Boutch 3

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Dijksha's Algorithm to compute shortest path
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```
#fullade < bits (stde ++. h>
  wing namespace stol;
  #define v 9
   int min Distance (int dist (), bool spisor()
      int min=9999, min-index;
          for (int v=0; v<V; v++)

if (Sp+Set (v) == fake as dist[v] <= min)

min = dist[v], min_index=v;
              Juturn min-index;
          3
(iti), Estencep the Integrand bior
          if (parent[j]==-1)
suhwin;
             printporth (parent, parent (j));
             contecjec "";
     int printsolution (int dist [], int n. int parent [])
         E
             int Src=0
            cout ce" Verfex It Distant It pouth'ccendl;
             for( " 1 =1; KV; i++)
            contec" In" Lessice ">" ce i ce "It It "Le distri]
                 LC" ItIt" LCSTCLC End 1;
                 poor print path (parent, i).
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```

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1BM19CS403 dijkistra (int graph(VTV); int sou) CHIRANJEEVI 3 int dist[v]; bool Spreuting; illtereog tri for (Port 1= 0; iLV : i++) paint[0]=-1; dist[i]=9999; sptsertil= fake; S dist [src]=0: for (int count =0; count < V-1; wunt++) int v = minDistane (dist, Sptset) sp+set (u)= true; for (int v=0; VEV; V+A) of (i spreeter) & 4 group heuder) and distend + grouphed (v) z dist [V]) pount [v] = U; dist(v) = dist[u] + grouph[v](v]; printsolution (dist, riparent): 3

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