## DISTANCE VECTORS-# include < sits | Stolc+++> using namespace Std; Adejine MAX 10 class evoules & char adj-new [MAX], adj-Old [MAX]; int take-new [MAX], table-old [MAX]; public d for(int 1=0; 1(MAX; 1++) table-off [i] = table (new) = 99; vold (opy () & for (int 1=0; i(n; i++) d table-old [P] = table-new[9]; int equal () of for (int i=0; in i++) for (table-old [i] i = table new [i] | adj new [i] = adj-old(i) return 0: vogd input (inti) of cout a Enter 1 a char (A'+ p) <5"elle conter 99:" for (int 9=0; ixn; i++) ?[ (!=j) cout << (chae)('A'+i) << ""; cout « " Enter matrix ". for (i=0; i(n; ++)

and the second second	
	or (1=0, i <n,9++)< th=""></n,9++)<>
	(12[9] equal()) d
k	ireak;
y	
NO. STATE OF THE PARTY OF THE P	t main () d
	cout << "Enter no. of routers"
	in >7 n; many Whish team to the
( )	or (int i=0;i(n;i++)
٠,9	(i) imput (i)
	uid-talle ():
31 V	or (int i=0; icn; i++) {
	out << "Entries are: "L< ((has) (A!+i).
8.0	out << ends.
	Out << endl;
J	261-166 1 "W/68 // 6 M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
output &	No. of routers: 5
	inter if nouter is next to A: BCDE
	matrix 1 = 1 1 99 99
	Enter houter B: ACDE ABCE
	Enter matrix: 99 99.1 99
	Enter router G: A B C D
	malix:-99 99199.
3	orling table for A:
	Destination: A B C D E
0	op count: 0 1 1 99 99.
+	op Count: 0 1 1 99 99.

## Enter no. of vertices:4

- Enter the adjacency matrix: 0 5 9999 9999 2 0 4 9999
- 9999 9999 0 6 4 7 5 0
- Enter the starting node:0
- Distance of node1=5
- Path=1<-0
- Distance of node2=9
- Path=2<-1<-0
- Distance of node3=15
- Path=3<-2<-1<-0