Problem A. "Mirror Prime" Numbers

Time limit 1000 ms
Mem limit 131072 kB

If a number and the number obtained by reversing its digits are both prime, we will call that number a **“mirror prime”**.

Find the number of **“mirror prime”** numbers between a and b.

Input

Two integers are given: a and b, $(1 \leq a \leq b \leq 10000)$.

Output

Print the number of “mirror prime” numbers from a to b (inclusive).

Example

Input	Output
10 25	3

Explanation

Between 10 and 25, the numbers 11, 13, and 17 are “mirror prime” because both they and the numbers obtained by reversing their digits are prime.