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```
IsEmpty ()
```

```
{  
    if (front == -1 & rear == -1)  
        return True  
    else  
        return False  
}
```

```
int A[SIZE]
```

```
front ← -1
```

```
rear ← -1
```

```
Enqueue (x)
```

```
{  
    if (IsFull ())  
        printf ("Queue is Full")  
    else if (IsEmpty ())  
    {  
        front ← rear ← 0  
    }  
    else  
    {  
        rear ← (rear + 1) % N  
    }  
    A[rear] ← x  
}
```

Dequeue ()

```
{  
    if (IsEmpty ())  
        printf ("Queue is Empty")  
    else if (front == rear)  
    {  
        front <- rear <- -1  
    }  
    else  
    {  
        front <- (front + 1) % N  
    }  
}
```

IsFull ()

```
{  
    if ((rear + 1) % N == front)  
        return True  
    else  
        return False  
}
```