Assignment 2 Writeup

For the append() method, there is no clear winner as StringBuilder and MyStringBuilder are so close that they overlap almost entirely on the corresponding graph.

For both delete(0,1) and insert(), MyStringBuilder has the best run-time. MyStringBuilder and the predefined StringBuilder are extremely close at the beginning of both methods, but MyStringBuilder remains pretty steady around 100 ns while StringBuilder’s run-time continues to grow.

From a run-time point of view, MyStringBuilder is the best option. In all three cases MyStringBuilder’s run-time remains around 100 ns. StringBuilder is close in run-time for append() and insert() but is clearly worse for delete(0,1) having a run-time almost 20 times slower than MyStringBuilder. String is the worst option all around as its run-time for all three methods never even gets to the 100s for run-time in a single case.