

Length-8 Prime Chains under a 3-adic Collatz-like Map

Hiroshi Harada

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A research note on prime-generating behavior in a 3-adic Collatz-like map

$$f(x) = (4x \pm 1)/3, \text{ with the sign determined by } p_i \bmod 3$$

The following length-8 chain was identified:

**46000363
61333817
81778423
109037897
145383863
193845151
258460201
344613601**