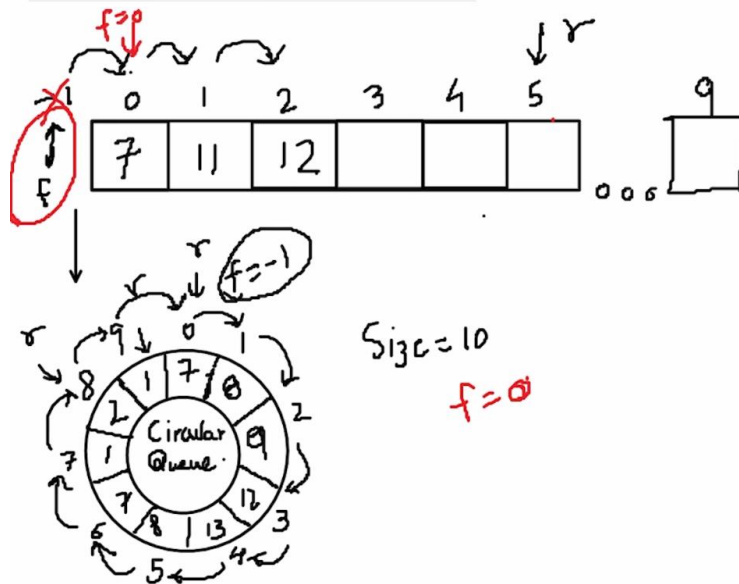


Why front and rear should not start with -1

Coding Circular Queue



Size = 10

f = 0

```
int dequeue(struct queue)
{
    int val = -1;
    if (q->r == q->f) {
        printf("Empty");
    }
    else {
        q->f = (q->f + 1) % 10;
        val = q->arr[q->f];
    }
    return val;
}
```

because in that case no place is -1 so it kept rotating in loop and kept overwriting items

To overcome this problem we take front and rear = 0 (initially)