

Problem Challenge 1

We'll cover the following ^

- Count of Subset Sum (hard)
 - *
 - Example 1:
 - Example 2:
 - Try it yourself

Count of Subset Sum (hard)

Given a set of positive numbers, find the total number of subsets whose sum is equal to a given number 'S'.

Example 1: #


```
Input: {1, 1, 2, 3}, S=4
Output: 3
The given set has '3' subsets whose sum is '4': {1, 1, 2}, {1, 3}, {1, 3}
Note that we have two similar sets {1, 3}, because we have two '1' in our input.
```


Example 2: #


```
Input: {1, 2, 7, 1, 5}, S=9
Output: 3
The given set has '3' subsets whose sum is '9': {2, 7}, {1, 7, 1}, {1, 2, 1, 5}
```


Try it yourself

Try solving this question here:

 Java

 Python3

 C++


 JS

```
1 class SubsetSum {
2   static int countSubsets(int[] num, int sum) {
3       //TODO: Write - Your - Code
4       return -1;
5   }
6
7   public static void main(String[] args) {
8       SubsetSum ss = new SubsetSum();
9       int[] num = { 1, 1, 2, 3 };
10      System.out.println(ss.countSubsets(num, 4));
11      num = new int[] { 1, 2, 7, 1, 5 };
12      System.out.println(ss.countSubsets(num, 9));
13  }
14 }
```

Run

Save

Reset





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Minimum Subset Sum Difference (hard)

[Solution Review: Problem Challenge 1](#)

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