void Dijkstra()  
{  
 //memset(cost,inf ,sizeof(cost)) ;  
  
 priority\_queue<pii, vector<pii>, greater<pii> > Q;  
  
 cost[1] = 0 ;  
 Q.push({cost[1],1}) ;  
  
 while(!Q.empty() )  
 {  
 pii top = Q.top() ;  
 Q.pop() ;  
  
 LL c = top.first ;  
 LL u = top.second ;  
  
 for(int i = 0 ; i<graph[u].size() ; i++)  
 {  
 pii next = graph[u][i] ;  
  
 LL cx = next.second ;  
 LL v = next.first ;  
  
 if(cost[v] > cost[u] + cx )  
 {  
 cost[v] = cost[u]+cx ;  
 path[v] = u ;  
 Q.push({cost[v],v}) ;  
  
 }  
 }  
 }  
  
}