Dikstan's Algorithm of Routing Krushna prasad V 1 DH1/(1047 ((right (): del sinit_ (sell, vertice): sell. V = valices self, glagh: [[0] [of column in large (vertices)] for sow in ray (vertices)] del print_solution (sell, dist): print ("Vertex It Distance from source") of node in manage (self. V):

Paint (node, "t", dust [node]) min = distance (sell, hist, spt Set): min = 9999 v in range (sell, v): if dist [v] < min and spt set [v]: False: min : dist [v] min_index : V setuan min_index addedy (self, se, sot, weight): Self. graph [uc] [dot). Self-glaph [defTste]: weight dikslan (sel), ac). de dist = [9999] * sell. V O = [one] tend spt Set-[False] + sell. V

on cost in roty (sell-v):

V = sell min-distance (dist, spt-set)

soft set [v] = Tave

on V in samp (sell-V):

il sell graph [v][v) 70 and spt-set [v] = false and

sust [v] > dist [v] + sell graph [v][v]:

dist [v] = dut [v] + sell graph [v][v]:

sell print-solv Im(dist)

g = (seaph (int (input)" Enter number of roles on the topology")))

c = int (input)" Enter number of roles on the topology")))

or in samp (c):

SAC, bot, nort - [int (-) for - In ingrit ("Enter Exha) [Divis) ("Warders).

Split ("')

g. add-edy (sic, det, cost)

g. dijksten (soc)