|  |  |
| --- | --- |
| Input Size | Time taken (in microseconds) |
| 1000 | 480 |
| 2000 | 979 |
| 3000 | 1508 |
| 4000 | 2058 |
| 5000 | 2573 |
| 6000 | 3148 |
| 7000 | 3728 |
| 8000 | 4296 |
| 9000 | 4971 |
| 10000 | 5469 |