

```

1  using namespace std;
2  #include <cstdio>
3  #include <iostream>
4  #include <stack>
5  #include <vector>
6  main(){
7      typedef pair<int,int> ii;
8      //typedef pair<int,ii> iii;
9      typedef vector<ii> vii;
10     //typedef vector<iii> viii;
11
12     int n_e,n_v;
13     int s,u;
14     scanf("%d",&n_v);
15     vector<vii> node(n_v);
16     int Discv[n_v],weight;
17     int connode;
18
19     for(int i=0;i<n_v;i++){
20         scanf("%d",&n_e);
21         Discv[i] = 0;
22
23         for(int j=0;j<n_e;j++){
24             scanf("%d",&connode);
25             scanf("%d",&weight);
26             node[i].push_back(ii(connode,weight));
27             node[connode].push_back(ii(i,weight));
28         }
29     }
30
31     s=5;
32     stack<int> stackOnode;
33     stackOnode.push(s);
34     while(!stackOnode.empty()){
35         int u = stackOnode.top();
36         stackOnode.pop();
37         if(Discv[u] == 0){
38             Discv[u] = 1;
39             printf("%d",u);
40             for(int i=0;i<node[u].size();i++){
41                 stackOnode.push(node[u][i].first);
42             }
43         }
44     }
45
46
47
48
49     /*
50     //for(int i=0;i< n_v;i++){
51         stackOnode.push(s);
52         //stackOnode.pop();
53         if(Discv[s] == 0){
54             Discv[s] = 1;
55
56             int Bin_node = stackOnode.top();
57             stackOnode.pop();
58             while(!stackOnode.empty()){
59
60                 if(Discv[Bin_node] == 0){
61                     Discv[s] = 1;
62                     for(int i=0;i<node[s].size();i++){
63                         // stackOnode.push(node[s][i]);
64                     }
65                 }
66

```

```
67
68     }}*/
69
70
71
72
73
74
75
76
77 }
78
79 /*
80 9
81 1 1 0
82 3 0 0 2 0 3 0
83 2 1 0 3 0
84 3 1 0 2 0 4 0
85 1 3 0
86 0
87 2 7 0 8 0
88 1 6 0
89 1 6 0
90
91 8
92 2 1 0 2 0
93 2 2 0 3 0
94 2 3 0 5 0
95 1 4 0
96 0
97 0
98 0
99 1 6 0
100 */
```