Kobina Asempa Takyi

Assignment Two

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| --- | --- | --- |
|  | Interpolation Search | Binary Search |
| 50 | 0.006987 | 0.005986 |
| 1000 | 0.02493 | 0.07681 |
| 5000 | 0.10313 | 0.140624 |

From the table above, it can be seen that generally, the time used by the computer to process the list by interpolation search is smaller than the time used during the binary search. At each point when the number of elements in the list was the same, the interpolation search was faster at searching the target number as compared to using the binary search.