```
class Network ():
del _int -- (self, nodes)
        self graph: [[o for column in range (nodes)] for row in range (nodes)]
       self. V = nodes
  def point Table (self, dist, svc, path).
          Print (" Shortest path:")
            for node in range (self. V):
                           print (dir [node], node)
   def min Distance ( Self, dist, spt Set)
                min = sys-marsize
                 for vin range (self. v):
                       if (dister) < min and spaseter) == false):
                                  min = dist[v]
                                   min_index = V
                   return min-index
            di kstra (self, Src):
     def
                 dist = (sys:maxsize) * self.v
                  dist[Src]=0
                   Spt Set = [false] " self. V
                   path = {}
                   for - in range (self v):
                           path [-] = []
                    for count in romage (self. V).
                               U= self, mindritance (dist, spt Set)
                               sptSet[v]=true
                          v in range (self.v):
                           if self graph [v] [v] [v] > 0 and soft set [v] = = falle and
                                dist[v]> dist[v]+ sel glaph[v][v] &
                                    dist[v] = dist[v] + self graph [v][v]
                                  V== Src:
                                      path[v]. append (chr(ord(A)+V))
                                      path (V), append (chr(ord("A") + v))
                               elre
                                       path [N). append (dr (ord ('A') + V))
```

Self. Print Palole (dist, Suc, pater)