

Problem

Submissions

[< All Problems \(JavaScript:void\(0\)\)](#)**Minimum time to empty the array**

Accuracy: 32.89% Submissions: 79 Points: 40

Given an array of integers. You have to empty the array by doing the following operations any number of times.

- Remove the integer at index 0 if it is the minimum of the array.
- Remove the integer at index 0 and append it to the array.

Return the minimum time to empty the array. Each operation takes one unit of time.

Example 1:**Input:** 4 5 1 3 2**Output:** 10**Explanation:** We can empty the array by following the below steps:

1. 5 1 3 2 4, removed 4 and appended it to the array.
2. 1 3 2 4 5, removed 5 and appended it to the array.
3. 3 2 4 5, removed 1 as it is the minimum of the array.
4. 2 4 5 3, removed 3 and appended it to the array.
5. 4 5 3, removed 2 as it is the minimum of the array.
6. 5 3 4, removed 4 and appended it to the array.
7. 3 4 5, removed 5 and appended it to the array.
8. 4 5, removed 3 as it is the minimum of the array.
9. 5, removed 4 as it is the minimum of the array.
10. Finally the array is empty after removing 5.

Example 2:**Input:** 1 2 3**Output:** 3**Your Task:**

You don't need to read input or print anything. Your task is to complete the function **minimumTime()** which takes an array `arr[]` as input parameter and returns an integer denoting the minimum time to empty the array.

C++ (g++ 5.4) ▼

Test against custom input



```
1  // } Driver Code Ends
9 // User function Template for C++
10
11 class Solution {
12     public:
13         int minimumTime(vector<int> arr) {
14             // code here
15         }
16 };
17
18  // } Driver Code Ends
```



Compile & Run

Submit