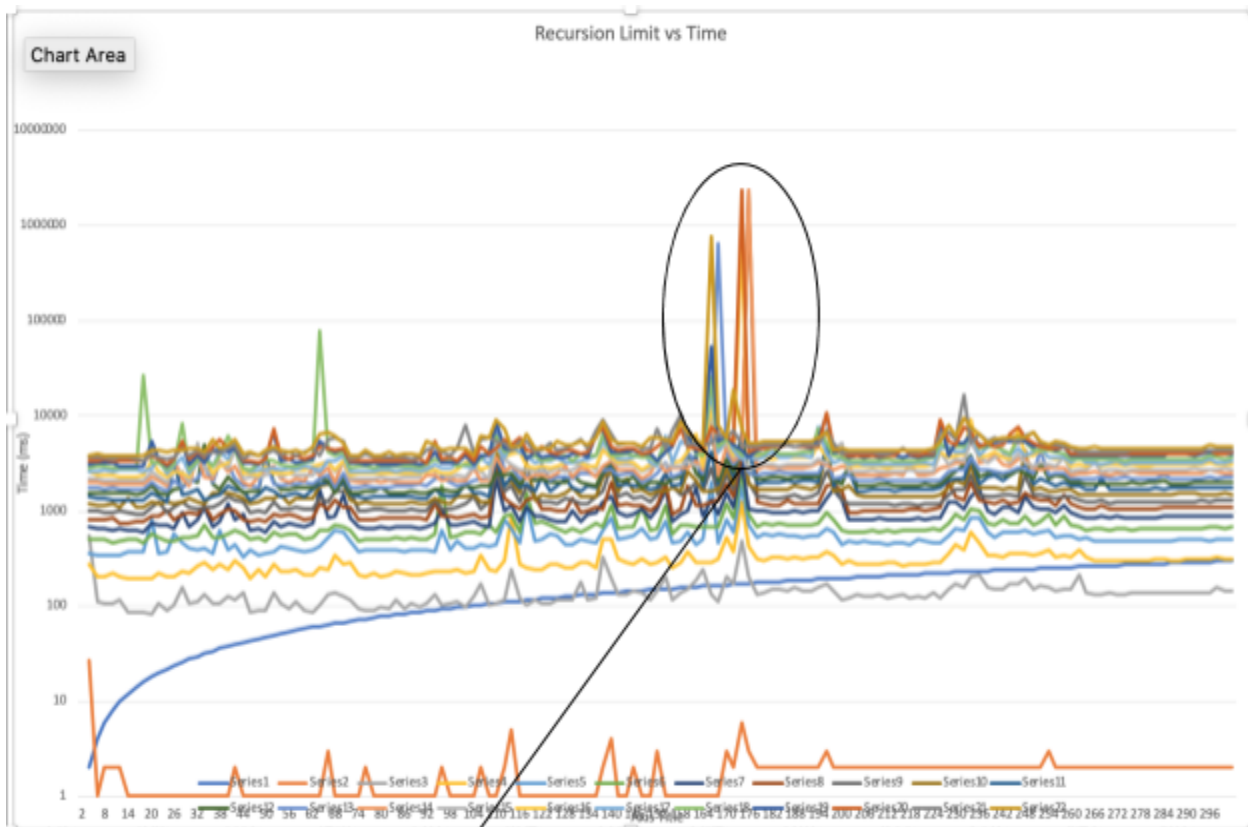


Original Graph:

Recursion Limit(x) vs Run Time(y) with 21 Different Array Sizes



Original data has massive outliers so even with logarithmic viewing, it is very hard to analyze the trends.

