#include<bits/stdc++.h>

using namespace std;

void target\_sum(vector<int> arr, int tar, int sum, int idx, string ans){

if(idx==arr.size()){

if(sum==tar){

cout<<ans<<"."<<endl;

}

return;

}

if(sum>tar){

return;

}

string s = to\_string(arr[idx]);

target\_sum(arr,tar,sum+arr[idx],idx+1,ans+s+", ");

target\_sum(arr,tar,sum,idx+1,ans);

}

int main() {

int n;

cin >> n;

vector <int> arr(n);

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

cin >> arr[i];

int tar;

cin>>tar;

target\_sum(arr,tar,0,0,"");

}