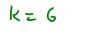


```
public static void slidingWindowMax(int[]arr,int k) {
    int[]ngr = nextGreaterRight(arr);
    int n = arr.length;

    for(int i=0; i <= n-k;i++) {
        int j = i;

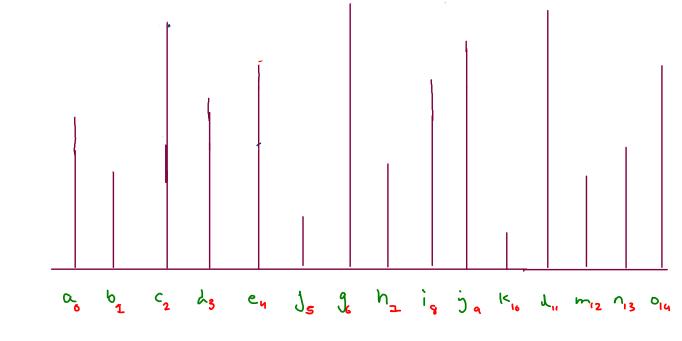
        //i+k-1 is i'th window's ending point
        while(ngr[j] < i+k) {
            //next greater lies within window
            j = ngr[j];
        }

        System.out.println(arr[j]);
    }
}</pre>
```



ngr

cuns



c 9 9 9 9 9 1 1 1 1

6

15

8

9

11

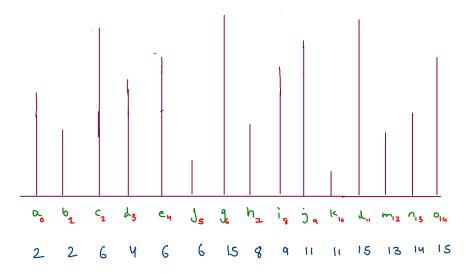
13 14 15

15

11

K= 6

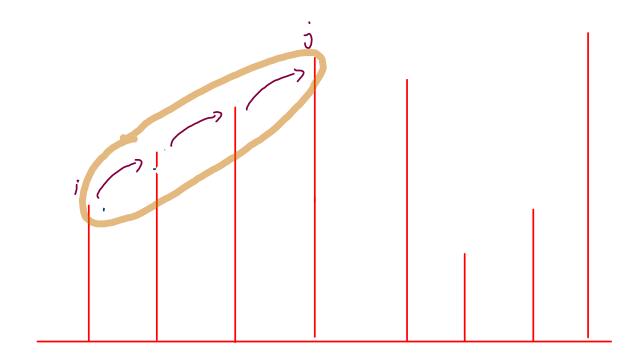
ngr



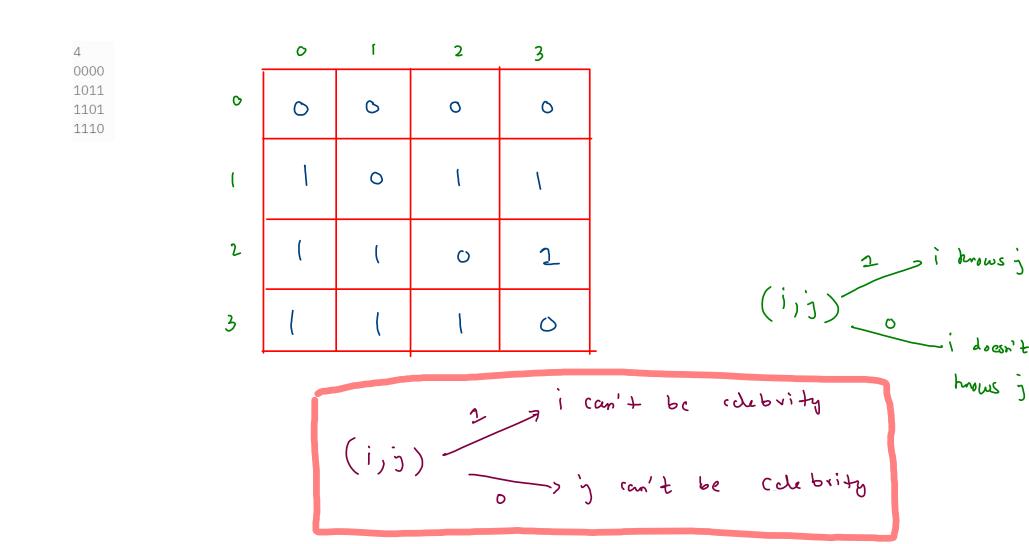
```
for(int i=0; i <= n-k;i++) {
    if(j < i) {
        j = i;
    }

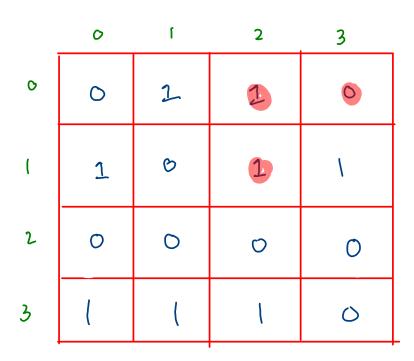
    //i+k-1 is i'th window's ending point
    while(ngr[j] < i+k) {
        //next greater Lies within window
        j = ngr[j];
    }

System.out.println(arr[j]);
}</pre>
```



3 1





$$(013) = 0 3 \times (012) = 1 0 \times 100$$

(1,2) = 1 1×