```cpp
#include <bits/stdc++.h>
using namespace std;
#define MAX 10
int n;
class router {
    char adj_new[MAX], adj_old[MAX];
    int table_new[MAX], table_old[MAX];
    public:
    router() {
        for (int i=0; i<MAX; i++) table_old[i]=table_new[i]=99;
    }
    void copy() {
        for(int i=0; i<n; i++) {
            adj_old[i] = adj_new[i];
            table_old[i] = table_new[i];
        }
    }
    int equal() {
        for (int i=0; i<n; i++)
        if( table_old[i] != table_new[i] || adj_new[i]! =adj_old[i]) return 0;
        return 1;
    }
    void input (int i) {
        cout << " Enter 1 if the corresponding routers is adjacent
        to ourer".
```

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<<(char)('A'+j) <<" else enter 99: " << endl<<" ";
for (int i=0; i <n; i++)
if (i!=j) cout <<( char)('A'+i)<<" ";
cout << "\nEnter matrix: ";
for (int i=0; i <n ; i++) {
if (i==j)
    table_new [i] =0;
else
    cin>> table_new [i];
    adj_new[i]= (char)('A'+i);
    }
    cout <<endl;
    }
void display(){
    cout << "\n Destination Router : ";
for (int i=0; i<n; i++) cout<< (char)('A'+i)<<" ";
    cout<< "\n outgoing Line: ";
for (int i=0; i < n; i++) cout (new[i] <<"..
    }
break;
    }
int main(){
    cout<< " Enter the number the routes (<"<<MAX <<"):"; cin>>n;
for (int i=0; i<n; i++) r[i].input(i);
    build_table();
    for (int i=0; i<n; i++) {
    cout << "Router Table entries for router "<< (char)
    ('A' +i) <<":_";
        r[i].display();
        } cout <<endl<< endl;
```