#include<bits/stdc++.h>

using namespace std;

void tar\_sum(int \*arr, int n, int tar){

sort(arr,arr+n);

int l=0,r=n-1;

while(l!=r){

if(arr[l]+arr[r]>tar){

r--;

}

else if(arr[l]+arr[r]<tar){

l++;

}

else{

cout<<arr[l]<<", "<<arr[r]<<endl;

l++;

r--;

}

}

}

int main(){

int n;

cin>>n;

int arr[n];

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

cin>>arr[i];

}

int tar;

cin>>tar;

tar\_sum(arr,n,tar);

}