

### E. Create a team

time limit per test: 2 seconds  
memory limit per test: 256 megabytes

In Your faculty, there is  $N$  student's some of them can work with each other, but not all of them can work with each other. your job is to create a team from them such that all of its members can work with each other

**Input**  
First line contains an integer  $N(1 \leq N \leq 20)$

Then  $N$  lines, each line i contains  $N$  integers where  $j_{th}$  integers equal 1 if  $i_{th}$  student can work with the  $j_{th}$  and 0 otherwise

It's guaranteed that the  $i_{th}$  integer in the  $i_{th}$  line well be 1

**Output**  
The first line print integer  $k$  the maximum number of students all of them can work with each other  
The next line contains  $k$  integers the number of each student in the team

If there are multiple solutions print any of them

#### Example

input	Copy
7 1 0 1 1 0 0 1 0 1 0 0 0 1 0 1 0 1 1 0 0 1 1 0 1 1 0 1 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0 1 0 1 1 0 0 1	
output	Copy
4 1 3 4 7	

**Note**  
If there are two students  $a$  and  $b$ , it is possible that student  $a$  can work with student  $b$ , but is not guaranteed that student  $b$  can work with student  $a$

ICPC Assiut University Training - Juniors Phase 1 Sheets-2022

Public

Participant

→ Group Contests

• Juniors Phase 1 Practice #5 (Bitmask, Bitset, Bits)

• Juniors Phase 1 Practice #4 ( Binary search , Two pointers )

• Juniors Phase 1 Practice #3 ( STL 2 )

• Juniors Phase 1 Practice #2 ( STL 1 )

• Juniors Phase 1 Practice #1 ( Prefix sum , Frequency Array )

Juniors Phase 1 Practice #5 (Bitmask, Bitset, Bits)

Finished

Practice

→ About Time Scaling

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the link.

→ Virtual participation

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 communicate with other person during a virtual contest.

Start virtual contest

→ Submit?

Language: GNU G++20 13.2 (64 bit, win

Choose file: Choose File No file chosen

Submit

→ Last submissions

Submission	Time	Verdict
<a href="#">228461293</a>	Oct/16/2023 21:37	Accepted
<a href="#">228457194</a>	Oct/16/2023 20:59	Accepted
<a href="#">228452966</a>	Oct/16/2023 20:22	Wrong answer on test 2