Far From Primes

A prime number is an integer greater than 1 that has no positive divisors other than 1 and itself. The first prime numbers are 2, 3, 5, 7, 11, 13, 17, ...

The number N is considered far from primes if there are no prime numbers between N-10 and N+10, inclusive, i.e., all numbers N-10, N-9, ..., N-1, N, N+1, ..., N+9, N+10 are not prime.

You are given an int A and an int B. Find and print the number of far from primes numbers between A and B, inclusive. A will be between 10 and 100000, inclusive. B will be between A and 100000, inclusive.(B - A) will be between 0 and 1000, inclusive.

Input Specification
The input will contain several test cases, each test cases will be in a single line containing A and B.

Output Specification
Print one line per test case with the answer, follow the format below

Input Example
```
3328 4100
10 1000
19240 19710
23659 24065
97001 97691
```

Output Example
```
4
0
53
20
89
```