

Practice > Java > Data Structures > Java Dequeue

# Java Dequeue 🌣

#### **Problem**

Submissions

Leaderboard

Discussions

Editorial △

In computer science, a double-ended queue (dequeue, often abbreviated to deque, pronounced deck) is an abstract data type that generalizes a queue, for which elements can be added to or removed from either the front (head) or back (tail).

Deque interfaces can be implemented using various types of collections such as LinkedList or ArrayDeque classes. For example, deque can be declared as:

```
Deque deque = new LinkedList<>();
Deque deque = new ArrayDeque<>();
```

You can find more details about Deque here.

In this problem, you are given N integers. You need to find the maximum number of unique integers among all the possible contiguous subarrays of size M.

Note: Time limit is **3** second for this problem.

## **Input Format**

The first line of input contains two integers  $m{N}$  and  $m{M}$ : representing the total number of integers and the size of the subarray, respectively. The next line contains  $m{N}$  space separated integers.

#### **Constraints**

 $1 \le N \le 100000$ 

 $1 \le M \le 100000$ 

 $M \le N$ 

The numbers in the array will range between [0, 10000000].

#### **Output Format**

Print the maximum number of unique integers among all possible contiguous subarrays of size M.

## **Sample Input**

6 3 5 3 5 2 3 2

## **Sample Output**

3

Author akashs\_csedu Difficulty Medium Max Score 20 Submitted By 11729

#### NEED HELP?

- View discussions
- View editorial
- View top submissions

RATE THIS CHALLENGE



### MORE DETAILS

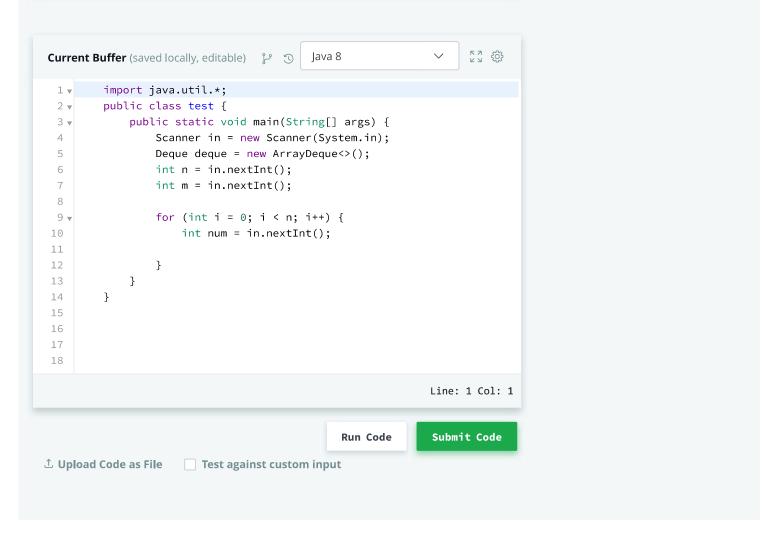
- Download problem statement
- Suggest Edits







```
In the sample testcase, there are 4 subarrays of contiguous numbers. s1 = \langle 5,3,5 \rangle \text{ - Has 2 unique numbers.} s2 = \langle 3,5,2 \rangle \text{ - Has 3 unique numbers.} s3 = \langle 5,2,3 \rangle \text{ - Has 3 unique numbers.} s4 = \langle 2,3,2 \rangle \text{ - Has 2 unique numbers.} In these subarrays, there are 2,3,3,2 unique numbers, respectively. The maximum amount of unique numbers among all possible contiguous subarrays is 3.
```



Contest Calendar | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy | Request a Feature