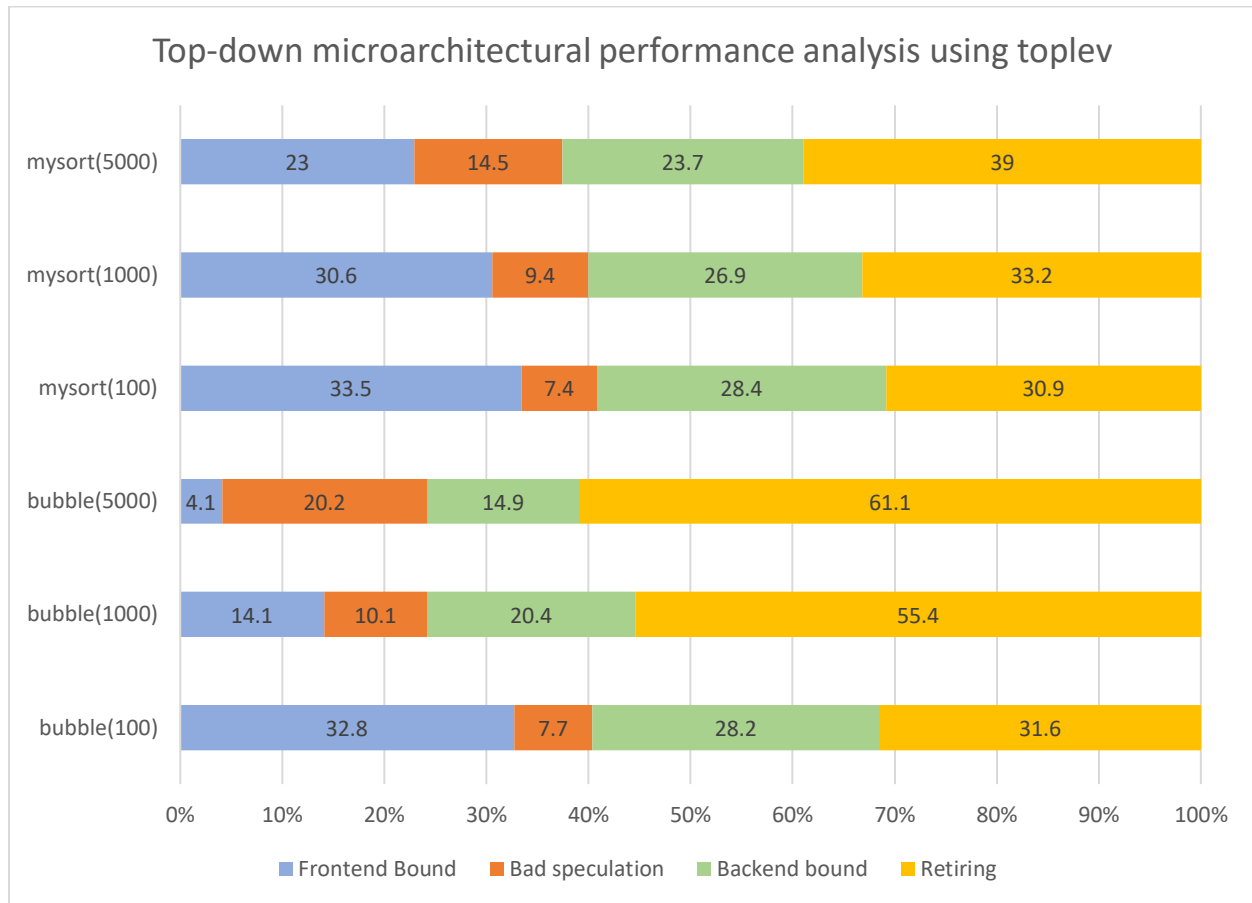


## ECE 5755 LAB 0



### mysort Implementation:

I implemented quicksort for mysort algorithm.

### Observations:

For one unique set of algorithm and input, I ran 20 times and averaged the portion percentage numbers.

Frontend bound and backend bound decreased as the input size increases, significance increase in bad speculation and retiring. This applies for both algorithms.

To compare between the 2 algorithms, retiring portion is significantly larger in bubble sort, a little more than 1.5 times. Bad speculation increased significantly in bubble sort as the input size increases, much more than in quicksort.

### Issues observed:

Mostly setting up issues, nothing worth mentioning.