$)

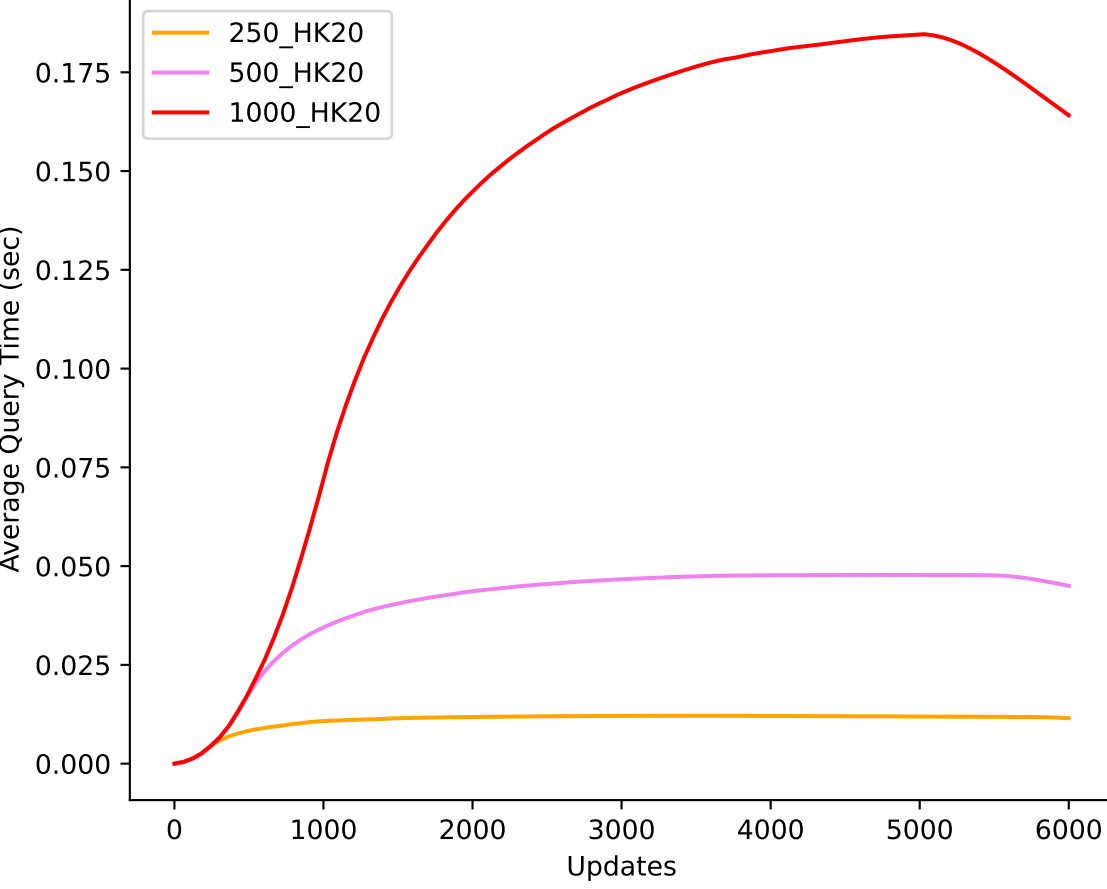
Average Query Time (kddcup, $k = 10$)



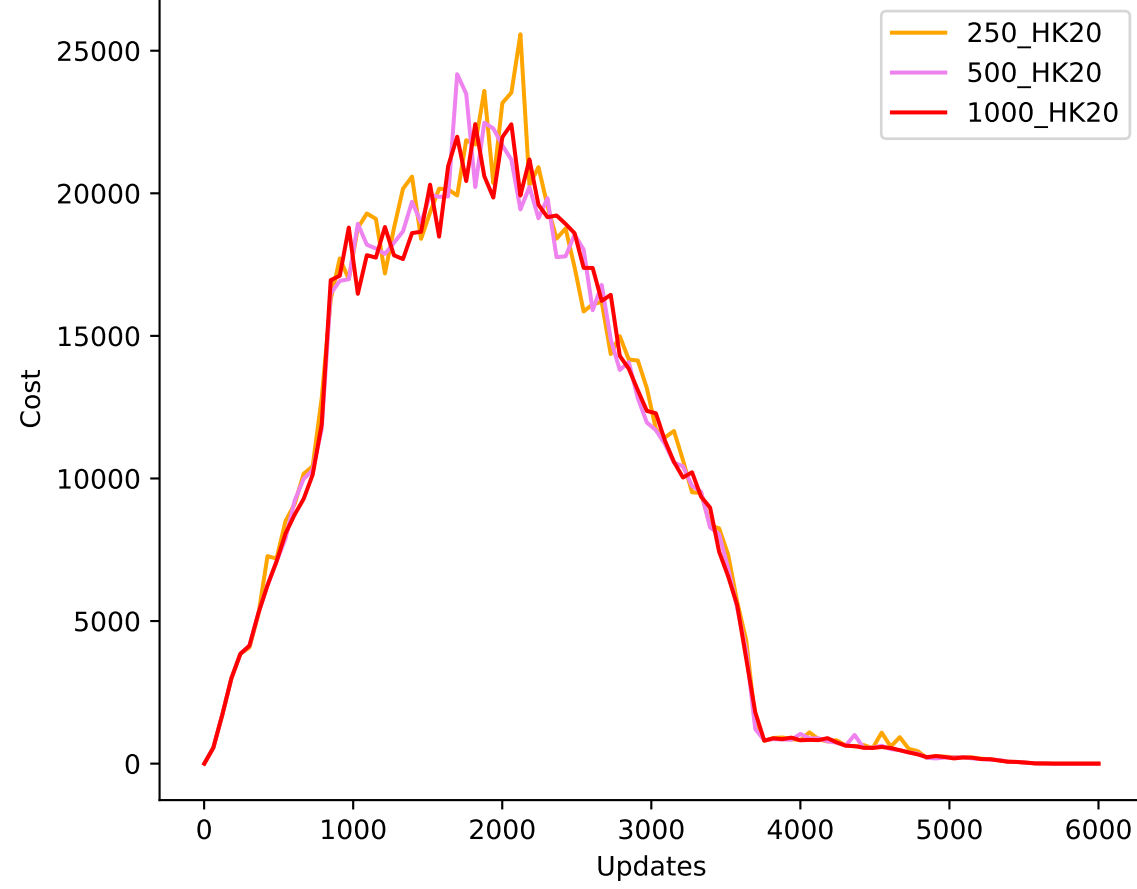
Cost of Solution (kddcup, $k = 10$)

Total Update Time (kddcup, $k = 10$)

