```
1D- Dijkstra:
                                                                          long long cst = dis[u.city];
Given the description of some roads print the case
                                                                          for(long long i=0; i < edge[ct].size(); i++)
number and the minimum distance Tanvir has to travel to
reach Atiq's house. If it's impossible, then
print 'Impossible'.
                                                                             v.city = edge[ct][i];
          Code:
                                                                             v.costt = cost[ct][i] + cst;
#include < bits / stdc++.h>
                                                                             if(v.costt<dis[v.city])
using namespace std;
vector<long long >edge[1005],cost[1005];
                                                                               dis[v.city] = v.costt;
#define inf 0x3f3f3f3f
                                                                               pq.push(v);
long long dis[1005];
class node
public:
                                                                       return dis[des];
  long long city,costt;
  bool operator < (const node & b)const
                                                                     int main()
     return costt > b.costt;
                                                                       long long t,w=0;
};
                                                                       scanf("%lld",&t);
long long dijkstra(long long src,long long des)
                                                                       while(t--)
  for(long long i = 0; i < = 1004; i++)
                                                                          long long nod,edg;
     dis[i] = inf;
                                                                          scanf("%lld %lld",&nod,&edg);
  priority_queue<node>pq;
                                                                          while(edg--)
  node u,v;
  u.city = src;
                                                                             long long f,t,c;
  u.costt = 0;
                                                                             scanf("%lld %lld %lld",&f,&t,&c);
  pq.push(u);
                                                                             edge[f].push_back(t);
  dis[src] = 0;
                                                                             edge[t].push_back(f);
  while(!pq.empty())
                                                                             cost[f].push_back(c);
                                                                             cost[t].push_back(c);
     u = pq.top();
                                                                          }
```

long long f,t;

//cin>>f>>t;

pq.pop();

long long ct = u.city;