1BM18C2045 CN-Lah 8 C. Koven Naidu Program: Implement Rijktera's algorithm to compute the shortest path through a good h # include <iostgream > # include < climits > Using namespace std; int a [30] [30], n; int minimum (int visited [] int dist[]) int mindis = 10000, im mini; for (int i= o; isn; i+t) 3 if (! virited [i] & L dist [i] / mindis) 2. mindis: dist [i]; mini=1; 3 getunn minij void dij ketra [mt & suc]. Lint dist (n), vixited [n]; for (inti=o; i<n; i+t) { dist[i]= 10000. visited [i] = 0;

C. Karlam Naidu diet [snc] = 0; 1BM18C5042 for (inti=0 ji (n-1, i+t) 2. int the minimum (vinited adist); visited[au]=1; ton (int v=0; V<n; V++). lif(!visited[v]. & & a[u][v]!=10000 & & dist[u]=10000. Ld (dist[u]+a[u]=[v]) (dist[V]). diet [v] = dist [u] + a[u][v]. Cout << " Ventices It Distance from source In " Zerdly for (inti=0; i<n;i++). { if (i1 = 891C) " << dist(i) << endl; cout 22. ice " { cout << "Enter the no. of vertices " << endl, ein Drj adjamency matrix Cout << " Enter the weighted & edge.) /<< endl. Center 10000 if there is no

c. Karm Paidu 1BM18 85042 for(inti=o;i(n;i+t) { for (intj =0; j<n; j++) cin >>a[i][j]; int suc; cout << . " Enter the source vortex" << endl; cin >> 540; dijkstra (540); returno;