

Homework 11 Part 1 Mini Results Document

Algorithm	Linear Search	Binary Search	np.searchsorted()
Time Elapsed (s)	2.0287513733E-02	7.1525573730E-06	4.243851E-05

A possible reason `np.searchsorted()` took longer than the Binary Search is that it could be written in python or an interpreted language, whereas the Binary Search was pre-compiled and using an efficient method for sorted lists. Note: No second numpy search was found that seemed to meet the homework's criteria, hence the use of only three methods here. (The way the homework is worded seems to suggest that a second numpy search was originally found.)