## Problem C: Games Are Important

One of the primary hobbies (and research topics!) among Computing Science students at the University of Alberta is, of course, the playing of games. People here like playing games very much, but the problem is that the games may get solved completely-as happened in the case of Checkers. Generalization of games is the only hope, but worries that they will be solved linger still. Here is an example of a generalization of a two player game which can also be solved.


Suppose we have a directed acyclic graph with some number of stones at each node. Two players take turns moving a stone from any node to one of its neighbours, following a directed edge. The player that cannot move any stone loses the game. Note that multiple stones may occupy the same node at any given time.

## Input Format

The input consists of a number of test cases. Each test case begins with a line containing two integers $n$ and $m$, the number of nodes and the number of edges respectively. ( $1 \leq n \leq 1000,0 \leq m \leq 10000$ ). Then, $m$ lines follow, each containing two integers $a$ and $b$ : the starting and ending node of the edge (nodes are labeled from 0 to $n-1$ ).
 stones that are initially placed on node $i\left(0 \leq s_{i} \leq 1000\right)$.

Each test case is followed by a blank line, and input is terminated by a line containing ' 00 ' which should not be processed.

## Output Format

For each test case output a single line with either the word 'First' if the first player will win, or the word 'Second' if the second player will win (assuming optimal play by both sides).

## Sample Input

00

## Sample Output

First
Second

Mohammad Reza Khani

