```cpp
#include <bits/stdc++.h>
using namespace std;

vector<vector<string > > Grafo(105);
map<string,int> V;
map<int,string> S;
map<string,int> grau;
int n,m;
vector<int> saida;
void kahn(){
    int i;
    priority_queue<int> F;
    for(i=0;i<n;i++){
        if(grau[S[i]]==0)
            F.push(-i);
    }
    while(!F.empty()){
        int aux = -F.top();
        saida.push_back(aux);
        F.pop();
        for(i=0;i<Grafo[aux].size();i++){
            if(--grau[Grafo[aux][i]]==0)
                F.push(-V[Grafo[aux][i]]);
        }
    }

}
main(){
    int i,j,k,cont=1;
    string e,from,to;
    while(cin >> n){
        cin.ignore();
        for(i=0;i<n;i++){
            cin >> e;
            cin.ignore();
            V[e]=i;
            S[i]=e;
            Grafo[i].clear();
        }
        cin >> m;
        for(i=0;i<m;i++){
            cin >> from >> to;
            Grafo[V[from]].push_back(to);
            grau[to]++;
        }
        kahn();
        cout << "Case #" << cont << ": Dilbert should drink beverages in this order: ";
        for(i=0;i<saida.size();i++){
            cout << S[saida[i]];
            if(i!=saida.size()-1)
                cout << " ";
        }
        cout <<"." << endl;
        V.clear();
        S.clear();
        saida.clear();
        cont++;
        cout << endl;
    }
}
```