

Q) distance vector algorithm to find suitable Path for transmission.

Graph

class

class Graph:

def __init__(self, n):

self.matrix = []

self.n = n

def addEdge(self, u, v, w):

self.matrix.append((u, v, w))

def printTable(self, dist, src):

Print ("vector Table of %d" % format(chr(ord('A') + src)))

for i in range(self.n):

Print ("%d\t\t" % format(chr(ord('A') + i)))

algorithm

def solve(self, src):

dist = [99] * self.n

dist[src] = 0

for i in range (self.n, -1):

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for u, v, w in self.mabin:

if dist[u] != 99 and dist[u] + w < dist[v]:

dist[v] = dist[u] + w.

self.print: ~~table~~ (dist, src).

def main():

mabin = []

Print ("Enter no of nodes")

n = int(input())

Print ("Enter the Adjacency matrix")

for i in range(n):

m = list(map(int, input().split()))
mabin.append(m)

g = Graph(n)

for i in range(n):

for j in range(n):

if mabin[i][j] == 1

g.addEdge(i, j, 1)

for i in range(n):

g.BellmanFord(-)

main()