

# Problem 2561: Rearranging Fruits

## Problem Information

**Difficulty:** Hard

**Acceptance Rate:** 57.58%

**Paid Only:** No

**Tags:** Array, Hash Table, Greedy, Sort

## Problem Description

You have two fruit baskets containing `n` fruits each. You are given two \*\*0-indexed\*\* integer arrays `basket1` and `basket2` representing the cost of fruit in each basket. You want to make both baskets \*\*equal\*\*. To do so, you can use the following operation as many times as you want:

- \* Choose two indices `i` and `j`, and swap the `ith` fruit of `basket1` with the `jth` fruit of `basket2`. \* The cost of the swap is `min(basket1[i], basket2[j])` .

Two baskets are considered equal if sorting them according to the fruit cost makes them exactly the same baskets.

Return \_the minimum cost to make both the baskets equal or\_-1` \_if impossible.\_

**Example 1:**

**Input:** basket1 = [4,2,2,2], basket2 = [1,4,1,2] **Output:** 1 **Explanation:** Swap index 1 of basket1 with index 0 of basket2, which has cost 1. Now basket1 = [4,1,2,2] and basket2 = [2,4,1,2]. Rearranging both the arrays makes them equal.

**Example 2:**

**Input:** basket1 = [2,3,4,1], basket2 = [3,2,5,1] **Output:** -1 **Explanation:** It can be shown that it is impossible to make both the baskets equal.

**Constraints:**

```
* `basket1.length == basket2.length` * `1 <= basket1.length <= 105` * `1 <= basket1[i],  
basket2[i] <= 109`
```

## Code Snippets

### C++:

```
class Solution {  
public:  
    long long minCost(vector<int>& basket1, vector<int>& basket2) {  
  
    }  
};
```

### Java:

```
class Solution {  
public long minCost(int[] basket1, int[] basket2) {  
  
}  
}
```

### Python3:

```
class Solution:  
    def minCost(self, basket1: List[int], basket2: List[int]) -> int:
```