2AD WACA 1BMIRCSOZZ Distance Vector Algorithm clas (rraph(): def \_\_init\_( self , vert): self. numbert = vest self graph = [] def addEdge(self, from, to, weight): Self graph [ append ([ from to, weight]) defe print Dists (self, x, arr): print ("Dist from:" + str (x)) for i in range (self. numbert): print (str(;) + "\t" \* 2 + str(orn[i])) def bf Algo (self, source): cost = [float (in/)] \* self. numbert cost [source] = 0 for \_ in range (self num Vert -1): for fr, to, wt in self. graph: if cost [fr]! = flood ("inf") and cost(fr) that < cost(to): cost (to) = cost [fr] + w self. print Dists ( source, cost) Cym ...

Date: Page:
def start Non-mat ():
n = int (input (" Enter num of vertices: "))
g = Graph (n)
x = 0
while $n = 0$
x = int (input ("1 to insert edge In 2 to display
Distance Vector
$i\int_{\mathbb{R}} x = 1:$
fr = mt (input ("Enter Source"))
to = int (input (" Enter dest : "))
wt = int (input("Enter weight:"))
g. addFdge (fr, to, wt)
x = 0
else:
for i in range (5):  g. bf Algo (i)
g. bfAlgo(i)
de students
ayes
4