**[Split Array Largest Sum](https://practice.geeksforgeeks.org/problems/f04fd67b26b4828b6180715d8b1700426b637247/1)**

Given an array **arr[]** of **N** elements and a number **K**. Split the given array into K subarrays such that the maximum subarray sum achievable out of K subarrays formed is minimum possible. Find that possible subarray sum.

**Example 1:**

**Input:**  
N = 4, K = 3  
arr[] = {1, 2, 3, 4}  
**Output:**4  
**Explanation:**  
Optimal Split is {1, 2}, {3}, {4}.  
Maximum sum of all subarrays is 4,  
which is minimum possible for 3 splits.

**Example 2:**

**Input:**  
N = 3, K = 2  
A[] = {1, 1, 2}  
**Output:**  
2  
**Explanation:**  
Splitting the array as {1,1} and {2} is optimal.  
This results in a maximum sum subarray of 2.

**Your Task:**  
The task is to complete the function **splitArray**() which returns the maximum sum subarray after splitting the array into K subarrays such that maximum sum subarray is minimum possible.

**Constraints:**  
1 ≤ N ≤ 105  
1 ≤ K ≤ N  
1 ≤ arr[i] ≤ 104

**Expected Time Complexity:**O(N\*log(sum(arr))).  
**Expected Auxiliary Space:**O(1).