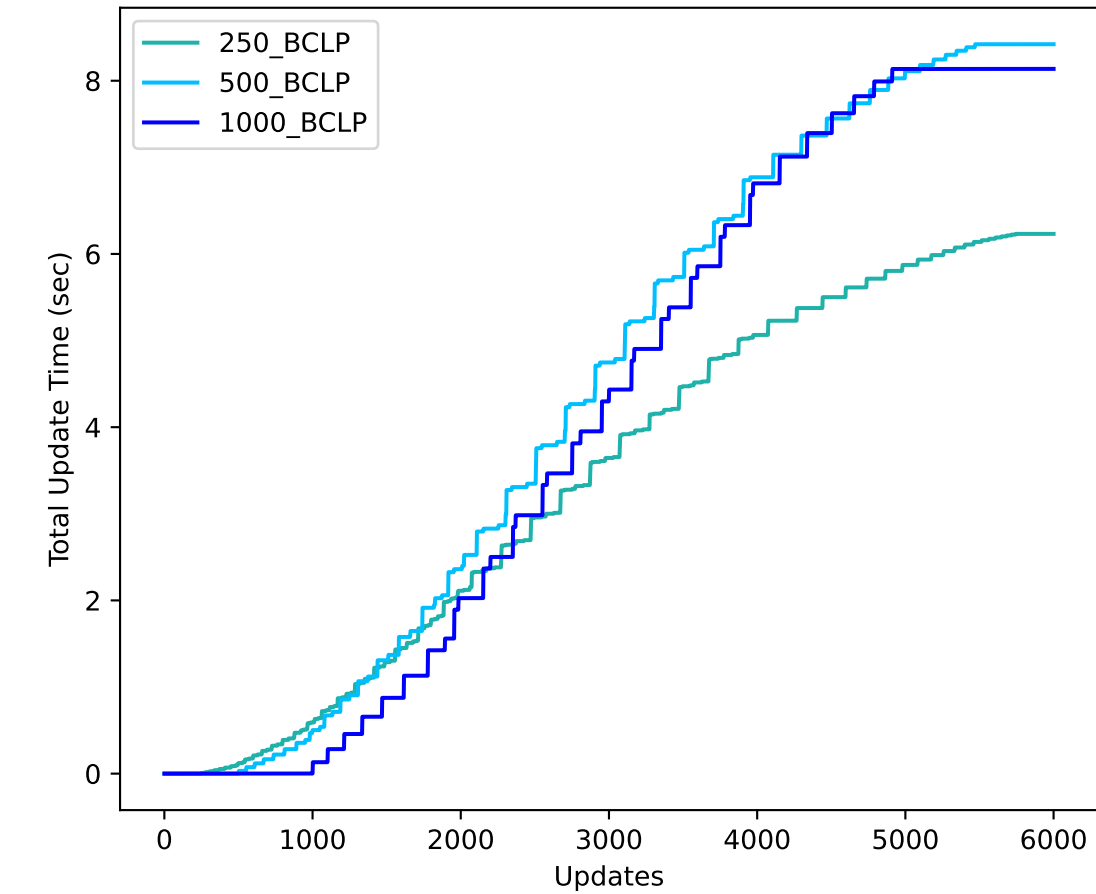
Average Query Time (kddcup, $k = 10$)



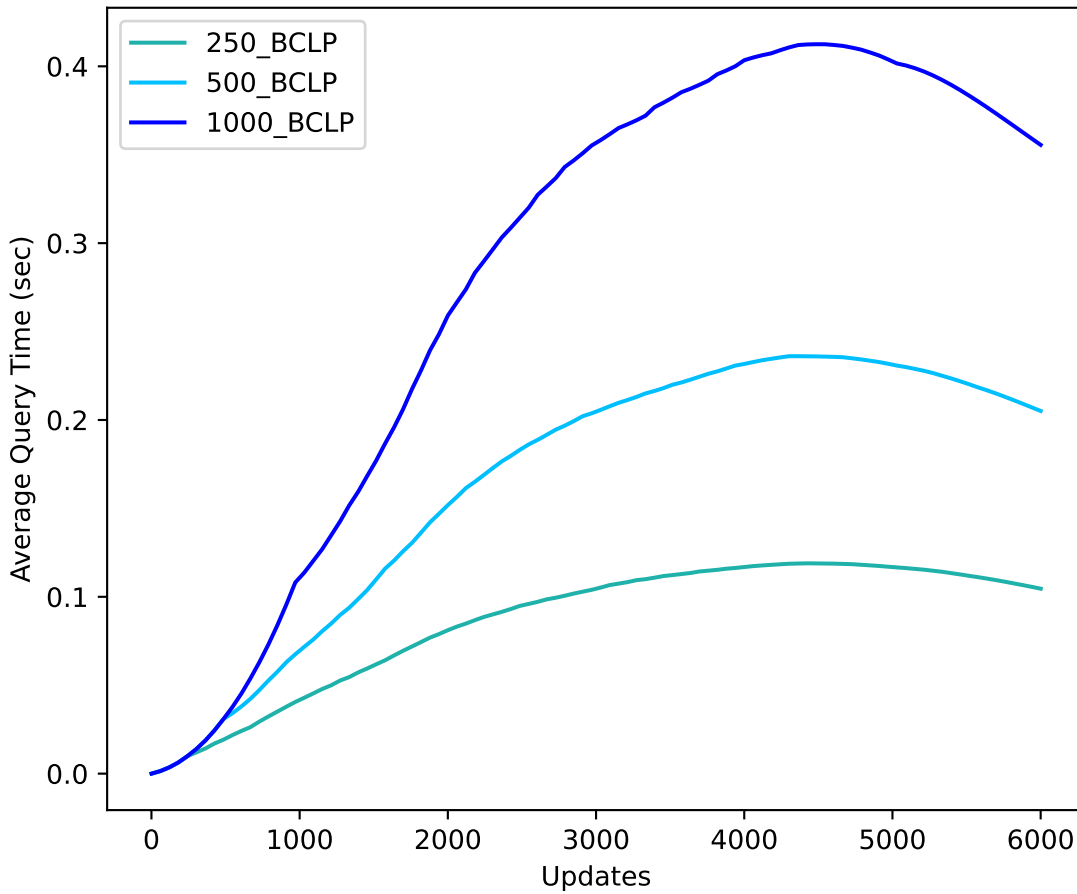
Cost of Solution (kddcup, $k = 10$)



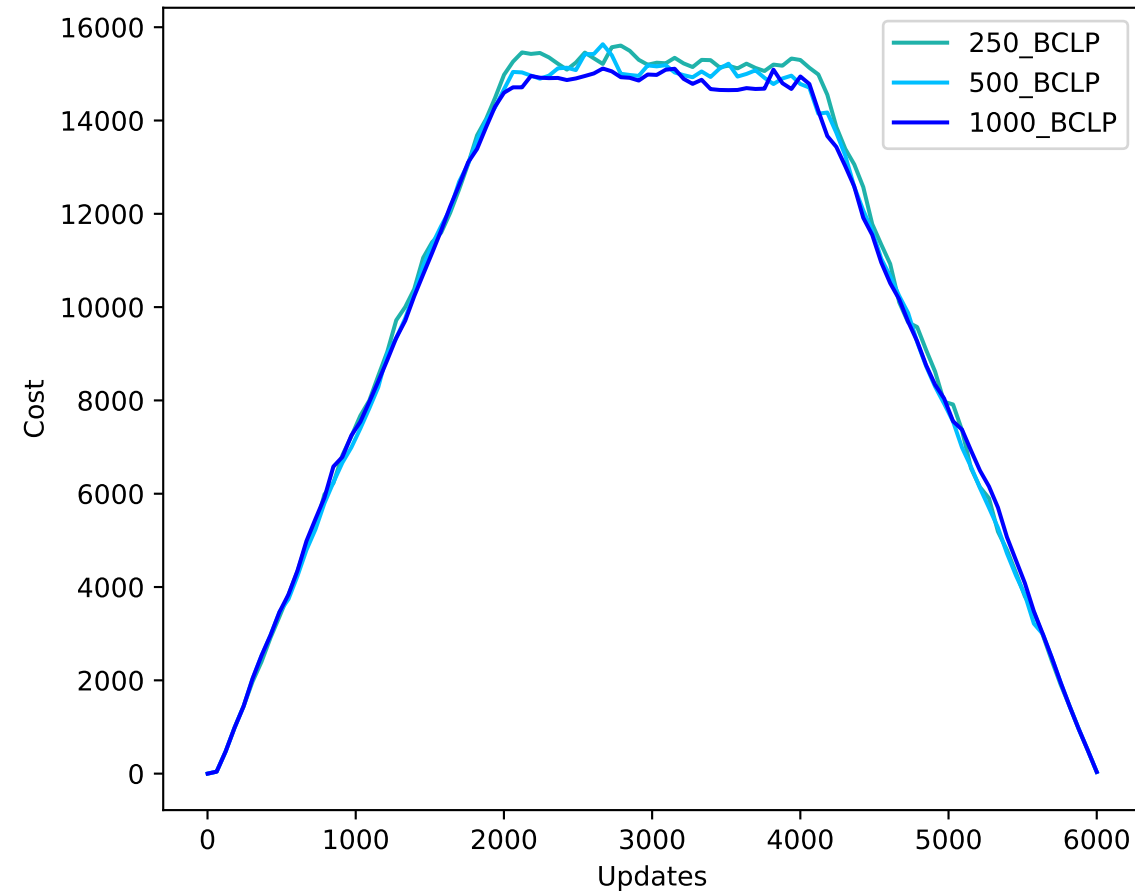
Total Update Time (census, k = 50)



