Experiment No. ..... Debute and execute a program for distance victor algorithm to find the suitable path of transmission between sender and received # include Koldingh> struct rode int dist [20]; int from [20]; int main () int dm[20][20], n;
print { ("Enter the number of nodes: \n");
seanf ("1.1", &n);
print { ("Enter the distance matrix: \n"); for (int j=0; j<n; j++) sion [ ("!d", &dm[i][i]); dm [i][i]=0; soute [i]. dist [i]=dm[i][i]: suset [i]. from [i] = i; int flog; (int 1=0; 1<n; 1+4) MALNAD COLLEGE OF ENGINEERI

Date: 20-10-22 Experiment No. ..... 1 for (int i=0; i < n; i++) for (int K=0; K<n; K++) if ([noute [i]. dist [i]) > (noute [i]. dist [K] + resulte [K]. dist [i])) result [i]. dist [i] = result [i], dist [x]+ route[x]. List [i]; reate [i] . from [i] = K; flag =1; 3 while (flag); for (int i-o; i<n; i++) ("In Router info for recetter: 1-d In" i+1)
("Dust. I+ Next Hopl+ Dist. In"); or ( lint j=0; j<n; j++) Print ("1-dlt:1-dltl+:1-dln", j+1, sucut
[j]+1, swite [j]. dist [j]; return 0;

Enter the number of nodes:

Enter the number of nodes:

State the distance matrix:

State into for nodes:

Router into for nodes:

Next Hop Dist.

Dest. Next Hop 0

1
2
3
3
4
2
3

for (int

Router info for nouter: 2

1.000	1 4 400	Dist.
Deat.	Next Hop	
DLIX.	Town B	3
1	9	0
2	2	4
3	3	

Router info for souter: 3

Deat.	Next Hop	Dist
1	1	5
2	2 (14)	6
3	3	0
4	HADON'S CHIESTINGS	