Comparison of Sorting Algorithms

10 Items

|  |  |
| --- | --- |
| Name | Time (in seconds) |
| Standard | 0 |
| Selection | 0 |
| Insertion | 0 |
| Exchange | 0 |
| Heap | 0 |
| Quick | 0 |

100 Items

|  |  |
| --- | --- |
| Name | Time (in seconds) |
| Standard | 0 |
| Selection | 0 |
| Insertion | 0 |
| Exchange | 0 |
| Heap | 0 |
| Quick | 0 |

1000 Items

|  |  |
| --- | --- |
| Name | Time (in seconds) |
| Standard | 0 |
| Selection | 0.002 |
| Insertion | 0.002 |
| Exchange | 0.004 |
| Heap | 0 |
| Quick | 0 |

10,000 Items

|  |  |
| --- | --- |
| Name | Time (in seconds) |
| Standard | 0.002 |
| Selection | 0.164 |
| Insertion | 0.209 |
| Exchange | 0.464 |
| Heap | 0.002 |
| Quick | 0.002 |

100,000 Items

|  |  |
| --- | --- |
| Name | Time (in seconds) |
| Standard | 0.022 |
| Selection | 16.098 |
| Insertion | 20.633 |
| Exchange | 45.229 |
| Heap | 0.03 |
| Quick | 0.016 |