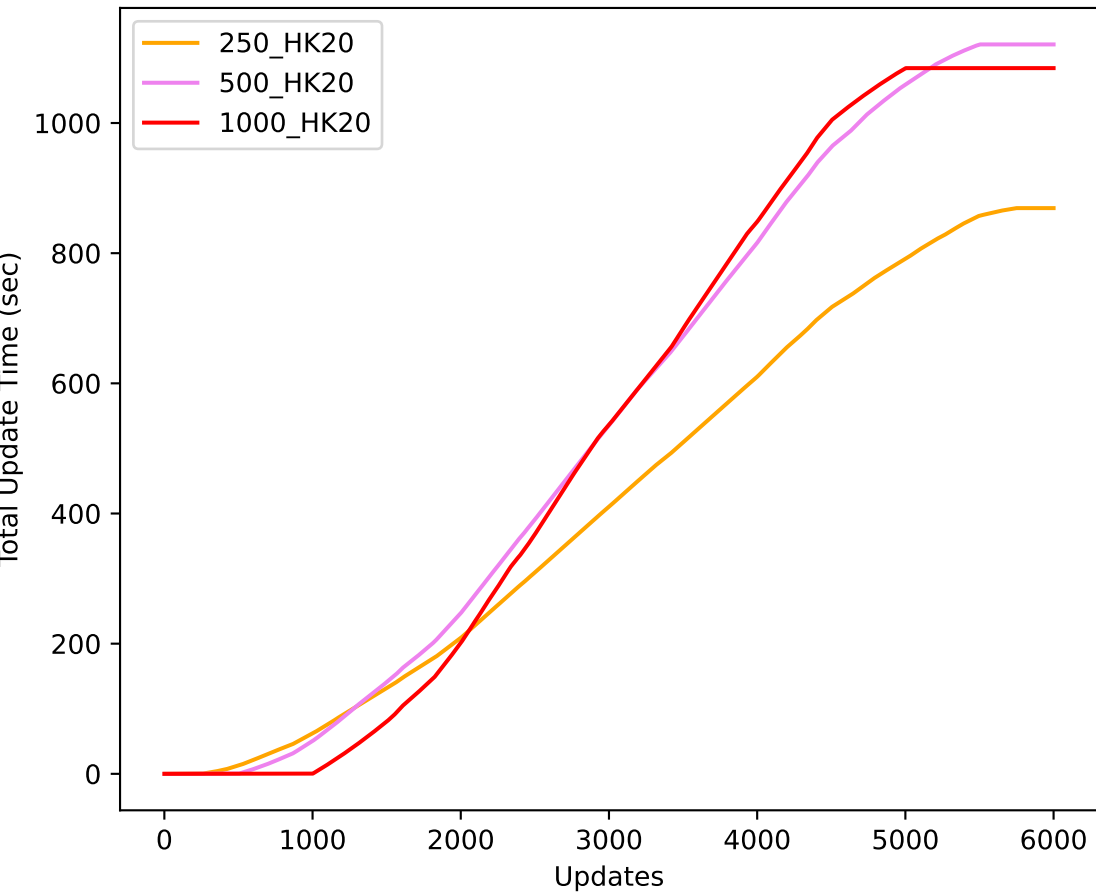
Average Query Time (census, k = 50)



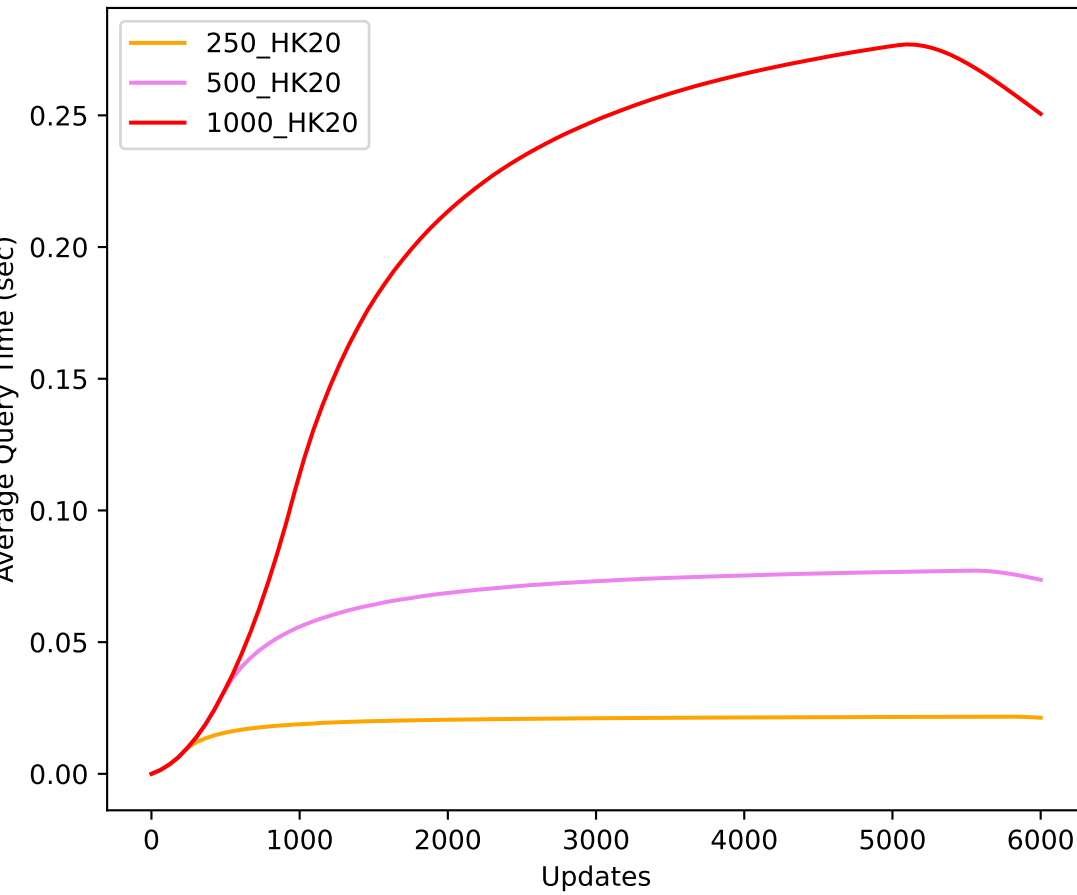
Cost of Solution (census, k = 50)



