class fragh ():

def _init_ (sey, vertices):

sey. V = vertices

sey. 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 min = distance (self, dist, spt Set):

nuch = 9999

Jon v in range (Self.v):

if dist[v] c much and sptSet[v] == False:

nuin = dist[v]

nuin = in = v

return min = inden

def add-edge (sey, see, deet, weight): sey. graph [see] [dist] = sey. graph [dest][see] = weight def dijstra (sey, src):

dist=[9999] + sey. V

dist [sre] = 0

spt Set - [False] + sey. V

Jan cout in rouge (sey.V):

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

spt Set [u] = True

for v in rouge (sey.V):

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

== False and dist[v] > dist[u]

+ sey. graph [u][v]:

dist [v] = dist[u] + sey. graph [u][v]

Self. print - solution (duit)