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// Nguu Lang chuc nu (ung dung tim duong di ngan nhat)
#include <stdio.h>
#define MAXN 1000
#define NO EDGE 0
#define INFINITY 9999999
// Graph
typedef struct {
    int u, v;
    int w;
} Edge;
typedef struct {
    int n, m;
    Edge edges[1000];
} Graph;
void init graph(Graph* G, int n) {
    G->n = n;
    G->m = 0;
}
void add_edge(Graph* G, int u, int v, int w) {
    G\rightarrow edges[G\rightarrow m].u = u;
    G\rightarrow edges[G\rightarrow m].v = v;
    G\rightarrow edges[G\rightarrow m].w = w;
    ++G->m;
}
int pi[MAXN];
int p[MAXN];
void BellmanFord(Graph* G, int s) {
    int i, j, it;
    for (i = 1; i \leftarrow G->n; ++i) {
         pi[i] = INFINITY;
    }
    pi[s] = 0;
    p[s] = -1;
    for (it = 1; it < G->n; ++it) {
         for (j = 0; j < G->m; ++j) {
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int u = G->edges[j].u;
            int v = G->edges[j].v;
            int w = G->edges[j].w;
            if (pi[u] + w < pi[v]) {</pre>
                pi[v] = pi[u] + w;
                p[v] = u;
            }
        }
   }
}
int main() {
    Graph G;
    int n, m, u, v, w, e;
    scanf("%d%d", &n, &m);
    init_graph(&G, n);
    for (e = 0; e < m; e++) {
        scanf("%d%d%d", &u, &v, &w);
        add_edge(&G, u, v, w);
    }
    BellmanFord(&G, 1);
    printf("%d", pi[n]);
    return 0;
}
```