#include <stdio.h>

#define inf (12345678987654321LL)

#define Min(a, b) ((a)<(b)?(a):(b))

typedef long long LL;

LL n;

LL g[310][310];

int main()

{

LL m, p, q, w, i, j, k;

scanf("%lld%lld", &n, &m);

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

for (j = 0; j < n; j++)

g[i][j] = inf;

for (i = 0; i < m; i++)

{

scanf("%lld%lld%lld", &p, &q, &w);

g[p-1][q-1] = -w;

}

for (k = 0; k < n; k++)

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

for (j = 0; j < n; j++)

if (g[i][k] < inf && g[k][j] < inf)

g[i][j] = Min(g[i][j], g[i][k]+g[k][j]);

p = 0;

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

{

for (j = 0; j < n; j++)

if (g[j][j] < 0 && g[i][j] < inf && g[j][i] < inf)

g[i][i] = -1;

if (g[i][i] < 0)

p++;

}

printf("%lld\n", p);

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

if (g[i][i] < 0)

{

printf("%lld", i+1);

p--;

if (p)

putchar(' ');

}

putchar('\n');

return 0;

}