InfyTQ SET 002

Solved Challenges **2/5**

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Special Sum

ID:10567 **Solved By 230 Users**

InfyTQ

The program must accept **N** integers as the input and print the count **C** of combinations of **K** integers which add upto a special sum **S** which is an integer value.

Boundary Condition(s):
1 <= K <= N <= 25

Input Format:
The first line contains N, K and S separated by a space.
The second line contains N integer values separated by a comma.

Output Format:
The first line contains C.

Example Input/Output 1:
Input:
6 4 0
-1,1,0,0,2,-2

Output:
3

Explanation:
As **K** is **4** and **S** is **0**, we need to consider the combination of four integers.
(-1,1,2,-2), **(0,0,1,-1)**, **(0,0,-2,2)** are the combinations which add upto S (as S is 0).

Example Input/Output 2:
Input:
6 4 3
5,1,0,0,2,-2

Output:
2

Max Execution Time Limit: 500 millisecs

Ambiance

Python3 (3.x) ⌄

Reset

```
1   from itertools import combinations
2   N,K,S = map(int,input().strip().split())
3   arr = list(map(int,input().strip().split(",")))
4
5   comb=combinations(arr,K)
6   count = 0
7   for li in comb:
8       if(sum(li) == S):
9           count+=1
10
11  print(count)
12
13
```

Please wait while we run the program ....

☐ Run with a custom test case (Input/Output)