## Twins

Lia is fascinated by anything she considers to be a twin. She calls a pairs of positive integers, $i$ and $j$, twins if:

- They are both prime. A prime number is an integer greater than 1 that has no positive divisors other than 1 and itself.
- Their absolute difference is exactly equal to 2 (i.e., $|j-i|=2$ ).

Given an inclusive interval of integers from $n$ to $m$, can you help Lia find the number of pairs of twins there are in the interval (i.e., $[n, m]$ )? Note that pairs $(i, j)$ and $(j, i)$ are considered to be the same pair.

## Input Format

Two space-separated integers describing the respective values of $n$ and $m$.

## Constraints

- $1 \leq n \leq m \leq 10^{9}$
- $m-n \leq 10^{6}$


## Output Format

Print a single integer denoting the number of pairs of twins.

## Sample Input 0

313

## Sample Output 0

3

## Explanation 0

There are three pairs of twins: $(3,5),(5,7)$, and $(11,13)$.

