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CS2223 Algorithms

Question 3

### Search Algorithms v. Execution Time

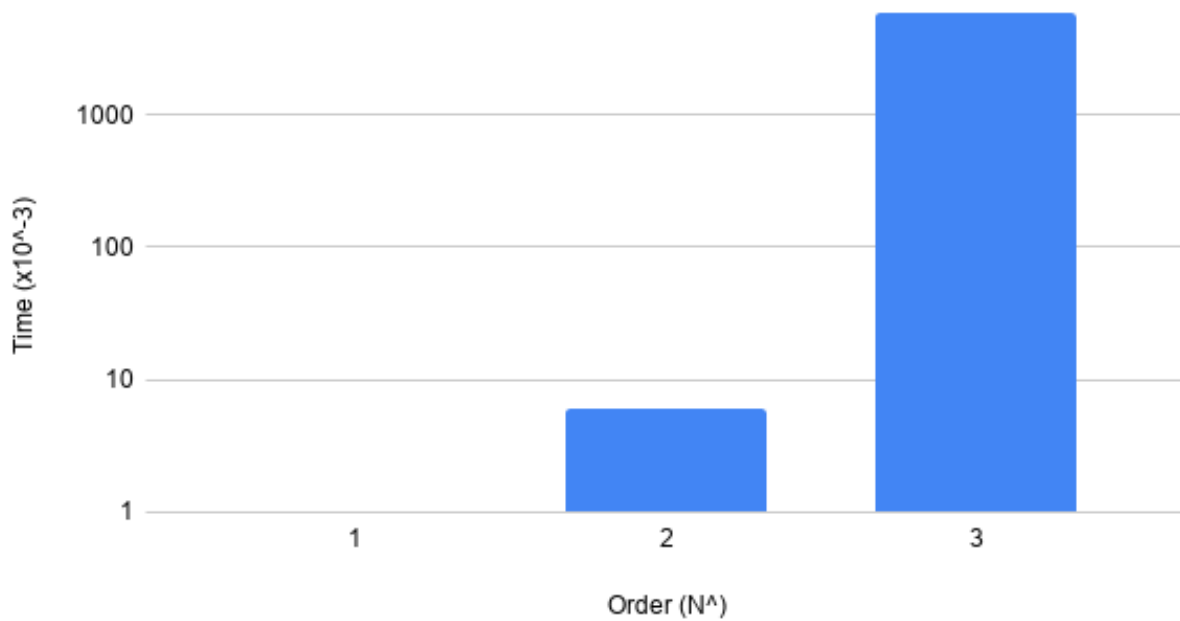


Figure 1. Above shows the execution time (in seconds) of each of the three functions given with a log scale applied to the vertical axis. The first bar (value 0.001) represents the Linear Order function and is not visible due to the log scale, the second bar (value 0.006) represents the Quadratic Order Function, and the third bar (value 5.911) represents the Cubic Order Function. The x axis' values are insignificant, and values of 1, 2, and 3 were chosen solely for appearance of the graph.