|  |  |
| --- | --- |
| Input Size | Time taken (in microseconds) |
| 1000 | 484 |
| 2000 | 1037 |
| 3000 | 1595 |
| 4000 | 2095 |
| 5000 | 2653 |
| 6000 | 3220 |
| 7000 | 3809 |
| 8000 | 4431 |
| 9000 | 4973 |
| 10000 | 5561 |