|  |  |
| --- | --- |
| Input Size | Time taken (in microseconds) |
| 1000 | 85 |
| 2000 | 181 |
| 3000 | 268 |
| 4000 | 363 |
| 5000 | 473 |
| 6000 | 577 |
| 7000 | 670 |
| 8000 | 784 |
| 9000 | 872 |
| 10000 | 985 |