

```
1  #include <bits/stdc++.h>
2  using namespace std;
3  typedef vector<vector<int> > vvi;
4  typedef vector<int> vi;
5  vvi Grafo(2005);
6  bool visitados[2005];
7  int n,m;
8  void dfs(int n){
9      visitados[n] = true;
10     for(int i=0;i<Grafo[n].size();i++){
11         if(!visitados[Grafo[n][i]])
12             dfs(Grafo[n][i]);
13     }
14 }
15
16
17 main(){
18     ios base::sync with stdio(0);
19     cin.tie(0);
20     int i,j,z,from,to,way;
21
22     while(cin >> n >> m and n and m){
23         for(j=0;j<n;j++){Grafo[j].clear();}
24         for(j=0;j<m;j++){
25             cin >> from >> to >> way;
26             Grafo[from-1].push back(to-1);
27             if(way==2)
28                 Grafo[to-1].push back(from-1);
29         }
30         bool falha = false;
31         for(j=0;j<n;j++){
32             memset(visitados,false,sizeof(visitados));
33             dfs(j);
34             for(int k=0;k<n;k++){if(visitados[k]==false){falha = true;break;}}
35             if(falha)
36                 break;
37         }
38         if(falha)
39             cout << 0 << endl;
40         else
41             cout << 1 << endl;
42     }
43 }
44
45
```