Lab-10 - Dijkistra



Include 2 stdio.h> # Include < conio. h> # define INFINITY 19999 # define MAX 10 week > 10 Jam of dath to the Void dijkstod (int 4 [MAN] [MAN], int no int stortnode); int main() int G[MAX][MAX], izjon, 9; Printf (ee Enter no of vertices ?); scanf (et % d) , & n); point of (ee in Enten the adjacency matrix: in?); too (i= 0 = ich sitt) tox (1=0; 1 < n; 1++) - 1 = 0 < - 0 > 5 = 10 × scanf (erg, d), & G[i][i]) points (ee Enter the starting node??); Scanf (er o/ d ? , & n); dijikstra (a, n, u); retorn 0: dijikstra (int G[MAx][MAx] , int ny int startnode) int cost [max] [max], distance [max], pred[max]; int visited [MAx], count, mindistance, next node, int less fox (i= 0; i < n; i++) for (j=0°, j < n°, j++) Achiever () (G[][]==0)



cost [i][i] = INFINITY	
else	
cost[i][i]=G[i][i]	

Output	
	the graph
092	_
9069	8

2600

5 8 00

Vettex	Distance	from	Source	
M	0			
1				
2	2			
2	5			