

T - Twin Primes

Wikipedia says: A *twin prime* is a prime number that is either 2 less or 2 more than another prime number.

Except for the pair (2, 3), this is the smallest possible difference between two primes. Some examples of twin prime pairs are (3, 5), (5, 7), (11, 13), (17, 19), (29, 31), and (41, 43).

Write a program that generates the first 15 pairs of twin primes, beginning with (3, 5). Display the pairs in reverse order (highest to lowest), so the last pair to be displayed will be (3, 5).

Input: None

Output

Display each pair of values on a separate line, surrounded by parentheses and separated by a comma. Do not leave any space between the comma and the numbers. Examples are:

(17,19)

(11,13)