```java
import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;


public class Day91 {

    public static void main(String[] args) throws NumberFormatException, IOException {

        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

        int t = Integer.parseInt(br.readLine());


        while (t-- > 0) {

            int n = Integer.parseInt(br.readLine());

            HashMap<String, String> start = new HashMap<String, String>();

            HashMap<String, String> end = new HashMap<String, String>();

            ArrayList<Integer> cost = new ArrayList<Integer>();

            int i;

            String[] str;

            int total = 0;


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

                str = br.readLine().split(" ");

                start.put(str[0], str[1]);

                end.put(str[1], str[2]);

                total = total + Integer.parseInt(str[2].replace("$", ""));

            }


            String costAns = total + "$";

            String startCountry = "";
```

```java
        Iterator<String> it = start.keySet().iterator();


        while (it.hasNext()) {
            String c1 = it.next();


            if (!end.containsKey(c1)) {
                startCountry = c1;
                break;
            }
        }


        for (i = 0; i < n - 1; i++) {
            System.out.println(startCountry + " " + start.get(startCountry) + " " +
end.get(start.get(startCountry)));
            startCountry = start.get(startCountry);
        }


        System.out.println(costAns);
        }
    }
}
```