CN LAB 7/12/20 AKSHAY MITTUR 1BM18CSO1D Dijikstos Algerithm class Graph (): def \_int (set, vertices): self V= vertices self-graph = [[O for column in ronge (vertice)] for row in range (vertices) ] def print-solution (self, dist): for node in longe (self. V): print(node,"t", distance) de [ min dislage (self, dist, sptSet). for vin large (self-v)? if dist[v] k min and sptset[v] = ralse min = dist[v] min\_ndex=v rehun min - index det add-edge (self, sc, dest, weight). self.graph[sr.][dest] = self.graph[dest][src]=registed dijikska (self, src): dist = [9997] +self. V dist[src] =0 spt Set = [False] self. V for cout in lange (Self V)? u = self. min-distance (dist, sprSet) sprsettu J=True for vin range (seff. v): if self-graph[u][1] 20 and sotSet[v]==as and distlu] > distlu] + self-graph [w][v]

distlu] + self-graph [w][v]

O'j'Ksta Algo, (NLub Date Page self-print (dist) AKSHAY MITTOR BMISCSOLO g = Craph (int(input())) e = int(input()) for i in Engle):

Sr(, dest, cost = [int(-)for in input() split(')]

g.add-elge (sr(, dest, lost)

Gr(=int(input()) y. dijikstra (src)