# 5438. Minimum Number of Days to Make m Bouquets

ıbmissions (/contest/weekly-contest-193/problems/minimum-number-of-days-to-make-m-bouquets/submissions/)

to Contest (/contest/weekly-contest-193/)

Given an integer array bloomDay, an integer m and an integer k.

We need to make m bouquets. To make a bouquet, you need to use k adjacent flowers from the garden.

The garden consists of n flowers, the ith flower will bloom in the bloomDay[i] and then can be used in **exactly one** bouquet.

Return the minimum number of days you need to wait to be able to make m bouquets from the garden. If it is impossible to make m bouquets return -1.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

## Example 1:

```
Input: bloomDay = [1,10,3,10,2], m = 3, k = 1
Output: 3
Explanation: Let's see what happened in the first three days. x means flower bloomed and We need 3 bouquets each should contain 1 flower.
After day 1: [x, _-, _-, _-, _-] // we can only make one bouquet.
After day 2: [x, _-, _-, _-, _-] // we can only make two bouquets.
After day 3: [x, _-, _-, _-, _-] // we can make 3 bouquets. The answer is 3.
```

# Example 2:

```
Input: bloomDay = [1,10,3,10,2], m = 3, k = 2
Output: -1
Explanation: We need 3 bouquets each has 2 flowers, that means we need 6 flowers. We only
```

#### Example 3:

```
Input: bloomDay = [7,7,7,7,12,7,7], m = 2, k = 3
Output: 12
Explanation: We need 2 bouquets each should have 3 flowers.
Here's the garden after the 7 and 12 days:
After day 7: [x, x, x, x, _, x, x]
We can make one bouquet of the first three flowers that bloomed. We cannot make another bounded that we can make two bouquets in different ways.
It is obvious that we can make two bouquets in different ways.
```

#### Example 4:

```
Input: bloomDay = [1000000000, 1000000000], m = 1, k = 1

Output: 1000000000

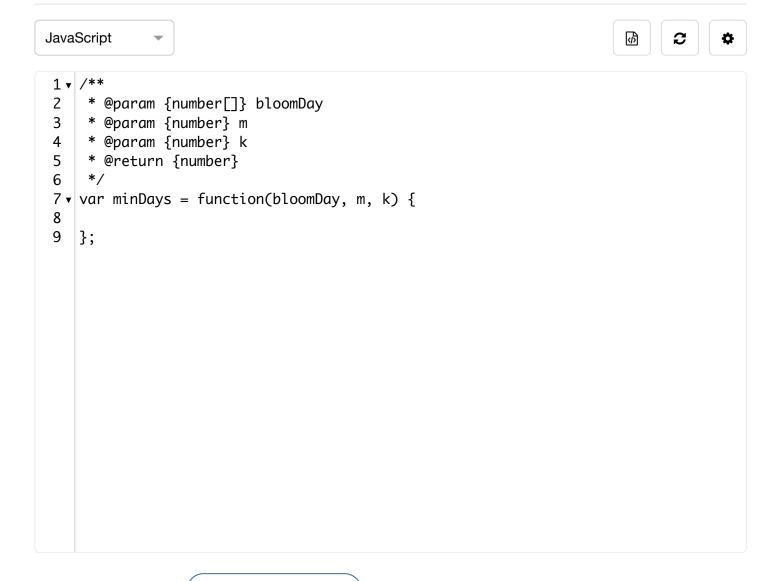
Explanation: You need to wait 1000000000 days to have a flower ready for a bouquet.
```

## Example 5:

```
Input: bloomDay = [1,10,2,9,3,8,4,7,5,6], m = 4, k = 2
Output: 9
```

## **Constraints:**

- bloomDay.length == n
- 1 <= n <= 10<sup>5</sup>
- 1 <= bloomDay[i] <= 10^9
- 1 <= m <= 10^6
- 1 <= k <= n



☐ Custom Testcase

Use Example Testcases