#include<bits/stdc++.h>

using namespace std;

int count\_subset(vector<int> arr, int sum, int n){

vector<vector<int> > dp(n+1,vector<int> (sum+1,-1));

for(int i=0;i<=sum;i++){

dp[0][i] = 0;

}

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

dp[i][0] = 1;

}

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

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

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

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

}

else{

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

}

}

}

return dp[n][sum];

}

int main(){

int n,diff,sum=0;

cin>>n>>diff;

vector<int> arr(n);

int i = n;

int j = 0;

while(i--){

int x;

cin>>x;

arr[j] = x;

sum+=x;

j++;

}

int val = (sum+diff)/2;

cout<<count\_subset(arr,val,n);

}