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Eycle-2
Program-2
                                                 Page No.
Distance Vector Algorithm.
Hischide coopie.
of include conio hs
A include & lostream. hs
& define MAX 10
 int n;
clas nontes
   cher adj-new[MX], adjold[MX];
    int table new [MAX], table old [MAX].
    public:
       Mouter ()
         for (int i=o; i < MAx; i++)
           taste old[i] = table new[i] = 99;
       void copy ()
           for (int izo;icn; itt)
               adj-old[i] = adj-new[i];
                table-old[i] = table-new[i];
         (nt equal()
           for (for 1=0; kn; i++)
           of (table old [i]! = fable new[i] | adj. new[i] != adj. old[i])
              return o;
           neturn 1;
       void input (Ent )
          Cont & Enter 1 if the corresponding number is
              adjacent to the nowlar
           for (int its; icn; i+1)
              (i=1i) p
```

```
coud (c (char) (4'+i) (c")
    conteer firster matrix ";
    for (100; icn; i++)
        ((i==j)
          table new [t] = 0;
        adj-new [i]=(chan)('+'+i);
    g cout (cend(;
Void displayer
     cont (c'Destination Router",
     for (int 120; Kn; itt)
        Coute (chan) ('A'+i) << "";
     cont ( " Outgoing ane: ")
     for ( i=0; (cn; (++)
        contic adj- new [c] ec" ";
      count (on Hop count: ")
      for (120; tan; ++)
          Contectable no CtJ << >;
                       : (1) - en-ja = + [1] H + 100
void baild-takec)
                       Colour Jack = (1) No. 280)
  cont (=0, 5=0;
   while (1) zn) &
      forlezilicn; itt) {
        a [1] - copy();
         raid build (1):
      for(120; kn; (++)
                        Dillion and a Million of
         (f( r[i] equal())
            121;
            lo realize
                                       Claring Man Sal
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void closu (); Conta finter no. of routers"; cin >> n; - (ant ico; icn; i++) M[i]. input(i); for (i=0; icn; itt) court ec' houter table entries " («Cohar) (A+1) (2) o[i] · display(); conticonal (cerd) getcher; (along andid