Problem 5

Prime Palindromes

The number 181 is a prime palindrome because it is both a prime number and a palindrome. A palindrome is a number that is the same when read forward as backward. Write a program that determines how many prime palindromes there are between two numbers.

The input file (**DATA51.txt** for the first submission and **DATA52.txt** for the second submission) will contain five sets of data. Each set will contain two integers, L and U, the range of numbers to determine the prime palindromes. $2 <= L <= U <= 999,999$.

The output file (**OUT51.txt** for the first submission and **OUT52.txt** for the second submission) will contain the number of prime palindromes between U and L, inclusive.

Sample Input (3 sets of data only)	Sample Output
2 10 100 200 10000 20000	4 5 26