First d-even   X30982_en

Given a digit d, an integer $n > 0$ is *d-even* if d appears an even number of times in n. For example, if d is 6, 24626 is d-even because 6 appears twice, while 24627 is not, because 6 appears only once.

Given a digit d and a sequence of positive integers (i.e., each of them is greater than 0), write a program that outputs the first one that is d-even.

Exam score: 4 **Automatic part:** 40%

Input

The input starts with an integer d such that $0 \le d \le 9$. Next follows a sequence of positive integers (i.e., each of them is greater than 0).

Output

The first d-even number in the sequence if it exists, or "no d-par" otherwise.

Sample input 1	Sample output 1
1 1911 1181 4111 15161 111 1841 8411 8141 987	1841

Sample input 2	Sample output 2
0 987 8400 8040	987

Sample input 3	Sample output 3
4	no d-par

Sample input 4	Sample output 4
5 5619 575995 7095 84753 555	no d-par

Sample input 5	Sample output 5
6 24627 646654 24626	24626

Problem information

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