The contest is in progress. It ends about 9 hours from now.

Problem_AQ

Last September, IBM research Ponder-This challenge was to provide only a winning strategy for Bob (see http://bitly.com/Alice-Bob-Casino for details), since Alice's strategy is too big. Can you write a program which checks a solution?

Input

The number N in the first line, the number M in the second line and then 2**N lines of N bits each

Output

A single bit:

```
0 if there is no compatible strategy for Alice (wring solution)
1 if there is (correct solution)
```

Sample Input 1:

```
2
1
01
00
11
11
```

Sample Output 1:

```
1
```

Sample Input 2:

```
2
2
00
00
11
11
```

Sample Output 2:

```
0
```

Sample Input 3:

```
3
1
000
100
010
110
001
101
011
111
```

Sample Output 3:

```
0
```

Sample Input 4:

```
3
1
000
100
010
110
001
101
011
011
```

Sample Output 4:

```
1
```

Problem Author: IEEE

Suggest Edits

Emacs | Normal | Vim

Select Language: C#

save code

```
1 using System;
2 using System.Collections.Generic;
3 using System.IO;
4 class Solution {
5     static void Main(String[] args) {
6         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class
  should be named Solution */
7     }
8 }
```

Line: 1 Col: 1 Count: 246

☐ Use a custom test case

Upload Code as File

Compile & Test | Submit Code

This is a beta version. Join us on IRC at #hackerrank on freenode for hugs or bugs.

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