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Pistance Vector Algorithm to find ruitable path
 for teans nussion
 elan yeaph:
       old -init- (self, vulius):
             sey · V = vutius
              self. graph=[]
        def ordd-edge (self, s,d,w):
              self. graph. append ( [s, d, w])
         dy print_solution (self, dista; orc):
               print (" Vecter Distance from " forme")
                   i in sange ( self. V):
                     print (" [03/t/t 513". format
                              (i, diat(i)))
              bellman_ford (self, suc):
                elist = [ float ("gn")] * self: V
                 dist [sxc] = 0
                 for _ in range (self. V-1):
                          s, d, w in self-graph:
                           if dist[s] != float ("9n/")
and dist[s] + w < dist[d]
                                  dist [d] = dist[s]+w
                      s, d, w in self-graph:
                      if dist[s] != Bloat ("Inf") and
                             dur [stow edist[d]:
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print ("lyceth contains negative weight cycle")

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OD DOOR
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retur

self. point\_solution (dist &, src)

def main ():

matrix = [ ]

point ("Enter the no. of nodes")

n = int (input())

print ( "Enter the adjacency matrix")

for i in range (o,n):

a = list conap (int, input(). julit (" ")))

metaix. append (a)

g = George (n)

for i in renge (o, n):

for j in range (0,n):

| mateix [i][j] = -1 g.adel-edge (i, j, 1)

for k is range (0, n): point (" For rectu", E)

g. bellmen - ford (k)