

WhatsApp x ComputerNetworking/cnlab7\_1b x Online C++ Compiler - online ed x (203) distance vector routing alg x

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main.cpp

input

Router Table entries for router A:-  
Destination Router: A B C D E  
Outgoing Line: A B C D E  
Hop Count: 0 1 1 99 99

Router Table entries for router B:-  
Destination Router: A B C D E  
Outgoing Line: A B C D E  
Hop Count: 1 0 99 99 99

Router Table entries for router C:-  
Destination Router: A B C D E  
Outgoing Line: A B C D E  
Hop Count: 1 99 0 1 1

Router Table entries for router D:-  
Destination Router: A B C D E  
Outgoing Line: A B C D E  
Hop Count: 99 99 1 0 99

Router Table entries for router E:-  
Destination Router: A B C D E  
Outgoing Line: A B C D E  
Hop Count: 99 99 1 99 0

...Program finished with exit code 0  
Press ENTER to exit console.

main.cpp

```
50 if((table_new[i]+table_new[k])<table_new[k]) {
51 table_new[k]=table_new[i]+table_new[k];
52 adj_new[k]-(char)('A'+i);
53 }
54 }
55 } r[MAX];
56 void build_table( ) {
57 int i=0, j=0;
58 while(i!=n) {
59 for(j=i;j<n;j++) {
60 r[i].copy();
61 r[i].build(j);
62 }
63 for(i=0;i<n;i++)
64 if(!r[i].equal()) {
65 j=i;
66 break;
67 }
68 }
69 }
70 int main() {
71 cout<<"Enter the number the routers("<<MAX<<"): "; cin>>n;
72 for(int i=0;i<n;i++) r[i].input(i);
73 build_table();
74 for(int i=0;i<n;i++) {
75 cout<<"Router Table entries for router "<<(char)('A'+i)<<:"-";
76 r[i].display();
77 cout<<endl<<endl;
78 }
79 }
```

input

18:49  
26/12/2020