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Page No.
                                                                                                                 Date
             Name: Robit Kudache
                  USN : 1BM18CS083
                                                                  # include < bits /stde++. hs
                                                                                      " ( ) 1 - 01
               using namespace std;
                                  # define MAX 10
               int n ;
                                                                        20 13 30 1007 2007
               class vouter (
                    chai adj-new [max], adj-old [max];
            int table_new [max], table_old [max]:
                            public: //# initialization of motoix
                                   router () X
                                for (int i=0; i < max; i++)
                                          teble_old [i] = teble_neco [i] = 99;
void copy cod // copy the matxix
                        for (in+ i=0; i4 n; i++) d
                                         adj-old [i] = adj-new [i];
                                        table-old [i] = table_neco [i];
                                  July 200 - 1 - 1 - 1 - 1
                                     THE THE PROPERTY OF THE PROPER
      int equal()d
                     for (in+ i=0; icn; i++)
                              if (adj-old[i]) = adj-new [i] 11
                                              table-old [I] ! = table-news [i])
                              return 0;
                             retwon 1;
                                                                      01
```

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Page No.
  void input (inti) 2
    cout 22"1. Directly connected" 22 (chasi)
    ('A' +j) << " 99 it else: " << end1 << " ";
              1000 018101-101711 1510V
  for (int i =0; i < n; i++) <
       7+ (1==i)
        toble new [i] = 0;
       else Total
          cin ss table_new [i];
          adj-new [i] = (chwi) ('A'+i);
           (++1=0 + 10=1) 167
   cout < c end 1 ; it
void display ()- &
    cout << " Destination router : ";
for (in+ i=0; iLn; i++)
    cout < < (chari) ('A' + i) < < " ";
· · cout < < " outgoing line " is no sion
Tor (int i = 0 3 1 i < n 3 1++)
      cout et ladj-new [i] !!";
      cout 12 " ( Hop count) " is
             261720901-017
 FOT (10+ 1=0 3 1X0 3 5++)
      cout << table-new [i] ( ");
Broden Se " 2518100 oldson SS nos
  void build (int j) (int & [10] 3
   for (in+ i = 0 ; i cn ; i++)
      for (int k = 0; (i!= j) && (k2n); k++)
         if (+able old II) ! = 99)
    if ((table-new [i] + & [i] -table-new [x]
             < table- new [K]) &
         table_neco[K] = +able_new[i] +
                      *[i] + table-new[t];
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Date
   adj-new [K] = (chan) (A+i)i
步步下下回了了
>- 11000 -2 " 2 0 230 27 0 0 " 25 ( 2 - 12)
  void build-toble () d
      int i=0; int j=0;
   while (i!=n)(
     for ( i=j i i < n; i++) (
       8[i] -copy() 3
    & Ci) build (i);
(1 1 1) (100 do) - 100 000 - 1000
   for ( i=0; i<n; i++)
     if (! r [v]. equal (s) d
            break;
  33.
  void main () &
   cout « " Nombes of rootes : (« « « max « ");
   cin >> n;
  for (int i=0 3 i < n 3 i++)
       i (i) Eugn1-(i) r
      build-table ();
   for (in+ i=0; icn; i++) d
     cout « Table entries" « Cchan) ('A' +1)
     r [i]. display ();
        cout kendis
175 x) 3 (1 = 1 1) 2 (1 = 2 1) 2 (1 = 2 1)
  3 Cops to the sleet dis
1do 1- 1.7 + 1.7 dus 93 - 18 de 1)
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