Three conjectures on the numbers obtained concatenating to the left the odd numbers with 1234

Abstract. In this paper I state the following three conjectures on the numbers obtained concatenating to the left the odd numbers with 1234: (I) There exist an infinity of primes obtained concatenating to the left odd numbers with 1234; (II) There exist an infinity of primes obtained concatenating to the left prime numbers with 1234; (III) There exist an infinity of primes obtained concatenating to the left Poulet numbers with 1234.

Conjecture 1:

There exist an infinity of primes obtained concatenating to the left odd numbers with 1234.

The sequence of these primes:

: 12343, 12347, 123419, 123427, 123433, 123439, 123449, 123457, 123479, 123491, 123493, 123499, 1234109, 1234117, 1234133, 1234147, 1234187, 1234231, 1234237, 1234241, 1234243, 1234253, 1234271, 1234309, 1234333, 1234349, 1234351, 1234367, 1234379, 1234391, 1234393, 1234439, 1234463, 1234511, 1234517, 1234531, 1234537, 1234543, 1234547, 1234577, 1234603, 1234613 (...)

Conjecture 2:

There exist an infinity of primes obtained concatenating to the left prime numbers with 1234.

The sequence of these primes:

: 12343, 12347, 123419, 123479, 123409, 1234133, 1234241, 1234271, 1234349, 1234379, 1234439, 1234463, 1234547, 1234577, 1234603, 1234613 (...)

Conjecture 1:

There exist an infinity of primes obtained concatenating to the left Poulet numbers with 1234.

The sequence of these primes:

: 12341729, 12342047, 12342821, 12344681, 12346601, 123412801, 123413747, 123415709, 123415841, 123418721, 123419951, 123433153 (...)