

Description

Solution

Submissions

Discuss (75)

Python

Autocomplete

i {} ↵ ⌂

## 1231. Divide Chocolate

Hard 238 17 Add to List Share

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]`

```
1 class Solution(object):
2     def maximizeSweetness(self, sweetness, K):
3         """
4         :type sweetness: List[int]
5         :type K: int
6         :rtype: int
7         """
8
```