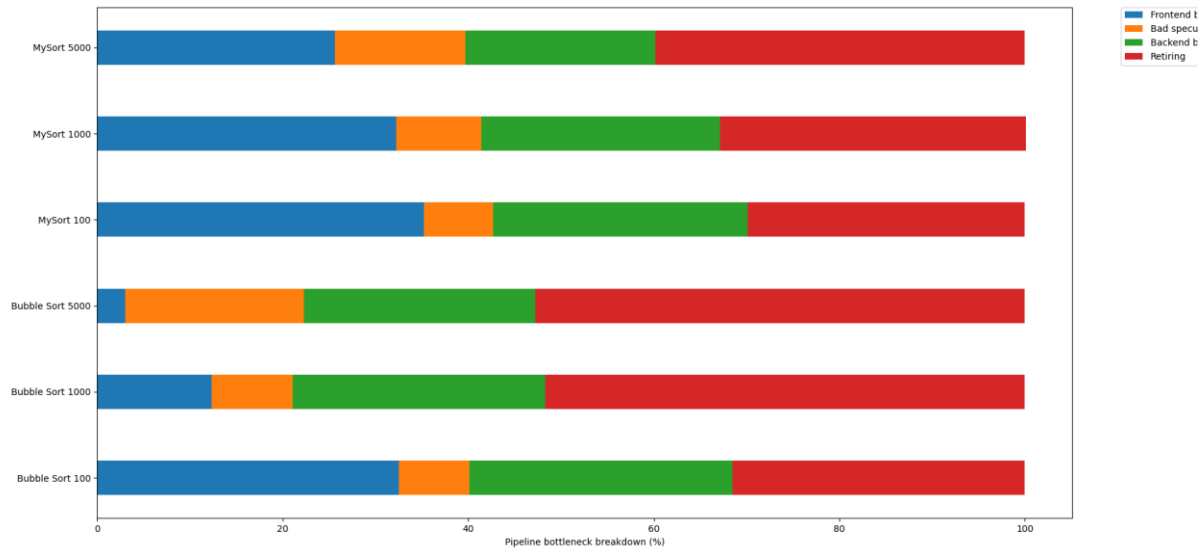# lab0: sorting algorithms and profiling

Following is the bar chart with the profiling date for bubble sort and mysort programs with the three different inputs as provided in the lab code.

The sorting algorithms were written after checking their definitions from geeksforgeeks as suggested in the lab0 directions. I implemented merge sort for mysort.

I do not fully understand the profiling data, but it is curious to me how my values are kind of opposite to the sample bar chart provided to us for reference.

The most difficult part in this lab was to draw these horizontally stacked bar graphs. The setup was straightforward but I thoroughly enjoyed it because it was so cool.