



X-axis: Lengths.

Y-axis: Average Runtimes

Conclusion

In this graph you can observe that on average when the length of the list is very low, the runtime of the three searches is very similar, but as the length of the list increases, the binary search clearly shows to be the fastest one and the sequential search becomes the slowest one. However, sometimes the sequential search had a faster runtime compared to the sorted search probably because the value they were searching was closer to the beginning of the array.