Prakhour Szinastana. 1 BM17 (5663. Cycle-2-Lab-3 #include Klimit.h> # include (stdio.h) # define V9. int min Distance (int dist [], bool spisel []) int main = INT-MAX, min_index; for (int v=0; N=v, N++) if (spt set [v] == false PP dist [v] x= min)
min = dist [v], min index = v; return min index; void printSalution (int dist []) print f ("Ventex It It Distance from Sourceshi");
for (int i = 0; ix V; i++)
print f ("%d Itil %d In", i, dist (i]);
7 void dijkstra (int graph (v][v], int ssc). int dist [v]; bool spicet [v]; for (inti=o;ixv;itt). dist [i] = INI_MAX, spt Set [i] = false; dust [isc] = 0; for (int count = 0; count < v-1; cout ++) { int u=min Distance (dist, sptset); spt Set [u] = true;

Page:for (int v = 0; N < V; N++)

If (!Spt Spt [v] ? f gaqph [v][v] ? dist [v]!=!NIm

Pl dist [v] + gaqph [v][v] < dist [v]

dist [v] = dist [v] + gaqph (v][v];

3 print Salution (dist); int main () xam The MONA thi ++1/2 - V + 1/2 10 - V tol real int geigh [v][v] = 250, H, 0, 0, 0, 0, 0, 8, 03, 24,0,8,0,0,0,0,11,03, {0,8,0,7,0,4,0,0,23, 30,0,7,0,9,14,0,0,03, 80,0,0,9,0,10,0,0,03, 20,0,4,14,10,0,2,0,03 80,0,0,0,0,2,0,1,64 28,11,0,0,0,0,1,0,73 80,0,2,0,0,0,6,7,039; dijkstra (graph, 0); 4- Entx top XAM THIS Ental (++ ton : 1- x x towns : a - towns to) ten) Hoston tell sometal win stave