import java.io.\*;

import java.util.\*;

import java.text.\*;

import java.math.\*;

import java.util.regex.\*;

public class Solution {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int start = scanner.nextInt();

int end = scanner.nextInt();

int sum = 0;

int current = start;

do {

if (current > 1) {

int isPrime = 1;

for (int i = 2; i <= Math.sqrt(current); i++) {

if (current % i == 0) {

isPrime = 0;

break;

}

}

if (isPrime == 1) {

sum += current;

}

}

current++;

} while (current <= end);

System.out.println(+sum);

}

}