

NONLINEAR RELATION BETWEEN PRIMES

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ABSTRACT. In this article a conjecture about nonlinear relation between primes is proposed.

Conjecture. *For every prime number m greater than or equal to 5 exists at least a prime number n greater than or equal to 2 and less than m such that $p = mn - (m + n)$ is prime.*

The following table lists results for $m = 5$ to 23:

	p	p	p	p	p	p	p	p	p	p	p	p	p	p
m	5	7	11	13	17	19	23							
n	2	3	2	5	2	9	2	11	2	15	2	17	2	21
	3	7	3	11	3	19	3	23	3	31	3	35	3	43
			5	23	5	39	5	47	5	63	5	71	5	87
				7	59	7	71	7	95	7	107	7	131	131
					11	119	11	119	11	159	11	179	11	219
							13	191	13	215	13	215	13	263
									17	287	17	287	17	351
													19	395

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