|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Function** | Array | Vector | Singly-Linked List | Doubly-Linked List | Stacks | Queues |
| Size() | O(1) | O(1) | O(1) | O(1) | O(n) | O(n) |
| Find() | O(1) | O(n) | O(n) | O(n) | O(n) | O(n) |
| Begin() | O(1) | O(1) | O(1) | O(1) | O(1) | O(1) |
| End() | O(1) | O(1) | O(n) | O(n) | O(n) | O(n) |
| cBegin() | O(n) | O(n) | O(n) | O(n) | O(n) | O(n) |
| Cend() | O(n) | O(n) | O(n) | O(n) | O(n) | O(n) |
| Sort() | O(n) | O(n) | O(n) | O(n) | O(n) | O(n) |
| Reverse() | O(n) | O(n) | O(n) | O(n) | O(n) | O(n) |
| Insert() | O(n) | O(n) | O(n) | O(n) | O(n) | O(n) |
| Add() | O(n) | O(n) | O(n) | O(n) | O(n) | O(n) |
| Remove() | O(1) | O(1) | O(1) | O(1) | O(1) | O(1) |
| Distance() | O(n) | O(n) | O(n) | O(n) | O(n) | O(n) |
| Swap() |  |  | O(n) | O(n) | O(n) | O(n) |
| Push() |  | O(n) | O(n) | O(n) | O(n) | O(n) |
| Pop() |  | O(n) | O(n) | O(n) | O(n) | O(n) |
| Push\_back() |  | O(n) | O(n) | O(n) | O(n) | O(n) |
| Pop\_back() |  | O(n) | O(n) | O(n) | O(n) | O(n) |