Distance rector Algorihm Shikha-N The nlw is represented as a Directed Graph] 1 BM1805149 lass Network: dej init - (selfin). sey mat = [] seif. n=n. des add - edge (sey, s,d, w): sey. mat. append (15,d,w)) def print-path (self, dist, sre): Print (" Router table of of & ". format (sie)) for i in range (sey. n): print ("for tt & 17". format (i, discis) def DV-algo (Self, Stc): dist = Taa] * Sey. n dist [Src] = 0 Jor - in range (sey. n-1)= Jos s, d, winsey- nat. is dist [s]!=99 and dist[s]+W < distEd]: dist[d]= dist[s]+w sey. print-path (dist, sxc) n=int (input (11 Enter No. of Routers: ') del main () pirt (" Enter the Adjacency nation: ") how: list (map (int, input (). split (" "))) Ja i in range (n): matrix append (row) Shikhan -

g = Network (n) jor i in range (n): for; in ronge (n): if matrix [D(j) ==1: g. add - edge (i, i, 1) Jain range (n): godino g. DV-algo (i) + bistance vector routing protocol Determines the best / Shockest conte Jos packets based on the no. of routers it has to pass (one Louter counts as One hop) using Bellman-Ford Algorithm which researche determines The minimum distance from Source to destination node directly or by passing through intermediate nodes. Longo min (Day 9] S'ample Caslo n=4 ABCD matrix=AD1999 3109999 C 1 99 0 P 99 99 1 0 utel for A O I 99 (1201 5 heli