0/1/11/2020 Triveni.y CN -lab PAGE No: DATE: / / of motiongers singlisted transformed compute shortest path for a given Popology Emport sys class brook. det - 2017 (3001, vertices): Self. V = vertices self. graph = [To for column in range (gersices) you som ge Lando (nesticos) det print So luction (self, dist): print ("Vertex 1 & Distance from Source") for node in range (self, N): print (node, Jult", dist[node]). 1A

	det mindistance (solf, dist) Sp. 429):
12 (*)	The state of the s
	min = sys. maxsize.
	for v in range (self: V).
	==[v] tel bas aim = [V] tell 7:
	False:
	(V) +250=0°m
	min_index=V
	return min-index
<u> </u>	E. W. L. Comments and the second seco
6.1.1	det déjkstra (self, src):
VXV P	
H	dist = [sys, max Size] * self. V
	dist[sxc] =0
	SPA Set = [ False] * self. V
-	Library Control Control
0 617	for cout in range (seef. V):
,	u= self. min Dissance ( dist, spt Set)
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	spt Set [w) = True
3	for v in targe (self. V).
	7
-	it self-graph[u][v] >0 and
2 2	et self. graph[u][v] >0 and spasse[v] ==False
	108

	Triveni, y
1. * 4. *	PAGE No: DATE: / /
	= and 0:24[v] > 0:24[u] + self. goaph[u][v]:
	dist(v) = dist[u] + @ self-graph[u][v].
	self. print Solution (die +)
	20