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#include <iostream>
#include <fstream>

using namespace std;

int a[20][20], n, L[20][20];

ifstream fin("graf.in");

void CitireMA()
{
    int i, j;
    fin >> n;
    while (fin >> i >> j)
        a[i][j] = a[j][i] = 1;
    fin.close();
}

void AfisareMA()
{
    int i, j;
    for (i = 1; i <= n; i++)
    {
        cout << endl;
        for (j = 1; j <= n; j++)
            cout << a[i][j] << " ";
    }
}

void CreareLS()
{
    int i, j, k;
    for (i = 1; i <= n; i++)
    {
        k = 0;
    }
}

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        for (j=1;j<=n;j++)
        if (a[i][j]==1)
        {
            k=k+1 ;
            L[i][k]=j;
        }
    }
}

void AfisareLS ()
{
    int i,k;
    cout<<endl;
    for (i=1;i<=n;i++)
    {
        k=1;
        cout<<endl<<"Lista vecinilor nodului "<<i;
        if (L[i][k]!=0)
            while (L[i][k]!=0)
            {
                cout<<" -> "<<L[i][k];
                k++;
            }
        else
            cout<<" -> "<<"NULL";
    }
}

int main ()
{
    CitireMA ();
    AfisareMA ();
    CreareLS ();
}

```

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AfisareLS();  
return 0;  
}
```