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Emp - 9
                                                    VAISHNAV.S
   Question: Use distance vector abgouters cte
                                                    113M18CS121
find distance between all laints in the given
 -topology.
  Dun:
    clour.
    Clas topology:
               dy - ent - (bet avoing - of - nodes);
                Self node = avorage of - nodes.
                   Suf. edges =[]
            dept add-died - countrain ( hel , P, 1, P2 cost );
              buf. edger rappend ((PI,P2 Cost)).
               Sel edge append ((P2) P1 cost ))
     dustance - Vector - growting ( Self );
      dist = coultre defaut dict (eint)

nent - hop = d cond: node y.

outer - node ein sey nodes;
                 if other - node ! = nod;
                  dest. father - node = 10000000
         in surray (dur (det - nod - 1);
            for edge in by edger;
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Sri dest, cost = edge. if dist [SVC] + Cost L dist [dell]; dist [dist] = dist [src] + Cost il (Src == nod; nent \_ hop (dest ] = dest. elil frc in next = hop; Set buit - nouting - tabl (nede , deit, nert-h)) Court () dept buit souting - table (I), node dest rent - hop); buint (f' Routing table for I node &: ') built ('lest it Cost It New top)) for dest, cost endst ilus (); Buil (f' & dest y t & Cost & t & ment = hp. nodes = upt ("Enter the node" ) Sphit () + = topology (nodes edges = int (unput ("Enter the number of correction;) for = in grange (edges); Src, dest, cost = expet ("Enter [ Src] [dest ] (cost] !) to add-direct - Committeen (SVC) dest, with (cont).