5735. Maximum Ice Cream Bars

My Submissions (/contest/weekly-contest-237/problems/maximum-ice-cream-bars/submissions/) Back to Contest (/contest/weekly-contest-237/)

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

It is a sweltering summer day, and a boy wants to buy some ice cream bars.

At the store, there are `n` ice cream bars. You are given an array `costs` of length `n`, where `costs[i]` is the price of the i^{th} ice cream bar in coins. The boy initially has `coins` coins to spend, and he wants to buy as many ice cream bars as possible.

Return *the **maximum** number of ice cream bars the boy can buy with* `coins` *coins.*

Note: The boy can buy the ice cream bars in any order.

Example 1:

```
Input: costs = [1,3,2,4,1], coins = 7
Output: 4
Explanation: The boy can buy ice cream bars at indices 0,1,2,4 for a total price of 1 + 3 + 2 + 1 = 7.
```

Example 2:

```
Input: costs = [10,6,8,7,7,8], coins = 5
Output: 0
Explanation: The boy cannot afford any of the ice cream bars.
```

Example 3:

```
Input: costs = [1,6,3,1,2,5], coins = 20
Output: 6
Explanation: The boy can buy all the ice cream bars for a total price of 1 + 6 + 3 + 1 + 2 + 5 = 18.
```

Constraints:

- `costs.length == n`
- `1 <= n <= 10^5`
- `1 <= costs[i] <= 10^5`
- `1 <= coins <= 10^8`

JavaScript

```javascript
const maxIceCream = (costs, coins) => {
    costs.sort((x, y) => x - y);
    let sum = res = 0;
    for (const e of costs) {
        if (sum >= coins) {
            break;
        } else {
            sum += e;
            res++;
        }
    }
    return sum > coins ? res - 1 : res;
};
```

Custom Testcase | Use Example Testcases

Run | Submit

Submission Result: Accepted (/submissions/detail/481977808/) | More Details > (/submissions/detail/481977808/)

Share your acceptance!