1231. Divide Chocolate Premium Hard ♥ Topics ② Companies ۞ Hint You have one chocolate bar that consists of some chunks. Each chunk has its own sweetness given by the array sweetness. You want to share the chocolate with your k friends so you start cutting the chocolate bar into k + 1 pieces using k cuts, each piece consists of some consecutive chunks. Being generous, you will eat the piece with the minimum total sweetness and give the other pieces to your friends. Find the maximum total sweetness of the piece you can get by cutting the chocolate bar optimally. Example 1: **Input:** sweetness = [1,2,3,4,5,6,7,8,9], k = 5 Output: 6 **Explanation:** You can divide the chocolate to [1,2,3], [4,5], [6], [7], [8], [9] Example 2: **Input:** sweetness = [5,6,7,8,9,1,2,3,4], k = 8 Output: 1 Explanation: There is only one way to cut the bar into 9 pieces. Example 3: **Input:** sweetness = [1,2,2,1,2,2,1,2,2], k = 2 Output: 5 Explanation: You can divide the chocolate to [1,2,2], [1,2,2], [1,2,2] Constraints: 0 <= k < sweetness.length <= 10⁴ • 1 <= sweetness[i] <= 10⁵ Seen this question in a real interview before? 1/5 Yes No Acceptance Rate 59.1% Accepted 58.3K Submissions 98.8K ♥ Topics Array Binary Search Companies 0 - 6 months Google 2 6 months ago Snap 2 Q Hint 1 After dividing the array into K+1 sub-arrays, you will pick the sub-array with the minimum sum. O Hint 2 Divide the sub-array into K+1 sub-arrays such that the minimum sub-array sum is as maximum as possible. Q Hint 3 Use binary search with greedy check. ₩ Similar Questions Split Array Largest Sum Capacity To Ship Packages Within D Days O Discussion (18)

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