1334. Find the City With the Smallest Number of Neighbors at a Threshold Distance

```
Dijkstra algorithm
  Time complexity: O(V+V(ElogV)+V)=O(V+VElogV+V)=O(n^3)
  Extra space complexity: O(2VE+3V)
*/
typedef std::pair<int,int> ii;
typedef std::vector<ii>vii;
typedef std::vector<vii>vvii;
class Solution {
  public:
    vvii graph;
  public:
    void build_graph(int n, std::vector<std::vector<int>>& edges){
       graph.resize(n);
       for(auto& edge: edges){
         graph[edge[0]].push_back({edge[1],edge[2]});
         graph[edge[1]].push_back({edge[0],edge[2]});
       }
     }
```

```
int dijkstra(int n,int start,std::vector<bool>& visited,int distanceThreshold){
       std::priority_queue<ii,vii,std::greater<ii>> q;
       q.push({0,start});
       while(!q.empty()){
          auto [dist,u]=q.top();
          q.pop();
          if(visited[u]) continue;
          visited[u]=true;
          for(auto& neighbor: graph[u]){
             int v=neighbor.first;
             int w=neighbor.second;
            int d=dist+w;
            if(d<=distanceThreshold) q.push({d,v});</pre>
          }
       }
       int cnt=-1;
       for(int i=0;i<n;++i) if(visited[i]) cnt++;</pre>
       return cnt;
     }
     int findTheCity(int n, std::vector<std::vector<int>>& edges, int distanceThreshold) {
       build_graph(n,edges);
       std::vector<int> citie_neighbors_count(n);
       for(int i=0;i< n;++i){
          std::vector<bool> visited(n,false);
          citie neighbors count[i]=dijkstra(n,i,visited,distanceThreshold);
       }
       int
min_number=*std::min_element(citie_neighbors_count.begin(),citie_neighbors_count.end());
       for(int i=n-1; i>=0; i--){
          if(citie_neighbors_count[i]==min_number) return i;
       }
       return -1;
     }
};
```