

1. Deque is the Superset of Stack & Queue: [Double Ended Queue]

`push_back()`, `push_front()`, `pop_back()`, `pop_front()`. $O(1)$

`push_back()` + `pop_back()` = Stack

`push_back()` + `pop_front()` = Queue

2. Deque using Linked List: Theory, SLL not possible for lack of backtracking.

3. Deque using Linked List: Implementation Using DLL `pushback`, `pushfront`, `popback`, `popfront`.

4. Reverse a Deque: $O(1)$, `push == pop`, `front == back`,
[4, 1, 2, 3] == [3, 2, 1, 4]

5. STL Deque