Sion no where n is the

column are indexed as i and jutespreatively.

members of vertices. The trow and the

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i and i are the vertices of the graph.
Each cell A [i][j] is filled with the distance from the im writer to the
distance brown the it writer to the
nextly death or small list vation
in vertex. If there is no path from it vertex to in the cell is left as infinity.
is lotte as a little it is a series of the
The second the second s
11 1 1 1 1 1 1 1 5 0 3 and 5 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
A = 2 9 0 00 4
1 10 30 00 100 Ondo
4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
I a we to recent the the solding
57EP: 2 - Now, create a matrix A, using
matrix A. The elements in the flight
column and the litest now are left
as they are. The tremaining cells are
as they are The tremaining cells are filled in the following way.
Let K be the intermediate vertex in
the shortest path from source to
alterplian. In this slep, is
the first vertex. A [i][j] is filled with
the bigt vertex. A [i][j] is filled with (A[i][K] + A[K][j]) if (A[i][j]) > A[i][K] + A[K][j]).
ALITIKI + ALKILII).
The state of the s
That is, if the distance direct distance
from the gowie to the destination is
greater that the fath through the
That is, if the distance direct distance from the gource to thre destination is greater that the fath through the vertex K, they the cell is filled

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	Hith ACIJEKT + ACKTEJT.
	In this step, K is vertex I. We calculate the distance from source vertex to destination vertex through this
	vertex K.
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
N	30 0 3 0 1 0 8
	For ex: For A. [2, 4], direct distance
	of the distance from vertex 2 to 4 Abtrough vertex Lie brown vertex 2 to
	through vertex (i.e from vertex 2 to 1 and from vertex 1 to 4) is 7.
	Since 4<7, 80 A. [2,4] is
	Since 4 < 7, 80 = A. [2, 4] is filled with 4.
-5	A. The elements in the second
	column and the second trow are left
ने ज	as they are.
	In this step, K is the second vertex (i.e vertex 2). The tremaining steps
	orce Dre some as in step 2.

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	1 2 3 4 1 2 3 4
	D. = 2 2 0 9 4 -> 2 2 0 9 4
	3 1 0 3 3 1 0 5
5	cel:4 Similarly, Az and Ay is also
	1 2 3 4
	10 0 0 10 3 9 5
	A3 = 2 0 9 -> 2 2 0 9
	3 0 1 0 8 0 3 3 0
-05	1904 (C.) 11 2 C. OJ (C.) 4 (S.)
	11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
100	[0 5] 5]
	0-2/1/2/4-1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2
	Au = 2 1 100 0 - 100 100 100 100 100 100 100 1
	4 5 3 2 0 4 5 3 2 0 J
	The state of the s
Mrs	pair of vertices
0.	pair of vertices
15	
	A CODE
	-> N ig 3mall because P.C of this
	algorithm is 0 (m3)
-	CONS? 2N? N=510;
-	CONS3 3NZ 3NE = 169+10:00
	-> Distance motion to store corresponding distance by i, i
	distance born i,

	Date Date
	INT DEATENTINI;
	345 MUIN ()
	£ 4 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	FOR (3N? i=0; i <n; i++)<="" th=""></n;>
	E (347 (-0; (++)
	FOR (3N7/j=0;) < N; j++)
	3F (1==j) D397[i][j]=0; []]
	by them will be zone ex:
100	distance by (1,1) will be O.
	ELGE DZZZ[i][j] = 3NF; // Flge
	get all distances to zero. PNF indicates no path exist byw there
	traine of i, j for you
7.	- 3-(-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
- 41	-) Taking inputs and setting their
	ZN_{2} N , M ;
	C3N >> M >> m;
	FOR (3NP 1=0; (< m; (++))
	3W7 X, Y, W7;
	CIN >> x >> W?;
	D797 [x][y] = W7;