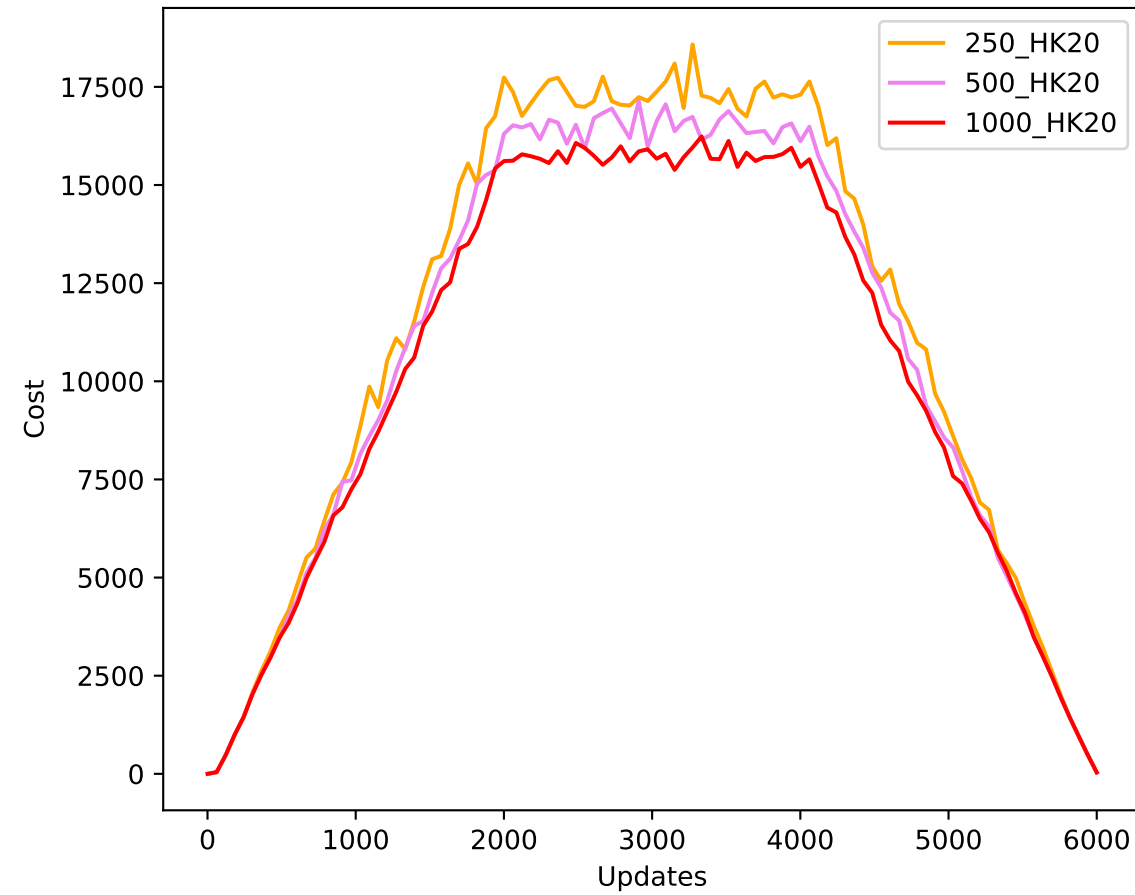
Total Update Time (census, k = 50)



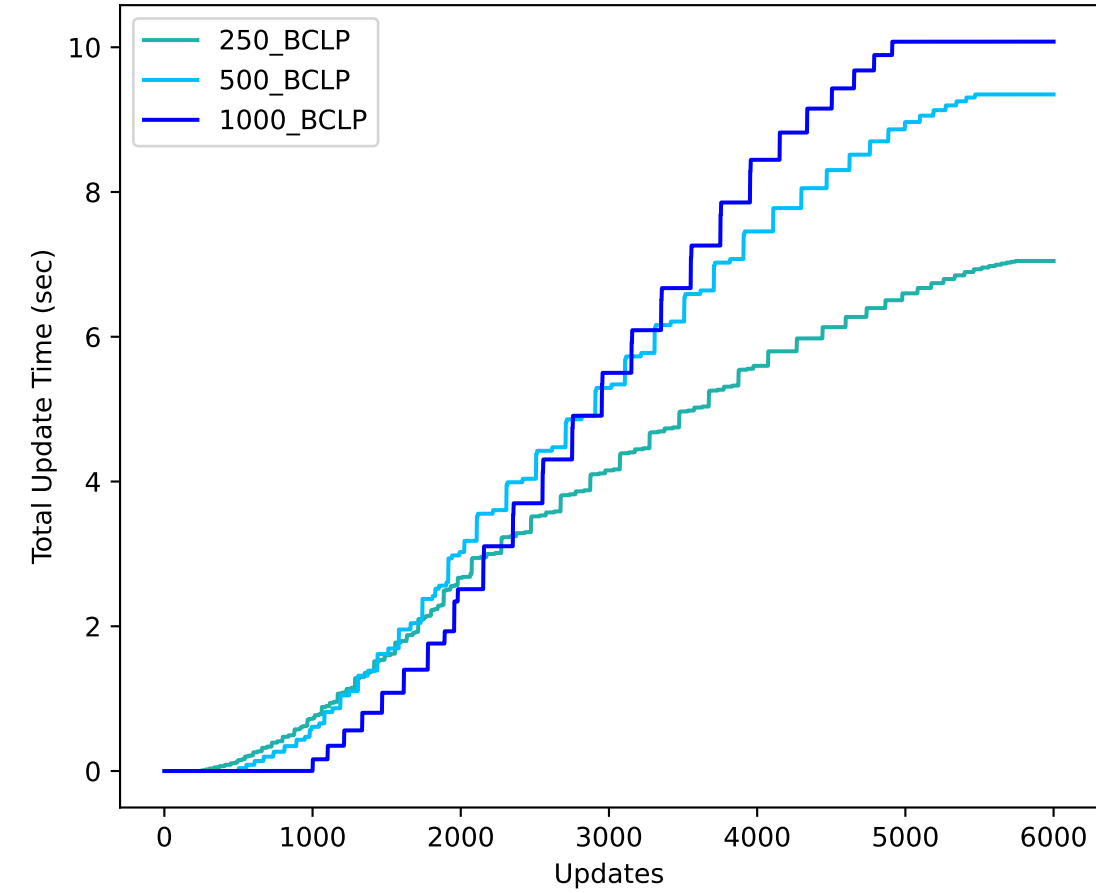
Average Query Time (census, k = 50)



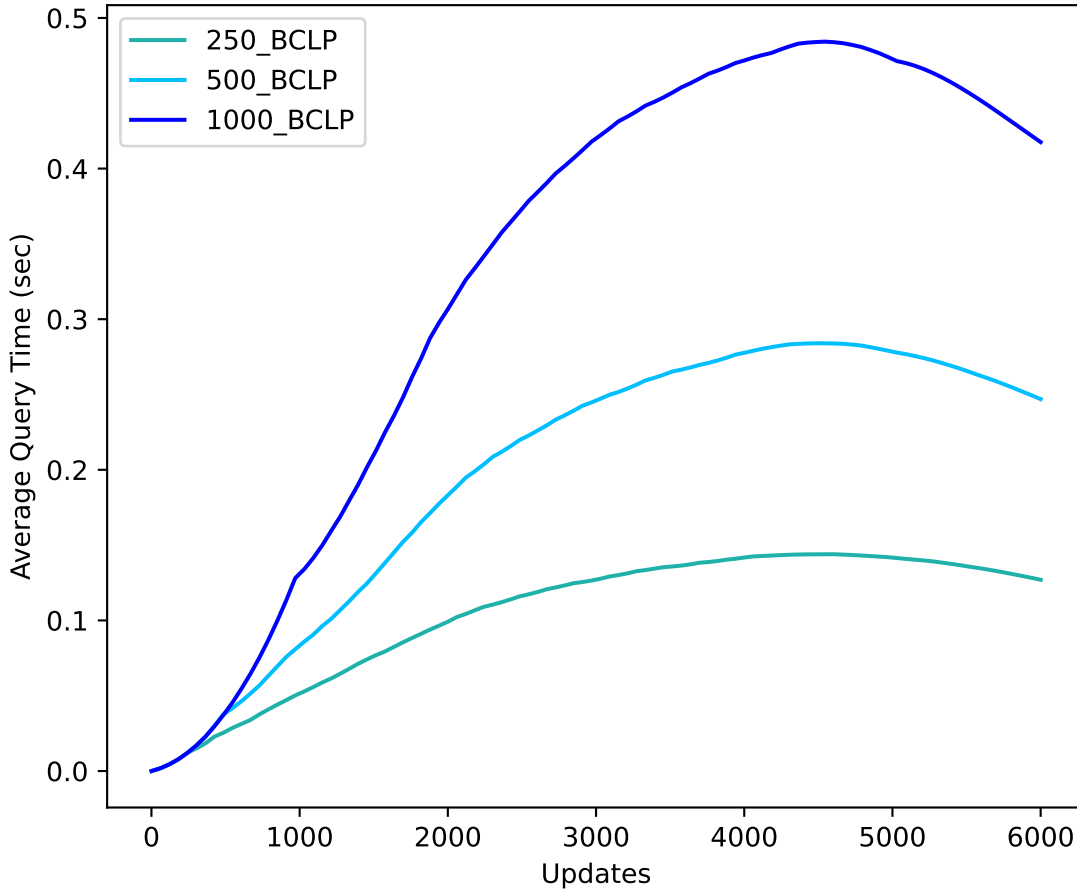
Cost of Solution (census, k = 50)



