R.V. COLLEGE OF ENGINEERING OBSERVATION / DATA SHEET

Date 13 Jan 2021 Name	NISHCHAL J
Dept./Lab NPS LAB Class	5 - C
Title DISTANCE VECTOR ROUTING	
O white a program to implement	+ Dictance Vector Routing protect
for a simple topology of now	Jes.
Am: #include 284dio.n>	
Street node L'unsigned dist [20]; Unsigned from [20];	
7 ++ [10];	
int main ()	
int commatine [20][20] int nodes, i, i, k, count pany ("In Enter the	number of hodes: ")
pring I'm Enter the office lize; is	+4)
dor lied i	
& scang L" x	d", 4 coltmatrin [i][j]); [i]=0; [i]- coltmatrin [i][j];
of [i]. du	Signature of
[ilmonf. Eiler	Teacher incharge

```
do
     count = 0;
      for lizo; it nodes; TH)
      for (j>0; j+nodus ; j++)
       for ( K=0; 12 rodu ) K++)
         if [Tt[i].dist[j] > costmatrinti][k] + rt[k].dist[j])
              11 Bill man ford ago here
              rt [i]. dier [j] = rt[i]. dier [r] + rt[r]. diet [j];
              otlij. from y = rtlij. pomlk];
              count #;
& write (-count 1=0)
 for U=0; iz rodus; itt)
   of gring (" For router x d; \n', i+1);
       for (j=0) j= nodes; j++)
        I gring ( Born Noke and via I'd Distance "d", jt,
                     rtli].jamlj]+1, rtli].dirtj]);
      phy ( "\n \n");
```

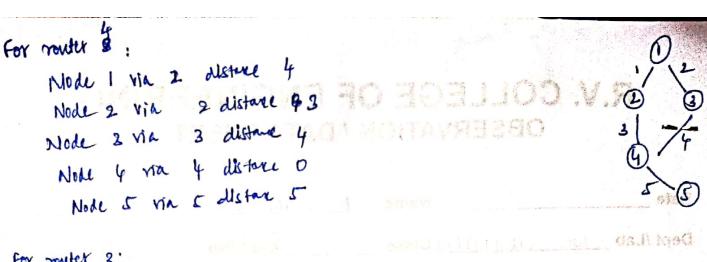
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Pept./Lab NIPS - LAB INTERNM Clas	s Expt./No
Title DILTENCE VELTOR POUTING	
uput: Ender the number of no	dy: 5
EMU the cut madrix	
0 1 2 999 999	3
1 0 999 3 999	(4) 4 ·
2 999 0 4 999	25
999 340 5	
919 111 919 5 0.	
2	
For router 1:	
Node I via 1 Distance	
Node 2 via 2 Distance	1
Node 3 VIa 3 Distre	2
Node 4 VIa 2 Distance	
Node 5 via 2 Distere	
For router 2:	
Node I via 1 Distance	-1
Node 2 via 2 Distance	그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
Note 8 va 1 distor	L <u>3</u>

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Mode

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for muter 3:

Node I via 1 root-distance 2 2 Ma 1 distruce 3 Node Node 3 Ha 3 little 4 via 4 disten 4 Node I via y distance 9 Note

for router 5:

9 distance 9 Note I via 4 distance 8 Node via 4 distace 49 Node 3 via distance 0 5 MIL Noole Nede 5 via 5 dispare O.

LAB INTERNALS: 4+4+1

TOIN : 49

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