Split the Board

Jimmy is given an (n * n) board consisting of both odd and even integers. The board is designed in such a way that the number of odd integers is a^2, where a is a positive integer. The rest b^2 integers are even. Jimmy's challenge is to create two boards out of the given board such that one board contains only odd integers and the other contains only even integers. Can you help Jimmy solve this challenge?

Input Format

The 1st line of input contains an integer 'n', the size of a side of the board. The next line contains an integer 'a', whose square gives the number of odd integers on the board. The next 'n' lines contain 'n' space seperated integers each, which depict the board.

Constraints

5<=n<=10^6 1<=a<=10^6

Output Format

Print 'Board Odd' (Case sensitive) and from the next line the board consisting of odd integers In the line thereafter, print 'Board Even'(Case sensitive) and from the next line the board consisting of even integers Refer to the sample test case.

Sample Input 0

```
5
3
-1 2 6 9 7
11 12 96 87 65
22 33 94 70 19
64 80 31 2 44
-24 -36 30 8 10
```

Sample Output 0

```
Board Odd
-1 9 7
11 87 65
33 19 31
Board Even
2 6 12 96
22 94 70 64
80 2 44 -24
-36 30 8 10
```

Explanation 0

The odd integers in the given (n * n) board are -1,9,7,11,87,65,33,19 and 31(Occurs in the board in the same order) The even integers in the given (n * n) board are 2,6,12,96,22,94,70,64,80,2,44,-24,-36,30,8 and 10(Occurs in the board in the same order)

Contest ends in 19 hours

Submissions: 53
Max Score: 50
Difficulty: Easy

Rate This Challenge:

More

Current Buffer (saved locally, editable)

C

```c
#include <stdio.h>
#include <string.h>
#include <math.h>
#include <stdlib.h>

int main() {

    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}

```

Line: 1 Col: 1

Upload Code as File

Test against custom input

Run Code

Submit Code