

1196. How Many Apples Can You Put into the Basket Premium

Easy Topics Companies Hint

You have some apples and a basket that can carry up to 5000 units of weight.

Given an integer array `weight` where `weight[i]` is the weight of the i^{th} apple, return *the maximum number of apples you can put in the basket*.

Example 1:

Input: `weight = [100,200,150,1000]`
Output: 4
Explanation: All 4 apples can be carried by the basket since their sum of weights is 1450.

Example 2:

Input: `weight = [900,950,800,1000,700,800]`
Output: 5
Explanation: The sum of weights of the 6 apples exceeds 5000 so we choose any 5 of them.

Constraints:

- $1 \leq \text{weight.length} \leq 10^3$
- $1 \leq \text{weight}[i] \leq 10^3$

Seen this question in a real interview before? 1/5

Yes No

Accepted 39K | Submissions 58.1K | Acceptance Rate 67.0%

Topics^

ArrayGreedySorting

Companies^

0 - 6 months

Virtu Financial 3

Hint 1^

What if you think in a greedy approach?

Hint 2^

The best apple to take in one step is the one with the smallest weight.

Hint 3^

Sort the array and take apples with smaller weight first.

Discussion (1)^