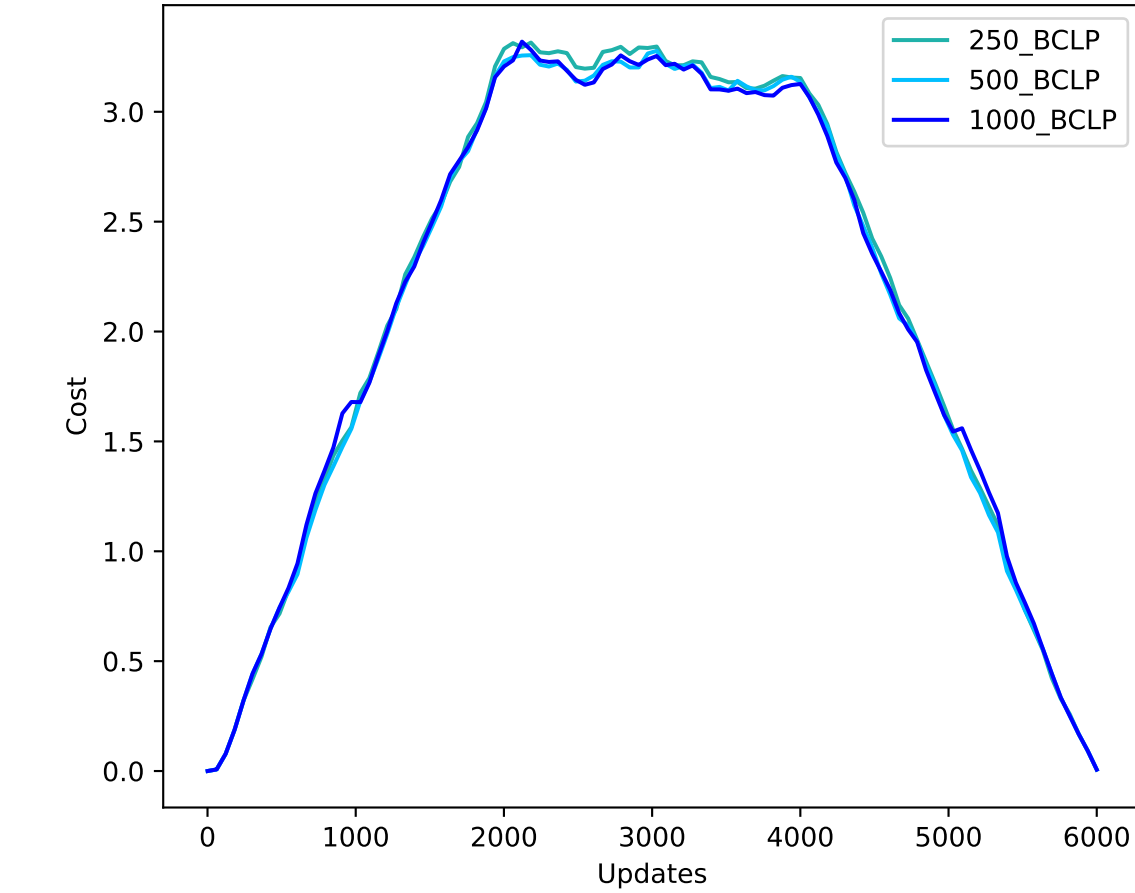
Total Update Time (song, k = 50)



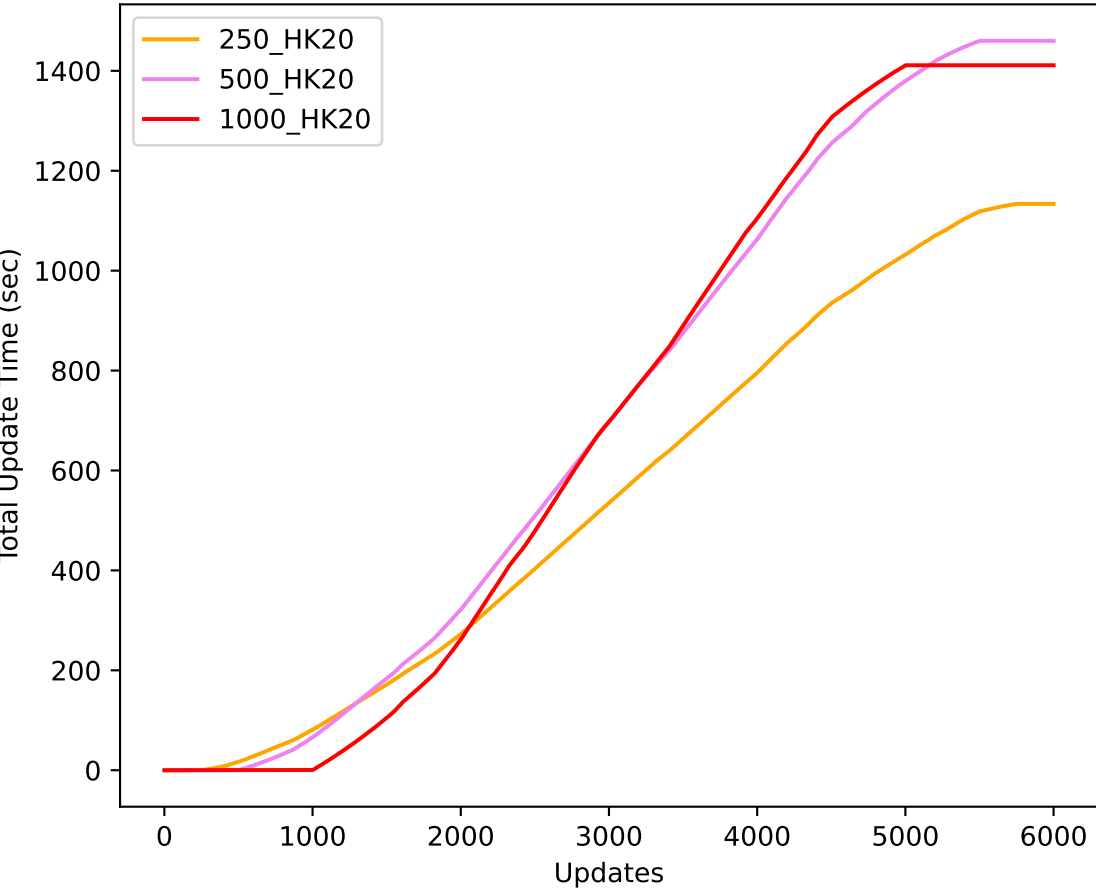
Average Query Time (song, k = 50)



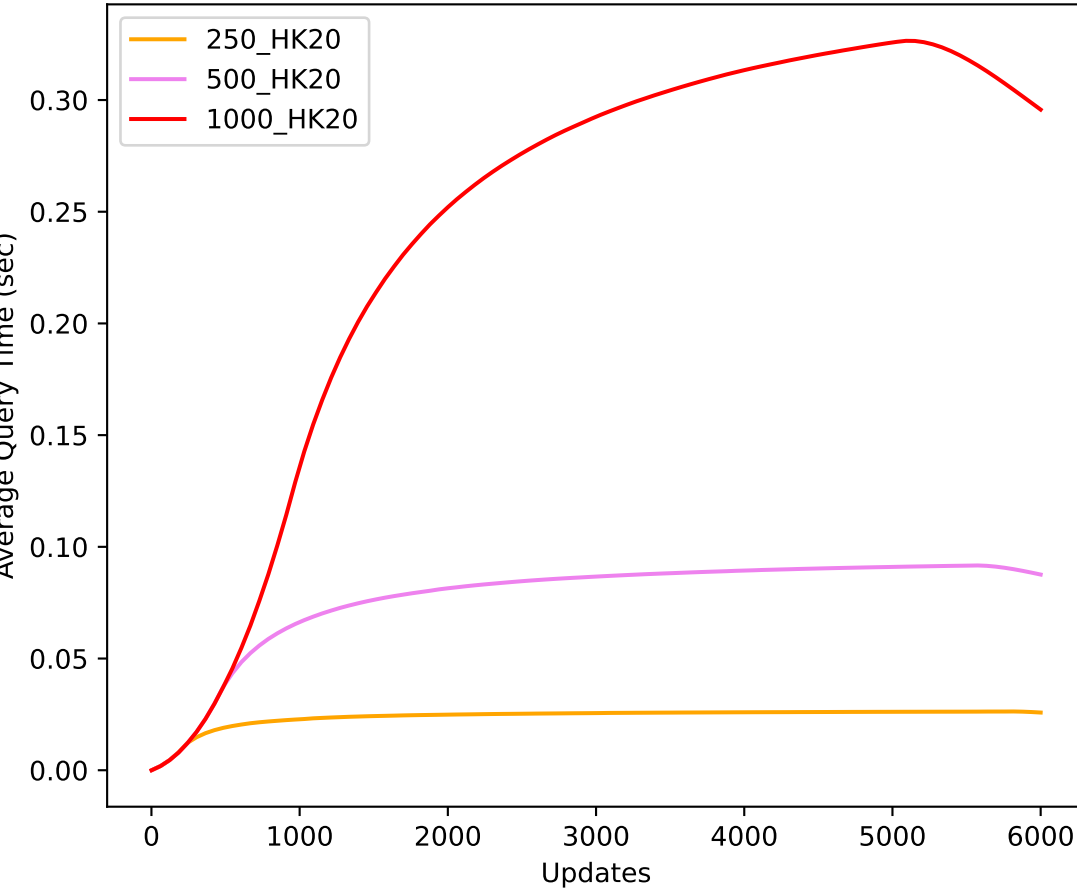
Cost of Solution (song, k = 50)



