# **Easy Graph**

Given an undirected graph which contains n vertices and m edges. Find the adjencent matrix for the given graph.

## Input

The first line contains two integers n and m ( $1 \le n \le 1000, 0 \le m \le \min(10^5, n^*(n-1)/2)$ )

Each line in the next m lines contains three integers u, v and w (the edge between the two vertices u and v is weighted w). ( $1 \le u$ , v,  $w \le n$ ). It is sure that there is at most one edge between any two vertices.

## **Output**

The required matrix

### **Example**

#### Input:

32

122

233

#### **Output:**

020

203

030