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URI 1955

SOLVED | SUGGESTION | FAVORITE | DESCRIPTION | RANKING | FO

GRAPH | **LEVEL 5** | + 5.7 PONTOS | BASE TIME LIMIT: 1 SECOND | MEMORY LIMIT: 200 MB

PROBLEM
1955

LANGUAGE
C++17

URI Online Judge | 1955

See World

By Leandro Zatesko, UFFS 🇧🇷 Brazil

Timelimit: 1

Under the orientation of Professor Graziela Tonin, the students of Topics on Software Engineering are developing a system to help *See World*, the new theme park in town, allocate orcas in two huge tanks. The orcas have particularly a very complex social hierarchy, of at least 4 levels, and it is curious that orcas are capable of vocalising different dialects, depending on the level of the social hierarchy by which they are related to their interlocutor. One of the hardest difficulties about maintaining orcas in captivity is that, if two orcas are put together in a same tank but they speak no dialect in common, they will eventually fight, for they do not understand each other and they come from totally different cultures. Sometimes they can suffer severe injuries or even die. Thus, *See World* wants to allocate its orcas in its two tanks in such a way that, if two orcas are allocated in a same tank, it is guaranteed that they share at least one common dialect.

Input

The first input line consists of an integer **N** ($1 \leq N \leq 10^3$), which represents the number of *See World*'s orcas. By the way, each *See World*'s orca is represented singly by a single code between 1 and **N**. Each one of the **N** lines following consists of **N** integers, so that the **j**th integer of the **I**th line ($1 \leq i, j \leq N$) is 1 if the orcas of codes **i** and **j** share at least one dialect or 0 otherwise.

Output

Print a line containing singly the expression **Fail!** if it is not possible to allocate the orcas in the tanks as desired or the expression **Bazinga!** if it is possible.

Input Samples	Output Samples
5 1 1 1 1 0 1 1 0 0 1 1 0 1 1 0 1 0 1 1 1 0 1 0 1 1	Bazinga!
5 1 1 0 1 0 1 1 0 0 1 0 0 1 1 0 1 0 1 1 1 0 1 0 1 1	Fail!

2nd Daytime UFFS Graphs Programming Contest - 2015

SOURCE CODE

```cpp
#include <iostream>

using namespace std;

int main() {

    /**
     * Escreva a sua solução aqui
     * Code your solution here
     * Escriba su solución aquí
     */

    return 0;
}
```

CODE YOUR SOLUTION AND SUBMIT!