# Elective

## Description

New term is beginning, and students start to choose courses for their graduation. There are N courses and M students. There is no limit on students’ number, so students can chose their favorite as possible as they can, but School has a problem that if a course has a lots of students, it must be taught in a big classroom. So school should count out the status of students' chosen.

## Input

There are several test cases, in each case the first line contains two integer N, M (1<=N, M<=1000). The courses are numbered from 1 to N, and students are numbered from 1 to M. Then M line follow, each line begin with an integer C, indicates how many courses have been chosen by student-i, and then follows C integers ,indicate the course number.

Proceed to end of file.

## Output

For each test case, you should output N lines. The i-line will contains all the students who have chosen course-i; the output order of student is order by student number. There is a space between each two students.

## Sample Input

5 5

2 1 5

4 5 3 2 1

0

3 1 2 3

1 1

## Sample Output

1 2 4 5

2 4

2 4

1 2