

1h 28m  
left

## 2. Code Question



ALL



1

2

At Amazon, the team fulfillment center is responsible for the packaging process. They are given an array, *item\_weights*, of *n* items to pack. The team needs to create a new array, *new\_arr*, by removing *n/3* items from *item\_weights* without changing the order of those remaining.

The *sum\_arr* of array *new\_arr* is defined as the sum of the weights of all elements in the first half of the array minus the sum of the weights in the second half of the array.

Given *n* items and an array *item\_weights*, find the maximum *sum\_arr* possible.

### Example

Given, *n* = 3, *item\_weights* = [3, 2, 1]

array <i>item_weights</i>
[3, 2, 1]
[3, 2, 1]
[3, 2, 1]

*sum\_arr* = 2, which is the maximum score possible for array *new\_arr*.

Language Java 8

Environment

Autocomplete  
Ready

```
1  import java.io.*; ...
14
15  class Result {
16
17      /*
18       * Complete the 'getMaxSumarr' function
19       *
20       * The function is expected to return an integer.
21       * The function accepts INTEGER_ARRAY item_weights as parameter.
22       */
23
24      public static int getMaxSumarr(List<Integer> item_weights) {
25          // Write your code here
26
27      }
28
29  }
30
31  public class Solution { ...
```

Line: 14 Col: 1



Test Results

Custom Input