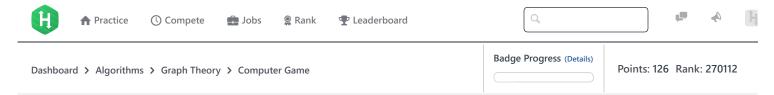
15/11/2017 HackerRank



Computer Game



Problem	Submissions	Leaderboard	Discussions	Editorial 🔒

Sophia is playing a game on the computer. There are two random arrays A & B, each having the same number of elements. The game begins with Sophia removing a pair (A_i, B_i) from the array if they are not co-prime. She keeps a count on the number of times this operation is done.

Sophia wants to find out the maximal number of times(S) she can do this on the arrays. Could you help Sophia find the value?

Input Format

The first line contains an integer n. 2 lines follow, each line containing n numbers separated by a single space. The format is shown below.

Constraints

Each element in both arrays are generated randomly between 2 and 109

Output Format

Output S which is the maximum number of times the above operation can be made.

Sample Input

```
4
2 5 6 7
4 9 10 12
```

Sample Output

3

Explanation

You can remove:

- (2, 4) (5, 10)
- (6, 9)

hence 3.

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Submissions:<u>701</u>
Max Score:80
Difficulty: Hard

Rate This Challenge:
なななななな

```
Current Buffer (saved locally, editable) & 🗗
                                                                                            Java 7
                                                                                                                              \Diamond
 1 ▼ import java.io.*;
 2 import java.util.*;
 3 import java.text.*;
    import java.math.*;
    import java.util.regex.*;
 6
 7 ▼ public class Solution {
 8
 9 ▼
         public static void main(String[] args) {
             /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */
10 ▼
11
12 }
                                                                                                                     Line: 1 Col: 1
                      Test against custom input
                                                                                                         Run Code
                                                                                                                      Submit Code
1 Upload Code as File
```

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