

Primes obtained concatenating with 1 to the left the terms of two back concatenated "multiples of 3" sequences

Abstract. In this paper I state the following two conjectures: (I) there exist an infinity of primes p obtained concatenating to the left with 1 the terms of *back concatenated "multiples of 3" sequence* (defined as the sequence obtained through the concatenation of multiples of 3, in reverse order); such prime is, for example, 13330272421181512963; (II) there exist an infinity of primes p obtained concatenating to the left with 1 the terms of *back concatenated "odd multiples of 3" sequence* (defined as the sequence obtained through the concatenation of odd multiples of 3, in reverse order); such prime is, for example, 145393327211593.

Conjecture 1:

There exist an infinity of primes p obtained concatenating to the left with 1 the terms of *back concatenated "multiples of 3" sequence* (defined as the sequence obtained through the concatenation of multiples of 3, in reverse order); such prime is, for example, 13330272421181512963.

The back concatenated "multiples of 3" sequence:

: 3, 63, 963, 12963, 1512963, 181512963, 21181512963, 2421181512963, 272421181512963, 30272421181512963 (...) and

The sequence of primes p :

: 163, 13330272421181512963, 19996939087848178757269666360575451484542393633 30272421181512963, 11081051029996939087848178757269666360575451484 54239363330272421181512963 (...)

Conjecture 2:

There exist an infinity of primes p obtained concatenating to the left with 1 the terms of *back concatenated "odd multiples of 3" sequence* (defined as the sequence obtained through the concatenation of odd multiples of 3, in reverse order); such prime is, for example, 145393327211593.

The back concatenated "odd multiples of 3" sequence:

: 3, 93, 1593, 211593, 27211593, 3327211593,
393327211593, 45393327211593, 5145393327211593
(...) and

The sequence of primes p:

: 193, 11593, 1211593, 145393327211593 (...)