* DIJKSTRA WITH PRIORITY MIN\_HEAP IMPLEMENTATION RETURN WHEN DESTINATION ACHIEVED.

#include<bits/stdc++.h>

#define pii pair<int,int>

#define INF 10000000

using namespace std;

vector<pii> adj[10001];

int n;

int dijkstra(int src,int dest)

{

int dist[n+1];

for(int i=0;i<n+1;i++)

dist[i]=INF;

priority\_queue<pii,vector<pii>,greater<pii>> pq;

pq.push({0,src});

dist[src]=0;

while(!pq.empty())

{

int x=pq.top().first;

int y=pq.top().second;

pq.pop();

# if(y==dest)

# return dist[dest];

for(auto child: adj[y])

{

if(child.second+dist[y]<dist[child.first])

{

dist[child.first]=child.second+dist[y];

pq.push({dist[child.first],child.first});

}

}

}

return dist[dest];

}