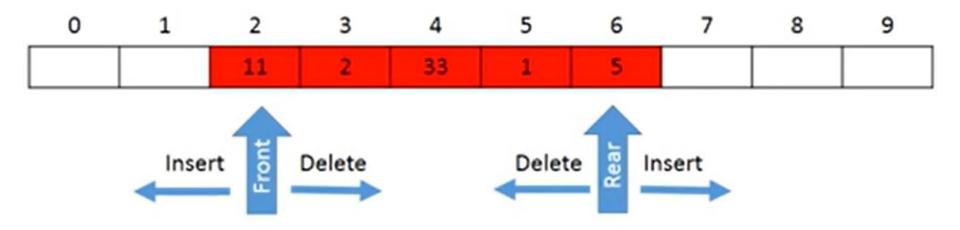
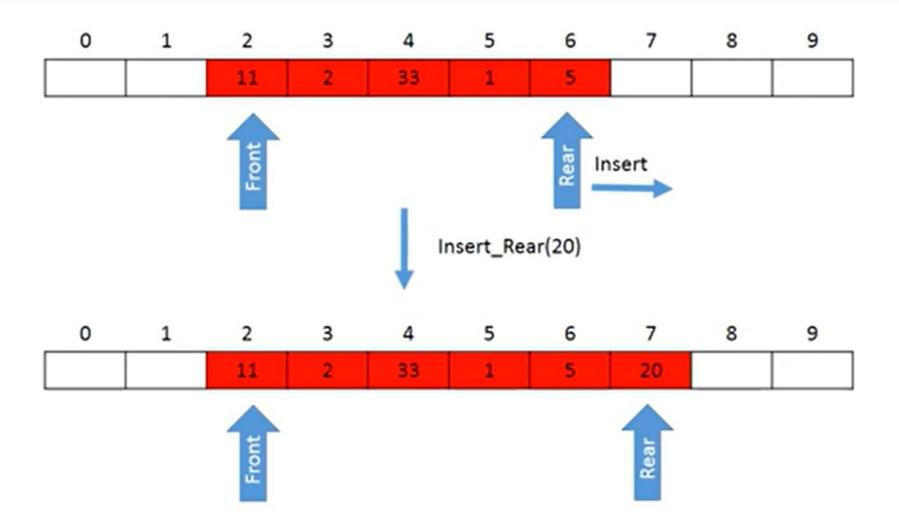
# DOUBLE ENDED QUEUE WORKING

