

First Bulgarian National Olympiad in Informatics

June 1 and 2, 1985

Second Day.

Problem 5.

Consider the table for bitwise addition XOR (exclusive OR):

XOR		0	1

0		0	1
1		1	0

An example:

```
      10010101
XOR   11001011
-----
      01011110
```

Let variables A and B have values 10011011 and 11001101, respectively. Using only operation "=" (assignment) and XOR, exchange the values of A and B without applying any other auxiliary variables.

Source is taken from the jury materials.

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