**Search Algorithms**

|  |  |  |
| --- | --- | --- |
| N | binary Search (MS) | linear Search (MS) |
| 1000 | 0 | 3 |
| 2000 | 0 | 0 |
| 4000 | 0 | 2 |
| 8000 | 0 | 17 |
| 16000 | 0 | 67 |
| 32000 | 0 | 271 |
| 64000 | 1 | 926 |

**Insert Types**

|  |  |  |
| --- | --- | --- |
| N | Insert (MS) | insert Ordered (MS) |
| 1000 | 0 | 1 |
| 2000 | 0 | 7 |
| 4000 | 0 | 2 |
| 8000 | 0 | 8 |
| 16000 | 0 | 35 |
| 32000 | 0 | 144 |
| 64000 | 1 | 628 |