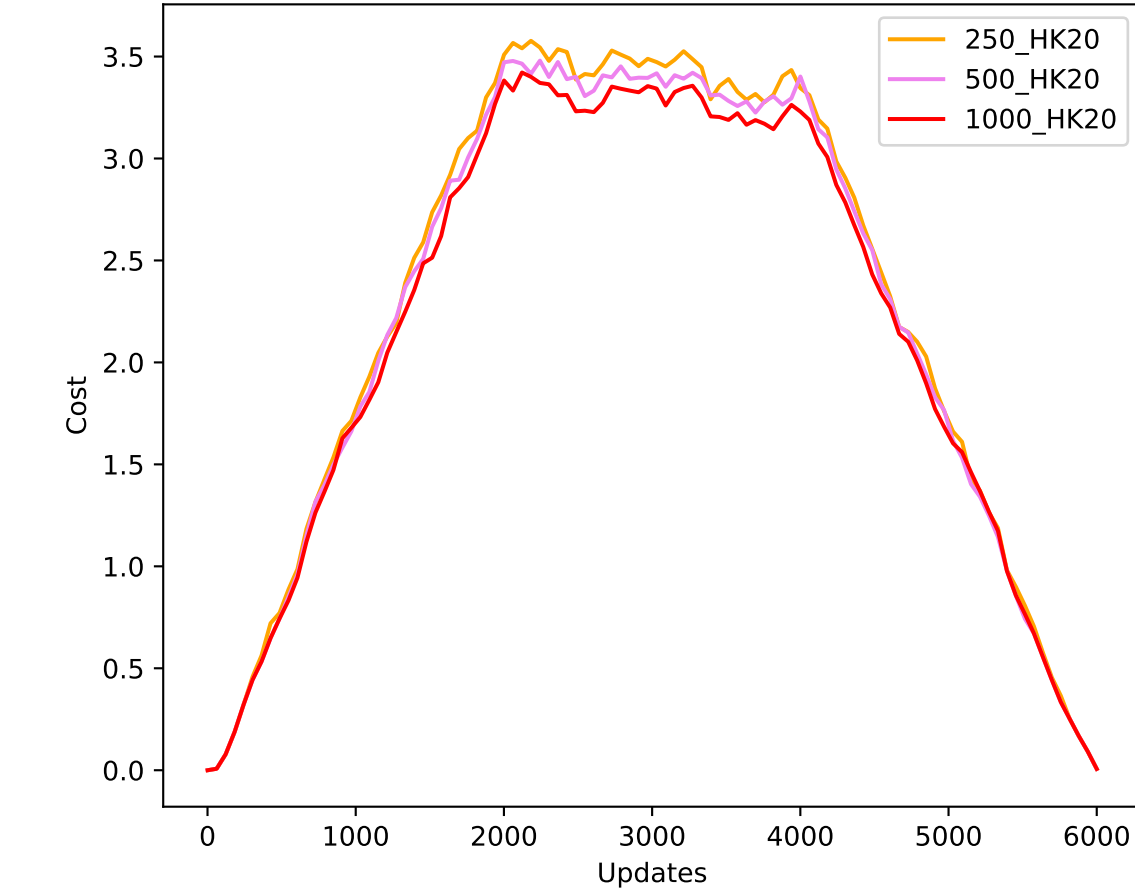
Total Update Time (song, k = 50)



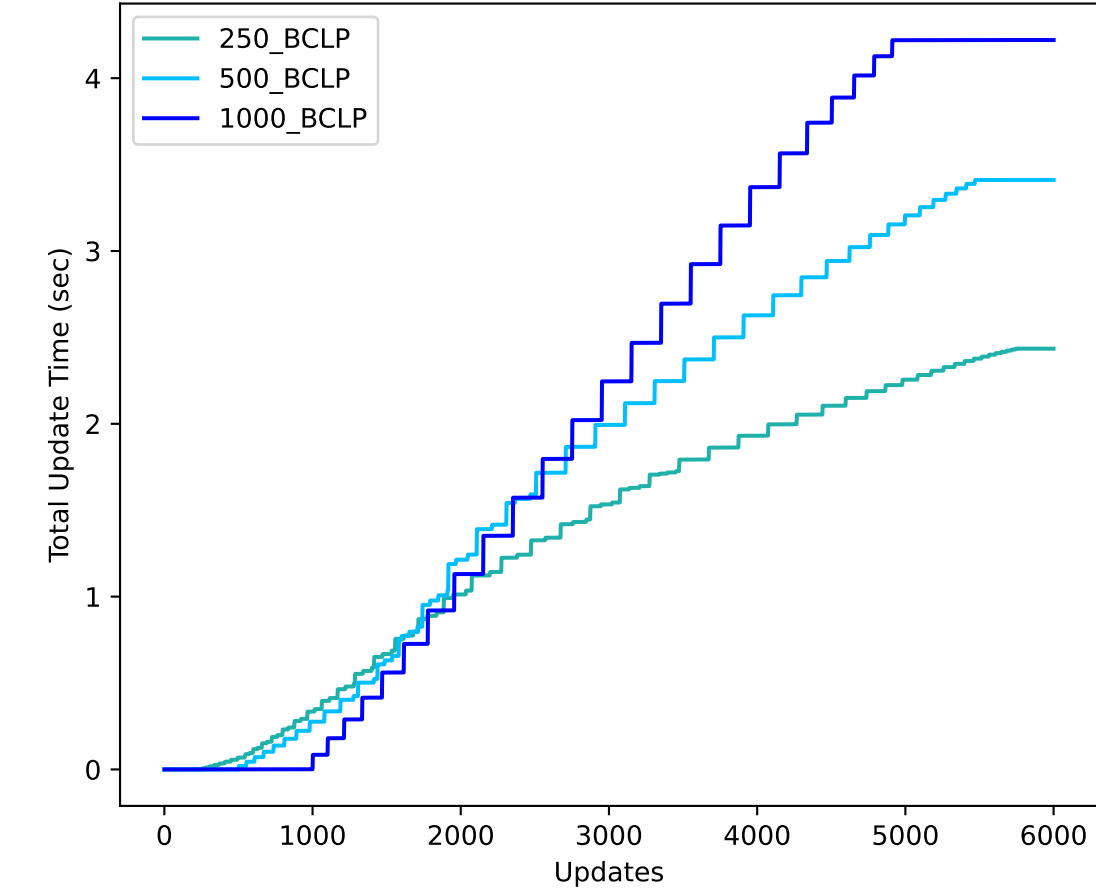
Average Query Time (song, k = 50)



