Kajath M.K (N Lat 10 - Dijkstras 1 BM1801079 #include < ctdio. h> # define V9 int min Pist (int dist[], bool sptset(]) int min = INT_MAX, min-index; for (int v: 0; V< V; V++) { if (sptfet[v]= & folse { q dist[v] &= min) { min = dist(v), min-index = V return min-index; void grint Solution (int dist [])5 grints ("when It It Distance from sorce in) for int i= 0 ; i dy; itt) bent ("x.J"; 124(1)) void dijkstras (int sraph [WI[v], intsrc) { int dist [v]; Gool Spt set (V) for (int 1:0) 1 < v; it) { dist [i]: INT_MAX, SPIS et [] = false.

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    dist [sic] = 0
  for (int count = 0 ; count < V-1; count +4) {
        int u= min Distance (dist spotset).
        sptSet (u)= tree;
     for ( int v= 0, v< V; v+1)p
          if (! spt Set [v] &q graph [v] [w] qq dit[v]
                       ! = INT_MAX
          Eg distlu] + graph Cullul < dist [v])
             dis tru) = distru] + graph[u][v],
   Print Solution ( dist).
int main() {
    int graph [v][v];
    Cost & center graphi
    soci=011 < Vi i++)5
      for (j=0/ j < V; j++) (
              cir >>graph[][j]
 dif kstral graph, o);
```

return 01

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