

run:

IS\_EMPTY  
true

ADD\_TO\_BACK 1  
Deque: [1]

IS\_EMPTY  
false

ADD\_TO\_BACK 2  
Deque: [1, 2]

ADD\_TO\_BACK 3  
Deque: [1, 2, 3]

GET\_BACK  
Back item: 3

GET\_FRONT  
Front item: 1

ADD\_TO\_FRONT 4  
Deque: [4, 1, 2, 3]

ADD\_TO\_FRONT 5  
Deque: [5, 4, 1, 2, 3]

ADD\_TO\_FRONT 6  
Deque: [6, 5, 4, 1, 2, 3]

ADD\_TO\_BACK 7  
Deque: [6, 5, 4, 1, 2, 3, 7]

GET\_BACK  
Back item: 7

GET\_FRONT  
Front item: 6

REMOVE\_FRONT  
Deque: [5, 4, 1, 2, 3, 7]

REMOVE\_BACK  
Deque: [5, 4, 1, 2, 3]

GET\_FRONT  
Front item: 5

GET\_BACK

Back item: 3

ADD\_TO\_BACK 8

Deque: [5, 4, 1, 2, 3, 8]

ADD\_TO\_BACK 9

Deque: [5, 4, 1, 2, 3, 8, 9]

ADD\_TO\_FRONT 10

Deque: [10, 5, 4, 1, 2, 3, 8, 9]

ADD\_TO\_BACK 11

Deque: [10, 5, 4, 1, 2, 3, 8, 9, 11]

ADD\_TO\_BACK 12

Deque: [10, 5, 4, 1, 2, 3, 8, 9, 11, 12]

ADD\_TO\_BACK 0

Deque: [10, 5, 4, 1, 2, 3, 8, 9, 11, 12, 0]

REMOVE\_BACK

Deque: [10, 5, 4, 1, 2, 3, 8, 9, 11, 12]

REMOVE\_BACK

Deque: [10, 5, 4, 1, 2, 3, 8, 9, 11]

ADD\_TO\_BACK 0

Deque: [10, 5, 4, 1, 2, 3, 8, 9, 11, 0]

REMOVE\_FRONT

Deque: [5, 4, 1, 2, 3, 8, 9, 11, 0]

REMOVE\_FRONT

Deque: [4, 1, 2, 3, 8, 9, 11, 0]

REMOVE\_FRONT

Deque: [1, 2, 3, 8, 9, 11, 0]

REMOVE\_FRONT

Deque: [2, 3, 8, 9, 11, 0]

REMOVE\_FRONT

Deque: [3, 8, 9, 11, 0]

REMOVE\_FRONT

Deque: [8, 9, 11, 0]

REMOVE\_FRONT

Deque: [9, 11, 0]

REMOVE\_FRONT  
Deque: [11, 0]

REMOVE\_FRONT  
Deque: [0]

REMOVE\_FRONT  
Deque: []

REMOVE\_FRONT  
Cannot remove, deque is empty!  
BUILD SUCCESSFUL (total time: 0 seconds)