**Comparing the running time of Brute Force Algorithm and Max Sub Array by Recursive Method**

|  |  |  |
| --- | --- | --- |
| N | Brute Force Algorithm | Max Sub Array by Recursive Method |
| 1000 | 0.002281 | 0.0008447000 |
| 5000 | 0.059275 | 0.0035168000 |
| 10000 | 0.235475 | 0.0087852000 |
| 20000 | 0.921870 | 0.0140814000 |
| 30000 | 2.269804 | 0.0348374000 |
| 40000 | 3.651592 | 0.0287709000 |
| 50000 | 6.524782 | 0.0395086000 |
| 60000 | 9.919282 | 0.0682676000 |
| 100000 | 25.283881 | 0.0712840000 |
| 500000 | 634.207334 | 0.4041581000 |
| 1000000 | 1180.231233 | 0.8141411000 |

**Comparing the running time of Brute Force Algorithm, Max Sub Array by Recursive Method and Hybrid Algorithm**

|  |  |  |  |
| --- | --- | --- | --- |
| **N** | **Brute Force Algorithm** | **Max Sub Array by Recursive Method** | **Hybrid Algorithm** |
| 1000 | 0.002281 | 0.0008447000 | 0.0001620000 |
| 5000 | 0.059275 | 0.0035168000 | 0.0006632000 |
| 10000 | 0.235475 | 0.0087852000 | 0.0014857000 |
| 20000 | 0.921870 | 0.0140814000 | 0.0032736000 |
| 30000 | 2.269804 | 0.0348374000 | 0.0106759000 |
| 40000 | 3.651592 | 0.0287709000 | 0.0169123000 |
| 50000 | 6.524782 | 0.0395086000 | 0.02860640000 |
| 60000 | 9.919282 | 0.0682676000 | 0.01507160000 |
| 100000 | 25.283881 | 0.0712840000 | 0.01621170000 |
| 500000 | 634.207334 | 0.4041581000 | 0.09019340000 |
| 1000000 | 1180.231233 | 0.8141411000 | 0.50456780000 |