

first in, first out -> FIFO que = new Ayray Degre < >(); Over < Integer > add > que add (5); que offor(7); S/27 que s/20); just - que. peck(); CS= \$ \$ \$ 0 3/1/1/ while(st.size()>0){ int curr\_students = que.size(); while(curr\_students>0 && que.peek()!=st.peek()){ int front\_ele=que.remove(); que.add(front\_ele); 0 curr\_students--; if(curr\_students==0) return st.size(); st.pop(); que.remove(); } return 0;

```
public int timeRequiredToBuy(int[] tickets, int k) {
    Queue<Integer> que=new ArrayDeque<>();
    int n=tickets.length:
    for(int i=0; i<n; i++){
       if(i==k){
            que.add(-1 * tickets[i]);
       } else {
            que.add(tickets[i]);
   }
    int time=0;
    while(que.size()>0){
       int front_ele=que.remove();
       if(front_ele==-1) return time+1;
       if(front_ele<0){
            front ele++:
        } else {
            front_ele--;
        if(front_ele!=0){
           que.add(front_ele);
        time++;
    3
    return time:
}
```

```
2, 3, 2
time=2+2345
```

K = 2





