|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| N = 10000 | Vector | Single-link | Chunklist | Heap |
| Memory Used N | 40 KB | 80 KB | 94 KB | 40 KB |
| Memory Used 2N | 81 KB | 160 KB | 187 KB | 81 KB |
| Memory Used 5N | 327 KB | 400 KB | 463 KB | 327 KB |
| **Memory Used Big-O** |  |  |  |  |
| Enqueue N | 0 | 30 | 10 | 0 |
| Enqueue 2N | 0 | 80 | 31 | 0 |
| Enqueue 5N | 0 | 220 | 70 | 0 |
| **Enqueue Big-O** |  |  |  |  |
| DequeueMax N | 250 | 0 | 0 | 0 |
| DequeueMax 2N | 491 | 0 | 0 | 10 |
| DequeueMax 5N | 1151 | 0 | 0 | 0 |
| **DequeueMax Big-O** |  |  |  |  |
| PQSort Random N | 1122 | 260 | 90 | 31 |
| PQSort Random 2N | 4516 | 1242 | 440 | 40 |
| PQSort Random 5N | 28591 | 9694 | 3485 | 100 |
| **PQSort Random Big-O** |  |  |  |  |
| PQSort Sorted N | 1923 | 0 | 80 | 30 |
| PQSort Sorted 2N | 7631 | 40 | 441 | 60 |
| PQSort Sorted 5N | 46848 | 30 | 901 | 141 |
| **PQSort Sorted Big-O** |  |  |  |  |
| PQSort Reverse N | 1191 | 200 | 80 | 30 |
| PQSort Reverse 2N | 4847 | 701 | 350 | 30 |
| PQSort Reverse 5N | 30413 | 4377 | 1813 | 100 |
| **PQSort Reverse Big-O** |  |  |  |  |