

```
#include<iostream>
#include<list>
#include<stack>
#include<queue>
using namespace std;
class Graph
{
    int V;
    list<int>* adj;
    void dfsUtil(int v, bool* visited);
    void fillOrder(int v, bool* visited, stack<int>& s);
    Graph transpose();
public:
    Graph(int v);
    void addEdge(int u, int v);
    void SCCs();
    void topSort();
};
```