using System;

namespace ConsoleApplication24

{

class Program

{

static void Main()

{

int n = Convert.ToInt32(Console.ReadLine());

int m = Convert.ToInt32(Console.ReadLine());

int result = 0;

int[,] array = new int[n, m];

int[] stroka = new int[m];

for (int i = 0; i < n; i++)

{

for (int j = 0; j < m; j++)

{

array[i,j] = Convert.ToInt32(Console.ReadLine());

}

}

for (int i = 0; i < n; i++)

{

stroka = new int[m];

for (int j = 0; j < m; j++)

{

stroka[j] = array[i, j];

}

if (revers(stroka))

{

result += 1;

}

}

Console.WriteLine(result);

}

static bool revers(int[] stroka)

{

int min = 1000000000;

int max = -100000000;

for (int i = 0; i < stroka.Length; i++)

{

if (i == 0)

{

min = stroka[i];

max = stroka[i];

}

else

{

if (min > stroka[i])

{

min = stroka[i];

}

if (max < stroka[i])

{

max = stroka[i];

}

}

}

if (((min % 2) == 0) && (max % 2 == 0))

{

return true;

}

else

{

return false;

}

}

}

}