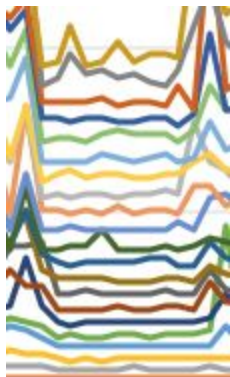
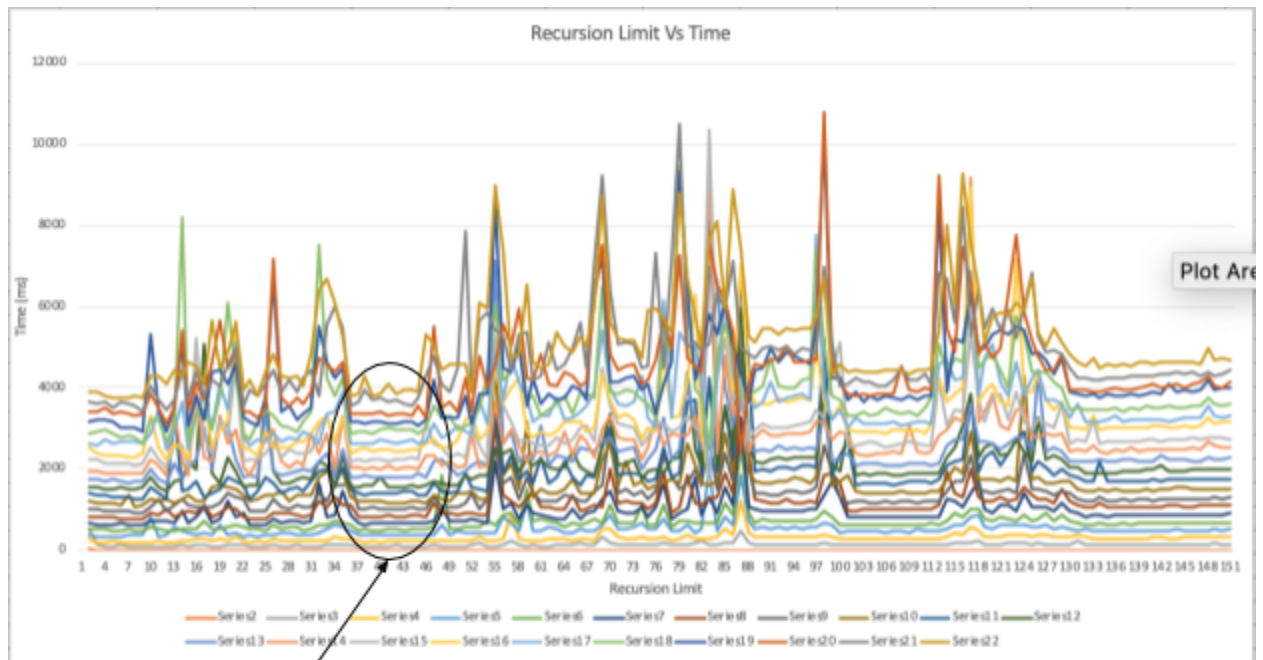
Graph with Extremities Removed
-Causes linear sections to emerge



Spikes in data due to external processes being run on computer causing noise

Smaller rates of increase indicate more optimal recursion limits

Zoomed In Photo

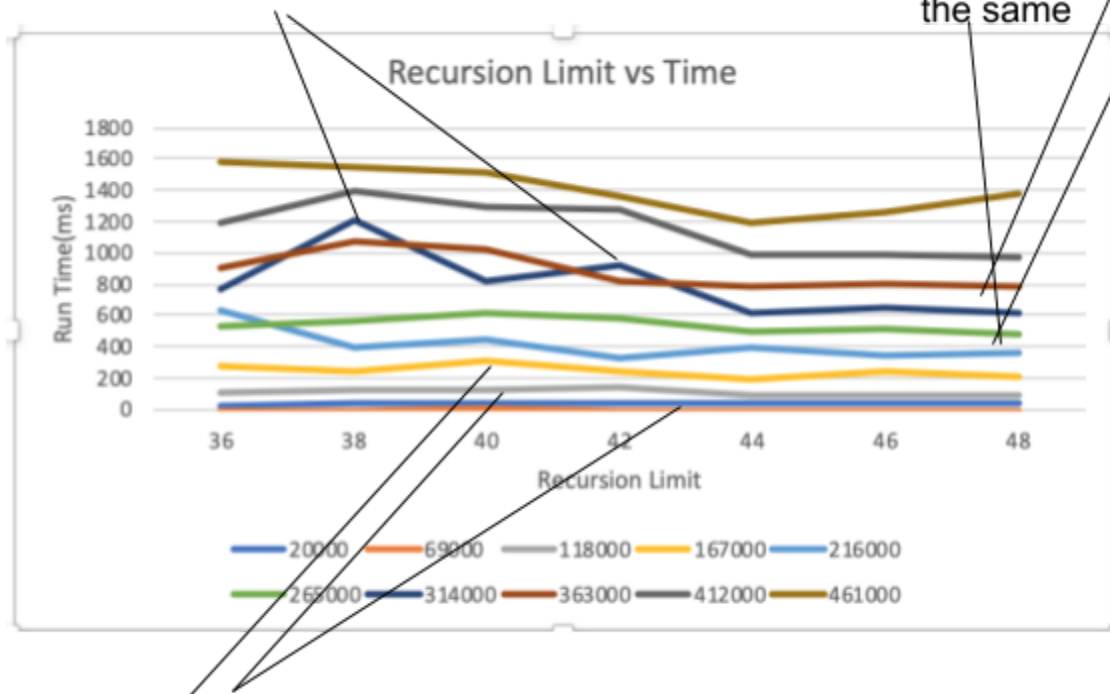


4 37 40 43 46

Optimal Recursion limit across the boards was around

Spikes due to the execution of the sorting algorithm

Where it is optimized the array gets larger but the time stays the same



Pretty Flat Lines as the rate of increase stays zero even as the recursion limit increase