



HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP RAYAN 🛣 P

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

# B. The least round way

time limit per test: 2 seconds memory limit per test: 64 megabytes

There is a square matrix  $n \times n$ , consisting of non-negative integer numbers. You should find such a way on it that

- · starts in the upper left cell of the matrix;
- each following cell is to the right or down from the current cell;
- · the way ends in the bottom right cell.

Moreover, if we multiply together all the numbers along the way, the result should be the least "round". In other words, it should end in the least possible number of zeros.

## Input

The first line contains an integer number n ( $2 \le n \le 1000$ ), n is the size of the matrix. Then follow n lines containing the matrix elements (non-negative integer numbers not exceeding  $10^9$ ).

## Output

In the first line print the least number of trailing zeros. In the second line print the correspondent way itself.

#### Examples



# **Codeforces Beta Round 2 Finished**

Practice



## → Virtual participation

Virtual contest is a way to take part in past Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you solve this problem in the archive. Never use someone else's code, read the tutorials or someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

## → Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest



→ Last submissions				
Submission Time Verdict		Verdict		
316087784	Apr/18/2025 15:31	Accepted		
<u>316087050</u>	Apr/18/2025	Wrong answer on		

→ Problem tags	
dp (math) *2000	
	No tag edit access

<b>→</b> (	Contest materials	
	Codeforces Beta Round #2	36
	Tutorial #1	36
	Tutorial #2	36

Codeforces (c) Copyright 2010-2025 Mike Mirzayanov The only programming contests Web 2.0 platform Server time: Apr/18/2025 14:31:52<sup>UTC+2</sup> (k1). Desktop version, switch to mobile version. Privacy Policy | Terms and Conditions

Supported by