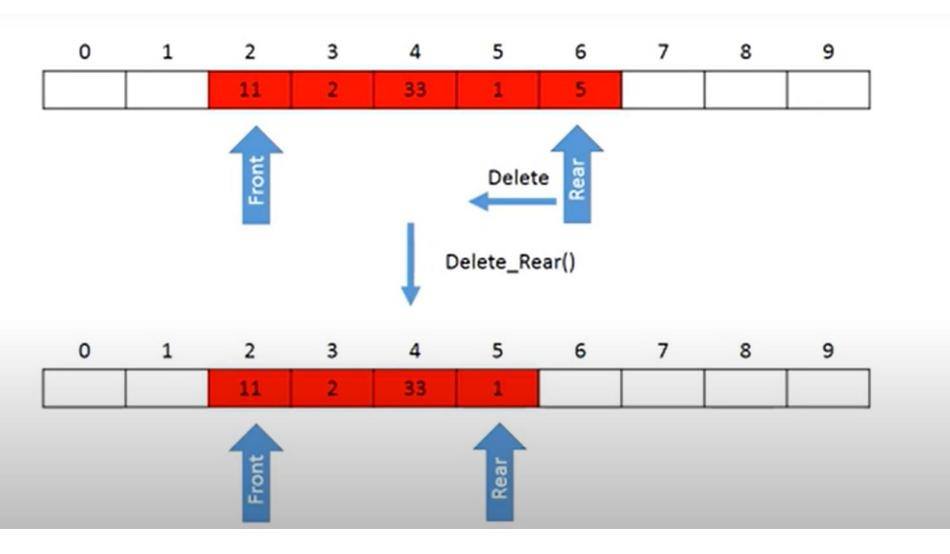
### **Functions of Double Ended Queue**

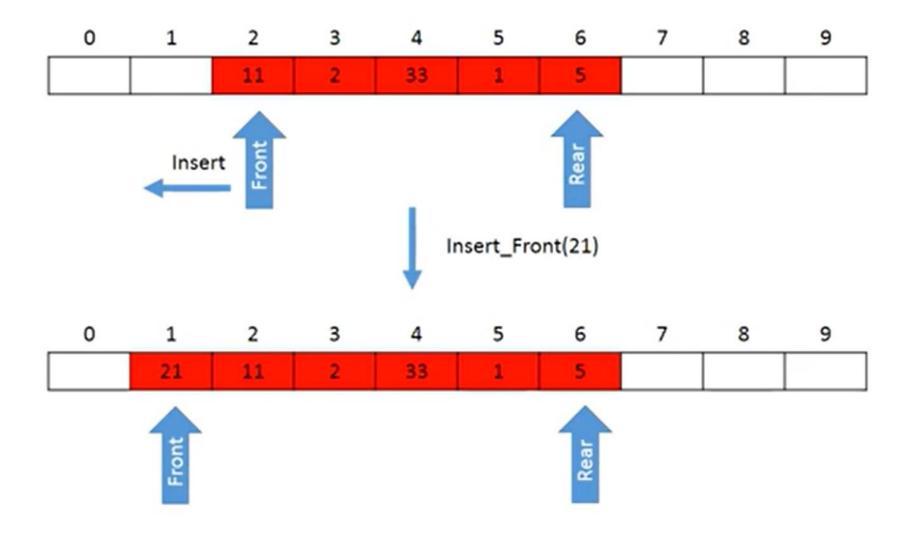


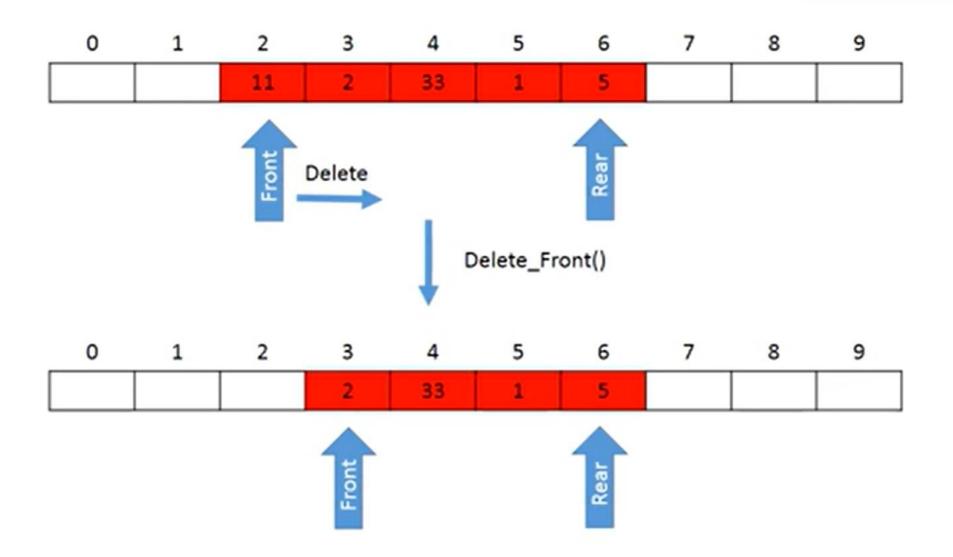
#### Four functions possible:

