

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;

```
k = 2
                                                                  2, 3, 2
time=2+2345
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]);
   }
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    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++;
    return time;
}
```

Stack, Owner using owner