**#include** <bits/stdc++.h>

**#define** pii pair<**int**,**int**>

**#define** fi first

**#define** se second

**const** **int** maxn=1e5+5;

**using** **namespace** std;

**int** n, m, s, t;

**vector** **<pii>** E[maxn];

**int** D[maxn],Trace[maxn];

**void** Dij()

{

memset(D, 0x3f, **sizeof**(D));

D[s] = 0 ;

**priority\_queue<pii>** q;

q.push({-D[s], s});

**while**(!q.empty())

{

**int** u = q.top().se ;

q.pop();

**for**(**int** i = 0 ; i < E[u].size() ; i++)

{

**int** v = E[u][i].fi;

**int** w = E[u][i].se;

**if**(D[v] > D[u] + w)

{

D[v] = D[u] + w;

Trace[v]=u;

q.push({-D[v], v});

}

}

}

}

**int** main()

{

ios\_base::sync\_with\_stdio(0);

cin.tie(0);

cout.tie(0);

cin >> n >> m >> s >> t ;

**for**(**int** i = 1 ; i <= m ; i++)

{

**int** u, w, v;

cin >> u >> v >> w ;

E[u].push\_back({v,w});

E[v].push\_back({u,w});

}

Dij();

cout << D[t];

}