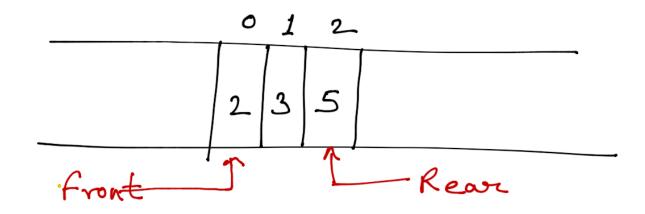
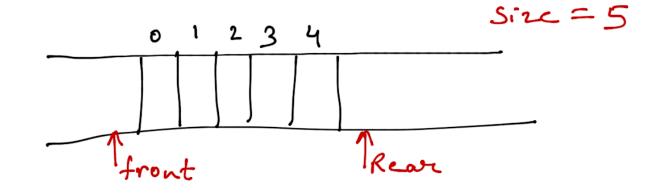
	0	ueue		
_ Li	near	data	structure	2
—	as A	DT		

Enqueue > Insertion - Rear/Tail Dequeue > Deletion - Head/front



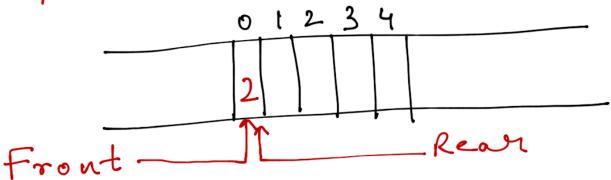
- is Full()

- is Empty()

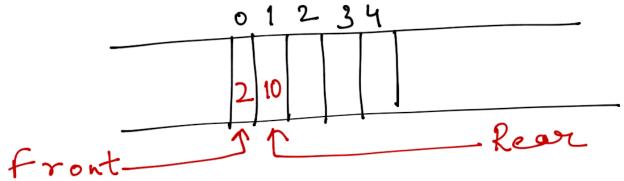


Intial front = Rear = -1 Empty (No Element)

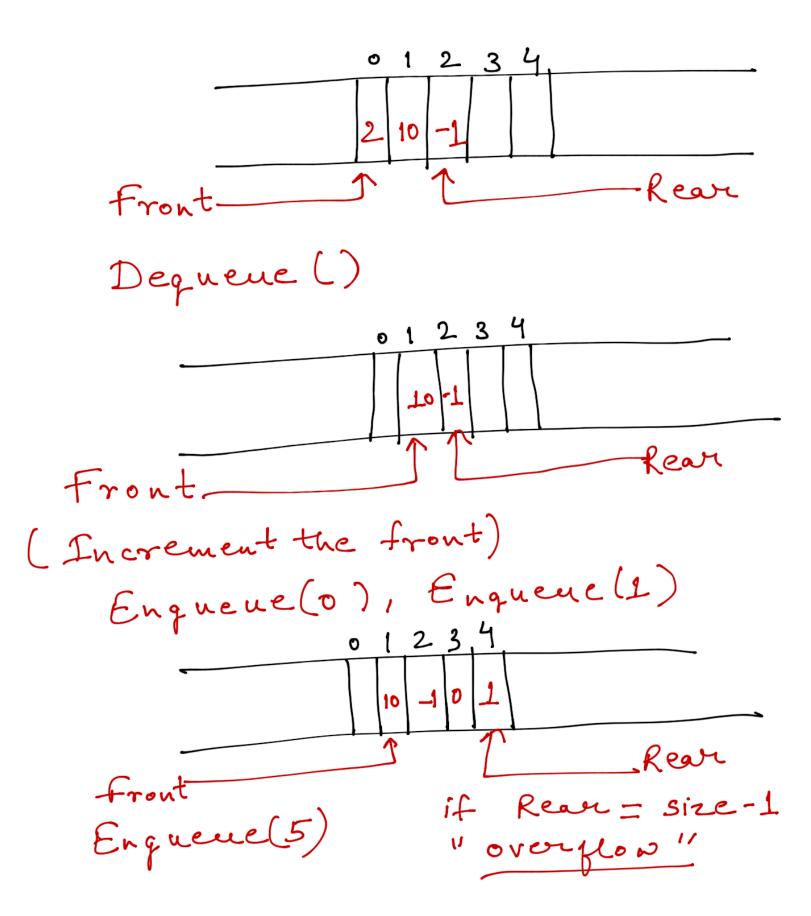
Enqueue(2)

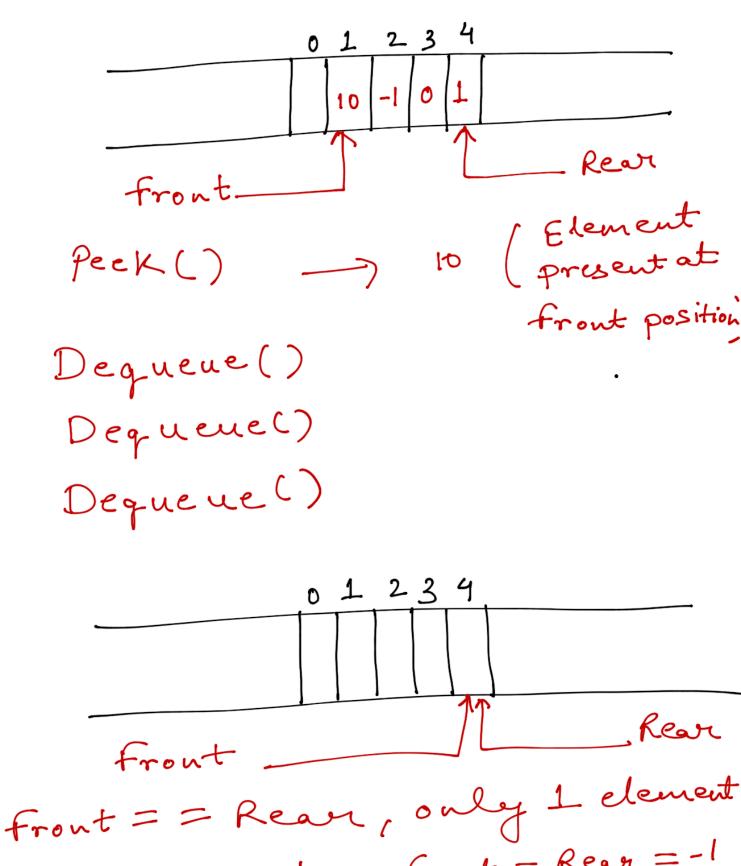


Enqueue (10)









After removing, front = Rear = -1 3R, front > Rear => Empty Enqueue (-15)

Size = 5

1234

Front

Rear

Can we enqueue here 77

Implementation Using Arrays dsig(Front = = -1 & Rear = = -1) { front = Rear = 0 queue[Rear] = Data Element o 1 2 3 4 else { Rear ++ queue [Rear] = Data Elemt

```
Degueue ()
  *{Front = = -1 Dl Rear = = -1)
{ "Underflow" }
elseif(Front = = Rear)

{ Front = Rear = -1}

else
{ Front + +
```

Display ()

if (front = =-1 bit Rear = = -1)

{ Empty }
else
{ for (i = front; i < Rear+1; i++)}

{ PRINT queue[i]
}

1 2 3 [25 -1] front Rear queue [4]