**Queue 1**

2 5 1 6 4 8 3

next = remove() - 5 1 6 4 8 3

next = remove() – 1 6 4 8 3

next = remove() – 6 4 8 3

add(9) – 6 4 8 3 9

add(7) - 6 4 8 3 9 7

next = remove() – 4 8 3 9 7

next = remove() – 8 3 9 7

next = remove() - 3 9 7

add(11) – 3 9 7 11

add(13) – 3 9 7 11 13

next = remove() – 9 7 11 13

next = remove() – 7 11 13

next = remove() – 11 13

**Stack 1**

7 2 5 9 3

P u s h ( 6 ) - 7 2 5 9 3 6

n e x t = p o p ( ) - 7 2 5 9 3

p u s h ( 8 ) – 7 2 5 9 3 8

p u s h ( 4 ) – 7 2 5 9 3 8 4

n e x t = p o p ( ) – 7 2 5 9 3 8

n e x t = p o p ( ) - 7 2 5 9 3

n e x t = p o p ( ) - 7 2 5 9

n e x t = p o p ( ) - 7 2 5

n e x t = p o p ( ) - 7 2

n e x t = p o p ( ) - 7

n e x t = p o p ( ) -

p u s h ( 9 ) - 9

p u s h ( 2 ) – 9 2

p u s h ( 3 ) – 9 2 3

p u s h ( 5 ) - 9 2 3 5

n e x t = p o p ( ) – 9 2 3

n e x t = p o p ( ) – 9 2

**Deque 1**

4 7 2 4 6 2

push\_back(9) - 4 7 2 4 6 2 9

next = pop\_back() - 4 7 2 4 6 2

next = pop\_front() - 7 2 4 6 2

push\_front(8) – 8 7 2 4 6 2

push\_front(2) – 2 8 7 2 4 6 2

push\_back(4) - 2 8 7 2 4 6 2 4

next = pop\_back() - 2 8 7 2 4 6 2

next = pop\_back() - 2 8 7 2 4 6

next = pop\_back() - 2 8 7 2 4

next = pop\_front() – 8 7 2 4

next = pop\_back() – 8 7 2