Network: class

> def - init - (sey, n): Sey. matrix = [] Sey. n=n

addlink (Self, u, v, w): Self. matrix. append ((u,v,w))

def Printtable (Sey, dist, Sxc):

Paint ("Rowling Table of NUDE & 3". format (chr(ord('A') + Src)))

Print (" for It fig". format (" Derkination", "Cost"))

for i in range (Sey, n):

Print ("fo]/t {13". format (chr (ord ('A')+i), dist[i]))

det algor (Self, Src):

dist = [99] * Self in

dist[sxc]=0

for - in range (Self. n-1):

for u.v.w in Seff. matrix:

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

dist(v) = dist(u)+w

Self. Print table (dist, src)

Har Link is

det maints: matrix= () Print (" Enter No. of Nodes!") n = int (input()) Point (" Enter distance matrix:") for i in range (n): m = list (map(int, input(). Split (""))) matrix, append(m) g = Network (n) for i in range(n): for i in range (n): if matrix (i) [j] == 1: g. addlink (i,i,1) for - in range (n): g. algor (-)

main ()

Abhisler