

# Jadu Matrix

Problem

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## Problem Statement

You will be given a matrix of size  $N * M$ . You need to tell if it is **Jadu Matrix** or not.

**Note:** A Jadu Matrix is a square matrix, where the values of primary diagonal and secondary diagonal are 1. Rest of the cell will contain only 0.

## Input Format

- First line will contain **N**, the row and **M**, the column of the matrix.
- Then the  $N * M$  sized matrix will be given.

## Constraints

- $1 \leq N, M \leq 100$
- $0 \leq \text{Values} \leq 100$

## Output Format

- Output **"YES"** if the matrix is Jadu Matrix, otherwise output **"NO"** without the quotation marks.

## Sample Input 0

```

5 5
1 0 0 0 1
0 1 0 1 0
0 0 1 0 0
0 1 0 1 0
1 0 0 0 1

```

## Sample Output 0

```

YES

```

## Sample Input 1

```

5 5
1 0 0 0 1
0 1 0 1 0
0 0 0 0 0
0 1 0 1 0
1 0 0 0 1

```

## Sample Output 1

NO

### Sample Input 2

```
5 5
1 0 0 0 1
0 1 0 1 0
0 0 1 0 1
0 1 0 1 0
1 0 0 0 1
```

### Sample Output 2

NO

### Sample Input 3

```
5 5
2 0 0 0 1
0 1 0 1 0
0 0 1 0 0
0 1 0 1 0
1 0 0 0 1
```

### Sample Output 3

NO

### Sample Input 4

```
6 6
1 0 0 0 0 1
0 1 0 0 1 0
0 0 1 1 0 0
0 0 1 1 0 0
0 1 0 0 1 0
1 0 0 0 0 1
```

### Sample Output 4

YES

[f](#) [t](#) [in](#)

Submissions: [309](#)

Max Score: 20

Difficulty: Easy

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C



```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
```

```
4 #include <stdlib.h>
5
6 int main() {
7
8     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     return 0;
10 }
11
```

Line: 1 Col: 1

 [Upload Code as File](#) ☐ **Test against custom input**

Run Code

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