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Problem Statement : Write a program to implement link state /Distance vector routing protocol to find a suitable path for transmission.

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#include <iostream>

using namespace std;

struct node {
    int dist[20];
    int from[20];
} route[10];

int main(){
    int dm[20][20], no;
    cout << "Enter no of nodes." << endl;
    cin >> no;
    cout << "Enter the distance matrix:" << endl;
    for (int i = 0; i < no; i++) {
        for (int j = 0; j < no; j++) {
            cin >> dm[i][j];
            dm[i][i] = 0;
            route[i].dist[j] = dm[i][j];
            route[i].from[j] = j;
        }
    }

    int flag;
    do {
        flag = 0;
        for (int i = 0; i < no; i++) {
```

