Problem 7.1

c)

I couldn't get the median of three function to work so I couldn't measure the time for this method

d)

I only was able to measure the time for 10000 arrays of length 1000 in reasonable time and the average time for the lomoto version was 102.3867 microseconds. The average time for the hoare version was 99.4243 microseconds. So there is a noticeable difference between the two partitioning versions. I think the hoare version is faster overall because it does less swaps on average compared to the lomoto version.