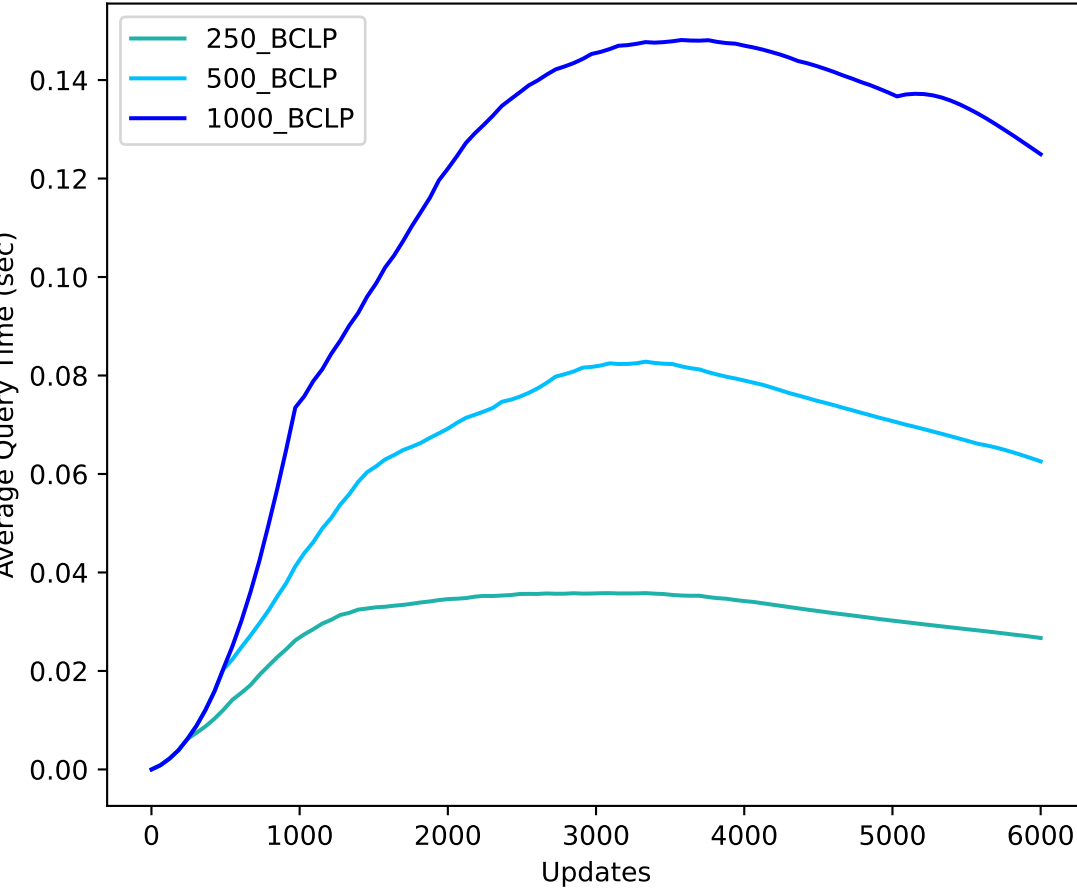
Cost of Solution (song, k = 50)



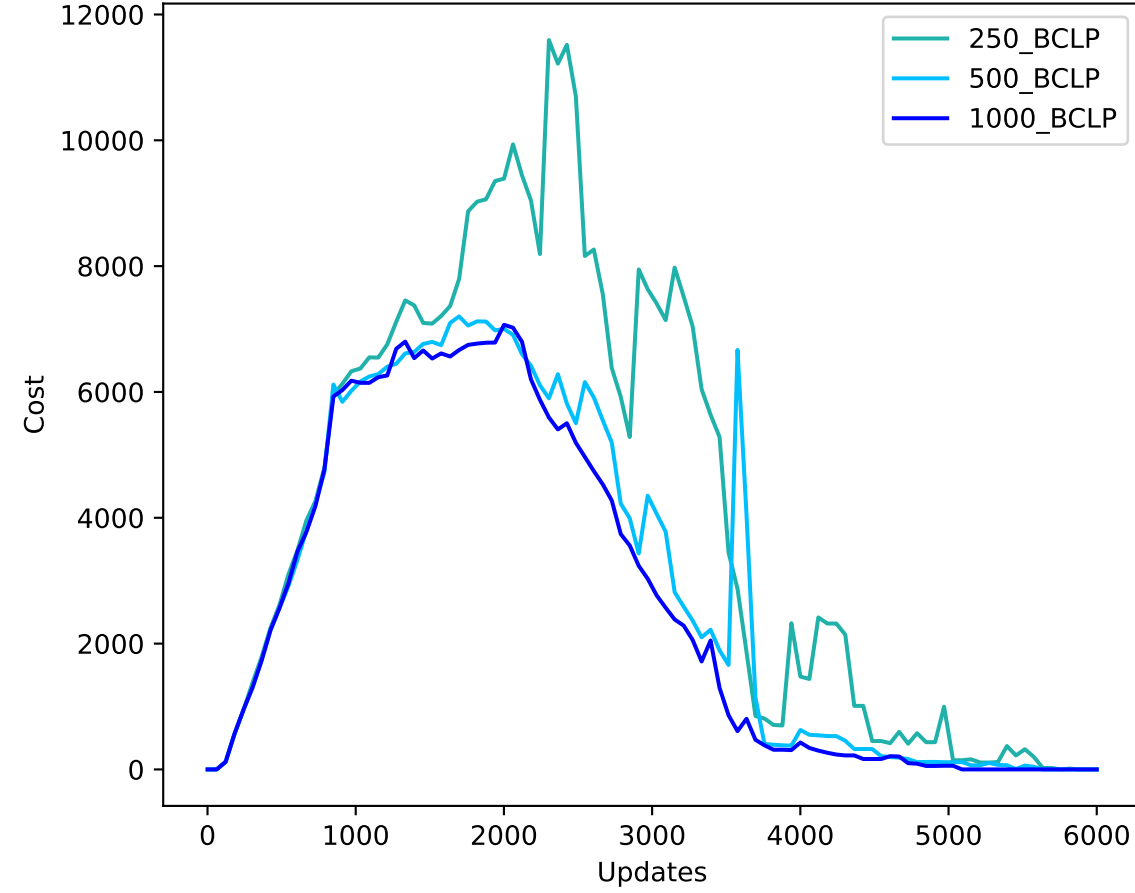
Total Update Time (kddcup, k = 50)



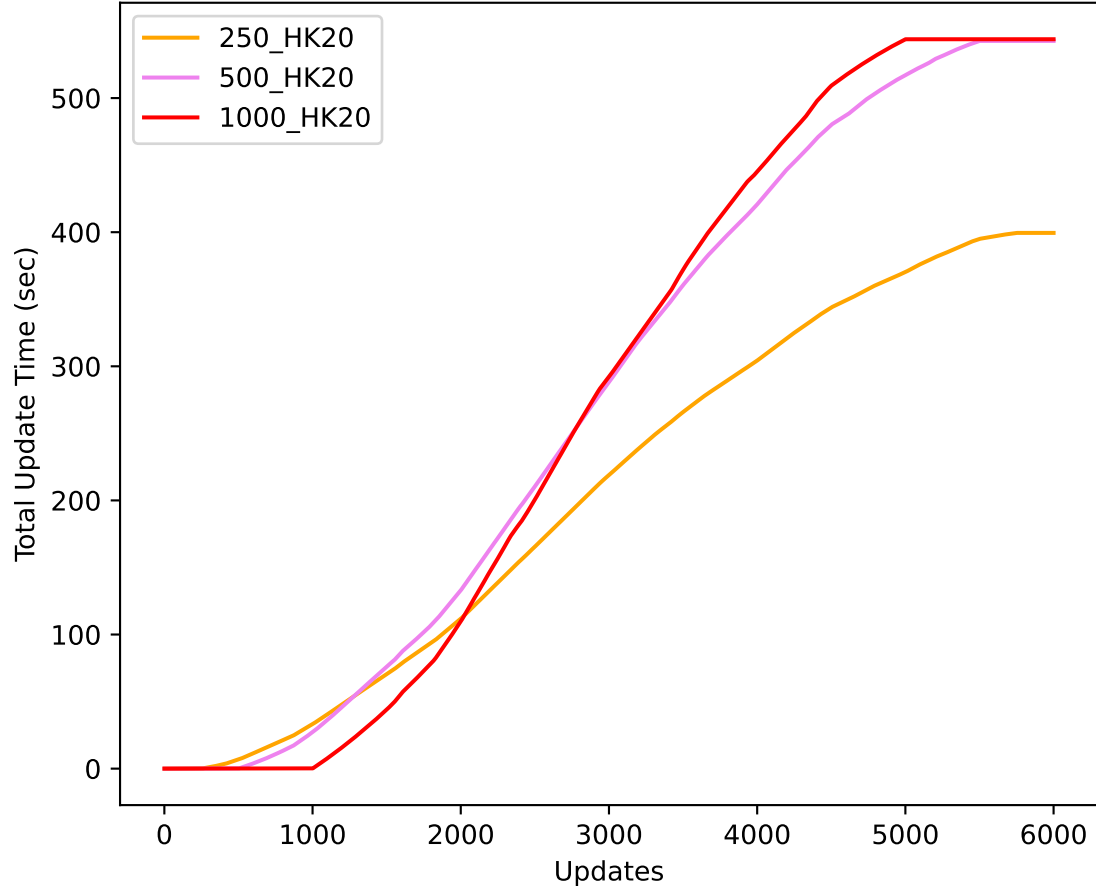
Average Query Time (kddcup, k = 50)



