class fragh ():

def _init_ (self, vertices):

self. V = vertices

self. graph = [[o for column in range (v)]

for row in varye (v)]

def print-solution (self, dist):

print ("Verten It Distance from Somee")

for node in range (self, V):

print (node, "It", distance node))

def nuin-distance (self, dist, spt Set):

nuln = 9999

for v in range (Celf.v):

if dist[v] c nuln and spt Set [v] == False:

nuin = dist[v]

nuin-in = v

return nuin-inden

def add-edge (sey, see, deet, neight):

sey. graph[see][dist] = sey. graph[dest][see]

= weight

def dijstra (sey, src):

dist=[9999] + sey. V

dist [src] = 0

Spt Set = [False] * sey. V

Jan cont in rouge (sey.V):

u=sey. nuin-distance (dist, spt Set)

spt Set [u] · True

for v in range (sey.V):

if self. graph [u][v] > 0 and spt Set [v]

== False and obit [v] · dist[u]

+ self. graph [u][v]:

dist [v] · dist[u] + self. graph [u][v]

self. print-solution (duit)