1BM18CSLS 4

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Topology: Str Sen, Broc

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E John only
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#include (conio.h)
# include (isstream.h)
# define MAX 10
int n';
```

class trouter

```
Chan adj-new[MAX], adj-old[MAX];
int table-new [MAX], table-old [MAX];
public:
fronter () ( in) Conto ( les son ( bo
    for Cirt i=0; i < MAX; i+t)!
```

table_obl[i]: table-new[i] = 99;

void copy () for (int i=0; i<n; i++)

adj-old[i] = adj-new[i]; table-old[i]: table-rew[i];

Protontag (10/3) tons

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int equal()
   for Cint i=0; i <n; i++)
      'y (table - old [i]! = table - new [i] | odj-new [i]! = odjlob
       return O;
  return 1;
(j. tm) tugni biou
    cout << " Enter L if the corresponding router is
              ordiacent to rower"
     «Cchar)C'A'+d) < 4" else enter 99: "<< endl <<" ";
     for Cinti=0; i <n; i++)
     y(il=1) cout << (char)('A'+i)<<"";
         cout << 'In Enter matrix: ";
        for (i=D; i(n; i++)
            ij (i= : j)
               table - new[i] = 0;
                 cin >> table-new [i];
                adj-new [i]: (char) ('A'+i);
         cout ((endl;
 void display ()
     cout (("In Destination Router: ";
     for (int i=0; i <n; i++) cout << (chan) ('A+i) <<")
        cout ( "In Outgoing Line"
     for (i=0; i<n; i++) cout <4 adj-new [i] <<"
Cout <<" In Hop Count: ";
      por(i=0; i<n; i++) cout << table-new[i]<<"";
 9
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(this bind Cinty)
      for lint i=0; ikn; i++)
        (++A; (n) A) L& (j=1); O=A tri) rof
i (table-Old Li]!=99)
              y (Hable-new (i) + r Li]. table new [R] (table -new [R])
                table-new[x] = table-new[i] + r[i]. table-new[x];
                 ordi-rew[R] = (char)('A'+i);
JA [107;
void build table ()
l ord i=0;j=0;
 while (i 1 = N)
       for (i= f; i <n; i++)
        1 91[17. copy();
           A [i7. build (i);
        pr(i=0; ikn; i++)
           y (!n[i]. equal())
            4 break
() aion blev
    clusor();
    cout << " Enter the number of howers ( < "<< MAX(<"): ";
    ain n;
```

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for (int i=0; i<n; i+t) nLi]-input (i);
      build-table ();
    for (i=0; i < n; i++)
         cout <1 "Router table entries for routers" <((char)('A'ti)
         r [i]. display();
cout << end) << end);
g question;
```