

```

1  #include <bits/stdc++.h>
2  using namespace std;
3  typedef pair<int,int> ii;
4  typedef vector<ii> vii;
5  typedef vector<vii> vvii;
6  typedef vector<pair<int,ii> > viii;
7  typedef long long int ll;
8  viii Grafo,MST;
9  int parent[200001];
10 ll total;
11 int findset(int x){
12     if(x!=parent[x])
13         parent[x] = findset(parent[x]);
14     return parent[x];
15 }
16 void UNION(int x,int y){
17     parent[x] = parent[y];
18 }
19 void kruskal(){
20     int pu,pv;
21     sort(Grafo.begin(),Grafo.end());
22     for(int i=0;i<Grafo.size();i++){
23         pu = findset(Grafo[i].second.first);
24         pv = findset(Grafo[i].second.second);
25         if(pu!=pv){
26             total+=Grafo[i].first;
27             UNION(pu,pv);
28         }
29     }
30 }
31
32 main(){
33     int n,m,from,to,w;
34
35     while(cin >> n >> m and n and m){
36         Grafo.clear();
37         ll t = 0;
38         for(int i=0;i<m;i++){
39             cin >> from >> to >> w;
40             Grafo.push back(make pair(w,make pair(from,to)));
41             t+=w;
42         }
43         for(int i=0;i<n;i++){
44             parent[i] = i;
45         }
46         total = 0;
47         kruskal();
48         cout << t-total << endl;
49     }
50 }
51

```