



## Agenda

- ① sliding window maximum  $\rightarrow LC: H$
- ② Rotten Oranges  $\rightarrow LC: M$
- ③ Asteroid collision  $\rightarrow LC: M$

## sliding window maximum

int[] arr = { 1, 3, -1, -3, 5, 3, 6, 7 }      K = 3

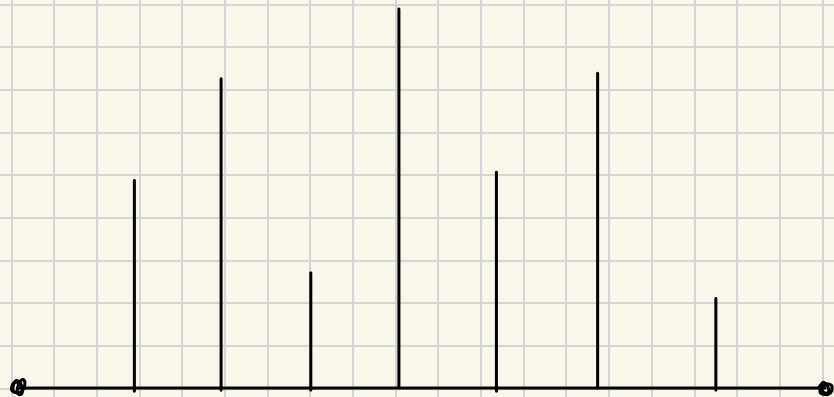
{ max<sup>m</sup> value of  
each window }

{ 3, 3, 5, 5, 6, 7 }

## Brute force

✓ TC:  $O(N * K)$   
SC:  $O(1)$

```
for (int i = 0; i <= n - K; i++)  
{  
    int max = -∞;  
    for (int j = i; j < i + K; j++)  
    {  
        max = Math.max(max, arr[j]);  
    }  
}
```



5

6

2

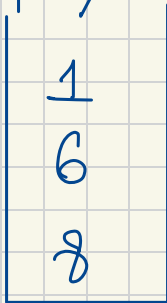
8

5

6

1

nger  
↓



st



decreasing order



