Floyd

```cpp
#include <bits/stdc++.h>
using namespace std;

const int N = 505;
typedef long long ll;
ll d[N][N];
int n, m;

void floyd(){
    for(int k = 1; k <= n; k++){
        for(int i = 1; i <= n; i++){
            for(int j = 1; j <= n; j++){
                d[i][j] = min(d[i][j], d[i][k] + d[k][j]);
                d[j][i] = d[i][j];
            }
        }
    }
}

int main(){
    scanf("%d%d", &n, &m);
    memset(d, 0x3f, sizeof(d));
    for(int i = 1; i <= n; i++){
        d[i][i] = 0;
    }

    for(int i = 0; i < m; i++){
        ll u, v, w;
        scanf("%lld%lld%lld", &u, &v, &w);
        d[u][v] = min(d[u][v], w);
        d[v][u] = min(d[v][u], w);
    }

    floyd();

    for(int i = 1; i <= n; i++){
        for(int j = 1; j <= n; j++){
            printf("%lld ", d[i][j]);
        }
        printf("\n");
    }
    return 0;
}
```