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07/12/2020
Monday
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Lab 8 Writery Asyiun A.S 10M18cs019

Dijkstrais Algorithm in Networking

(V.b. .

dass Network:

Let of nodes

dy - init -- (sey, nodes, graph):

self. V= nodes

self. graph = graph

function to point the network def print Table (sey, dist, sow, path):

print (" Shottest path Table of {}".format (chr (ord (A') + sre)))

for node in range (self.V):

print (for this t [2] ". format (chrord ('A')+ node), dist [node],

path [node])]

dy min Distance (self, dist, sptSet):

min = MAXSIZE

for v in range (self. V):

if dut[v] < min and sptSet[v] == False:

mir = dist[v]

min-index = V

return min-index

def dijkstra (self, sou):

dut = [MAXSIZE] * self. V

dist [suc] = 0

sptSet = [False] * self. V

path = {}

Asyr of B