LAD 10. Dijkstran Algorithm SHASHIDHAZ PATS 1BM1 MO99 Import sys class Graph: def = 109+ _ (self, vertice). self . U = VCMques self graph = [[0 for coloumn in range [versus]] for now in varge (seef. v). print (node, "It", ant(node)) def mindistance (self, dist, sphiet): min = sys. maxsiz for v in ronge (seef V): of distar < mm and sprisers = = faba: min = donteu] min-Indio=V return mmindes duf dijkstra (self, sn): dont = Dys. maxifu] + Soft.v dont on 300 splet = [Falsi] & Jeft. v for count in ronge(self-V): Uz Seef. min Distance (dist, spirst) sptset [v) = Tru for v mrony (self. v): of self graph [u][v] >0 and sphet ti) == False and dAS(v) styru + f.graph Euglus: donter) = donter) + Jelf-graph toists Seef. philodetis (In)