GE23131-Programming Using C-2024

Question **1**
Correct
Marks out of 1.00
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Statement for coding problem 1 to 4

Given n integers and a number k, you have to find the number of subsets whose sum equals k.

Constraints:

1<=n<=20
0<=a[i]<=100
1<=k<=1000

Input:

First line contains a single integer T denoting the number of testcases.

First line of every testcase contains two integer n and k.

Next line contains n integers separated by single space denoting the elements of array.

Output:

For every test case print one line containing the count of subsets.

SAMPLE INPUT

1
5 3
1 2 3 4 5

SAMPLE OUTPUT

1

Explanation

N = 5 and K = 3, so we have to calculate maximum and minimum sum using all 5 elements.
Maximum sum is only 1 subsets can be formed (5 is the element)
Minimum sum is also 1 (the 3 elements is subset 1+2+3 that is 6)
So the ans is 1 (1 subset)

Answer: (penalty regime: 0 %)

```
count=0;
int n,k;
int *a;
int *temp;
int i,j,k,l,m,p,q,temp;
int T=1;
int ans=0;
int *dp;
int *dp2;
int *dp3;
int *dp4;
int *dp5;
int *dp6;
int *dp7;
int *dp8;
int *dp9;
int *dp10;
int *dp11;
int *dp12;
int *dp13;
int *dp14;
int *dp15;
int *dp16;
int *dp17;
int *dp18;
int *dp19;
int *dp20;
int *dp21;
int
```