5 2 -8 2 3 -6 10

i+K

5 2 -8 2 3 -6 10 <u>3</u>

[2] 3

12[3

Derecte one over

Exmenents

Tralexes.

3 RUN one 2017 (0 +0 N-K+1)

12 12

```
public static long[] firsrNegative(long[] arr,int n,int k){
    long[] res = new long[n-k+1];
   Queue<Integer> queue = new LinkedList<>();
    // we are going to store negative values indices
    for(int i=0;i<arr.length;i++){</pre>
        if(arr[i]<0){
            queue.add(i);
    // window size
    for(int i=0;i<n-k+1;i++){
        if(queue.size()>0 && queue.peek()<i){</pre>
            queue.remove();
        if(queue.size()>0 && queue.peek() <i+k){
            res[i] = arr[queue.peek()];
        }else if(queue.size()==0){
            res[i]=0;
        }else{
          res[i]=0;
    return res;
```

```
Input:

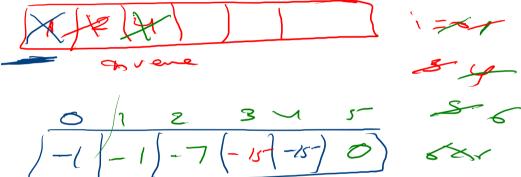
N = 8

A[] = {12, -1, -7, 8, -15, 30, 16, 28}

K = 3

Output:

-1 -1 -7 -15 -15 0
```



1 35 bu are 0 1 0 1

5 - Circular

Psiority Queue (3,5,1,2,6, add remove p01/ beek()

[12]3]4/5 [12](2,3)(3,4)(4,5)

[0000)

```
public class priority {
   public static void main(String[] args) {
       PriorityQueue<Integer> pg = new PriorityQueue<>(Collections.reverseOrder());
       pq.add(3);
       pq.add(5);
       pq.add(1);
       pq.add(2);
       pq.add(6);
       pq.add(8);
       pq.add(9);
       System.out.println("========");
       while(pq.peek()!=null){
          System.out.print(pq.poll()+" ");
         Iterator<Integer> iterator = pq.iterator();
         while (iterator.hasNext()){
            System.out.print(iterator.next()+" ");
```