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Dijksha's abjorithm to compute shoutet path
#include (bits/stdett.h)
 wing namespace std:
 # deline V 9
  int minDistance (int dist[], bool spt set[])
  {
     int min = 9999, min-idex;
     fa (int v=0; v < V ; v++)
           il ( stret (v] == false ++ dist(v] (= min)
                 min = dist [V], min_index = V;
      return min-induci
  void PrintPath (int parent[], int i)
      il (parent [i] == -1)
           return;
      paint Both ( parent, parent (i));
       oul << i << " ";
   3
  int printsolution (int dist(), int n, int parent[])
  8
     int shc = D;
     love (c" Yestex It Distance It Posts " (c end);
     for (int i=1; ix V; i+)
         Cout (c" In" cc she ce" →" cc i (c" th it" cc dit(i) cc" let"
               << suc <cendl;</pre>
          print Path (parent, i):
```

```
void dijlota (int graph [v] (v] int she)
   : [V) fish for
   bool splace [v]:
    int parent (VI)
    la (int ?=0; (LV; (++)
        parent(0] = -1:
        dist [i] = 9999;
        spased [i] = lalse?
     did [sac] = D!
     fa lint count = 0; count < U-1; count ++)
         int u= minDistance (dist, sptset);
          sptiet[v] = true:
          las (int v = 0 ; v < V ; v++)
                il (: spliet[v] Il graph [v] [v] Il diro[v] + prob[0][0]
                           gaph [v][v] < dist[v])
                    Parent [v] = U;
                   dist(v] = dist(v] + grap) (v](v];
       part solution (dist, v, parent):
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