// { Driver Code Starts

#include<bits/stdc++.h>

using namespace std;

// } Driver Code Ends

class Solution{

public:

static bool comp(const vector<int> &v1, const vector<int> &v2){

if(v1[0]!=v2[0]){

return v1[0]<v2[0];

}

else if(v1[1]!=v2[1]){

return v1[1]>v2[1];

}

else{

return v1[2]<v2[2];

}

}

void customSort (int phy[], int chem[], int math[], int N)

{

int n = N;

vector<vector<int> > marks(n,vector<int>(3));

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

marks[i][0] = phy[i];

marks[i][1] = chem[i];

marks[i][2] = math[i];

}

// sort(marks[0].begin(),marks[0].end());

// sort(marks[1].begin(),marks[1].end(),comp);

// sort(marks[2].begin(),marks[2].end(),comp);

sort(marks.begin(),marks.end(),comp);

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

phy[i] = marks[i][0];

chem[i] = marks[i][1];

math[i] = marks[i][2];

}

}

};

// { Driver Code Starts.

int main ()

{

int t; cin >> t;

while (t--)

{

int n; cin >> n;

int phy[n];

int chem[n];

int math[n];

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

cin >> phy[i] >> chem[i] >> math[i];

Solution ob;

ob.customSort (phy, chem, math, n);

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

cout << phy[i] << " " << chem[i] << " " << math[i] << endl;

}

}

// Contributed By: Pranay Bansal

// } Driver Code Ends