- Insertion at front
- Deletion at front
- Insertion at Rear
- Deletion at Rear

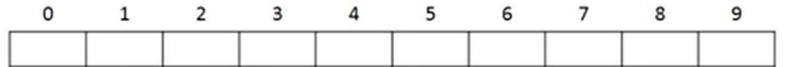




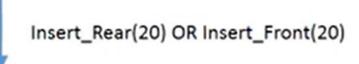




# Special cases Initial Double Ended Queue : Empty situation FIRST INSERTION



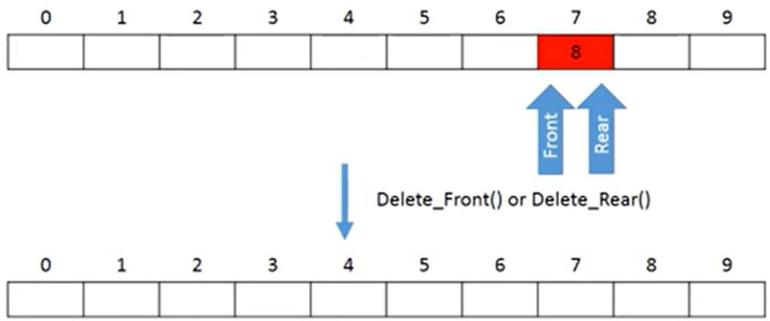




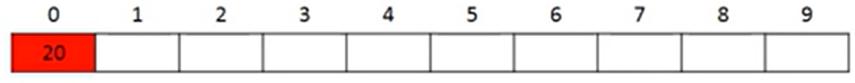
0	1	2	3	4	5	6	7	8	9
20									



# Special cases Double Ended Queue : Only one element left LAST DELETION



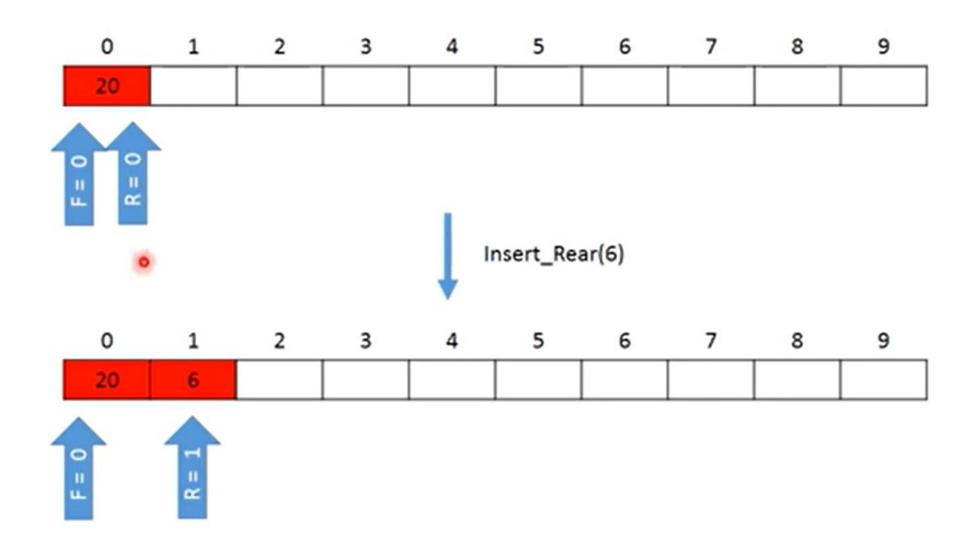


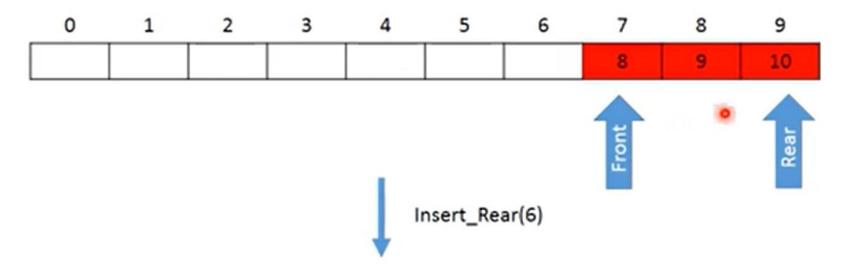






Can't insert at front if we are using simple queue and not circular queue.





Can't insert at Rear if we are using simple queue and not circular queue.

