**Find Four Elements That Sums To A Given Value**

#include <bits/stdc++.h>

string fourSum(vector<int> arr, int target, int n) {

sort(arr.begin(),arr.end());

unordered\_map<int,pair<int,int>> mp;

for(int i=0;i<n-1;i++){

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

int sum=arr[i]+arr[j];

if(mp.find(sum)==mp.end()){

mp[sum]={i,j};

}

}

}

for(int i=0;i<n-1;i++){

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

int s=target-arr[i]-arr[j];

if (mp.find(s) != mp.end()) {

int v1 = mp[s].first;

int v2 = mp[s].second;

if (i != v1 && i != v2 && j != v1 && j != v2)

return "Yes";

}

}

}

return "No";

}