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Problem: Prime Count in a Segment
You are given two integers L and R.Count how many prime numbers lie in the inclusive interval [L,R].
Input
A single line containing two integers L and R.
Output
Print a single integer: the number of primes p with L \le p \le R.
Constraints
1 \le L \le R \le 1e9
0 ≤ R-L ≤ 1e6
Time limit: 1 second
Memory limit: 256 megabytes
Note: 1 is not a prime.
Examples
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Input 1 10 Output

Explantion: 2,3,5,7 are only prime numbers between 1 and 10.

Input 99991 100100 Output 8

Input 10000000 1000000000 Output 50182955