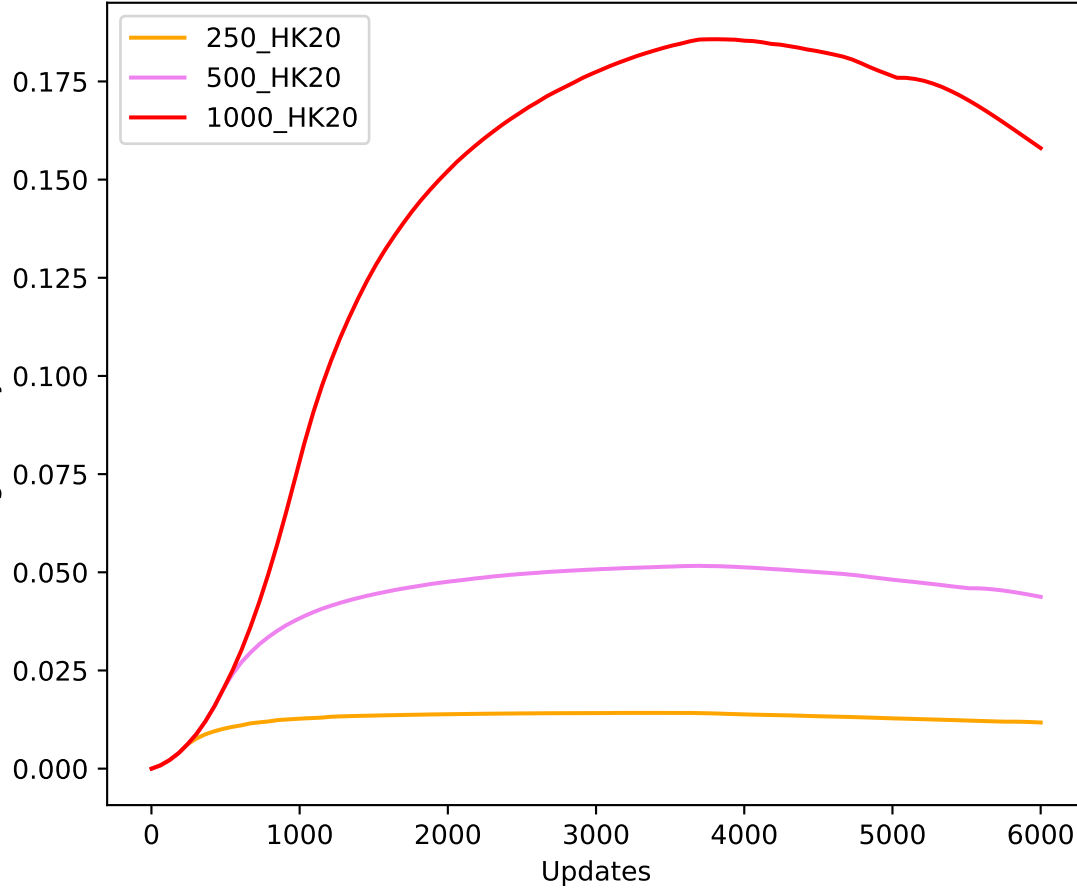
Cost of Solution (kddcup, k = 50)



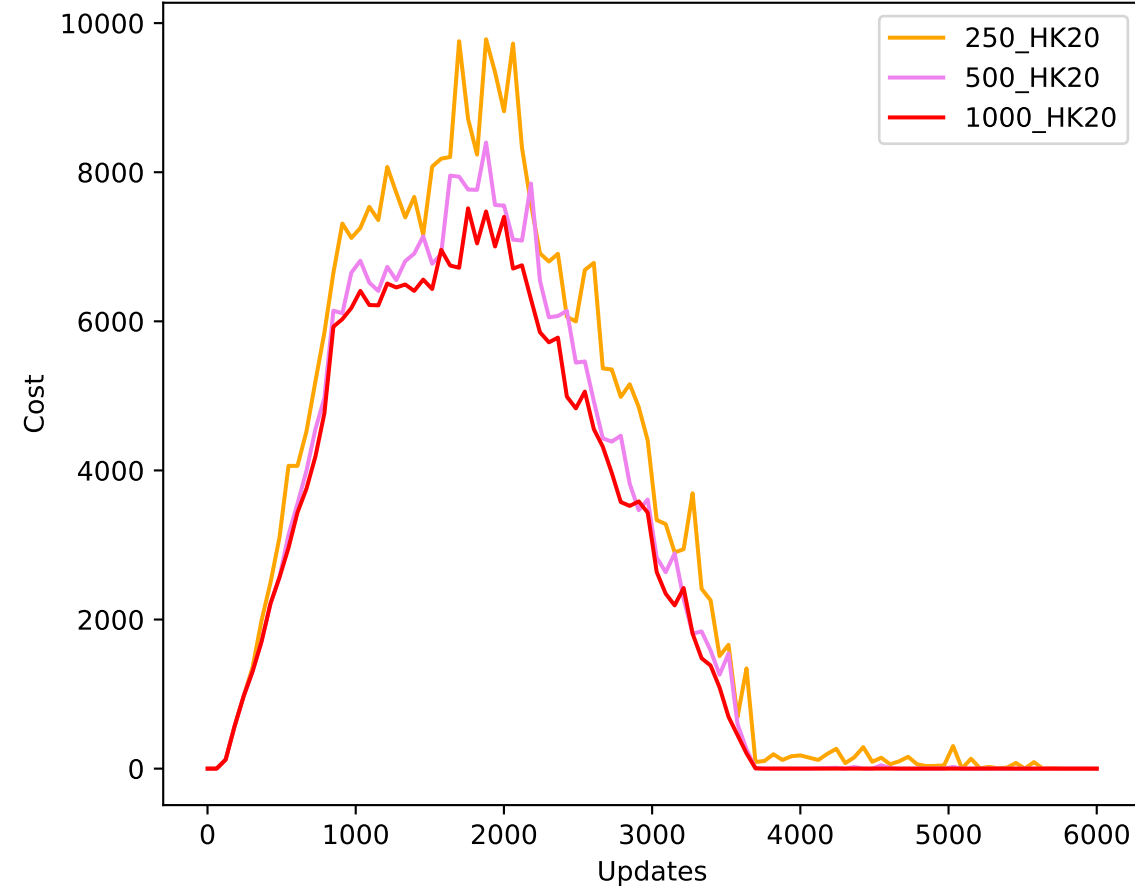
Total Update Time (kddcup, k = 50)



Average Query Time (kddcup, k = 50)



Cost of Solution (kddcup, k = 50)



Total Update Time (census, $k = 100$)

