Nonprime even Divisor Count

locked

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You are given two integers m and n. Let $\mathbf{H = \{ X \mid m \leq X \leq n \ \ AND \ X \ is \ Nonprime\}}$. Count how many numbers in H have an even number of divisors.

Input Format

The first line of input contains the two integers m and n.

Constraints

- $1 \leq m \leq n \leq 1000$

Output Format

Output a single number representing the number of values having an even number of divisors.

Sample Input 0

```
1 10
```

Sample Output 0

```
3
```

Explanation 0

There are six Nonprime numbers between $[1, 10]$. 6, 8, 10 have even number of divisors.

Submissions: 113
Max Score: 25
Difficulty: Easy

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Current Buffer (saved locally, editable) Ada

```
1  with Ada.Text_IO, Ada.Integer_Text_IO;
2  use Ada;
3
4  procedure Solution is
5  -- Enter your code here. Read input from STDIN. Print output to STDOUT
6
7
8  end Solution
```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code