|  |  |
| --- | --- |
| Input Size | Time taken (in microseconds) |
| 1000 | 482 |
| 2000 | 975 |
| 3000 | 1517 |
| 4000 | 2131 |
| 5000 | 2612 |
| 6000 | 3138 |
| 7000 | 3719 |
| 8000 | 4245 |
| 9000 | 4820 |
| 10000 | 5392 |