Write up: Class Network: def :init_ (self, n): Seff. matrix > 1) Self. n = n def linkadlself, v, v, w): Self. matrix.append (u, v, w) de f print The Table (self, dist, sx): print ("Router table entries for noute 52" format (chr(ord (4)) +1) print ("Sod (7) - format (" Dest", "Cost")) for i in range (sef. n): print ("So)) + (1?". format (chr (od ('A')+i), dist(i))) def solution (self, src): dist = [99] * self.n dist (src) =0 for in range (set n=1): for u, v, w in self-matrix: if dist [u]!=91 and dist[u]+wedist[v]: dist[v]=dist[u]+w Self. print the Table (dist, sxc) matrix =[] n = int (input ("no. of router")) print ("Adjacency matrix") for i in range (n): row = list (map (int, inpud (). split (" "))) matrix. append (now) g= Network (n) for in range (n):

_		DATE:	PAGE:
	for j in range(n):		
	it matrix list(j) == 1:		
	g. link add (i,j,1)	i.	
	for in range (n):		
	g. solution (i)		
-			
+	Puput:		
-	no. of routex: 3		
	Adjacency matrix:	-	
-	0 1 99		
	99 0 1		
3	1 11 0		
	Router Talk entries for souter A		
	Dest Cost		
	<u>L</u> 6		
	B		
	C 2		
	Route Table Enteres for souter B		
	Dest Cost		
	A 2		
	<u>B</u> 0	Ger	
	C		
	Route Table entires for router (
	Dest-Cost		
	Δ Ι		
	B 2		
	C 0		