# Problem C: Maze

Time Limit: 1 Sec  Memory Limit: 128 MB
Submit: 0  Solved: 0
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## Description

Yuki is a careless girl and she is designing mazes.

A maze consists of $n$ rooms and $m$ passageways. The rooms are numbered from 1 to $n$ and all the passageways are **unidirectional**, that is the passageway from room $u$ to $v$ **cannot** be passed from room $v$ to $u$. Besides, to avoid tourists being trapped in the maze, all the rooms should be connected, that is for every pair of integers $(u, v)$ such that $1 \le u, v \le n, u \ne v$, there should be a path from room $u$ to room $v$.

Yuki has already designed a "maze". However, due to her carelessness, you need to check whether the maze she designed is a **real** maze, that is all the rooms in her maze are **connected**.

## Input

The first line contains two integers: $n$ and $m$ ($1 \le n, m \le 200\,000$) --- the number of rooms and passageways in the maze.

Each of the next $m$ lines contains two integers: $u$ and $v$ ($1 \le u,\ v \le n$), meaning that there is a unidirectional passageway from room $u$ to room $v$.

## Output

If all the rooms in the maze are connected, print “Bravo” (without quotation).

Otherwise print “ovarB” (without quotation).

## Sample Input

```
3 3
1 2
2 3
3 2
```

## Sample Output

```
ovarB
```

## HINT

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