Count No.Of subset with given Diff

Lets say : s1- s2=diff

S1 +s2 =sum

Therefore s1 = (diff +sum)/2

import java.util.Scanner;

public class MyClass {

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

int n=sc.nextInt();

int[] array=new int[n];

for(int i=0 ;i<array.length ;i++)

{

array[i]=sc.nextInt();

}

int totalsum=0;

for(int i=0 ;i<array.length ;i++)

{

totalsum +=array[i];

}

int difference=sc.nextInt();

int sum1=(difference + totalsum)/2;

System.out.println(subset(array,sum1));

}

public static int subset(int[] array ,int sum)

{

int len=array.length;

int[][] dp=new int[len+1][sum+1];

for(int i=0 ;i<len+1 ;i++)

{

for(int j=0 ;j<sum+1 ;j++)

{

if(i==0 && j!=0)

{

dp[i][j]=0;

}

if(j==0)

{

dp[i][j]=1;

}

if(array[i-1]<=j)

{

dp[i][j]=dp[i-1][j-array[i-1]] + dp[i-1][j];

}

else

{

dp[i][j]=dp[i-1][j];

}

}

}

return dp[len][sum];

}

}