|  |  |
| --- | --- |
| Input Size | Time taken (in microseconds) |
| 1000 | 495 |
| 2000 | 1036 |
| 3000 | 1663 |
| 4000 | 2309 |
| 5000 | 2771 |
| 6000 | 3370 |
| 7000 | 3956 |
| 8000 | 4619 |
| 9000 | 5176 |
| 10000 | 5781 |