|  |  |
| --- | --- |
| 8 | 0.00100016593933 |
| 32 | 0.00399994850159 |
| 128 | 0.0160000324249 |
| 512 | 0.0629999637604 |
| 1024 | 0.127999782562 |
| 4096 | 0.487999916077 |
| 8192 | 0.910999774933 |
|  |  |

QU graph

|  |  |
| --- | --- |
| Data size | quick find |
| 8 | 0.006382942199707031 |
| 32 | 0.022845983505249023 |
| 128 | 0.09750771522521973 |
| 512 | 0.38894081115722656 |
| 1024 | 0.7862179279327393 |
| 4096 | 3.0353012084960938 |
| 8192 | 5.3907599449157715 |

QF graph

|  |  |
| --- | --- |
| 8 | 0.00399994850159 |
| 32 | 0.0140001773834 |
| 128 | 0.0520000457764 |
| 512 | 0.1945688000077 |
| 1024 | 0.8000943333342 |
| 4096 | 4.5885447000006 |
| 8192 | 7.800000228799 |

QU weighted graph

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Q1 solution   |  |  |  | | --- | --- | --- | | Data Size | N3 | N2logN | | 8 | 56 | 0.0 | | 32 | 4960 | 0.0 | | 128 | 341376 | 0.0360000133514 | | 512 | 22238720 | 0.3109998703 | | 1024 | 178433024 | 1.38300013542 | | 4096 | 11444858880 | 26.4830000401 | | 4192 | 12268800000 | 28.0069999695 | | 8192 | 91592417280 | 114.809999943 | |  |