**Minimum sum partition**

Given an array **arr** of size **n**containing **non-negative**integers, the task is to divide it into two sets **S1** and **S2** such that the absolute difference between their sums is minimum and find the **minimum** difference

**Example 1:**

**Input**: N = 4, arr[] = {1, 6, 11, 5}

**Output:** 1

**Explanation**:

Subset1 = {1, 5, 6}, sum of Subset1 = 12

Subset2 = {11}, sum of Subset2 = 11

static int get(int N, int arr[], int sum){

// code here

int ar[][]=new int[N+1][sum+1];

for(int i=1;i<N+1;i++){

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

if(j>=arr[i-1]){

ar[i][j]=(int)Math.max(ar[i-1][j],(ar[i-1][j-arr[i-1]])+arr[i-1]);

}

else

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

}

}

return ar[N][sum];

}

public int minDifference(int arr[], int n)

{

// Your code goes here

int sum=0;

for(int i=0;i<n;i++)

sum=sum+arr[i];

int a=get(n,arr,sum/2);

return sum-(2\*a);

}